Rice

DRAINAGE REPORT
SUN VALLEY PARKWAY PHASE II
(STATION 410 + 00 - 1023 + 95)
CWW NO. 850840-9
MARICOPA COUNTY, ARIZONA

VOLUME II

Prepared for
THE ADAMS GROUP
4520 NORTH CENTRAL AVENUE
SUITE 500
PHOENIX, ARIZONA 85012

Submitted by
COLLAR, WILLIAMS & WHITE ENGINEERING
2702 NORTH . 44TH STREET, SUITE 205-B
PHOENIX, AZ 85008

March, 1987
(not revised)

Registered Professional Engineer
CERTIFICATE NO. 16737
FRED EVERETT FLEET
Date Signed 27 March
ARIZONA, U.S.A.

HEC-1 RUNOFF SUMMARY PRINTOUTS

SLIST WTAR

```
1*************************************
*                                   *
*   FLOOD HYDROGRAPH PACKAGE  (HEC-1)*
*          FEBRUARY 1981            *
*         REVISED 14 JUN 85         *
*                                   *
* RUN DATE AUG 05, 1986  TIME 04:01 PM *
*                                   *
*************************************
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*************************************
*                                   *
*   U.S. ARMY CORPS OF ENGINEERS    *
* THE HYDROLOGIC ENGINEERING CENTER *
*        609 SECOND STREET          *
*      DAVIS, CALIFORNIA 95616      *
* (916) 440-3285 OR (FTS) 448-3285  *
*                                   *
*************************************
```

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

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

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

1

HEC-1 INPUT PAGE 1

```
LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
   1          ID                          WHITE TANK
   2          ID                           GW PKWY
   3          ID                             850840-9
   4          ID                             100 Y
              *DIAGRAM
   5          IT       3  5AUG86    1200      60
   6          IO       5

   7          KK       A
   8          BA    0.19
   9          PH                    0.74    1.45    2.55
  10          LS              86
  11          UD    0.69
  12          ZZ
```

1

SCHEMATIC DIAGRAM OF STREAM NETWORK

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

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

(***) RUNOFF ALSO COMPUTED AT THIS LOCATION
```

WHITE TANK
GW PKWY
850840-9
100 Y

6 IO OUTPUT CONTROL VARIABLES

IPRNT	3	PRINT CONTROL
IPLOT	0	PLOT CONTROL
QSCAL	0.	HYDROGRAPH PLOT SCALE

IT HYDROGRAPH TIME DATA

NMIN	3	MINUTES IN COMPUTATION INTERVAL
IDATE	5AUG86	STARTING DATE
ITIME	1200	STARTING TIME
NQ	60	NUMBER OF HYDROGRAPH ORDINATES
NDDATE	5AUG86	ENDING DATE
NDTIME	1457	ENDING TIME

COMPUTATION INTERVAL 0.05 HOURS
TOTAL TIME BASE 2.95 HOURS

ENGLISH UNITS

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

*** ***

```
**************
*            *
*        A   *
*            *
**************
```

7 KK

A SUBBASIN RUNOFF DATA

8 BA SUBBASIN CHARACTERISTICS

TAREA 0.19 SUBBASIN AREA

PRECIPITATION DATA

9 PH DEPTHS FOR 0-PERCENT HYPOTHETICAL STORM

HYDRO-35			TP-40					TP-49			
5-MIN	15-MIN	60-MIN	2-HR	3-HR	6-HR	12-HR	24-HR	2-DAY	4-DAY	7-DAY	10-DAY
0.74	1.45	2.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

STORM AREA = 0.19

10 LS SCS LOSS RATE

STRTL	0.33	INITIAL ABSTRACTION
CRVNBR	86.00	CURVE NUMBER
RTIMP	0.00	PERCENT IMPERVIOUS AREA

11 UD SCS DIMENSIONLESS UNITGRAPH

TLAG 0.69 LAG

***

UNIT HYDROGRAPH
71 END-OF-PERIOD ORDINATES

3.	7.	14.	22.	32.	44.	58.	75.	91.	105.
115.	122.	127.	128.	128.	126.	120.	114.	107.	100.
91.	81.	71.	62.	55.	49.	43.	39.	35.	31.
28.	25.	22.	20.	18.	16.	14.	13.	11.	10.
9.	8.	7.	6.	6.	5.	5.	4.	4.	3.
3.	3.	2.	2.	2.	2.	1.	1.	1.	1.
1.	1.	1.	1.	1.	0.	0.	0.	0.	0.
0.									

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

HYDROGRAPH AT STATION A

TOTAL RAINFALL = 2.55, TOTAL LOSS = 1.27, TOTAL EXCESS = 1.28

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	2.95-HR
		(CFS)				
151.	1.30		52.	52.	52.	52.
		(INCHES)	1.263	1.263	1.263	1.263
		(AC-FT)	13.	13.	13.	13.

CUMULATIVE AREA = 0.19 SQ MI

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

OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD 6-HOUR	24-HOUR	72-HOUR	BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
HYDROGRAPH AT	A	151.	1.30	52.	52.	52.	0.19		

HEC-1 INPUT PAGE 1

```
LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
  1           ID                          WHITE TANK
  2           ID                          GW PKWY
  3           ID                          850840-9
  4           ID                            100 Y
              *DIAGRAM
  5           IT       3  5AUG86    1200      60
  6           IO       3

  7           KK       B
  8           BA    0.42
  9           PH                  0.74    1.45    2.55
 10           LS                    86
 11           UD    0.49
 12           ZZ
```

SCHEMATIC DIAGRAM OF STREAM NETWORK

INPUT LINE NO. 7

(V) ROUTING (---)) DIVERSION OR PUMP FLOW

(.) CONNECTOR ((---) RETURN OF DIVERTED OR PUMPED FLOW

B

WHITE TANK
GW PKWY
850840-9
100 Y

6 IO OUTPUT CONTROL VARIABLES

IPRNT	3	PRINT CONTROL
IPLOT	0	PLOT CONTROL
QSCAL	0.	HYDROGRAPH PLOT SCALE

IT HYDROGRAPH TIME DATA

NMIN	3	MINUTES IN COMPUTATION INTERVAL
IDATE	5AUG86	STARTING DATE
ITIME	1200	STARTING TIME
NQ	60	NUMBER OF HYDROGRAPH ORDINATES
NDDATE	5AUG86	ENDING DATE
NDTIME	1457	ENDING TIME

COMPUTATION INTERVAL 0.05 HOURS
TOTAL TIME BASE 2.95 HOURS

ENGLISH UNITS

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

B

8 BA SUBBASIN CHARACTERISTICS
TAREA 0.42 SUBBASIN AREA

PRECIPITATION DATA

9 PH DEPTHS FOR 0-PERCENT HYPOTHETICAL STORM

HYDRO-35			TP-40					TP-49			
5-MIN	15-MIN	60-MIN	2-HR	3-HR	6-HR	12-HR	24-HR	2-DAY	4-DAY	7-DAY	10-DAY
0.74	1.45	2.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

STORM AREA = 0.42

10 LS SCS LOSS RATE
STRTL 0.33 INITIAL ABSTRACTION
CRVNBR 86.00 CURVE NUMBER
RTIMP 0.00 PERCENT IMPERVIOUS AREA

11 UD SCS DIMENSIONLESS UNITGRAPH
TLAG 0.49 LAG

***

UNIT HYDROGRAPH
51 END-OF-PERIOD ORDINATES

11.	38.	72.	117.	176.	247.	310.	357.	384.	393.
392.	375.	350.	320.	285.	243.	201.	168.	143.	122.
105.	91.	78.	66.	56.	48.	41.	35.	30.	25.
21.	19.	16.	14.	11.	10.	8.	7.	6.	5.
4.	4.	4.	3.	3.	2.	2.	1.	1.	1.
0.									

*** *** *** *** ***
HYDROGRAPH AT STATION B

TOTAL RAINFALL = 2.54, TOTAL LOSS = 1.26, TOTAL EXCESS = 1.28

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	2.95-HR
430.	1.10	(CFS)	117.	117.	117.	117.
		(INCHES)	1.279	1.279	1.279	1.279
		(AC-FT)	29.	29.	29.	29.

CUMULATIVE AREA = 0.42 SQ MI

1

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

OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD 6-HOUR	24-HOUR	72-HOUR	BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
HYDROGRAPH AT	B	430.	1.10	117.	117.	117.	0.42		

1 HEC-1 INPUT PAGE 1

LINE	ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10
1	ID WHITE TANK
2	ID SW PKWY
3	ID 850840-9
4	ID 100 Y
	*DIAGRAM
5	IT 3 5AU686 1200 60
6	IO 3
7	KK C
8	BA 1.60
9	PH 0.74 1.45 2.55
10	LS 86
11	UD 0.72
12	ZZ

1 SCHEMATIC DIAGRAM OF STREAM NETWORK

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

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

(***) RUNOFF ALSO COMPUTED AT THIS LOCATION

```
6 IO        OUTPUT CONTROL VARIABLES
                IPRNT        3  PRINT CONTROL
                IPLOT        0  PLOT CONTROL
                QSCAL       0.  HYDROGRAPH PLOT SCALE

 TT         HYDROGRAPH TIME DATA
                NMIN         3  MINUTES IN COMPUTATION INTERVAL
               IDATE    5AUG86  STARTING DATE
               ITIME      1200  STARTING TIME
                  NQ        60  NUMBER OF HYDROGRAPH ORDINATES
              NDDATE    5AUG86  ENDING DATE
              NDTIME      1457  ENDING TIME

          COMPUTATION INTERVAL    0.05 HOURS
               TOTAL TIME BASE    2.95 HOURS

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

C
8 SA        SUBBASIN CHARACTERISTICS
                TAREA       1.60  SUBBASIN AREA

            PRECIPITATION DATA

9 PH                          DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                  ..... HYDRO-35 .....   ............... TP-40 ...............   ........... TP-49 ...........
                 5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR    2-DAY   4-DAY   7-DAY  10-DAY
                  0.74    1.45    2.55    0.00    0.00    0.00    0.00    0.00     0.00    0.00    0.00    0.00

                                                   STORM AREA =    1.60

10 LS       SCS LOSS RATE
                STRTL       0.33  INITIAL ABSTRACTION
               CRVNBR      86.00  CURVE NUMBER
               RTIMP       0.00  PERCENT IMPERVIOUS AREA

11 UD       SCS DIMENSIONLESS UNITGRAPH
                TLAG        0.72  LAG

                                                   ***

                                              UNIT HYDROGRAPH
                                          74 END-OF-PERIOD ORDINATES
              21.     56.    105.    168.    241.    326.    437.    560.    691.    803.
             894.    968.   1010.   1031.   1037.   1030.   1002.    959.    910.    857.
             800.    730.    651.    570.    500.    445.    397.    355.    318.    285.
             258.    235.    210.    189.    168.    149.    135.    121.    108.     98.
              87.     79.     70.     62.     55.     50.     45.     40.     36.     33.
              29.     26.     24.     21.     19.     17.     15.     14.     12.     11.
              10.      9.      9.      8.      7.      6.      5.      5.      4.      3.
               2.      2.      1.      0.

 ***        ***        ***        ***        ***
                HYDROGRAPH AT STATION       C

 TOTAL RAINFALL =    2.53, TOTAL LOSS =    1.26, TOTAL EXCESS =    1.27

 PEAK FLOW    TIME                    MAXIMUM AVERAGE FLOW
                                 6-HR       24-HR      72-HR     2.95-HR
+  (CFS)      (HR)
                        (CFS)
+  1215.      1.35                435.       435.       435.       435.
                      (INCHES)   1.243      1.243      1.243      1.243
                      (AC-FT)     106.       106.       106.       106.

                CUMULATIVE AREA =    1.60 SQ MI

1
                                          RUNOFF SUMMARY
                                     FLOW IN CUBIC FEET PER SECOND
                                   TIME IN HOURS,  AREA IN SQUARE MILES

                                   PEAK   TIME OF    AVERAGE FLOW FOR MAXIMUM PERIOD    BASIN   MAXIMUM   TIME OF
+     OPERATION      STATION       FLOW    PEAK                                        AREA    STAGE    MAX STAGE
                                                      6-HOUR     24-HOUR    72-HOUR
      HYDROGRAPH AT
+                       C         1215.    1.35        435.       435.       435.      1.60
```

```
LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
  1           ID                                WHITE TANK
  2           ID                                GW PKWY
  3           ID                                  850840-9
  4           ID                                   100 Y
              *DIAGRAM
  5           IT       3  5AUG86    1200      60
  6           IO       3

  7           KK       D
  8           BA    0.04
  9           PH                     0.74    1.45    2.55
 10           LS                 86
 11           UD    0.57
 12           ZZ
```

1

SCHEMATIC DIAGRAM OF STREAM NETWORK

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

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

```
 6 10        OUTPUT CONTROL VARIABLES
                 IPRNT          3  PRINT CONTROL
                 IPLOT          0  PLOT CONTROL
                 QSCAL         0.  HYDROGRAPH PLOT SCALE

 IT          HYDROGRAPH TIME DATA
                 NMIN           3  MINUTES IN COMPUTATION INTERVAL
                IDATE     5AUG86  STARTING DATE
                ITIME        1200  STARTING TIME
                   NQ          60  NUMBER OF HYDROGRAPH ORDINATES
               NDDATE     5AUG86  ENDING DATE
               NDTIME        1457  ENDING TIME

           COMPUTATION INTERVAL    0.05 HOURS
               TOTAL TIME BASE     2.95 HOURS

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


 D        SUBBASIN RUNOFF DATA

 8 BA       SUBBASIN CHARACTERISTICS
                TAREA       0.04  SUBBASIN AREA

            PRECIPITATION DATA

 9 PH                          DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
            ..... HYDRO-35 .....  ............... TP-40 ...............  ........... TP-49 ...........
            5-MIN  15-MIN  60-MIN   2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
             0.74    1.45    2.55   0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00

                                          STORM AREA =    0.04

10 LS       SCS LOSS RATE
                STRTL       0.33  INITIAL ABSTRACTION
               CRVNBR      98.00  CURVE NUMBER
                RTIMP       0.00  PERCENT IMPERVIOUS AREA

11 UD       SCS DIMENSIONLESS UNITGRAPH
                TLAG        0.57  LAG
```

***

UNIT HYDROGRAPH
59 END-OF-PERIOD ORDINATES

1.	3.	5.	8.	11.	16.	21.	25.	29.	31.
32.	32.	32.	31.	29.	27.	24.	22.	18.	16.
13.	12.	10.	9.	8.	7.	6.	5.	5.	4.
3.	3.	3.	2.	2.	2.	2.	1.	1.	1.
1.	1.	1.	1.	1.	0.	0.	0.	0.	0.
0.	0.	0.	0.	0.	0.	0.	0.	0.	

*** *** *** *** ***
HYDROGRAPH AT STATION D

TOTAL RAINFALL = 2.55, TOTAL LOSS = 1.27, TOTAL EXCESS = 1.28

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	2.95-HR
		(CFS)				
37.	1.20		11.	11.	11.	11.
		(INCHES)	1.278	1.278	1.278	1.278
		(AC-FT)	3.	3.	3.	3.

CUMULATIVE AREA = 0.04 SQ MI

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

OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD 6-HOUR	24-HOUR	72-HOUR	BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
HYDROGRAPH AT	D	37.	1.20	11.	11.	11.	0.04		

HEC-1 INPUT PAGE 1

```
LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
  1           ID                          WHITE TANK
  2           ID                          GW PKWY
  3           ID                            850340-9
  4           ID                             100 Y
              *DIAGRAM
  5           IT       3  5AUG86    1200      60
  6           IO       3

  7           KK       E
  8           BA    0.08
  9           PH                   0.74    1.45    2.55
 10           LS              86
 11           UD    0.49
 12           ZZ
```

6 IO OUTPUT CONTROL VARIABLES

IPRNT	3	PRINT CONTROL
IPLOT	0	PLOT CONTROL
QSCAL	0.	HYDROGRAPH PLOT SCALE

IT HYDROGRAPH TIME DATA

NMIN	3	MINUTES IN COMPUTATION INTERVAL
IDATE	5AUG86	STARTING DATE
ITIME	1200	STARTING TIME
NQ	60	NUMBER OF HYDROGRAPH ORDINATES
NDDATE	5AUG86	ENDING DATE
NDTIME	1457	ENDING TIME

COMPUTATION INTERVAL 0.05 HOURS
TOTAL TIME BASE 2.95 HOURS

ENGLISH UNITS

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

```
E          SUBBASIN RUNOFF DATA

8 BA          SUBBASIN CHARACTERISTICS
                   TAREA        0.08  SUBBASIN AREA

              PRECIPITATION DATA

9 PH                                   DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                 ..... HYDRO-35 ......  ............... TP-40 ...............  ........... TP-49 ...........
                 5-MIN  15-MIN  60-MIN   2-HR   3-HR   6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                  0.74   1.45   2.55    0.00   0.00   0.00   0.00    0.00    0.00    0.00    0.00   0.00

                                                   STORM AREA =    0.08

10 LS         SCS LOSS RATE
                   STRTL        0.33  INITIAL ABSTRACTION
                  CRVNBR       86.00  CURVE NUMBER
                  RTIMP        0.00  PERCENT IMPERVIOUS AREA

11 UD         SCS DIMENSIONLESS UNITGRAPH
                   TLAG        0.49  LAG

                                                  ***

                                                UNIT HYDROGRAPH
                                           51 END-OF-PERIOD ORDINATES
                 2.      7.     14.     22.     34.     47.     59.     68.     73.     75.
                75.     71.     67.     61.     54.     46.     38.     32.     27.     23.
                20.     17.     15.     13.     11.      9.      8.      7.      6.      5.
                 4.      4.      3.      3.      2.      2.      2.      1.      1.      1.
                 1.      1.      1.      1.      0.      0.      0.      0.      0.      0.
                 0.

   ***          ***          ***          ***          ***
                     HYDROGRAPH AT STATION       E

  TOTAL RAINFALL =    2.55, TOTAL LOSS =    1.27, TOTAL EXCESS =    1.28

 PEAK FLOW    TIME                          MAXIMUM AVERAGE FLOW
                                     6-HR       24-HR      72-HR     2.95-HR
+  (CFS)      (HR)
                          (CFS)
+    82.      1.19                   22.        22.        22.        22.
                         (INCHES)   1.282      1.282      1.282      1.282
                         (AC-FT)     5.         5.         5.         5.

                     CUMULATIVE AREA =    0.08 SQ MI
1
                                                RUNOFF SUMMARY
                                        FLOW IN CUBIC FEET PER SECOND
                                      TIME IN HOURS,  AREA IN SQUARE MILES

                                   PEAK   TIME OF    AVERAGE FLOW FOR MAXIMUM PERIOD     BASIN    MAXIMUM    TIME OF
       OPERATION       STATION     FLOW    PEAK                                         AREA     STAGE    MAX STAGE
+                                                     6-HOUR     24-HOUR    72-HOUR

       HYDROGRAPH AT
+                          E       82.    1.10         22.        22.        22.       0.08

1                                                   HEC-1 INPUT                                          PAGE  1

      LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
        1           ID                                WHITE TANK
        2           ID                                 6H PKWY
        3           ID                                850840-9
        4           ID                                 100 Y
                   *DIAGRAM
        5           IT       3  5AUG85    1200        60
        6           IO       3

        7           KK       F
        8           BA    0.14
        9           PH                   0.74    1.45    2.55
       10           LS                 86
       11           UD    0.63
       12           ZZ
```

```
6 IO -        OUTPUT CONTROL VARIABLES
                  IPRNT          3  PRINT CONTROL
                  IPLOT          0  PLOT CONTROL
                  QSCAL         0.  HYDROGRAPH PLOT SCALE

 IT           HYDROGRAPH TIME DATA
                  NMIN           3  MINUTES IN COMPUTATION INTERVAL
                 IDATE      5AUG86  STARTING DATE
                 ITIME        1200  STARTING TIME
                    NQ          60  NUMBER OF HYDROGRAPH ORDINATES
                NQDATE      5AUG86  ENDING DATE
                NQTIME        1457  ENDING TIME

            COMPUTATION INTERVAL    0.05 HOURS
                 TOTAL TIME BASE    2.95 HOURS

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

 F        SUBBASIN RUNOFF DATA

 8 BA       SUBBASIN CHARACTERISTICS
                 TAREA        0.14  SUBBASIN AREA

            PRECIPITATION DATA

 9 PH                          DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
            ..... HYDRO-35 .....  ............... TP-40 ...............  ........... TP-49 ...........
            5-MIN  15-MIN  60-MIN   2-HR   3-HR   6-HR  12-HR  24-HR   2-DAY  4-DAY  7-DAY  10-DAY
             0.74   1.45   2.55   0.00   0.00   0.00   0.00   0.00    0.00   0.00   0.00   0.00

                                              STORM AREA =    0.14

10 LS       SCS LOSS RATE
                 STRTL        0.33  INITIAL ABSTRACTION
                CRVNBR       86.00  CURVE NUMBER
                 RTIMP        0.00  PERCENT IMPERVIOUS AREA

11 UH       SCS DIMENSIONLESS UNITGRAPH
                 TLAG        0.63  LAG

                                          ***

                                       UNIT HYDROGRAPH
                                    65 END-OF-PERIOD ORDINATES
            2.      7.     13.     20.     30.     42.     55.     70.     83.     92.
           98.    102.    103.    103.     99.     94.     89.     83.     75.     67.
           58.     50.     43.     38.     34.     30.     27.     24.     21.     19.
           16.     14.     13.     11.     10.      9.      8.      7.      6.      5.
            5.      4.      4.      3.      3.      3.      2.      2.      2.      2.
            1.      1.      1.      1.      1.      1.      1.      1.      1.      0.
            0.      0.      0.      0.      0.

   ***          ***          ***          ***          ***
                     HYDROGRAPH AT STATION       F

  TOTAL RAINFALL =   2.55, TOTAL LOSS =   1.27, TOTAL EXCESS =   1.28

 PEAK FLOW    TIME                      MAXIMUM AVERAGE FLOW
                                   6-HR       24-HR      72-HR      2.95-HR
 (CFS)        (HR)
                          (CFS)
  120.        1.25                39.        39.        39.        39.
                         (INCHES)  1.271      1.271      1.271      1.271
                          (AC-FT)   9.         9.         9.         9.

                     CUMULATIVE AREA =    0.14 SQ MI

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

                                   PEAK   TIME OF   AVERAGE FLOW FOR MAXIMUM PERIOD   BASIN   MAXIMUM   TIME OF
      OPERATION      STATION       FLOW    PEAK                                       AREA    STAGE    MAX STAGE
                                                     6-HOUR     24-HOUR    72-HOUR

      HYDROGRAPH AT
                          F        120     1.25       39         39         39       0.14
```

```
LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
  1           ID                                WHITE TANK
  2           ID                                GW PKWY
  3           ID                                850840-9
  4           ID                                  100 Y
              *DIAGRAM
  5           IT       3  5AUG86    1200      60
  6           IO       3

  7           KK       G
  8           BA    0.16
  9           PH                     0.74    1.45    2.55
 10           LS              86
 11           UD    0.46
 12           ZZ
1
              SCHEMATIC DIAGRAM OF STREAM NETWORK
INPUT
 LINE      (V) ROUTING          (--->) DIVERSION OR PUMP FLOW

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

```
6 IO        OUTPUT CONTROL VARIABLES
                 IPRNT          3  PRINT CONTROL
                 IPLOT          0  PLOT CONTROL
                 QSCAL         0.  HYDROGRAPH PLOT SCALE

IT          HYDROGRAPH TIME DATA
                 NMIN           3  MINUTES IN COMPUTATION INTERVAL
                 IDATE      5AUG86  STARTING DATE
                 ITIME        1200  STARTING TIME
                   NQ          60  NUMBER OF HYDROGRAPH ORDINATES
                NDDATE      5AUG86  ENDING DATE
                NDTIME        1457  ENDING TIME

            COMPUTATION INTERVAL    0.05 HOURS
                 TOTAL TIME BASE    2.95 HOURS

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

```
G         SUBBASIN RUNOFF DATA

8 BA        SUBBASIN CHARACTERISTICS
                 TAREA       0.16  SUBBASIN AREA

            PRECIPITATION DATA

9 PH                          DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                  ..... HYDRO-35 .....  ............... TP-40 ...............  ........... TP-49 ...........
            5-MIN  15-MIN  60-MIN   2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
             0.74    1.45    2.55   0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00

                                          STORM AREA =    0.16

10 LS       SCS LOSS RATE
                 STRTL       0.33  INITIAL ABSTRACTION
                CRVNBR      86.00  CURVE NUMBER
                 RTIMP       0.00  PERCENT IMPERVIOUS AREA

11 UD       SCS DIMENSIONLESS UNITGRAPH
                 TLAG        0.46  LAG

                                  ***
```

UNIT HYDROGRAPH
48 END-OF-PERIOD ORDINATES

5.	17.	32.	53.	80.	110.	135.	151.	158.	159.
155.	144.	132.	118.	100.	81.	67.	57.	48.	41.
35.	30.	25.	21.	18.	15.	13.	11.	9.	8.
6.	6.	5.	4.	3.	3.	2.	2.	2.	2.
1.	1.	1.	1.	1.	0.	0.	0.		

*** *** *** *** ***
HYDROGRAPH AT STATION G

TOTAL RAINFALL = 2.55, TOTAL LOSS = 1.27, TOTAL EXCESS = 1.28

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	2.95-HR
171.	1.05	(CFS)	45.	45.	45.	45.
		(INCHES)	1.282	1.282	1.282	1.282
		(AC-FT)	11.	11.	11.	11.

CUMULATIVE AREA = 0.16 SQ MI

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

OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD 6-HOUR	24-HOUR	72-HOUR	BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
HYDROGRAPH AT	G	171.	1.05	45.	45.	45.	0.16		

HEC-1 INPUT PAGE 1

```
LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
  1           ID                                WHITE TANK
  2           ID                                GW PKWY
  3           ID                                  850840-9
  4           ID                                  100 Y
              *DIAGRAM
  5           IT       3  5AUG86    1200      60
  6           IO       3

  7           KK       H
  8           BA    0.26
  9           PH                    0.74    1.45    2.55
 10           LS              86
 11           UD    0.48
 12           ZZ
```

WHITE TANK
GW PKWY
850840-9
100 Y

```
6 IO        OUTPUT CONTROL VARIABLES
                 IPRNT          3  PRINT CONTROL
                 IPLOT          0  PLOT CONTROL
                 QSCAL         0.  HYDROGRAPH PLOT SCALE

 IT         HYDROGRAPH TIME DATA
                 NMIN          3  MINUTES IN COMPUTATION INTERVAL
                IDATE     5AUG86  STARTING DATE
                ITIME       1200  STARTING TIME
                   NQ         60  NUMBER OF HYDROGRAPH ORDINATES
               NDDATE     5AUG86  ENDING DATE
               NDTIME       1457  ENDING TIME

          COMPUTATION INTERVAL    0.05 HOURS
              TOTAL TIME BASE     2.95 HOURS

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

H SUBBASIN RUNOFF DATA

8 BA SUBBASIN CHARACTERISTICS
TAREA 0.26 SUBBASIN AREA

PRECIPITATION DATA

9 PH DEPTHS FOR 0-PERCENT HYPOTHETICAL STORM

HYDRO-35			TP-40					TP-49			
5-MIN	15-MIN	60-MIN	2-HR	3-HR	6-HR	12-HR	24-HR	2-DAY	4-DAY	7-DAY	10-DAY
0.74	1.45	2.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

STORM AREA = 0.26

10 LS SCS LOSS RATE
STRTL 0.33 INITIAL ABSTRACTION
CRVNBR 86.00 CURVE NUMBER
RTIMP 0.00 PERCENT IMPERVIOUS AREA

11 UD SCS DIMENSIONLESS UNITGRAPH
TLAG 0.48 LAG

***

UNIT HYDROGRAPH
50 END-OF-PERIOD ORDINATES

7.	25.	47.	76.	115.	161.	201.	229.	245.	248.
247.	233.	216.	197.	173.	144.	119.	100.	85.	72.
62.	53.	46.	38.	33.	28.	24.	20.	17.	14.
12.	11.	9.	8.	7.	6.	5.	4.	3.	3.
3.	2.	2.	2.	1.	1.	1.	1.	0.	0.

*** *** *** *** ***
HYDROGRAPH AT STATION H

TOTAL RAINFALL = 2.55, TOTAL LOSS = 1.26, TOTAL EXCESS = 1.28

	PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
				6-HR	24-HR	72-HR	2.95-HR
+	(CFS)	(HR)					
			(CFS)				
+	271.	1.10		73.	73.	73.	73.
			(INCHES)	1.281	1.281	1.281	1.281
			(AC-FT)	18.	18.	18.	18.

CUMULATIVE AREA = 0.26 SQ MI

1

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

	OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD 6-HOUR	24-HOUR	72-HOUR	BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
+	HYDROGRAPH AT	H	271.	1.10	73.	73.	73.	0.26		

1 HEC-I INPUT PAGE 1

```
LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
  1           ID                          WHITE TANK
  2           ID                           GW PKWY
  3           ID                            850840-9
  4           ID                             100 Y
              *DIAGRAM
  5           IT       3  5AUG86    1200      60
  6           IO       3

  7           KK       I
  8           BA    0.91
  9           PH                  0.74    1.45    2.55
 10           LS              86
 11           UD    0.60
 12           ZZ
```

WHITE TANK
GW PKWY
850840-9
100 Y

6 IO OUTPUT CONTROL VARIABLES

IPRNT	3	PRINT CONTROL
IPLOT	0	PLOT CONTROL
QSCAL	0.	HYDROGRAPH PLOT SCALE

IT HYDROGRAPH TIME DATA

NMIN	3	MINUTES IN COMPUTATION INTERVAL
IDATE	5AUG86	STARTING DATE
ITIME	1200	STARTING TIME
NQ	60	NUMBER OF HYDROGRAPH ORDINATES
NDDATE	5AUG86	ENDING DATE
NDTIME	1457	ENDING TIME

COMPUTATION INTERVAL 0.05 HOURS
TOTAL TIME BASE 2.95 HOURS

I SUBBASIN RUNOFF DATA

8 BA SUBBASIN CHARACTERISTICS

TAREA	0.91	SUBBASIN AREA

PRECIPITATION DATA

9 PH DEPTHS FOR 0-PERCENT HYPOTHETICAL STORM

HYDRO-35			TP-40					TP-49			
5-MIN	15-MIN	60-MIN	2-HR	3-HR	6-HR	12-HR	24-HR	2-DAY	4-DAY	7-DAY	10-DAY
0.74	1.45	2.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

STORM AREA = 0.91

10 LS SCS LOSS RATE

STRTL	0.33	INITIAL ABSTRACTION
CRVNBR	86.00	CURVE NUMBER
RTIMP	0.00	PERCENT IMPERVIOUS AREA

11 UD SCS DIMENSIONLESS UNITGRAPH

TLAG	0.60	LAG

***

UNIT HYDROGRAPH
62 END-OF-PERIOD ORDINATES

17.	51.	96.	151.	218.	308.	411.	509.	592.	654.
688.	701.	701.	688.	654.	615.	571.	521.	462.	394.
338.	294.	257.	225.	197.	176.	156.	137.	120.	103.
92.	81.	71.	63.	54.	48.	42.	37.	32.	28.
25.	22.	19.	17.	15.	13.	11.	10.	9.	8.
7.	6.	6.	5.	4.	4.	3.	3.	2.	1.
1.	0.								

*** *** *** *** ***
HYDROGRAPH AT STATION I

TOTAL RAINFALL = 2.54, TOTAL LOSS = 1.26, TOTAL EXCESS = 1.27

	PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	2.95-HR
+	800.	1.20	(CFS)	252.	252.	252.	252.
+			(INCHES)	1.266	1.266	1.266	1.266
			(AC-FT)	61.	61.	61.	61.

CUMULATIVE AREA = 0.91 SQ MI

1

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

	OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD 6-HOUR	24-HOUR	72-HOUR	BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
+	HYDROGRAPH AT	I	800.	1.20	252.	252.	252.	0.91		

```
LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
  1           ID                          WHITE TANK
  2           ID                           GW PKWY
  3           ID                            850840-9
  4           ID                              100 Y
              *DIAGRAM
  5           IT       3  SAU686    1200      60
  6           IO       3

  7           KK       J
  8           BA    0.63
  9           PH                   0.74    1.45    2.55
 10           LS              86
 11           UD    0.48
 12           ZZ
```

```
J        SUBBASIN RUNOFF DATA

8 BA       SUBBASIN CHARACTERISTICS
             TAREA        0.63  SUBBASIN AREA

           PRECIPITATION DATA

9 PH                          DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                                                TP-40                          TP-49
           ..... HYDRO-35 .....  ............... ..............  ........... ...........
           5-MIN  15-MIN  60-MIN   2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
            0.74    1.45    2.55   0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00

                                              STORM AREA =    0.63

10 LS      SCS LOSS RATE
             STRTL        0.33  INITIAL ABSTRACTION
            CRVNBR       86.00  CURVE NUMBER
             RTIMP        0.00  PERCENT IMPERVIOUS AREA

11 UD      SCS DIMENSIONLESS UNITGRAPH
             TLAG         0.48  LAG

                                          ***

                                     UNIT HYDROGRAPH
                                 50 END-OF-PERIOD ORDINATES
            18.     59.    113.    184.    278.    391.    488.    555.    593.    602.
           597.    565.    524.    477.    419.    349.    287.    243.    206.    175.
           151.    130.    111.     93.     80.     68.     58.     49.     42.     35.
            30.     26.     22.     19.     16.     14.     12.     10.      8.      7.
             6.      5.      5.      4.      3.      3.      2.      1.      1.      0.

   ***          ***          ***          ***          ***
                HYDROGRAPH AT STATION      J

  TOTAL RAINFALL =    2.54, TOTAL LOSS =    1.26, TOTAL EXCESS =    1.28

 PEAK FLOW    TIME                    MAXIMUM AVERAGE FLOW
+  (CFS)      (HR)                 6-HR      24-HR      72-HR     2.95-HR
                          (CFS)
+   654.      1.10                176.       176.       176.       176.
                         (INCHES) 1.277      1.277      1.277      1.277
                          (AC-FT)  43.        43.        43.        43.

                         CUMULATIVE AREA =    0.63 SQ MI
1
                                     RUNOFF SUMMARY
                              FLOW IN CUBIC FEET PER SECOND
                            TIME IN HOURS,  AREA IN SQUARE MILES

                                   PEAK   TIME OF   AVERAGE FLOW FOR MAXIMUM PERIOD   BASIN   MAXIMUM   TIME OF
+      OPERATION      STATION      FLOW    PEAK     6-HOUR    24-HOUR    72-HOUR     AREA    STAGE   MAX STAGE

       HYDROGRAPH AT
+                         J       654.    1.10       176       176        176       0.63
```

```
LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
  1           ID                          WHITE TANK
  2           ID                           GW PKWY
  3           ID                            850840-9
  4           ID                              100 Y
              *DIAGRAM
  5           IT       3  5AUG86    1200       60
  6           IO       3

  7           KK       K
  8           BA    0.10
  9           PH                   0.74     1.45     2.55
 10           LS              86
 11           UD    0.44
 12           ZZ
```

```
K        SUBBASIN RUNOFF DATA

8 BA        SUBBASIN CHARACTERISTICS
                TAREA        0.10  SUBBASIN AREA

            PRECIPITATION DATA

9 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
            ..... HYDRO-35 .....   ............... TP-40 ...............   ........... TP-49 ...........
            5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
             0.74    1.45    2.55    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00

                                                   STORM AREA =    0.10

10 LS       SCS LOSS RATE
                STRTL        0.33  INITIAL ABSTRACTION
               CRVNBR       86.00  CURVE NUMBER
                RTIMP        0.00  PERCENT IMPERVIOUS AREA

11 UD       SCS DIMENSIONLESS UNITGRAPH
                TLAG        0.44  LAG

                                                   ***

                                                UNIT HYDROGRAPH
                                          46 END-OF-PERIOD ORDINATES
             4.      12.      23.      37.      56.      76.      91.     100.     104.     103.
            98.      90.      81.      70.      57.      46.      39.      32.      27.      23.
            20.      16.      14.      12.      10.       8.       7.       6.       5.       4.
             3.       3.       2.       2.       2.       1.       1.       1.       1.       1.
             1.       1.       0.       0.       0.       0.

   ***          ***          ***          ***          ***
                HYDROGRAPH AT STATION        K

  TOTAL RAINFALL =    2.55, TOTAL LOSS =    1.27, TOTAL EXCESS =    1.28

 PEAK FLOW    TIME                        MAXIMUM AVERAGE FLOW
+  (CFS)      (HR)                 6-HR      24-HR      72-HR     2.95-HR
                        (CFS)
+   111.      1.05                  28.        28.        28.        28.
                       (INCHES)   1.283      1.283      1.283      1.283
                       (AC-FT)      7.         7.         7.         7.

                       CUMULATIVE AREA =    0.10 SQ MI
1
                                                RUNOFF SUMMARY
                                        FLOW IN CUBIC FEET PER SECOND
                                      TIME IN HOURS,  AREA IN SQUARE MILES

                                   PEAK   TIME OF   AVERAGE FLOW FOR MAXIMUM PERIOD   BASIN   MAXIMUM   TIME OF
        OPERATION      STATION     FLOW    PEAK                                      AREA    STAGE    MAX STAGE
+                                                    6-HOUR    24-HOUR    72-HOUR
        HYDROGRAPH AT
+                          K       111.    1.05        28.        28.        28.      0.10
```

```
LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
  1           ID                                WHITE TANK
  2           ID                                 GW PKWY
  3           ID                                 850840-9
  4           ID                                  100 Y
              *DIAGRAM
  5           IT       3 26JUN86    1200      60
  6           IO       3

  7           KK       1
  8           BA    1.47
  9           PH                    0.74    1.45    2.55
 10           LS              86
 11           UD    0.50
 12           ZZ
```

```
              **************
              *            *
  7 KK        *        1   *
              *            *
              **************

          SUBBASIN RUNOFF DATA

  8 BA        SUBBASIN CHARACTERISTICS
                  TAREA        1.47  SUBBASIN AREA

              PRECIPITATION DATA

  9 PH                          DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
              ..... HYDRO-35 .....   ............... TP-40 ...............   ........... TP-49 ...........
              5-MIN  15-MIN  60-MIN   2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
               0.74    1.45    2.55   0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00

                                                STORM AREA =    1.47

 10 LS        SCS LOSS RATE
                  STRTL        0.33  INITIAL ABSTRACTION
                 CRVNBR       86.00  CURVE NUMBER
                  RTIMP        0.00  PERCENT IMPERVIOUS AREA

 11 UD        SCS DIMENSIONLESS UNITGRAPH
                  TLAG        0.50  LAG

                                                  ***

                                              UNIT HYDROGRAPH
                                          52 END-OF-PERIOD ORDINATES
              39.     126.     240.     389.     585.     820.    1038.    1203.    1306.    1348.
            1348.    1306.    1223.    1129.    1018.     882.     733.     609.     520.     444.
             379.     332.     285.     246.     207.     178.     153.     131.     112.      96.
              82.      70.      60.      51.      44.      38.      33.      28.      24.      20.
              17.      15.      13.      12.      10.       9.       7.       6.       5.       3.
               2.       1.

    ***          ***          ***          ***          ***
                   HYDROGRAPH AT STATION       1

   TOTAL RAINFALL =    2.53, TOTAL LOSS =    1.26, TOTAL EXCESS =    1.27

  PEAK FLOW    TIME                          MAXIMUM AVERAGE FLOW
+  (CFS)       (HR)                   6-HR      24-HR      72-HR     2.95-HR
                                     (CFS)
+   1469.      1.10                   407.       407.       407.       407.
                                   (INCHES)    1.267      1.267      1.267      1.267
                                    (AC-FT)     99.        99.        99.        99.

                   CUMULATIVE AREA =    1.47 SQ MI
1
                                              RUNOFF SUMMARY
                                       FLOW IN CUBIC FEET PER SECOND
                                     TIME IN HOURS,  AREA IN SQUARE MILES

                                   PEAK   TIME OF    AVERAGE FLOW FOR MAXIMUM PERIOD    BASIN    MAXIMUM    TIME OF
+       OPERATION      STATION     FLOW    PEAK                                        AREA     STAGE     MAX STAGE
                                                      6-HOUR     24-HOUR    72-HOUR
        HYDROGRAPH AT
+                          1      1469.   1.10        407.       407.       407.       1.47
```

```
LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
  1           ID                                WHITE TANK
  2           ID                                 GW PKWY
  3           ID                                  850840-9
  4           ID                                  100 Y
              *DIAGRAM
  5           IT       3 26JUN86    1200      60
  6           IO       3

  7           KK       3
  8           BA    0.54
  9           PH                    0.74    1.45    2.55
 10           LS                 86
 11           UD    0.52
 12           ZZ
```

```
              ***************
              *             *
  7 KK        *         3   *
              *             *
              ***************

            SUBBASIN RUNOFF DATA

  8 BA        SUBBASIN CHARACTERISTICS
                  TAREA        0.54  SUBBASIN AREA

              PRECIPITATION DATA

  9 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
              ..... HYDRO-35 ......  ............... TP-40 ...............  ........... TP-49 ...........
              5-MIN  15-MIN  60-MIN   2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
               0.74    1.45    2.55   0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00

                                                  STORM AREA =    0.54

 10 LS        SCS LOSS RATE
                  STRTL        0.33  INITIAL ABSTRACTION
                 CRVNBR       86.00  CURVE NUMBER
                  RTIMP        0.00  PERCENT IMPERVIOUS AREA

 11 UD        SCS DIMENSIONLESS UNITGRAPH
                  TLAG        0.52  LAG

                                                  ***

                                              UNIT HYDROGRAPH
                                         54 END-OF-PERIOD ORDINATES
              13.      42.      80.     129.     193.     271.     348.     410.     452.     475.
             478.     474.     447.     417.     382.     341.     291.     243.     206.     177.
             152.     131.     115.      99.      86.      72.      63.      54.      47.      40.
              35.      30.      25.      22.      19.      16.      14.      12.      10.       9.
               8.       7.       6.       5.       5.       4.       3.       3.       2.       2.
               2.       1.       1.       0.

     ***          ***          ***          ***          ***
                    HYDROGRAPH AT STATION       3

    TOTAL RAINFALL =    2.54, TOTAL LOSS =    1.26, TOTAL EXCESS =    1.28

  PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
                                      6-HR       24-HR       72-HR      2.95-HR
+  (CFS)        (HR)
                                   (CFS)
+    530.       1.15                151.        151.        151.        151.
                                (INCHES)      1.276       1.276       1.276       1.276
                                 (AC-FT)        37.         37.         37.         37.

                    CUMULATIVE AREA =    0.54 SQ MI
1
                                              RUNOFF SUMMARY
                                       FLOW IN CUBIC FEET PER SECOND
                                     TIME IN HOURS,  AREA IN SQUARE MILES

                                   PEAK   TIME OF    AVERAGE FLOW FOR MAXIMUM PERIOD      BASIN    MAXIMUM    TIME OF
        OPERATION      STATION     FLOW    PEAK                                          AREA     STAGE    MAX STAGE
+                                                     6-HOUR     24-HOUR     72-HOUR

        HYDROGRAPH AT
+                          3       530.    1.15        151.        151.        151.      0.54
```

```
LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
  1           ID                                WHITE TANK
  2           ID                                GW PKWY
  3           ID                                850840-9
  4           ID                                  100 Y
              *DIAGRAM
  5           IT       3 26JUN86    1200      60
  6           IO       3

  7           KK       5
  8           BA    0.22
  9           PH                     0.74    1.45    2.55
 10           LS                 86
 11           UD    0.47
 12           ZZ
```

```
              **************
              *            *
 7 KK         *        5   *
              *            *
              **************
```

SUBBASIN RUNOFF DATA

8 BA SUBBASIN CHARACTERISTICS

TAREA 0.22 SUBBASIN AREA

PRECIPITATION DATA

9 PH

DEPTHS FOR 0-PERCENT HYPOTHETICAL STORM

HYDRO-35			TP-40					TP-49			
5-MIN	15-MIN	60-MIN	2-HR	3-HR	6-HR	12-HR	24-HR	2-DAY	4-DAY	7-DAY	10-DAY
0.74	1.45	2.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

STORM AREA = 0.22

10 LS SCS LOSS RATE

STRTL 0.33 INITIAL ABSTRACTION
CRVNBR 86.00 CURVE NUMBER
RTIMP 0.00 PERCENT IMPERVIOUS AREA

11 UD SCS DIMENSIONLESS UNITGRAPH

TLAG 0.47 LAG

***

UNIT HYDROGRAPH
49 END-OF-PERIOD ORDINATES

7.	22.	42.	68.	103.	144.	178.	201.	213.	214.
211.	198.	182.	164.	142.	117.	96.	81.	69.	59.
51.	43.	37.	31.	26.	22.	19.	16.	13.	11.
10.	8.	7.	6.	5.	4.	4.	3.	3.	2.
2.	2.	1.	1.	1.	1.	1.	0.	0.	

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

HYDROGRAPH AT STATION 5

TOTAL RAINFALL = 2.55, TOTAL LOSS = 1.27, TOTAL EXCESS = 1.28

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
+ (CFS)	(HR)	6-HR	24-HR	72-HR	2.95-HR
+ 232.	1.10	(CFS) 62.	62.	62.	62.
		(INCHES) 1.281	1.281	1.281	1.281
		(AC-FT) 15.	15.	15.	15.

CUMULATIVE AREA = 0.22 SQ MI

1

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

+ OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD 6-HOUR	24-HOUR	72-HOUR	BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
+ HYDROGRAPH AT	5	232.	1.10	62.	62.	62.	0.22		

```
LINE      ID.......1.......2.......3.......4.......5.......6.......7.......8.......9.......10
  1       ID                          WHITE TANK
  2       ID                          GW PKWY
  3       ID                           850840-9
  4       ID                           100 Y
          *DIAGRAM
  5       IT       3 26JUN86    1200      60
  6       IO       3

  7       KK       7
  8       BA    0.57
  9       PH                   0.74    1.45    2.55
 10       LS                 86
 11       UD    0.52
 12       ZZ
```

```
          **************
          *            *
  7 KK    *        7   *
          *            *
          **************
```

SUBBASIN RUNOFF DATA

8 BA SUBBASIN CHARACTERISTICS
TAREA 0.57 SUBBASIN AREA

PRECIPITATION DATA

9 PH DEPTHS FOR 0-PERCENT HYPOTHETICAL STORM

HYDRO-35			TP-40					TP-49			
5-MIN	15-MIN	60-MIN	2-HR	3-HR	6-HR	12-HR	24-HR	2-DAY	4-DAY	7-DAY	10-DAY
0.74	1.45	2.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

STORM AREA = 0.57

10 LS SCS LOSS RATE
STRTL 0.33 INITIAL ABSTRACTION
CRVNBR 86.00 CURVE NUMBER
RTIMP 0.00 PERCENT IMPERVIOUS AREA

11 UD SCS DIMENSIONLESS UNITGRAPH
TLAG 0.52 LAG

***

UNIT HYDROGRAPH
54 END-OF-PERIOD ORDINATES

14.	45.	85.	137.	204.	286.	368.	433.	478.	501.
505.	500.	472.	440.	404.	360.	307.	257.	217.	186.
160.	138.	121.	104.	90.	76.	66.	57.	49.	43.
36.	31.	27.	23.	20.	17.	15.	13.	11.	10.
8.	7.	6.	5.	5.	4.	4.	3.	3.	2.
2.	1.	1.	0.						

*** *** *** *** ***
HYDROGRAPH AT STATION 7

TOTAL RAINFALL = 2.54, TOTAL LOSS = 1.26, TOTAL EXCESS = 1.28

	PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	2.95-HR
+	559.	1.15	(CFS) 159.	159.	159.	159.
			(INCHES) 1.276	1.276	1.276	1.276
			(AC-FT) 39.	39.	39.	39.

CUMULATIVE AREA = 0.57 SQ MI

1

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

+	OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD 6-HOUR	24-HOUR	72-HOUR	BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
+	HYDROGRAPH AT	7	559.	1.15	159.	159.	159.	0.57		

```
LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
  1           ID                          WHITE TANK
  2           ID                          GW PKWY
  3           ID                           850840-9
  4           ID                            100 Y
              *DIAGRAM
  5           IT       3 26JUN86    1200      60
  6           IO       3

  7           KK      11
  8           BA    0.14
  9           PH                    0.74    1.45    2.55
 10           LS              86
 11           UD    0.59
 12           ZZ
```

```
              **************
              *            *
  7 KK        *       11   *
              *            *
              **************

          SUBBASIN RUNOFF DATA

  8 BA        SUBBASIN CHARACTERISTICS
                  TAREA        0.14  SUBBASIN AREA

              PRECIPITATION DATA

  9 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
              ..... HYDRO-35 ......  ............... TP-40 ...............  ........... TP-49 ...........
              5-MIN  15-MIN  60-MIN   2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
               0.74    1.45    2.55   0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00

                                                  STORM AREA =    0.14

 10 LS        SCS LOSS RATE
                  STRTL        0.33  INITIAL ABSTRACTION
                 CRVNBR       86.00  CURVE NUMBER
                  RTIMP        0.00  PERCENT IMPERVIOUS AREA

 11 UD        SCS DIMENSIONLESS UNITGRAPH
                  TLAG        0.59  LAG

                                                  ***

                                              UNIT HYDROGRAPH
                                          61 END-OF-PERIOD ORDINATES
              3.      8.     15.     24.     35.     50.     66.     81.     94.    103.
            109.    110.    109.    106.    101.     95.     87.     79.     69.     59.
             50.     44.     38.     33.     29.     26.     23.     20.     18.     15.
             14.     12.     10.      9.      8.      7.      6.      5.      5.      4.
              4.      3.      3.      2.      2.      2.      2.      1.      1.      1.
              1.      1.      1.      1.      1.      0.      0.      0.      0.      0.
              0.

    ***           ***           ***           ***           ***
                      HYDROGRAPH AT STATION      11

   TOTAL RAINFALL =   2.55, TOTAL LOSS =   1.27, TOTAL EXCESS =   1.28

  PEAK FLOW    TIME                          MAXIMUM AVERAGE FLOW
                                     6-HR       24-HR       72-HR      2.95-HR
+  (CFS)       (HR)
                                   (CFS)
+   126.       1.20                 39.         39.         39.         39.
                                (INCHES)      1.275       1.275       1.275       1.275
                                (AC-FT)        10.         10.         10.         10.

                          CUMULATIVE AREA =    0.14 SQ MI
1
                                              RUNOFF SUMMARY
                                        FLOW IN CUBIC FEET PER SECOND
                                      TIME IN HOURS,  AREA IN SQUARE MILES

                                   PEAK   TIME OF    AVERAGE FLOW FOR MAXIMUM PERIOD      BASIN    MAXIMUM    TIME OF
        OPERATION      STATION     FLOW    PEAK                                          AREA     STAGE    MAX STAGE
+                                                     6-HOUR     24-HOUR     72-HOUR

        HYDROGRAPH AT
+                          11      126.    1.20        39.         39.         39.       0.14
```

```
                                        HEC-1 INPUT

  LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
    1           ID                          WHITE TANK
    2           ID                          GW PKWY
    3           ID                          850840-9
    4           ID                           100 Y
                *DIAGRAM
    5           IT       3 24MAR87    1200       60
    6           IO       3

    7           KK     12A
    8           BA    2.84
    9           PH                    0.74    1.45    2.55
   10           LS              93
   11           UD    0.18

   12           KK
   13           RK   22200   0.026    0.03            TRAP      15       2

   14           KK     12B
   15           BA    1.65
   16           LS              86
   17           UD    0.54

   18           KK    COMB
   19           HC       2
   20           ZZ
```

*** *

```
          **************
          *            *
  7 KK    *      12A   *
          *            *
          **************
```

SUBBASIN RUNOFF DATA

8 BA — SUBBASIN CHARACTERISTICS

TAREA 2.84 SUBBASIN AREA

PRECIPITATION DATA

9 PH — DEPTHS FOR 0-PERCENT HYPOTHETICAL STORM

..... HYDRO-35			..... TP-40					..... TP-49			
5-MIN	15-MIN	60-MIN	2-HR	3-HR	6-HR	12-HR	24-HR	2-DAY	4-DAY	7-DAY	10-DA
0.74	1.45	2.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0

STORM AREA = 2.84

10 LS — SCS LOSS RATE

STRTL 0.15 INITIAL ABSTRACTION
CRVNBR 93.00 CURVE NUMBER
RTIMP 0.00 PERCENT IMPERVIOUS AREA

11 UD — SCS DIMENSIONLESS UNITGRAPH

TLAG 0.18 LAG

***

UNIT HYDROGRAPH
20 END-OF-PERIOD ORDINATES

936.	3022.	5735.	6693.	6148.	4808.	3052.	2042.	1401.	934.
634.	423.	283.	191.	129.	87.	62.	42.	25.	8.

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

HYDROGRAPH AT STATION 12A

TOTAL RAINFALL = 2.51, TOTAL LOSS = 0.72, TOTAL EXCESS = 1.79

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	2.95-HR
7087.	0.70	(CFS)	1113.	1113.	1113.	1113.
		(INCHES)	1.791	1.791	1.791	1.791
		(AC-FT)	271.	271.	271.	271.

CUMULATIVE AREA = 2.84 SQ MI

*** ***

HYDROGRAPH ROUTING DATA

13 RK KINEMATIC WAVE STREAM ROUTING

L	22200.	CHANNEL LENGTH
S	0.0260	SLOPE
N	0.030	CHANNEL ROUGHNESS COEFFICIENT
CA	0.00	CONTRIBUTING AREA
SHAPE	TRAP	CHANNEL SHAPE
WD	15.00	BOTTOM WIDTH OR DIAMETER
Z	2.00	SIDE SLOPE

***

KINEMATIC STREAM ROUTING USED FOR THIS REACH

COMPUTED KINEMATIC PARAMETERS

ALPHA	M	DT (MIN)	DX (FT)
1.7730	1.479	1.50	11100.00

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

HYDROGRAPH AT STATION

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	2.95-HR
+		(CFS)				
+ 5648.	0.90		1104.	1104.	1104.	1104.
		(INCHES)	1.777	1.777	1.777	1.777
		(AC-FT)	269.	269.	269.	269.

CUMULATIVE AREA = 2.84 SQ MI

```
**************
*            *
14 KK  *   12B  *
*            *
**************
```

SUBBASIN RUNOFF DATA

15 BA SUBBASIN CHARACTERISTICS

TAREA 1.65 SUBBASIN AREA

PRECIPITATION DATA

9 PH DEPTHS FOR 0-PERCENT HYPOTHETICAL STORM

..... HYDRO-35			..... TP-40					..... TP-49			
5-MIN	15-MIN	60-MIN	2-HR	3-HR	6-HR	12-HR	24-HR	2-DAY	4-DAY	7-DAY	10-DA
0.74	1.45	2.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0

STORM AREA = 1.65

16 LS SCS LOSS RATE

STRTL	0.33	INITIAL ABSTRACTION
CRVNBR	86.00	CURVE NUMBER
RTIMP	0.00	PERCENT IMPERVIOUS AREA

17 UD SCS DIMENSIONLESS UNITGRAPH

TLAG 0.54 LAG

***

UNIT HYDROGRAPH
56 END-OF-PERIOD ORDINATES

37.	118.	224.	359.	533.	746.	975.	1169.	1306.	1383.
1407.	1402.	1354.	1273.	1182.	1078.	952.	802.	675.	580.
501.	432.	377.	331.	287.	249.	212.	185.	160.	139.
121.	104.	90.	77.	67.	58.	51.	44.	38.	33.
28.	25.	21.	19.	16.	14.	13.	11.	10.	8.
7.	6.	4.	3.	2.	1.				

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

HYDROGRAPH AT STATION 12B

TOTAL RAINFALL = 2.53, TOTAL LOSS = 1.26, TOTAL EXCESS = 1.27

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	2.95-HR
1559.	1.15	(CFS)	456.	456.	456.	456.
		(INCHES)	1.263	1.263	1.263	1.263
		(AC-FT)	111.	111.	111.	111.

CUMULATIVE AREA = 1.65 SQ MI

*** *

```
              **************
              *            *
  18 KK       *     COMB   *
              *            *
              **************

  19 HC            HYDROGRAPH COMBINATION
                        ICOMP          2  NUMBER OF HYDROGRAPHS TO COMBINE

                                                                  ***

     ***              ***              ***              ***              ***
                          HYDROGRAPH AT STATION     COMB

PEAK FLOW      TIME                                MAXIMUM AVERAGE FLOW
  (CFS)        (HR)                    6-HR        24-HR        72-HR       2.95-HR
   6723.       0.90          (CFS)     1560.        1560.        1560.        1560.
                           (INCHES)    1.588        1.588        1.588        1.588
                            (AC-FT)     380.         380.         380.         380.

                          CUMULATIVE AREA =    4.49 SQ MI
```

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

OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD 6-HOUR	24-HOUR	72-HOUR	BASIN AREA	MAXIMU STAGE
HYDROGRAPH AT	12A	7087.	0.70	1113.	1113.	1113.	2.84	
ROUTED TO		5648.	0.90	1104.	1104.	1104.	2.84	
HYDROGRAPH AT	12B	1559.	1.15	456.	456.	456.	1.65	
2 COMBINED AT	COMB	6723.	0.90	1560.	1560.	1560.	4.49	

* NORMAL END OF HEC-1 ***

```
LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
  1           ID                          WHITE TANK
  2           ID                          GW PKWY
  3           ID                          850840-9
  4           ID                             100 Y
              *DIAGRAM
  5           IT       3  1JUL86    1200      60
  6           IO       3

  7           KK      13
  8           BA    0.28
  9           PH                   0.74    1.45    2.55
 10           LS              86
 11           UD    0.51
 12           ZZ
```

```
              **************
              *            *
  7 KK        *       13   *
              *            *
              **************
```

SUBBASIN RUNOFF DATA

8 BA SUBBASIN CHARACTERISTICS

TAREA 0.28 SUBBASIN AREA

PRECIPITATION DATA

9 PH DEPTHS FOR 0-PERCENT HYPOTHETICAL STORM

HYDRO-35			TP-40					TP-49			
5-MIN	15-MIN	60-MIN	2-HR	3-HR	6-HR	12-HR	24-HR	2-DAY	4-DAY	7-DAY	10-DAY
0.74	1.45	2.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

STORM AREA = 0.28

10 LS SCS LOSS RATE

STRTL 0.33 INITIAL ABSTRACTION
CRVNBR 86.00 CURVE NUMBER
RTIMP 0.00 PERCENT IMPERVIOUS AREA

11 UD SCS DIMENSIONLESS UNITGRAPH

TLAG 0.51 LAG

***

UNIT HYDROGRAPH
53 END-OF-PERIOD ORDINATES

7.	23.	44.	70.	106.	148.	189.	221.	241.	251.
252.	247.	233.	216.	197.	173.	145.	121.	103.	88.
76.	66.	57.	49.	42.	36.	31.	26.	23.	19.
17.	14.	12.	11.	9.	8.	7.	6.	5.	4.
4.	3.	3.	2.	2.	2.	2.	1.	1.	1.
1.	0.	0.							

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

HYDROGRAPH AT STATION 13

TOTAL RAINFALL = 2.55, TOTAL LOSS = 1.26, TOTAL EXCESS = 1.28

	PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
+	(CFS)	(HR)		6-HR	24-HR	72-HR	2.95-HR
+	279.	1.15	(CFS)	78.	78.	78.	78.
			(INCHES)	1.279	1.279	1.279	1.279
			(AC-FT)	19.	19.	19.	19.

CUMULATIVE AREA = 0.28 SQ MI

1

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

+	OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD 6-HOUR	24-HOUR	72-HOUR	BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
+	HYDROGRAPH AT	13	279.	1.15	78.	78.	78.	0.28		

```
LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
  1           ID                                WHITE TANK
  2           ID                                GW PKWY
  3           ID                                 850840-9
  4           ID                                  100 Y
              *DIAGRAM
  5           IT       3  1JUL86    1200      60
  6           IO       3

  7           KK      15
  8           BA    0.88
  9           PH                    0.74    1.45    2.55
 10           LS              86
 11           UD    0.34
 12           ZZ
```

```
              **************
              *            *
  7 KK        *       15   *
              *            *
              **************

            SUBBASIN RUNOFF DATA

  8 BA        SUBBASIN CHARACTERISTICS
                 TAREA        0.88  SUBBASIN AREA

              PRECIPITATION DATA

  9 PH                          DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
              ..... HYDRO-35 .....  ............... TP-40 ...............  ........... TP-49 ...........
              5-MIN  15-MIN  60-MIN   2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
               0.74    1.45    2.55   0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00

                                                STORM AREA =    0.88

 10 LS        SCS LOSS RATE
                 STRTL        0.33  INITIAL ABSTRACTION
                CRVNBR       86.00  CURVE NUMBER
                 RTIMP        0.00  PERCENT IMPERVIOUS AREA

 11 UD        SCS DIMENSIONLESS UNITGRAPH
                 TLAG        0.34  LAG

                                                  ***

                                              UNIT HYDROGRAPH
                                          36 END-OF-PERIOD ORDINATES
            65.     194.     381.     653.     927.    1098.    1159.    1153.    1056.     936.
           782.     601.     470.     374.     303.     244.     196.     156.     124.     100.
            80.      63.      51.      41.      33.      26.      21.      17.      13.      11.
             9.       7.       6.       4.       2.       1.

   ***          ***          ***          ***          ***
                   HYDROGRAPH AT STATION      15

  TOTAL RAINFALL =    2.54, TOTAL LOSS =    1.26, TOTAL EXCESS =    1.27

 PEAK FLOW    TIME                          MAXIMUM AVERAGE FLOW
+  (CFS)      (HR)                  6-HR       24-HR       72-HR      2.95-HR
                          (CFS)
+  1132.      0.95                  245.        245.        245.        245.
                        (INCHES)   1.275       1.275       1.275       1.275
                         (AC-FT)     60.         60.         60.         60.

                       CUMULATIVE AREA =    0.88 SQ MI
1
                                              RUNOFF SUMMARY
                                       FLOW IN CUBIC FEET PER SECOND
                                     TIME IN HOURS,  AREA IN SQUARE MILES

                                   PEAK   TIME OF    AVERAGE FLOW FOR MAXIMUM PERIOD      BASIN    MAXIMUM    TIME OF
+       OPERATION       STATION    FLOW    PEAK                                          AREA     STAGE    MAX STAGE
                                                      6-HOUR     24-HOUR     72-HOUR
        HYDROGRAPH AT
+                          15     1132.   0.95         245.        245.        245.      0.88
```

```
LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9.......10
   1          ID                          WHITE TANK
   2          ID                            PKWY
   3          ID                     850840-9 REVISED 16
   4          ID                            100 Y
              *DIAGRAM
   5          IT       3 12FEB87    1200      60
   6          IO       3

   7          KK     R16
   8          BA    2.06
   9          PH                    0.74    1.45    2.55
  10          LS              86
  11          UD    0.38
  12          ZZ
```

R16 SUBBASIN RUNOFF DATA

8 BA SUBBASIN CHARACTERISTICS

TAREA 2.06 SUBBASIN AREA

PRECIPITATION DATA

9 PH DEPTHS FOR 0-PERCENT HYPOTHETICAL STORM

HYDRO-35			TP-40					TP-49			
5-MIN	15-MIN	60-MIN	2-HR	3-HR	6-HR	12-HR	24-HR	2-DAY	4-DAY	7-DAY	10-DAY
0.74	1.45	2.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

STORM AREA = 2.06

10 LS SCS LOSS RATE

STRTL 0.33 INITIAL ABSTRACTION
CRVNBR 86.00 CURVE NUMBER
RTIMP 0.00 PERCENT IMPERVIOUS AREA

11 UD SCS DIMENSIONLESS UNITGRAPH

TLAG 0.38 LAG

***

UNIT HYDROGRAPH
40 END-OF-PERIOD ORDINATES

114.	350.	675.	1131.	1690.	2126.	2381.	2455.	2417.	2227.
2000.	1717.	1364.	1082.	882.	719.	600.	492.	401.	327.
267.	220.	179.	145.	119.	97.	80.	66.	54.	44.
36.	29.	25.	21.	18.	14.	11.	8.	5.	2.

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

HYDROGRAPH AT STATION R16

TOTAL RAINFALL = 2.52, TOTAL LOSS = 1.26, TOTAL EXCESS = 1.26

	PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	2.95-HR
+	(CFS)	(HR)					
			(CFS)				
+	2449.	1.00		569.	569.	569.	569.
			(INCHES)	1.262	1.262	1.262	1.262
			(AC-FT)	139.	139.	139.	139.

CUMULATIVE AREA = 2.06 SQ MI

1

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

+	OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD 6-HOUR	24-HOUR	72-HOUR	BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
+	HYDROGRAPH AT	R16	2449.	1.00	569.	569.	569.	2.06		

```
LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9.......10
  1           ID                          WHITE TANK
  2           ID                          GW PKWY
  3           ID                          850840-9
  4           ID                          100 Y
              *DIAGRAM
  5           IT       3  1JUL86    1200      60
  6           IO       3

  7           KK      19
  8           BA    0.26
  9           PH                    0.74    1.45    2.55
 10           LS                 86
 11           UD    0.52
 12           ZZ
```

```
              **************
              *            *
  7 KK        *       19   *
              *            *
              **************
```

SUBBASIN RUNOFF DATA

8 BA — SUBBASIN CHARACTERISTICS

TAREA	0.26	SUBBASIN AREA

PRECIPITATION DATA

9 PH — DEPTHS FOR 0-PERCENT HYPOTHETICAL STORM

HYDRO-35			TP-40					TP-49			
5-MIN	15-MIN	60-MIN	2-HR	3-HR	6-HR	12-HR	24-HR	2-DAY	4-DAY	7-DAY	10-DAY
0.74	1.45	2.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

STORM AREA = 0.26

10 LS — SCS LOSS RATE

STRTL	0.33	INITIAL ABSTRACTION
CRVNBR	86.00	CURVE NUMBER
RTIMP	0.00	PERCENT IMPERVIOUS AREA

11 UD — SCS DIMENSIONLESS UNITGRAPH

TLAG	0.52	LAG

***

UNIT HYDROGRAPH
54 END-OF-PERIOD ORDINATES

6.	20.	39.	62.	93.	130.	168.	198.	218.	229.
230.	228.	215.	201.	184.	164.	140.	117.	99.	85.
73.	63.	55.	48.	41.	35.	30.	26.	23.	19.
17.	14.	12.	11.	9.	8.	7.	6.	5.	4.
4.	3.	3.	2.	2.	2.	2.	1.	1.	1.
1.	1.	0.	0.						

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

HYDROGRAPH AT STATION 19

TOTAL RAINFALL = 2.55, TOTAL LOSS = 1.26, TOTAL EXCESS = 1.28

	PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	2.95-HR
+	(CFS)	(HR)					
			(CFS)				
+	256.	1.15		73.	73.	73.	73.
			(INCHES)	1.279	1.279	1.279	1.279
			(AC-FT)	18.	18.	18.	18.

CUMULATIVE AREA = 0.26 SQ MI

1

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

	OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD 6-HOUR	24-HOUR	72-HOUR	BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
+	HYDROGRAPH AT	19	256.	1.15	73.	73.	73.	0.26		

```
LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
  1           ID
  2           ID                          WHITE TANK
  3           ID                     850840-9 REVISED 25
  4           ID                              PKWY
              ID                              100 Y
              *DIAGRAM
  5           IT       3 12FEB87    1200       60
  6           IO       3

  7           KK     R25
  8           BA    1.23
  9           PH                    0.74     1.45     2.55
 10           LS              86
 11           UD    .0.57
 12           ZZ
```

```
             **************
             *            *
 7 KK        *     R25    *
             *            *
             **************
```

SUBBASIN RUNOFF DATA

8 BA SUBBASIN CHARACTERISTICS

TAREA 1.23 SUBBASIN AREA

PRECIPITATION DATA

9 PH DEPTHS FOR 0-PERCENT HYPOTHETICAL STORM

HYDRO-35			TP-40					TP-49			
5-MIN	15-MIN	60-MIN	2-HR	3-HR	6-HR	12-HR	24-HR	2-DAY	4-DAY	7-DAY	10-DAY
0.74	1.45	2.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

STORM AREA = 1.23

10 LS SCS LOSS RATE

STRTL 0.33 INITIAL ABSTRACTION
CRVNBR 86.00 CURVE NUMBER
RTIMP 0.00 PERCENT IMPERVIOUS AREA

11 UD SCS DIMENSIONLESS UNITGRAPH

TLAG 0.57 LAG

***

UNIT HYDROGRAPH
59 END-OF-PERIOD ORDINATES

25.	78.	147.	233.	342.	477.	637.	775.	881.	953.
991.	998.	990.	943.	887.	823.	751.	664.	563.	479.
414.	360.	313.	274.	243.	212.	186.	161.	139.	123.
106.	94.	81.	71.	61.	53.	47.	40.	36.	31.
27.	24.	21.	18.	16.	14.	12.	11.	10.	9.
8.	7.	6.	5.	4.	3.	2.	1.	0.	

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

HYDROGRAPH AT STATION R25

TOTAL RAINFALL = 2.53, TOTAL LOSS = 1.26, TOTAL EXCESS = 1.27

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
+ (CFS)	(HR)		6-HR	24-HR	72-HR	2.95-HR
+ 1123.	1.20	(CFS)	340.	340.	340.	340.
		(INCHES)	1.265	1.265	1.265	1.265
		(AC-FT)	83.	83.	83.	83.

CUMULATIVE AREA = 1.23 SQ MI

1

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

+ OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD 6-HOUR	24-HOUR	72-HOUR	BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
+ HYDROGRAPH AT	R25	1123.	1.20	340.	340.	340.	1.23		

```
LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
  1           ID                                WHITE TANK
  2           ID                                 GW PKWY
  3           ID                                850840-9
  4           ID                                 100 Y
              *DIAGRAM
  5           IT       3 21JUL86    1200      60
  6           IO       3

  7           KK      26
  8           BA    1.20
  9           PH                    0.74    1.45    2.55
 10           LS                 86
 11           UD    0.34
 12           ZZ
```

```
              **************
              *            *
  7 KK        *       26   *
              *            *
              **************
```

SUBBASIN RUNOFF DATA

8 BA SUBBASIN CHARACTERISTICS
TAREA 1.20 SUBBASIN AREA

PRECIPITATION DATA

9 PH DEPTHS FOR 0-PERCENT HYPOTHETICAL STORM

HYDRO-35			TP-40					TP-49			
5-MIN	15-MIN	60-MIN	2-HR	3-HR	6-HR	12-HR	24-HR	2-DAY	4-DAY	7-DAY	10-DAY
0.74	1.45	2.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

STORM AREA = 1.20

10 LS SCS LOSS RATE
STRTL 0.33 INITIAL ABSTRACTION
CRVNBR 86.00 CURVE NUMBER
RTIMP 0.00 PERCENT IMPERVIOUS AREA

11 UD SCS DIMENSIONLESS UNITGRAPH
TLAG 0.34 LAG

***

UNIT HYDROGRAPH
36 END-OF-PERIOD ORDINATES

89.	264.	520.	891.	1264.	1497.	1581.	1572.	1440.	1277.
1067.	819.	640.	510.	413.	333.	267.	212.	169.	137.
109.	86.	69.	56.	44.	36.	29.	23.	18.	15.
13.	10.	8.	5.	3.	1.				

*** *** *** *** ***
HYDROGRAPH AT STATION 26

TOTAL RAINFALL = 2.53, TOTAL LOSS = 1.26, TOTAL EXCESS = 1.27

	PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
				6-HR	24-HR	72-HR	2.95-HR
+	(CFS)	(HR)	(CFS)				
+	1538.	0.95		334.	334.	334.	334.
			(INCHES)	1.271	1.271	1.271	1.271
			(AC-FT)	81.	81.	81.	81.

CUMULATIVE AREA = 1.20 SQ MI

1

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

	OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD 6-HOUR	24-HOUR	72-HOUR	BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAG
+	HYDROGRAPH AT	26	1538.	0.95	334.	334.	334.	1.20		

```
LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
  1           ID                                WHITE TANK
  2           ID                                GW PKWY
  3           ID                                  850840-9
  4           ID                                    100 Y
              *DIAGRAM
  5           IT       3 21JUL86    1200      60
  6           IO       3

  7           KK      33
  8           BA    1.24
  9           PH                    0.74    1.45    2.55
 10           LS              86
 11           UD    0.35
 12           ZZ
```

```
              **************
              *            *
  7 KK        *       33   *
              *            *
              **************
```

SUBBASIN RUNOFF DATA

8 BA SUBBASIN CHARACTERISTICS

TAREA 1.24 SUBBASIN AREA

PRECIPITATION DATA

9 PH DEPTHS FOR 0-PERCENT HYPOTHETICAL STORM

HYDRO-35			TP-40					TP-49			
5-MIN	15-MIN	60-MIN	2-HR	3-HR	6-HR	12-HR	24-HR	2-DAY	4-DAY	7-DAY	10-DAY
0.74	1.45	2.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

STORM AREA = 1.24

10 LS SCS LOSS RATE

STRTL 0.33 INITIAL ABSTRACTION
CRVNBR 86.00 CURVE NUMBER
RTIMP 0.00 PERCENT IMPERVIOUS AREA

11 UD SCS DIMENSIONLESS UNITGRAPH

TLAG 0.35 LAG

***

UNIT HYDROGRAPH
37 END-OF-PERIOD ORDINATES

85.	256.	496.	853.	1226.	1487.	1588.	1588.	1487.	1332.
1140.	895.	698.	560.	448.	370.	299.	235.	192.	155.
123.	100.	80.	64.	52.	42.	34.	27.	22.	18.
15.	12.	10.	7.	5.	3.	1.			

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

HYDROGRAPH AT STATION 33

TOTAL RAINFALL = 2.53, TOTAL LOSS = 1.26, TOTAL EXCESS = 1.27

	PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	2.95-HR
+	(CFS)	(HR)					
+	1565.	0.95	(CFS)	345.	345.	345.	345.
			(INCHES)	1.271	1.271	1.271	1.271
			(AC-FT)	84.	84.	84.	84.

CUMULATIVE AREA = 1.24 SQ MI

1

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

+	OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD 6-HOUR	24-HOUR	72-HOUR	BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
+	HYDROGRAPH AT	33	1565.	0.95	345.	345.	345.	1.24		

```
LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
  1           ID                          WHITE TANK
  2           ID                          GW PKWY
  3           ID                          850840-9
  4           ID                             100 Y
              *DIAGRAM
  5           IT       3 23JUL86    1200      60
  6           IO       3

  7           KK      36
  8           BA    1.60
  9           PH                   0.74    1.45    2.55
 10           LS              86
 11           UD    0.41
 12           ZZ
```

```
              **************
              *            *
  7 KK        *       36   *
              *            *
              **************
```

SUBBASIN RUNOFF DATA

8 BA SUBBASIN CHARACTERISTICS

TAREA 1.60 SUBBASIN AREA

PRECIPITATION DATA

9 PH DEPTHS FOR 0-PERCENT HYPOTHETICAL STORM

HYDRO-35			TP-40					TP-49			
5-MIN	15-MIN	60-MIN	2-HR	3-HR	6-HR	12-HR	24-HR	2-DAY	4-DAY	7-DAY	10-DAY
0.74	1.45	2.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

STORM AREA = 1.60

10 LS SCS LOSS RATE

STRTL 0.33 INITIAL ABSTRACTION
CRVNBR 86.00 CURVE NUMBER
RTIMP 0.00 PERCENT IMPERVIOUS AREA

11 UD SCS DIMENSIONLESS UNITGRAPH

TLAG 0.41 LAG

***

UNIT HYDROGRAPH
43 END-OF-PERIOD ORDINATES

72.	225.	433.	720.	1087.	1427.	1657.	1762.	1770.	1706.
1572.	1415.	1218.	978.	787.	651.	538.	453.	378.	315.
256.	215.	178.	148.	122.	100.	84.	69.	58.	48.
40.	33.	27.	23.	19.	17.	14.	12.	9.	7.
5.	3.	1.							

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

HYDROGRAPH AT STATION 36

TOTAL RAINFALL = 2.53, TOTAL LOSS = 1.26, TOTAL EXCESS = 1.27

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW	6-HR	24-HR	72-HR	2.95-HR
1820.	1.00	(CFS)	443.	443.	443.	443.
		(INCHES)	1.267	1.267	1.267	1.267
		(AC-FT)	108.	108.	108.	108.

CUMULATIVE AREA = 1.60 SQ MI

1

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

OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD 6-HOUR	24-HOUR	72-HOUR	BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
HYDROGRAPH AT	36	1820.	1.00	443.	443.	443.	1.60		

```
LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
  1           ID                          WHITE TANK
  2           ID                           GW PKWY
  3           ID                           850840-9
  4           ID                             100 Y
              *DIAGRAM
  5           IT       3 23JUL86    1200      60
  6           IO       3

  7           KK      38
  8           BA    0.15
  9           PH                     0.74    1.45    2.55
 10           LS               86
 11           UD    0.47
 12           ZZ
```

```
         **************
         *            *
  7 KK   *       38   *
         *            *
         **************
```

SUBBASIN RUNOFF DATA

8 BA SUBBASIN CHARACTERISTICS
TAREA 0.15 SUBBASIN AREA

PRECIPITATION DATA

9 PH DEPTHS FOR 0-PERCENT HYPOTHETICAL STORM

HYDRO-35			TP-40					TP-49			
5-MIN	15-MIN	60-MIN	2-HR	3-HR	6-HR	12-HR	24-HR	2-DAY	4-DAY	7-DAY	10-DAY
0.74	1.45	2.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

STORM AREA = 0.15

10 LS SCS LOSS RATE
STRTL 0.33 INITIAL ABSTRACTION
CRVNBR 86.00 CURVE NUMBER
RTIMP 0.00 PERCENT IMPERVIOUS AREA

11 UD SCS DIMENSIONLESS UNITGRAPH
TLAG 0.47 LAG

***

UNIT HYDROGRAPH
49 END-OF-PERIOD ORDINATES

4.	15.	28.	46.	70.	98.	121.	137.	145.	146.
144.	135.	124.	112.	97.	80.	66.	55.	47.	40.
35.	29.	25.	21.	18.	15.	13.	11.	9.	8.
7.	6.	5.	4.	3.	3.	2.	2.	2.	2.
1.	1.	1.	1.	1.	1.	0.	0.	0.	

*** *** *** *** ***
HYDROGRAPH AT STATION 38

TOTAL RAINFALL = 2.55, TOTAL LOSS = 1.27, TOTAL EXCESS = 1.28

	PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	2.95-HR
+	(CFS)	(HR)					
+	158.	1.10	(CFS)	42.	42.	42.	42.
			(INCHES)	1.282	1.282	1.282	1.282
			(AC-FT)	10.	10.	10.	10.

CUMULATIVE AREA = 0.15 SQ MI

1

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

	OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD 6-HOUR	24-HOUR	72-HOUR	BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
+	HYDROGRAPH AT	38	158.	1.10	42.	42.	42.	0.15		

```
LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
  1           ID                                WHITE TANK
  2           ID                                 GW PKWY
  3           ID                                 850840-9
  4           ID                                  100 Y
              *DIAGRAM
  5           IT       3 23JUL86    1200       60
  6           IO       3

  7           KK      42
  8           BA    0.22
  9           PH                    0.74     1.45     2.55
 10           LS              86
 11           UD    0.52
 12           ZZ
```

```
              **************
              *            *
  7 KK        *       42   *
              *            *
              **************
```

SUBBASIN RUNOFF DATA

8 BA — SUBBASIN CHARACTERISTICS

TAREA 0.22 SUBBASIN AREA

PRECIPITATION DATA

9 PH — DEPTHS FOR 0-PERCENT HYPOTHETICAL STORM

HYDRO-35			TP-40					TP-49			
5-MIN	15-MIN	60-MIN	2-HR	3-HR	6-HR	12-HR	24-HR	2-DAY	4-DAY	7-DAY	10-DAY
0.74	1.45	2.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

STORM AREA = 0.22

10 LS — SCS LOSS RATE

STRTL 0.33 INITIAL ABSTRACTION
CRVNBR 86.00 CURVE NUMBER
RTIMP 0.00 PERCENT IMPERVIOUS AREA

11 UD — SCS DIMENSIONLESS UNITGRAPH

TLAG 0.52 LAG

***

UNIT HYDROGRAPH
54 END-OF-PERIOD ORDINATES

5.	17.	33.	53.	79.	110.	142.	167.	184.	193.
195.	193.	182.	170.	156.	139.	119.	99.	84.	72.
62.	53.	47.	40.	35.	30.	26.	22.	19.	16.
14.	12.	10.	9.	8.	7.	6.	5.	4.	4.
3.	3.	2.	2.	2.	2.	1.	1.	1.	1.
1.	0.	0.	0.						

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

HYDROGRAPH AT STATION 42

TOTAL RAINFALL = 2.55, TOTAL LOSS = 1.27, TOTAL EXCESS = 1.28

	PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	2.95-HR
+	(CFS)	(HR)					
+	217.	1.15	(CFS)	62.	62.	62.	62.
			(INCHES)	1.279	1.279	1.279	1.279
			(AC-FT)	15.	15.	15.	15.

CUMULATIVE AREA = 0.22 SQ MI

1

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

+	OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD 6-HOUR	24-HOUR	72-HOUR	BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
+	HYDROGRAPH AT	42	217.	1.15	62.	62.	62.	0.22		

```
LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
  1           ID                          WHITE TANK
  2           ID                           GW PKWY
  3           ID                           850840-9
  4           ID                              100 Y
              *DIAGRAM
  5           IT       3 23JUL86    1200      60
  6           IO       3

  7           KK      44
  8           BA    0.68
  9           PH                   0.74    1.45    2.55
 10           LS              86
 11           UD    0.41
 12           ZZ
```

```
              ***************
              *             *
  7 KK        *        44   *
              *             *
              ***************
```

SUBBASIN RUNOFF DATA

8 BA — SUBBASIN CHARACTERISTICS

TAREA 0.68 SUBBASIN AREA

PRECIPITATION DATA

9 PH — DEPTHS FOR 0-PERCENT HYPOTHETICAL STORM

HYDRO-35			TP-40					TP-49			
5-MIN	15-MIN	60-MIN	2-HR	3-HR	6-HR	12-HR	24-HR	2-DAY	4-DAY	7-DAY	10-DAY
0.74	1.45	2.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

STORM AREA = 0.68

10 LS — SCS LOSS RATE

STRTL 0.33 INITIAL ABSTRACTION
CRVNBR 86.00 CURVE NUMBER
RTIMP 0.00 PERCENT IMPERVIOUS AREA

11 UD — SCS DIMENSIONLESS UNITGRAPH

TLAG 0.41 LAG

***

UNIT HYDROGRAPH
43 END-OF-PERIOD ORDINATES

31.	96.	184.	306.	462.	606.	704.	749.	752.	725.
668.	601.	518.	416.	334.	277.	229.	192.	161.	134.
109.	92.	76.	63.	52.	42.	36.	29.	25.	20.
17.	14.	11.	10.	8.	7.	6.	5.	4.	3.
2.	1.	0.							

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

HYDROGRAPH AT STATION 44

TOTAL RAINFALL = 2.54, TOTAL LOSS = 1.26, TOTAL EXCESS = 1.28

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	2.95-HR
780.	1.00	(CFS)	190.	190.	190.	190.
		(INCHES)	1.277	1.277	1.277	1.277
		(AC-FT)	46.	46.	46.	46.

CUMULATIVE AREA = 0.68 SQ MI

1

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

OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD 6-HOUR	24-HOUR	72-HOUR	BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
HYDROGRAPH AT	44	780.	1.00	190.	190.	190.	0.68		

```
LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
  1           ID                          WHITE TANK
  2           ID                           GW PKWY
  3           ID                           850840-9
  4           ID                             100 Y
              *DIAGRAM
  5           IT       3  4DEC86    1200      60
  6           IO       3

  7           KK      45
  8           BA    0.89
  9           PH                     0.74    1.45    2.55
 10           LS                 86
 11           UD    0.37
 12           ZZ
```

```
              **************
              *            *
 7 KK         *       45   *
              *            *
              **************
```

SUBBASIN RUNOFF DATA

8 BA — SUBBASIN CHARACTERISTICS

TAREA	0.89	SUBBASIN AREA

PRECIPITATION DATA

9 PH — DEPTHS FOR 0-PERCENT HYPOTHETICAL STORM

HYDRO-35			TP-40					TP-49			
5-MIN	15-MIN	60-MIN	2-HR	3-HR	6-HR	12-HR	24-HR	2-DAY	4-DAY	7-DAY	10-DAY
0.74	1.45	2.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

STORM AREA = 0.89

10 LS — SCS LOSS RATE

STRTL	0.33	INITIAL ABSTRACTION
CRVNBR	86.00	CURVE NUMBER
RTIMP	0.00	PERCENT IMPERVIOUS AREA

11 UD — SCS DIMENSIONLESS UNITGRAPH

TLAG	0.37	LAG

***

UNIT HYDROGRAPH
39 END-OF-PERIOD ORDINATES

53.	161.	311.	525.	776.	964.	1069.	1088.	1052.	963.
856.	716.	560.	446.	360.	295.	245.	200.	159.	131.
107.	86.	71.	57.	46.	38.	31.	25.	21.	16.
14.	11.	10.	8.	6.	5.	3.	2.	1.	

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

HYDROGRAPH AT STATION 45

TOTAL RAINFALL = 2.54, TOTAL LOSS = 1.26, TOTAL EXCESS = 1.27

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	2.95-HR
1086.	0.95	(CFS)	248.	248.	248.	248.
		(INCHES)	1.275	1.275	1.275	1.275
		(AC-FT)	61.	61.	61.	61.

CUMULATIVE AREA = 0.89 SQ MI

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

OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD 6-HOUR	24-HOUR	72-HOUR	BASIN AREA	MAXIMUM STAGE	TIME (MAX ST
HYDROGRAPH AT	45	1086.	0.95	248.	248.	248.	0.89		

```
LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
  1           ID                          WHITE TANK
  2           ID                          GW PKWY
  3           ID                           850840-9
  4           ID                            100 Y
              *DIAGRAM
  5           IT       3  2AUG86    1200      60
  6           IO       3

  7           KK      49
  8           BA    0.43
  9           PH                    0.74    1.45    2.55
 10           LS              86
 11           UD    0.58
 12           ZZ
```

```
              ***************
              *             *
  7 KK        *       49    *
              *             *
              ***************
```

SUBBASIN RUNOFF DATA

8 BA SUBBASIN CHARACTERISTICS
TAREA 0.43 SUBBASIN AREA

PRECIPITATION DATA

9 PH DEPTHS FOR 0-PERCENT HYPOTHETICAL STORM

HYDRO-35			TP-40					TP-49			
5-MIN	15-MIN	60-MIN	2-HR	3-HR	6-HR	12-HR	24-HR	2-DAY	4-DAY	7-DAY	10-DAY
0.74	1.45	2.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

STORM AREA = 0.43

10 LS SCS LOSS RATE
STRTL 0.33 INITIAL ABSTRACTION
CRVNBR 86.00 CURVE NUMBER
RTIMP 0.00 PERCENT IMPERVIOUS AREA

11 UD SCS DIMENSIONLESS UNITGRAPH
TLAG 0.58 LAG

***

UNIT HYDROGRAPH
60 END-OF-PERIOD ORDINATES

9.	26.	49.	78.	114.	159.	213.	260.	298.	325.
340.	343.	341.	328.	310.	289.	266.	238.	205.	174.
149.	130.	113.	99.	88.	78.	68.	59.	51.	45.
39.	34.	30.	26.	23.	20.	17.	15.	13.	12.
10.	9.	8.	7.	6.	5.	5.	4.	4.	3.
3.	3.	2.	2.	2.	1.	1.	1.	0.	0.

*** *** *** *** ***
HYDROGRAPH AT STATION 49

TOTAL RAINFALL = 2.54, TOTAL LOSS = 1.26, TOTAL EXCESS = 1.28

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	2.95-HR
+ (CFS)	(HR)	(CFS)				
+ 390.	1.20		120.	120.	120.	120.
		(INCHES)	1.273	1.273	1.273	1.273
		(AC-FT)	29.	29.	29.	29.

CUMULATIVE AREA = 0.43 SQ MI

1

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

	OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD 6-HOUR	24-HOUR	72-HOUR	BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
+	HYDROGRAPH AT	49	390.	1.20	120.	120.	120.	0.43		

```
****************************************
*                                      *
*   FLOOD HYDROGRAPH PACKAGE  (HEC-1)  *
*          FEBRUARY 1981               *
*          REVISED 14 JUN 85           *
*                                      *
* RUN DATE MAR 22, 1987  TIME 10:45 AM *
*                                      *
****************************************
```

```
****************************************
*
*   U.S. ARMY CORPS OF ENGINEERS
*  THE HYDROLOGIC ENGINEERING CENTER
*          609 SECOND STREET
*        DAVIS, CALIFORNIA 95616
*  (916) 440-3285 OR (FTS) 448-3285
*
****************************************
```

HEC-1 RUNOFF

SUMMARY PRINTOUTS

```
****************************************
*                                      *
*   FLOOD HYDROGRAPH PACKAGE  (HEC-1)  *
*            FEBRUARY 1981             *
*           REVISED 14 JUN 85          *
*                                      *
* RUN DATE MAR 22, 1987  TIME 10:45 AM *
*                                      *
****************************************
```

```
****************************************
*
*   U.S. ARMY CORPS OF ENGINEERS
*  THE HYDROLOGIC ENGINEERING CENTER
*          609 SECOND STREET
*       DAVIS, CALIFORNIA 95616
*  (916) 440-3285 OR (FTS) 448-3285
*
****************************************
```

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

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

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

```
LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
  1           ID                          WHITE TANK
  2           ID                            GW PKWY
  3           ID                           850840-9
  4           ID                             100 YR
  5           ID                       WAGNER WASH AREA
              *DIAGRAM
  6           IT       3  7AUG86    1200      60
  7           IO       3

  8           KK      K1
  9           BA    0.85
 10           PH                   0.74    1.45    2.55
 11           LS             86
 12           UD    0.66

 13           KK    RTJ1
 14           RK    3500   0.005    0.04            TRAP     100      60

 15           KK      J1
 16           BA    0.67
 17           LS             86
 18           UD    0.70

 19           KK    CJ1
 20           HC       2

 21           KK    RTI1
 22           RK    4500   0.005    0.04            TRAP     100      60

 23           KK      I1
 24           BA    0.94
 25           LS             86
 26           UD    0.82

 27           KK    CI1
 28           HC       2

 29           KK    RTF1
 30           RK    2500   0.005    0.04            TRAP     100      60

 31           KK      F1
 32           BA    0.43
 33           LS             86
 34           UD    0.72

 35           KK       0
 36           BA    0.20
 37           LS             86
 38           UD    0.72
```

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

 39           KK  CF1
 40           HC    3

 41           KK  RTE1
 42           RK  1300  0.005   0.04          TRAP    100     60

 43           KK    E1
 44           BA  0.19
 45           LS          86
 46           UD  0.67

 47           KK     P
 48           BA  0.27
 49           LS          86
 50           UD  0.78

 51           KK  CE1
 52           HC    3

 53           KK  RTD1
 54           RK  1500  0.005   0.04          TRAP    100     60

 55           KK    D1
 56           BA  0.20
 57           LS          86
 58           UD  0.69

 59           KK     R
 60           BA  0.14
 61           LS          86
 62           UD  0.78

 63           KK  CD1
 64           HC    3

 65           KK  XN61
 66           RK  2500  0.005   0.04          TRAP    100     60

 67           KK    B1
 68           BA  0.10
 69           LS          86
 70           UD  0.51

 71           KK     S
 72           BA  0.33
 73           LS          86
 74           UD  0.85

 75           KK  CX1
 76           HC    3
```

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

  77          KK  RTA1
  78          RK    500  0.005   0.04          TRAP    100     60

  79          KK      K
  80          BA   0.10
  81          LS           86
  82          UD   0.43

  83          KK  RTJ
  84          RK   1500  0.005   0.03          TRAP     50      4

  85          KK      J
  86          BA   0.63
  87          LS           86
  88          UD   0.53

  89          KK  CJ
  90          HC      2

  91          KK  RTI
  92          RK   1800  0.005   0.03          TRAP     50      4

  93          KK      I
  94          BA   0.91
  95          LS           86
  96          UD   0.59

  97          KK  CI
  98          HC      2

  99          KK  RTH
 100          RK   2400  0.005   0.03          TRAP     50      4

 101          KK      H
 102          BA   0.26
 103          LS           86
 104          UD   0.48

 105          KK  CH
 106          HC      2

 107          KK  RTG
 108          RK   1900  0.005   0.03          TRAP     50      4

 109          KK      G
 110          BA   0.16
 111          LS           86
 112          UD   0.44
```

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

 113          KK  CG
 114          HC      2

 115          KK  RTF
 116          RK   1000  0.005   0.03          TRAP     50      4

 117          KK       F
 118          BA    0.14
 119          LS              86
 120          UD    0.63

 121          KK  CF
 122          HC      2

 123          KK  RTE
 124          RK   1800  0.005   0.03          TRAP     50      4

 125          KK       E
 126          BA    0.08
 127          LS              86
 128          UD    0.50

 129          KK  CE
 130          HC      2

 131          KK  RTD
 132          RK   1500  0.005   0.03          TRAP     50      4

 133          KK       D
 134          BA    0.04
 135          LS              86
 136          UD    0.54

 137          KK  CD
 138          HC      2

 139          KK  RTC
 140          RK   1600  0.005   0.03          TRAP     50      4

 141          KK       C
 142          BA    1.60
 143          LS              86
 144          UD    0.72

 145          KK  CC
 146          HC      2

 147          KK  RTB
 148          RK   1400  0.005   0.03          TRAP     50      4
```

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

 149          KK      B
 150          BA   0.42
 151          LS            86
 152          UD   0.49

 153          KK   CB
 154          HC      2

 155          KK   XNG1
 156          RK    2300   0.005    0.03          TRAP     50      4

 157          KK   RTA
 158          RK     400   0.005    0.04          TRAP    100     60

 159          KK      A
 160          BA   0.19
 161          LS            86
 162          UD   0.72

 163          KK   CA
 164          HC      3

 165          KK   RTL
 166          RK     400   0.005    0.04          TRAP    100     60

 167          KK      L
 168          BA   1.18
 169          LS            86
 170          UD   0.49

 171          KK   CL
 172          HC      2

 173          KK   RTT
 174          RK     600   0.005    0.04          TRAP    100     60

 175          KK      T
 176          BA   0.49
 177          LS            86
 178          UD   0.62

 179          KK   CT
 180          HC      2

 181          KK   RTU
 182          RK    1900   0.005    0.04          TRAP    100     60

 183          KK      U
 184          BA   0.44
 185          LS            86
 186          UD   0.61
```

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

 187          KK  CU
 188          HC     2

 189          KK  RTV
 190          RK   1500  0.005   0.04          TRAP    100     60

 191          KK     V
 192          BA  0.08
 193          LS            86
 194          UD  0.45

 195          KK  CV
 196          HC     2

 197          KK  RTM
 198          RK   1100  0.005   0.04          TRAP    100     60

 199          KK     M
 200          BA  2.41
 201          LS            86
 202          UD  0.57

 203          KK  CM
 204          HC     2

 205          KK  RTX
 206          RK    500  0.005   0.04          TRAP    100     60

 207          KK     X
 208          BA  0.07
 209          LS            86
 210          UD  0.63

 211          KK  CX
 212          HC     2

 213          KK  RTY
 214          RK   1000  0.005   0.04          TRAP    100     60

 215          KK     Y
 216          BA  0.53
 217          LS            86
 218          UD  0.90

 219          KK  CY
 220          HC     2

 221          KK  XNG2
 222          RK   4500  0.005   0.04          TRAP    100     60
```

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

 223          KK       Z
 224          BA    0.08
 225          LS            86
 226          UD    0.43

 227          KK       N
 228          BA    2.20
 229          LS            86
 230          UD    0.66

 231          KK    XNG2
 232          HC       3
 233          ZZ
```

```
                SCHEMATIC DIAGRAM OF STREAM NETWORK
INPUT
 LINE      (V) ROUTING          (—)) DIVERSION OR PUMP FLOW

 NO.       (.) CONNECTOR        ((—) RETURN OF DIVERTED OR PUMPED FLOW
  8           K1
              V
              V
 13         RTJ1
              .
              .
 15           .          J1
              .           .
              .           .
 19         CJ1  ............
              V
              V
 21         RTI1
              .
              .
 23           .          I1
              .           .
              .           .
 27         CI1  ............
              V
              V
 29         RTF1
              .
              .
 31           .          F1
              .           .
              .           .
 35           .           .          O
              .           .          .
              .           .          .
 39         CF1  ........................
              V
              V
 41         RTE1
              .
              .
 43           .          E1
              .           .
              .           .
 47           .           .          P
              .           .          .
              .           .          .
 51         CE1  ........................
              V
              V
 53         RTD1
              .
              .
 55           .          D1
              .           .
              .           .
 59           .           .          R
              .           .          .
              .           .          .
 63         CD1  ........................
              V
```

```
65   XN61
       .
       .
67     .        B1
       .         .
       .         .
71     .         .          S
       .         .          .
       .         .          .
75   CX1 .......................
       V
       V
77   RTA1
       .
       .
79     .         K
       .         V
       .         V
83     .      RTJ
       .         .
       .         .
85     .         .          J
       .         .          .
       .         .          .
89     .      CJ  ............
       .         V
       .         V
91     .      RTI
       .         .
       .         .
93     .         .          I
       .         .          .
       .         .          .
97     .      CI  ............
       .         V
       .         V
99     .      RTH
       .         .
       .         .
101    .         .          H
       .         .          .
       .         .          .
105    .      CH  ............
       .         V
       .         V
107    .      RTG
       .         .
       .         .
109    .         .          G
       .         .          .
       .         .          .
113    .      CG  ............
       .         V
       .         V
115    .      RTF
       .         .
       .         .
117    .         .          F
       .         .          .
       .         .          .
121    .      CF  ............
       .         V
       .         V
123    .      RTE
       .         .
```

```
129          CE  ............
                 V
                 V
131          RTD
                 .
                 .
133              .          D
                 .          .
                 .          .
137          CD  ............
                 V
                 V
139          RTC
                 .
                 .
141              .          C
                 .          .
                 .          .
145          CC  ............
                 V
                 V
147          RTB
                 .
                 .
149              .          B
                 .          .
                 .          .
153          CB  ............
                 V
                 V
155          XN61
                 V
                 V
157          RTA
                 .
                 .
159              .          A
                 .          .
                 .          .
163     CA  ......................
            V
            V
165     RTL
            .
            .
167         .          L
            .          .
            .          .
171     CL  ............
            V
            V
173     RTT
            .
            .
175         .          T
            .          .
            .          .
179     CT  ............
            V
            V
181     RTU
            .
```

```
183          .          U
             .          .
             .          .
187     CU   .............
             V
             V
189     RTV
             .
             .
191          .          V
             .          .
             .          .
195     CV   .............
             V
             V
197     RTM
             .
             .
199          .          M
             .          .
             .          .
203     CM   .............
             V
             V
205     RTX
             .
             .
207          .          X
             .          .
             .          .
211     CX   .............
             V
             V
213     RTY
             .
             .
215          .          Y
             .          .
             .          .
219     CY   .............
             V
             V
221     XNG2
             .
             .
223          .          Z
             .          .
             .          .
227          .          .          N
             .          .          .
             .          .          .
231     XNG2 ........................
```

(***) RUNOFF ALSO COMPUTED AT THIS LOCATION

HEC-2 WAGNER WASH

```
1*************************************************
 *  WATER SURFACE PROFILES                       *
 *  VERSION OF NOVEMBER 1976                     *
 *  UPDATED MAY 1984                             *
 *  IBM-PC-XT VERSION                            *
 *  RUN DATE  03/22/87  TIME  14:27:22           *
 *************************************************
```

```
*************************************
 *  U.S. ARMY CORPS OF ENGINEERS
 *  THE HYDROLOGIC ENGINEERING CENTER
 *  609 SECOND STREET, SUITE D
 *  DAVIS, CALIFORNIA 95616
 *  (916) 440-2105 (FTS) 448-2105
*************************************
```

```
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
```

1
03/22/87 14:27:24

THIS RUN EXECUTED 03/22/87 14:27:25

```
*************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION APRIL 1985
*************************************************
```

T1 WAGRD WAGNER WASH FLOODPLAIN ANALYSIS
T2 SUBCRITICAL FLOW
T3

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0.	2.	0.	0.	-1.000000	.00	.0	0.	1428.000	.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	-1.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

J3 VARIABLE CODES FOR SUMMARY PRINTOUT

150.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NC	.045	.045	.035	.100	.300	.000	.000	.000	.000	.000
QT	1.000	9924.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	290.000	39.000	4844.900	5213.400	1080.000	1075.000	1090.000	.000	.000	.000
GR	1431.000	4505.000	1430.000	4529.100	1429.000	4555.100	1428.000	4592.700	1427.300	4680.800
GR	1427.000	4723.400	1427.000	4745.300	1427.000	4772.100	1427.300	4844.900	1427.000	4881.100
GR	1426.000	4906.500	1425.000	4933.500	1424.500	4961.100	1424.000	4981.300	1424.000	5003.100
GR	1424.500	5053.400	1425.000	5070.800	1425.000	5090.800	1425.000	5118.000	1426.000	5129.100
GR	1427.000	5187.400	1427.100	5213.400	1427.000	5233.100	1426.000	5285.700	1427.000	5334.000
GR	1426.300	5396.200	1426.000	5440.300	1426.000	5481.200	1426.000	5517.100	1425.800	5543.000
GR	1426.000	5580.400	1426.000	5617.600	1426.000	5652.600	1426.100	5684.000	1427.000	5712.300
GR	1428.000	5773.700	1428.000	5825.900	1429.000	5851.300	1430.000	5875.100	.000	.000
QT	1.000	9863.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	300.000	35.000	4851.900	5119.300	240.000	1258.000	720.000	.000	.000	.000
GR	1433.000	4005.900	1432.000	4133.900	1432.200	4184.400	1432.000	4220.900	1432.700	4290.900
GR	1432.000	4330.900	1431.000	4366.900	1430.600	4383.900	1431.000	4400.900	1431.300	4423.900
GR	1431.000	4450.900	1430.000	4528.400	1430.200	4585.400	1430.000	4617.800	1430.000	4680.900
GR	1429.800	4710.800	1430.000	4742.000	1430.300	4775.400	1430.000	4811.000	1430.500	4851.900
GR	1430.000	4889.400	1428.000	4897.200	1428.000	4904.400	1428.700	4999.300	1428.200	5084.700
GR	1429.000	5112.000	1430.000	5119.300	1431.000	5223.700	1431.000	5238.400	1432.000	5250.800
GR	1432.500	5321.800	1432.000	5396.900	1431.900	5447.800	1432.000	5488.900	1433.000	5553.900
QT	1.000	9801.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	310.000	34.000	4943.400	5134.300	350.000	300.000	380.000	.000	.000	.000
GR	1435.500	4375.600	1435.000	4410.600	1433.800	4420.600	1434.000	4425.600	1434.300	4490.600
GR	1434.000	4560.600	1434.000	4651.200	1434.000	4681.100	1433.000	4745.000	1432.000	4862.700
GR	1432.000	4915.800	1432.200	4943.400	1432.000	4966.200	1430.000	4973.400	1429.700	4997.500
GR	1430.000	5030.100	1431.000	5108.300	1431.200	5134.300	1431.000	5214.700	1432.000	5259.000
GR	1433.000	5303.200	1433.400	5350.900	1433.000	5392.300	1433.000	5417.200	1432.000	5443.000

GR	1431.000	5451.200	1432.000	5458.500	1433.000	5477.400	1434.000	5532.600	1434.000	5560.400
GR	1430.100	5634.400	1433.200	5667.400	1432.000	5689.400	1435.000	5860.400	.000	.000
QT	1.000	9740.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	320.000	45.000	4850.000	5083.400	803.000	243.000	507.000	.000	.000	.000
GR	1440.000	4440.600	1439.000	4604.900	1438.000	4666.700	1437.000	4782.300	1436.000	4850.000
GR	1435.000	4875.700	1434.000	4886.600	1433.000	4898.000	1432.500	4946.800	1432.100	4998.800
GR	1433.000	5023.800	1434.000	5050.300	1434.500	5083.400	1434.000	5143.100	1434.000	5173.500
GR	1433.300	5214.300	1434.000	5250.500	1435.000	5266.600	1435.200	5326.800	1435.000	5380.800
GR	1434.000	5427.800	1434.000	5474.400	1435.000	5530.200	1436.000	5550.100	1436.500	5589.800
GR	1436.000	5647.800	1435.000	5721.800	1432.800	5760.800	1435.000	5771.800	1435.300	5786.800
GR	1435.000	5799.800	1434.000	5804.800	1435.000	5811.800	1435.000	5829.800	1434.000	5834.800
GR	1435.000	5840.800	1435.000	5875.800	1434.200	5880.800	1435.000	5887.800	1436.200	5904.800
GR	1436.000	5919.800	1435.800	5929.800	1436.000	5939.800	1437.000	5959.800	1440.000	6014.800
QT	1.000	9679.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	330.000	32.000	4212.100	4823.900	960.000	820.000	455.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	1447.000	1447.000	.000
GR	1442.900	4000.000	1439.900	4100.000	1436.500	4212.000	1436.500	4212.100	1436.500	4242.100
GR	1436.500	4242.200	1436.500	4262.200	1436.500	4262.300	1436.500	4292.300	1436.500	4292.400
GR	1434.000	4375.000	1434.000	4375.100	1434.000	4411.100	1434.000	4411.200	1434.000	4426.200
GR	1434.000	4426.300	1434.000	4462.300	1434.000	4462.400	1434.000	4477.400	1434.000	4477.500
GR	1434.000	4513.500	1434.000	4513.600	1435.300	4629.000	1436.500	4743.600	1436.500	4743.700
GR	1436.500	4773.700	1436.500	4773.800	1436.500	4793.800	1436.500	4793.900	1436.500	4823.900
GR	1436.500	4824.000	1445.700	5022.300	.000	.000	.000	.000	.000	.000
NC	.045	.045	.012	.300	.500	.000	.000	.000	.000	.000
X1	332.000	.000	.000	.000	1.000	1.000	1.000	.000	.000	.000
BT	32.000	4000.000	1442.900	1442.900	4100.000	1444.500	1439.900	4212.000	1446.300	1436.500
BT	4212.100	1446.300	1440.500	4242.100	1446.300	1440.500	4242.200	1446.300	1436.500	4262.200
BT	1446.300	1436.500	4262.300	1446.300	1440.500	4292.300	1446.400	1440.500	4292.400	1446.400
BT	1436.500	4375.000	1446.900	1434.000	4375.100	1446.900	1440.000	4411.100	1447.000	1440.000
BT	4411.200	1447.000	1434.000	4426.200	1447.100	1434.000	4426.300	1447.100	1440.000	4462.300
BT	1447.200	1440.000	4462.400	1447.200	1434.000	4477.400	1447.100	1434.000	4477.500	1447.100
BT	1440.000	4513.500	1447.000	1440.000	4513.600	1447.000	1434.000	4629.000	1447.000	1435.300
BT	4743.600	1446.300	1436.500	4743.700	1446.300	1440.500	4773.700	1446.200	1440.500	4773.800
BT	1446.200	1436.500	4793.800	1446.200	1436.500	4793.900	1446.200	1440.500	4823.900	1446.100
BT	1440.500	4824.000	1446.100	1436.500	5022.300	1445.800	1445.800	.000	.000	.000
X1	334.000	32.000	4131.000	4926.200	148.000	148.000	148.000	.000	.000	.000
BT	32.000	4000.000	1442.900	1442.900	4100.000	1442.800	1438.400	4131.000	1442.700	1437.000
BT	4131.100	1442.700	1441.000	4161.100	1442.700	1441.000	4161.200	1442.700	1437.000	4181.200
BT	1442.600	1437.000	4181.300	1442.600	1441.000	4211.300	1442.600	1441.000	4211.400	1442.600
BT	1437.000	4467.300	1443.400	1434.500	4467.400	1443.400	1440.500	4503.400	1443.500	1440.500
BT	4503.500	1443.500	1434.500	4518.500	1443.600	1434.500	4518.600	1443.600	1440.500	4554.600
BT	1443.700	1440.500	4554.700	1443.700	1434.500	4569.700	1443.600	1434.500	4569.800	1443.600
BT	1440.500	4605.800	1443.500	1440.500	4605.900	1443.500	1434.500	4726.000	1443.200	1435.750
BT	4845.900	1442.800	1437.000	4846.000	1442.800	1441.000	4876.000	1442.700	1441.000	4876.100
BT	1442.700	1437.000	4896.100	1442.600	1437.000	4896.200	1442.600	1441.000	4926.200	1442.600
BT	1441.000	4926.300	1442.600	1437.000	5022.300	1442.250	1442.250	.000	.000	.000
GR	1442.900	4000.000	1438.400	4100.000	1437.000	4131.000	1437.000	4131.100	1437.000	4161.100
GR	1437.000	4161.200	1437.000	4181.200	1437.000	4181.300	1437.000	4211.300	1437.000	4211.400
GR	1434.500	4467.300	1434.500	4467.400	1434.500	4503.400	1434.500	4503.500	1434.500	4518.500
GR	1434.500	4518.600	1434.500	4554.600	1434.500	4554.700	1434.500	4569.700	1434.500	4569.800

1

GR	1434.500	4605.800	1434.500	4605.900	1435.750	4726.000	1437.000	4845.900	1437.000	4846.000
GR	1437.000	4876.000	1437.000	4876.100	1437.000	4896.100	1437.000	4896.200	1437.000	4926.200
GR	1437.000	4926.300	1442.250	5022.300	.000	.000	.000	.000	.000	.000
NC	.045	.045	.035	.100	.300	.000	.000	.000	.000	.000
X1	336.000	32.000	4131.000	4926.300	1.000	1.000	1.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	1447.000	1447.000	.000
GR	1442.900	4000.000	1438.400	4100.000	1437.000	4131.000	1437.000	4131.100	1437.000	4161.100
GR	1437.000	4161.200	1437.000	4181.200	1437.000	4181.300	1437.000	4211.300	1437.000	4211.400
GR	1434.500	4467.300	1434.500	4467.400	1434.500	4503.400	1434.500	4503.500	1434.500	4518.500
GR	1434.500	4518.600	1434.500	4554.600	1434.500	4554.700	1434.500	4569.700	1434.500	4569.800
GR	1434.500	4605.800	1434.500	4605.900	1435.750	4726.000	1437.000	4845.900	1437.000	4846.000
GR	1437.000	4876.000	1437.000	4876.100	1437.000	4896.100	1437.000	4896.200	1437.000	4926.200
GR	1437.000	4926.300	1442.250	5022.300	.000	.000	.000	.000	.000	.000
QT	1.000	9368.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	340.000	22.000	4927.600	5096.400	594.000	560.000	577.000	.000	.000	.000
GR	1445.000	4517.600	1444.000	4603.200	1443.000	4661.300	1442.000	4797.000	1441.000	4851.800
GR	1440.000	4872.300	1441.300	4927.600	1441.000	4939.700	1439.000	4952.600	1438.500	4997.100
GR	1439.000	5034.600	1440.000	5054.300	1441.000	5063.700	1442.000	5074.600	1442.200	5096.400
GR	1442.000	5121.800	1441.500	5207.800	1441.200	5274.700	1442.000	5365.200	1443.000	5400.800
GR	1444.000	5487.600	1445.000	5572.000	.000	.000	.000	.000	.000	.000

QT	1.000	9056.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	350.000	26.000	4930.800	5116.100	752.000	958.000	855.000	.000	.000	.000
GR	1450.000	4393.700	1449.000	4495.900	1448.000	4602.200	1447.000	4717.500	1446.000	4874.500
GR	1445.000	4884.700	1445.000	4895.500	1446.000	4911.300	1446.200	4930.800	1446.000	4946.300
GR	1444.000	4957.600	1443.000	4996.900	1445.000	5009.200	1446.000	5070.900	1446.200	5116.100
GR	1446.000	5150.100	1444.500	5163.500	1445.000	5170.700	1446.000	5196.600	1445.000	5219.600
GR	1445.000	5240.500	1446.000	5267.300	1447.000	5331.000	1448.000	5420.500	1449.000	5495.400
GR	1450.000	5515.400	.000	.000	.000	.000	.000	.000	.000	.000
QT	1.000	8745.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	360.000	35.000	4949.800	5088.400	780.000	720.000	723.000	.000	.000	.000
GR	1455.000	4632.000	1454.000	4673.600	1453.000	4696.800	1453.000	4728.000	1453.300	4765.200
GR	1453.000	4793.600	1452.000	4821.900	1451.000	4862.100	1450.000	4911.400	1449.900	4927.800
GR	1450.000	4941.600	1450.100	4949.800	1450.000	4958.500	1448.000	4970.100	1447.700	4997.500
GR	1448.000	5032.000	1449.000	5060.000	1450.000	5072.700	1450.200	5088.400	1450.000	5101.700
GR	1450.000	5115.200	1450.100	5134.800	1450.000	5146.900	1450.000	5168.200	1451.000	5194.000
GR	1452.000	5202.600	1453.000	5213.000	1453.800	5237.100	1453.500	5288.800	1453.000	5337.000
GR	1453.000	5373.800	1454.000	5470.600	1454.500	5534.000	1454.300	5611.900	1455.000	5665.700
QT	1.000	8433.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	370.000	38.000	4911.300	5094.700	705.000	350.000	512.000	.000	.000	.000
GR	1460.000	4365.400	1459.000	4421.300	1458.000	4464.900	1457.000	4481.100	1458.000	4508.200
GR	1457.000	4534.400	1458.000	4558.300	1457.000	4599.800	1457.000	4625.600	1456.000	4703.100
GR	1455.000	4780.900	1454.000	4820.900	1454.100	4868.700	1454.000	4911.300	1453.000	4966.100
GR	1452.000	4979.500	1451.000	4986.300	1450.000	5001.000	1451.000	5036.400	1452.000	5057.600
GR	1453.000	5072.200	1453.300	5094.700	1453.000	5117.700	1453.000	5131.200	1453.200	5147.900
GR	1453.000	5162.200	1452.200	5171.600	1453.000	5182.800	1454.000	5243.500	1453.000	5272.300
GR	1454.000	5310.700	1455.000	5334.800	1456.000	5373.400	1457.000	5460.300	1458.000	5503.300
GR	1458.700	5561.900	1459.000	5615.500	1460.000	5648.600	.000	.000	.000	.000

1

QT	1.000	8122.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	380.000	37.000	4918.100	5025.200	743.000	503.000	600.000	.000	.000	.000
GR	1460.000	4497.800	1459.000	4595.600	1458.000	4666.300	1457.000	4721.800	1456.000	4752.800
GR	1456.100	4781.200	1456.000	4800.000	1455.000	4820.600	1455.400	4838.700	1455.000	4853.400
GR	1455.000	4868.000	1456.000	4882.200	1456.600	4918.100	1456.000	4955.700	1455.000	4964.800
GR	1453.000	4976.200	1452.400	4996.400	1453.000	5007.000	1455.000	5016.300	1455.800	5025.200
GR	1455.000	5035.800	1454.900	5046.400	1455.000	5055.200	1456.000	5067.200	1457.000	5086.300
GR	1458.000	5100.600	1458.100	5121.400	1458.000	5148.400	1457.500	5201.800	1458.000	5248.700
GR	1458.100	5274.700	1458.000	5301.500	1457.900	5315.100	1458.000	5329.800	1459.000	5345.600
GR	1460.000	5365.000	1461.000	5386.700	.000	.000	.000	.000	.000	.000
QT	1.000	7810.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	390.000	20.000	4949.500	5047.600	718.000	905.000	808.000	.000	.000	.000
GR	1463.000	4643.600	1462.000	4683.600	1461.000	4740.900	1460.000	4812.600	1461.000	4843.900
GR	1460.000	4912.900	1460.000	4932.100	1460.600	4949.500	1460.000	4966.100	1458.000	4976.800
GR	1457.000	4985.500	1456.500	5001.600	1457.000	5015.100	1460.000	5030.700	1460.200	5047.600
GR	1460.000	5067.200	1460.000	5094.900	1461.000	5201.200	1462.000	5258.900	1463.000	5318.900
QT	1.000	7499.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	400.000	25.000	4921.700	5054.800	437.000	640.000	520.000	.000	.000	.000
GR	1466.000	4585.200	1465.000	4695.400	1464.600	4725.600	1465.000	4754.100	1465.200	4777.800
GR	1465.000	4799.300	1464.000	4834.000	1463.000	4870.400	1463.500	4921.700	1463.000	4955.700
GR	1460.000	4979.200	1460.000	5019.000	1461.000	5031.000	1461.600	5054.800	1461.000	5082.500
GR	1461.000	5097.100	1462.000	5115.900	1461.000	5138.300	1461.000	5160.700	1462.000	5187.200
GR	1463.000	5256.500	1464.000	5305.700	1465.000	5365.200	1466.000	5416.100	1467.000	5459.900
QT	1.000	7187.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	410.000	36.000	4935.700	5056.800	375.000	622.000	420.000	.000	.000	.000
GR	1468.000	4715.900	1467.000	4809.200	1466.600	4847.100	1467.000	4896.800	1467.500	4935.700
GR	1467.000	4964.400	1463.000	4982.200	1462.100	5001.800	1463.000	5023.000	1464.000	5041.400
GR	1464.200	5056.800	1464.000	5074.800	1465.000	5089.100	1465.200	5103.200	1465.100	5141.800
GR	1465.000	5154.400	1464.000	5168.600	1463.000	5184.200	1464.000	5216.100	1465.000	5247.600
GR	1466.000	5271.600	1466.200	5287.700	1466.000	5310.700	1465.900	5334.500	1466.000	5361.300
GR	1466.300	5396.700	1466.000	5430.200	1465.200	5479.000	1466.000	5548.300	1466.700	5607.800
GR	1467.000	5661.800	1468.000	5801.800	1467.500	5847.800	1468.000	5909.800	1469.000	5925.800
GR	1470.000	6016.800	.000	.000	.000	.000	.000	.000	.000	.000
QT	1.000	6876.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	420.000	27.000	4950.800	5052.100	735.000	698.000	666.000	.000	.000	.000
GR	1473.000	4580.800	1472.000	4663.900	1471.000	4795.400	1470.000	4901.700	1469.000	4924.600
GR	1468.000	4932.800	1466.000	4942.100	1467.100	4950.800	1466.000	4962.500	1465.000	4986.400
GR	1465.000	5003.700	1466.000	5011.100	1467.000	5020.700	1468.000	5052.100	1468.800	5107.100
GR	1468.000	5161.400	1467.000	5203.100	1468.000	5217.600	1469.000	5245.000	1468.000	5274.800
GR	1468.500	5310.500	1468.000	5346.700	1467.000	5365.200	1468.000	5382.300	1469.000	5441.400
GR	1470.000	5531.300	1471.000	5586.300	.000	.000	.000	.000	.000	.000

QT	1.000	6564.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	430.000	32.000	4877.400	5043.700	780.000	417.000	638.000	.000	.000	.000
GR	1475.000	4483.100	1474.000	4530.900	1473.000	4621.700	1473.100	4652.800	1473.000	4670.700
GR	1472.000	4686.900	1471.700	4719.800	1472.000	4752.600	1471.000	4780.900	1470.700	4806.300
GR	1471.000	4832.500	1471.500	4877.400	1471.000	4939.700	1470.000	4955.400	1469.000	4963.000
GR	1468.100	4998.400	1469.000	5007.900	1470.000	5014.300	1471.000	5020.100	1472.000	5024.400
GR	1473.000	5043.700	1474.000	5089.200	1474.100	5155.600	1474.000	5201.400	1473.600	5287.300

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GR	1474.000	5372.300	1474.700	5423.500	1474.000	5456.000	1473.000	5487.500	1473.000	5499.500
GR	1474.000	5566.300	1475.000	5632.600	.000	.000	.000	.000	.000	.000
QT	1.000	6253.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	440.000	36.000	4935.200	5059.000	383.000	778.000	458.000	.000	.000	.000
GR	1480.000	4160.300	1479.000	4226.600	1478.000	4315.700	1477.000	4441.500	1476.000	4526.800
GR	1475.000	4584.200	1474.900	4603.700	1475.000	4629.900	1474.000	4698.100	1474.400	4744.900
GR	1474.000	4789.400	1473.800	4798.900	1474.000	4808.900	1474.000	4823.700	1473.600	4840.900
GR	1474.000	4875.500	1474.400	4935.200	1474.000	4956.600	1470.000	4970.300	1470.000	5004.000
GR	1471.000	5025.800	1472.000	5031.100	1473.000	5059.000	1473.000	5071.000	1474.000	5110.500
GR	1475.000	5128.600	1476.000	5138.800	1476.700	5149.400	1476.000	5162.800	1475.000	5175.400
GR	1475.000	5189.200	1476.000	5221.400	1477.000	5264.600	1478.000	5311.400	1479.000	5346.100
GR	1480.000	5435.400	.000	.000	.000	.000	.000	.000	.000	.000
QT	1.000	5941.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	450.000	42.000	4972.800	5086.200	330.000	730.000	615.000	.000	.000	.000
GR	1480.000	4440.600	1479.000	4606.600	1478.700	4614.800	1479.000	4622.000	1479.200	4633.400
GR	1479.000	4646.000	1478.800	4662.800	1479.000	4683.100	1478.000	4783.300	1478.000	4803.100
GR	1478.000	4827.600	1478.200	4854.200	1478.000	4881.100	1477.800	4906.600	1477.000	4933.100
GR	1476.000	4972.800	1473.000	4982.400	1472.500	4996.700	1473.000	5005.500	1474.000	5074.800
GR	1475.000	5081.000	1476.000	5086.200	1477.000	5107.600	1477.000	5132.900	1476.000	5141.200
GR	1475.000	5148.200	1475.000	5155.500	1476.000	5193.200	1477.000	5222.500	1477.000	5241.800
GR	1476.800	5263.700	1477.000	5297.700	1476.000	5301.900	1476.000	5314.400	1475.800	5331.100
GR	1476.000	5337.600	1477.000	5354.300	1478.000	5371.400	1478.800	5418.200	1478.500	5438.500
GR	1479.000	5470.500	1480.000	5526.100	.000	.000	.000	.000	.000	.000
QT	1.000	5630.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	460.000	22.000	4873.500	5040.400	810.000	338.000	590.000	.000	.000	.000
GR	1481.000	4697.000	1480.000	4714.100	1479.000	4732.800	1478.700	4785.700	1479.000	4833.100
GR	1479.200	4873.500	1479.000	4908.900	1477.000	4921.100	1477.000	4926.100	1477.300	4954.300
GR	1477.000	4971.800	1476.000	4986.100	1475.700	5002.000	1476.000	5031.400	1479.000	5040.400
GR	1479.800	5080.600	1480.000	5139.900	1478.800	5167.700	1479.000	5190.600	1479.100	5249.300
GR	1480.000	5377.700	1481.000	5447.000	.000	.000	.000	.000	.000	.000
QT	1.000	5318.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	470.000	24.000	4951.600	5030.100	610.000	385.000	517.000	.000	.000	.000
GR	1483.000	4719.400	1482.000	4811.100	1481.000	4838.000	1480.000	4854.000	1479.000	4860.500
GR	1478.000	4865.000	1477.400	4880.800	1478.000	4894.800	1479.000	4900.900	1480.000	4929.800
GR	1481.000	4941.600	1480.000	4951.600	1479.000	4957.600	1478.000	4963.800	1477.900	4990.300
GR	1477.400	5000.600	1478.000	5013.000	1482.000	5030.100	1482.200	5070.600	1482.000	5109.700
GR	1481.600	5199.900	1481.800	5257.400	1482.000	5324.300	1483.000	5394.200	.000	.000
QT	1.000	5007.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	480.000	17.000	4948.800	5022.400	480.000	555.000	493.000	.000	.000	.000
GR	1486.000	4667.000	1485.000	4721.000	1485.000	4743.900	1484.400	4753.900	1485.000	4766.200
GR	1484.000	4897.900	1483.900	4917.500	1484.000	4935.300	1484.300	4948.800	1484.000	4957.300
GR	1480.000	4968.500	1479.600	4997.000	1480.000	5010.200	1483.000	5022.400	1484.000	5096.600
GR	1485.000	5162.900	1486.000	5207.000	.000	.000	.000	.000	.000	.000

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QT	1.000	4695.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	490.000	21.000	4865.600	5014.100	430.000	378.000	387.000	.000	.000	.000
GR	1490.000	4604.700	1489.000	4671.200	1488.000	4733.300	1487.000	4770.200	1486.800	4793.200
GR	1487.000	4819.900	1487.000	4846.100	1486.000	4865.600	1485.400	4889.000	1486.000	4913.100
GR	1486.000	4952.100	1482.000	4962.200	1481.000	4998.900	1481.000	5002.700	1484.000	5014.100
GR	1485.000	5052.400	1486.000	5118.000	1487.000	5174.900	1488.000	5197.300	1489.000	5219.100
GR	1490.000	5247.300	.000	.000	.000	.000	.000	.000	.000	.000
QT	1.000	4384.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	500.000	18.000	4933.200	5017.700	505.000	325.000	398.000	.000	.000	.000
GR	1491.000	4682.400	1490.000	4817.800	1489.000	4845.000	1488.000	4878.700	1487.900	4888.500
GR	1488.000	4896.500	1488.100	4913.900	1488.000	4933.200	1484.000	4952.200	1483.000	4989.800
GR	1482.700	4999.200	1485.000	5008.700	1486.000	5017.700	1487.000	5039.900	1488.000	5100.800
GR	1489.000	5191.300	1490.000	5214.200	1491.000	5244.000	.000	.000	.000	.000

QT	1.000	4072.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	510.000	31.000	4949.000	5029.900	180.000	595.000	410.000	.000	.000	.000
GR	1492.000	4579.600	1491.000	4710.200	1490.000	4746.800	1488.200	4757.400	1490.000	4765.700
GR	1490.200	4791.700	1490.400	4821.000	1490.000	4850.300	1489.000	4893.200	1488.900	4900.100
GR	1489.000	4907.700	1490.000	4940.900	1490.100	4949.000	1490.000	4959.900	1485.000	4977.100
GR	1484.600	5002.300	1485.000	5018.300	1489.000	5029.900	1490.000	5128.900	1490.400	5169.700
GR	1490.000	5197.100	1489.600	5207.400	1490.000	5218.100	1491.000	5236.500	1491.000	5257.800
GR	1490.000	5269.700	1489.800	5276.400	1490.000	5282.400	1491.000	5294.300	1491.000	5326.100
GR	1492.000	5345.100	.000	.000	.000	.000	.000	.000	.000	.000
QT	1.000	3761.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	520.000	39.000	4979.300	5054.100	275.000	810.000	467.000	.000	.000	.000
GR	1495.000	4401.800	1494.000	4450.800	1493.700	4460.800	1494.000	4468.600	1494.400	4499.200
GR	1494.000	4517.000	1493.700	4527.100	1494.000	4534.300	1494.400	4573.100	1494.000	4592.800
GR	1493.300	4613.400	1494.000	4636.400	1494.400	4679.900	1494.000	4716.100	1493.800	4728.500
GR	1494.000	4741.000	1494.000	4792.100	1494.100	4816.700	1494.000	4840.600	1494.000	4864.500
GR	1494.300	4893.700	1494.000	4933.500	1493.000	4959.900	1492.000	4979.300	1487.000	4995.300
GR	1486.900	5002.800	1487.000	5009.300	1488.000	5037.200	1491.000	5054.100	1492.000	5091.100
GR	1493.000	5225.600	1493.700	5343.800	1493.500	5401.500	1494.000	5444.200	1494.600	5556.300
GR	1494.000	5656.200	1493.800	5671.600	1494.000	5688.000	1495.000	5726.000	.000	.000
QT	1.000	3449.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	530.000	22.000	4969.900	5026.100	720.000	480.000	378.000	.000	.000	.000
GR	1496.000	4698.100	1495.000	4813.700	1494.000	4837.300	1492.600	4849.300	1494.000	4863.900
GR	1494.000	4876.000	1493.300	4891.500	1494.000	4905.900	1494.400	4929.800	1494.000	4953.600
GR	1493.000	4969.900	1489.000	4987.000	1488.400	4998.100	1489.000	5008.900	1493.000	5026.100
GR	1493.500	5056.800	1493.000	5101.000	1492.400	5111.500	1493.000	5120.900	1494.000	5171.900
GR	1495.000	5207.900	1496.000	5241.100	.000	.000	.000	.000	.000	.000
QT	1.000	3138.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	540.000	21.000	4953.600	5040.800	475.000	400.000	433.000	.000	.000	.000
GR	1499.000	4719.300	1498.000	4755.000	1497.000	4830.100	1496.500	4887.000	1497.000	4942.100
GR	1497.000	4948.600	1496.000	4953.600	1491.000	4968.700	1490.500	4999.100	1491.000	5013.900
GR	1495.000	5040.800	1496.000	5058.600	1496.000	5083.200	1495.000	5097.200	1494.600	5109.500
GR	1495.000	5122.700	1496.000	5145.500	1496.000	5164.400	1497.000	5207.500	1498.000	5236.900
GR	1499.000	5274.600	.000	.000	.000	.000	.000	.000	.000	.000

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QT	1.000	2515.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	550.000	10.000	283.100	355.100	500.000	180.000	340.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	1500.000	1500.000	.000
GR	1500.600	100.000	1498.000	177.000	1497.000	270.000	1491.900	283.000	1491.900	283.100
GR	1491.900	319.100	1491.900	355.100	1491.900	355.200	1498.500	395.000	1499.300	535.300
NC	.045	.045	.012	.300	.500	.000	.000	.000	.000	.000
X1	551.000	.000	.000	.000	1.000	1.000	1.000	.000	.000	.000
BT	10.000	100.000	1500.600	1500.600	177.000	1500.400	1498.000	270.000	1500.100	1497.000
BT	283.000	1500.000	1491.900	283.100	1500.000	1495.900	319.100	1499.900	1495.900	355.100
BT	1499.800	1495.900	355.200	1499.800	1491.900	395.000	1499.700	1498.500	535.300	1499.300
BT	1499.300	.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	552.000	10.000	283.100	355.100	148.000	148.000	148.000	.000	.000	.000
BT	10.000	100.000	1500.600	1500.600	177.000	1500.400	1498.000	270.000	1500.100	1497.000
BT	283.000	1500.000	1493.100	283.100	1500.000	1497.100	319.100	1499.900	1497.100	355.100
BT	1499.800	1497.100	355.200	1499.800	1493.100	395.000	1499.700	1498.500	535.300	1499.300
BT	1499.300	.000	.000	.000	.000	.000	.000	.000	.000	.000
GR	1500.600	100.000	1498.000	177.000	1497.000	270.000	1493.100	283.000	1493.100	283.100
GR	1493.100	319.100	1493.100	355.100	1493.100	355.200	1498.500	395.000	1499.300	535.300
NC	.045	.045	.035	.100	.300	.000	.000	.000	.000	.000
X1	553.000	10.000	283.100	355.100	1.000	1.000	1.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	1500.000	1500.000	.000
GR	1500.600	100.000	1498.000	177.000	1497.000	270.000	1493.100	283.000	1493.100	283.100
GR	1493.100	319.100	1493.100	355.100	1493.100	355.200	1498.500	395.000	1499.300	535.300
X1	560.000	13.000	4954.100	5032.900	80.000	415.000	290.000	.000	.000	.000
GR	1500.000	4765.900	1499.000	4842.900	1498.000	4858.600	1498.800	4878.400	1498.400	4893.000
GR	1499.000	4905.700	1499.700	4931.800	1499.000	4954.100	1495.000	4968.300	1494.200	4996.400
GR	1495.000	5012.600	1499.000	5032.900	1500.000	5145.200	.000	.000	.000	.000
QT	1.000	2432.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	570.000	16.000	4941.100	5011.900	553.000	530.000	503.000	.000	.000	.000
GR	1504.000	4914.500	1503.000	4925.100	1502.000	4941.100	1498.000	4961.900	1497.000	4972.700
GR	1496.000	4979.000	1495.700	4994.300	1496.000	5002.100	1500.000	5011.900	1501.000	5148.500
GR	1502.000	5212.100	1503.000	5285.200	1503.300	5322.900	1503.000	5393.500	1503.000	5400.200
GR	1504.000	5460.100	.000	.000	.000	.000	.000	.000	.000	.000

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QT      1.000   2350.000      .000      .000      .000      .000      .000      .000      .000      .000
X1    580.000     23.000   4975.400  5017.300   620.000   393.000   512.000      .000      .000      .000
GR   1505.000   4689.500   1504.000  4698.100  1503.400  4703.800  1504.000  4709.600  1504.600  4755.300
GR   1504.000   4803.900   1503.000  4832.400  1502.000  4842.200  1503.000  4849.200  1504.000  4899.800
GR   1504.200   4927.800   1504.000  4975.400  1503.000  4984.200  1498.000  4991.800  1497.300  5000.800
GR   1498.000   5013.200   1501.000  5017.300  1502.000  5108.300  1502.000  5114.000  1503.000  5121.200
GR   1503.000   5130.800   1504.000  5150.800  1505.000  5257.800      .000      .000      .000      .000

QT      1.000   2267.000      .000      .000      .000      .000      .000      .000      .000      .000
X1    590.000     14.000   4971.200  5048.900   364.000   485.000   367.000      .000      .000      .000
GR   1506.000   4971.200   1499.000  4982.200  1498.600  4994.500  1499.000  5007.000  1500.000  5023.400
GR   1501.000   5031.000   1502.000  5041.700  1504.000  5048.900  1504.200  5072.900  1504.000  5097.900
GR   1503.600   5113.400   1504.000  5134.100  1505.000  5162.900  1506.000  5196.900      .000      .000
1
 03/22/87    14:27:24                                                                          PAGE    8


QT      1.000   2184.000      .000      .000      .000      .000      .000      .000      .000      .000
X1    600.000     11.000   4980.500  5019.000   332.000   375.000   347.000      .000      .000      .000
GR   1508.000   4815.100   1507.000  4966.600  1506.000  4980.500  1505.000  4987.100  1501.000  4993.400
GR   1500.200   5003.100   1501.000  5013.600  1505.000  5019.000  1506.000  5060.000  1507.000  5116.500
GR   1508.000   5218.100      .000      .000      .000      .000      .000      .000      .000      .000
EJ       .000       .000      .000      .000      .000      .000      .000      .000      .000      .000
1
 03/22/87    14:27:24                                                                          PAGE    9

   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   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 290.000
3720 CRITICAL DEPTH ASSUMED
   290.00      3.73  1427.73  1427.73  1428.00  1428.41      .68      .00      .00  1427.30
    9924.       278.    6217.    3429.     114.     817.     751.       0.       0.   1427.10
      .00      2.43     7.61     4.57     .045     .035     .045     .000  1424.00  4626.58
  .011138     1080.    1090.    1075.        0        9        0      .00  1130.59  5757.17
0
*SECNO 300.000

3265 DIVIDED FLOW

   300.00      4.37  1432.37      .00      .00  1432.75      .39     4.32      .03  1430.50
    9863.     3326.    5835.     703.    1073.     976.     287.      33.      21.   1430.00
      .04      3.10     5.98     2.45     .045     .035     .045     .000  1428.00  4087.31
  .003536      240.     720.    1258.        1        0        0      .00  1332.73  5512.56
0
*SECNO 310.000

3265 DIVIDED FLOW

   310.00      4.21  1433.91      .00      .00  1434.47      .56     1.66      .05  1432.20
    9801.     1208.    4801.    3792.     343.     632.     948.      50.      30.   1431.20
      .06      3.52     7.60     4.00     .045     .035     .045     .000  1429.70  4419.70
  .006507      350.     380.     300.        3        0        0      .00  1080.14  5798.15
0
*SECNO 320.000

3265 DIVIDED FLOW

   320.00      4.33  1436.43      .00      .00  1436.86      .43     2.38      .01  1436.00
    9740.        5.    4695.    5039.       6.     719.    1351.      68.      39.   1434.50
      .08       .86     6.53     3.73     .045     .035     .045     .000  1432.10  4821.16
  .005293      803.     507.     243.        2        0        0      .00  1112.71  5948.32
0
1
 03/22/87    14:27:24                                                                          PAGE   10

   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST
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*SECNO 330.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     1447.00 ELREA=     1447.00

   330.00     4.54  1438.54      .00      .00  1438.91      .37     2.05      .01  1436.50
    9679.       0.    9679.       0.       0.    1981.       0.      94.      52.   1436.50
      .11      .00     4.88      .00     .045     .035     .045     .000  1434.00  4212.10
  .002763     960.     455.     820.        4        0        0      .00   611.80  4823.90
0
 CCHV=    .300 CEHV=    .500
 *SECNO 332.000

 3301 HV CHANGED MORE THAN HVINS


 3370 NORMAL BRIDGE,NRD= 32 MIN ELTRD= 1442.90 MAX ELLC= 1445.80

 3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
   332.00     5.11  1439.11  1439.11      .00  1441.04     1.94      .00      .78  1436.50
    9679.       0.    9679.       0.       0.     867.       1.      94.      52.   1436.50
      .11      .22    11.17      .05     .045     .012     .045     .000  1434.00  4126.18
  .001763       1.       1.       1.       20       21        0 -1643.45   753.98  4880.16
0
 *SECNO 334.000

 3370 NORMAL BRIDGE,NRD= 32 MIN ELTRD= 1442.25 MAX ELLC= 1442.90

 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
   334.00     5.10  1439.60  1439.60      .00  1441.54     1.94      .26      .00  1437.00
    9679.       0.    9679.       0.       0.     867.       0.      97.      55.   1437.00
      .12      .00    11.17      .22     .045     .012     .045     .000  1434.50  4073.24
  .001787     148.     148.     148.        2       23        0 -2307.71   900.67  4973.92
0
 CCHV=    .100 CEHV=    .300
 *SECNO 336.000
1
  03/22/87    14:27:24                                                                  PAGE   11

    SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        QLOSS     BANK ELEV
    Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA     LEFT/RIGHT
    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


 3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     1447.00 ELREA=     1447.00

   336.00     7.16  1441.66      .00      .00  1441.73      .07      .00      .19  1437.00
    9679.       0.    9679.       0.       0.    4673.       0.      97.      55.   1437.00
      .12      .00     2.07      .00     .045     .035     .045     .000  1434.50  4131.00
  .000224       1.       1.       1.        3        0        0      .00   795.30  4926.30
0
 *SECNO 340.000

 3301 HV CHANGED MORE THAN HVINS

 3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
   340.00     4.74  1443.24  1443.24      .00  1444.17      .93      .38      .26  1441.30
    9368.    1934.    5436.    1999.     397.     579.     461.     138.      65.   1442.20
      .14     4.87     9.39     4.33     .045     .035     .045     .000  1438.50  4647.29
  .009489     594.     577.     560.       20       23        0      .00   774.43  5421.73
0
 *SECNO 350.000

 3301 HV CHANGED MORE THAN HVINS

   350.00     5.70  1448.70      .00      .00  1449.06      .36     4.83      .06  1446.20
    9056.    2256.    3951.    2849.     685.     660.     750.     173.      82.   1446.20
      .19     3.29     5.99     3.80     .045     .035     .045     .000  1443.00  4527.39
  .003665     752.     855.     958.        5        0        0      .00   945.82  5473.21
0
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*SECNO 360.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
   360.00      4.89  1452.59  1452.59      .00  1453.91     1.32     4.12      .29  1450.10
    8745.     1344.     5822.     1579.     253.      551.     269.     200.      94.   1450.20
      .21      5.31     10.57      5.86     .045      .035     .045     .000  1447.70  4805.08
  .009878      780.      723.      720.        2        11        0      .00   403.71  5208.78
0
1
 03/22/87    14:27:24                                                                          PAGE   12

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

*SECNO 370.000

3301 HV CHANGED MORE THAN HVINS

   370.00      6.27  1456.27      .00      .00  1456.70      .44     2.70      .09  1454.00
    8433.      953.     4735.     2745.     334.      750.     719.     216.     100.   1453.30
      .24      2.85      6.31      3.82     .045      .035     .045     .000  1450.00  4682.22
  .003386      705.      512.      350.        3         0        0      .00   714.59  5396.81
0
*SECNO 380.000
   380.00      6.34  1458.74      .00      .00  1459.35      .61     2.60      .05  1456.60
    8122.     3112.     3501.     1510.     657.      436.     405.     239.     110.   1455.80
      .27      4.73      8.04      3.72     .045      .035     .045     .000  1452.40  4613.59
  .005550      743.      600.      503.        3         0        0      .00   727.98  5341.58
0
*SECNO 390.000
   390.00      6.42  1462.92      .00      .00  1463.48      .56     4.13      .00  1460.60
    7810.     2439.     3405.     1966.     616.      432.     501.     267.     123.   1460.20
      .31      3.96      7.89      3.93     .045      .035     .045     .000  1456.50  4646.81
  .004818      718.      808.      905.        3         0        0      .00   667.28  5314.09
0
*SECNO 400.000
   400.00      5.31  1465.31      .00      .00  1465.71      .40     2.21      .02  1463.50
    7499.      612.     3236.     3652.     244.      524.     863.     287.     132.   1461.60
      .34      2.50      6.17      4.23     .045      .035     .045     .000  1460.00  4661.30
  .003411      437.      520.      640.        2         0        0      .00   719.65  5380.95
0
*SECNO 410.000

3265 DIVIDED FLOW

   410.00      5.38  1467.48      .00      .00  1467.84      .36     2.13      .00  1467.50
    7187.      123.     2371.     4693.      79.      377.    1194.     307.     142.   1464.20
      .37      1.55      6.28      3.93     .045      .035     .045     .000  1462.10  4764.30
  .004785      375.      420.      622.        2         0        0      .00   962.32  5729.17
0
*SECNO 420.000
   420.00      5.46  1470.46      .00      .00  1470.90      .45     3.03      .03  1467.10
    6876.      435.     3002.     3438.     115.      426.     974.     333.     156.   1468.00
      .41      3.78      7.05      3.53     .045      .035     .045     .000  1465.00  4853.18
  .004069      735.      666.      698.        2         0        0      .00   703.22  5556.40
0
1
 03/22/87    14:27:24                                                                          PAGE   13

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

*SECNO 430.000

3265 DIVIDED FLOW

   430.00      5.48  1473.58      .00      .00  1474.37      .79     3.36      .10  1471.50
    6564.     2246.     4272.      45.     476.      524.      31.     350.     164.   1473.00
      .43      4.72      8.16      1.46     .045      .035     .045     .000  1468.10  4569.23
  .008023      780.      638.      417.        2         0        0      .00   569.57  5538.10
0
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*SECNO 440.000

3265 DIVIDED FLOW

   440.00     6.16  1476.16      .00      .00  1476.59      .43     2.19      .04  1474.40
    6253.     1961.    3605.     686.     700.     556.     226.     363.     171.   1473.00
      .46     2.80     6.48     3.04     .045     .035     .045     .000  1470.00  4513.59
  .003170     383.     458.     778.        2        0        0      .00   695.82  5228.09
0
*SECNO 450.000

3265 DIVIDED FLOW

   450.00     5.66  1478.16      .00      .00  1478.85      .69     2.18      .08  1476.00
    5941.     252.    4046.    1643.     104.     519.     487.     379.     179.   1476.00
      .48     2.43     7.79     3.37     .045     .035     .045     .000  1472.50  4767.59
  .004466     330.     615.     730.        3        0        0      .00   601.41  5380.57
0
*SECNO 460.000
   460.00     5.06  1480.76      .00      .00  1481.18      .42     2.30      .03  1479.20
    5630.     867.    3614.    1149.     288.     590.     464.     394.     187.   1479.00
      .52     3.01     6.13     2.48     .045     .035     .045     .000  1475.70  4701.02
  .003892     810.     590.     338.        2        0        0      .00   729.68  5430.70
0
*SECNO 470.000
   470.00     5.40  1482.80      .00      .00  1483.34      .55     2.13      .04  1480.00
    5318.    2242.    2486.     589.     467.     340.     294.     408.     194.   1482.00
      .54     4.80     7.32     2.00     .045     .035     .045     .000  1477.40  4737.06
  .004259     610.     517.     385.        1        0        0      .00   643.67  5380.74
0
1
  03/22/87    14:27:24                                                                  PAGE   14

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

*SECNO 480.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
   480.00     6.14  1485.74  1485.74      .00  1486.59      .85     2.41      .09  1484.30
    5007.     887.    3173.     947.     306.     355.     260.     420.     201.   1483.00
      .56     2.90     8.95     3.64     .045     .035     .045     .000  1479.60  4681.22
  .005564     480.     493.     555.        4        8        0      .00   514.17  5195.39
0
*SECNO 490.000
   490.00     6.90  1487.90      .00      .00  1488.31      .41     1.68      .04  1486.00
    4695.     222.    3157.    1316.     116.     541.     377.     429.     205.   1484.00
      .58     1.91     5.83     3.49     .045     .035     .045     .000  1481.00  4736.87
  .003403     430.     387.     378.        2        0        0      .00   458.26  5195.13
0
*SECNO 500.000

3301 HV CHANGED MORE THAN HVINS

   500.00     6.40  1489.10  1488.93      .00  1490.06      .96     1.58      .16  1488.00
    4384.     181.    3541.     662.      79.     411.     210.     437.     209.   1486.00
      .60     2.27     8.62     3.16     .045     .035     .045     .000  1482.70  4842.24
  .005074     505.     398.     325.        6       12        0      .00   351.38  5193.62
0
*SECNO 510.000

3301 HV CHANGED MORE THAN HVINS

   510.00     6.65  1491.25      .00      .00  1491.69      .44     1.57      .05  1490.10
    4072.     789.    2543.     740.     336.     392.     337.     445.     214.   1489.00
      .62     2.35     6.48     2.19     .045     .035     .045     .000  1484.60  4677.82
  .002902     180.     410.     595.        3        0        0      .00   652.99  5330.81
0
*SECNO 520.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
   520.00     6.24  1493.14  1493.14      .00  1494.34     1.20     1.96      .23  1492.00
    3761.      23.    3363.     374.      13.     364.     148.     455.     220.   1491.00
      .64     1.84     9.25     2.53     .045     .035     .045     .000  1486.90  4956.27
  .005873     275.     467.     810.        3       11        0      .00   292.54  5248.81
0
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   SECNO     DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS    BANK ELEV
   Q         QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA    LEFT/RIGHT
   TIME      VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN      SSTA
   SLOPE     XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST

*SECNO 520.000

3301 HV CHANGED MORE THAN HVINS
7185 MINIMUM SPECIFIC ENERGY
   520.00     6.24  1493.14  1493.14     0.00  1494.34     1.20     1.96     0.23  1492.00
    3761.      23.     3364.     374.      13.     364.     148.     455.     220.  1491.00
     0.64     1.84     9.25     2.53    0.045    0.035    0.045    0.000  1486.90  4956.28
 0.005874     275.     467.     810.        3       11        0    -0.00   292.49  5248.77


*SECNO 530.000

3301 HV CHANGED MORE THAN HVINS
   530.00     7.15  1495.55     0.00     0.00  1495.92     0.36     1.50     0.08  1493.00
    3449.     593.     1883.     974.     275.     306.     376.     463.     225.  1493.00
     0.66     2.16     6.15     2.59    0.045    0.035    0.045    0.000  1488.40  4750.44
 0.002243     720.     378.     480.        2        0        0    -0.00   475.63  5226.07


*SECNO 540.000

3265 DIVIDED FLOW
3720 CRITICAL DEPTH ASSUMED
   540.00     6.01  1496.51     0.00     0.00  1497.24     0.73     1.22     0.11  1496.00
    3138.       1.     2863.     274.       1.     401.     127.     470.     228.  1495.00
     0.68     0.78     7.15     2.16    0.045    0.035    0.045    0.000  1490.50  4885.41
 0.003775     475.     433.     400.        3        0        0    -0.00   238.65  5186.55


*SECNO 550.000
3720 CRITICAL DEPTH ASSUMED

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     1500.00 ELREA=     1500.00
   550.00     5.71  1497.61     0.00     0.00  1498.19     0.58     0.93     0.01  1491.90
    2515.       0.     2515.       0.       0.     411.       0.     474.     229.  1491.90
     0.70     0.00     6.12     0.00    0.000    0.035    0.000    0.000  1491.90   283.10
 0.002034     500.     340.     180.        2        0        0    -0.00    72.00   355.10
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   SECNO     DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS    BANK ELEV
   Q         QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA    LEFT/RIGHT
   TIME      VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN      SSTA
   SLOPE     XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST

CCHV=   0.300 CEHV=   0.500
*SECNO 551.000

3301 HV CHANGED MORE THAN HVINS

3370 NORMAL BRIDGE,NRD= 10 MIN ELTRD= 1499.30 MAX ELLC= 1500.60
   551.00     5.41  1497.31  1495.25     0.00  1498.49     1.18     0.00     0.30  1491.90
    2515.       0.     2515.       0.       0.     288.       0.     474.     229.  1491.90
     0.70     0.20     8.73     0.20    0.045    0.012    0.045    0.000  1491.90   241.11
 0.001973       1.        1.       1.        4       15        0  -232.20   146.72   387.83
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*SECNO 552.000

3370 NORMAL BRIDGE,NRD= 10 MIN ELTRD= 1499.30 MAX ELLC= 1500.60
3710 WSEL ASSUMED BASED ON MIN DIFF
   552.00     4.50  1497.60  1496.45     0.00  1498.79     1.18     0.29     0.00  1493.10
    2515.       0.    2515.       0.       0.     288.       0.     475.     230.   1493.10
     0.70     0.20     8.73     0.20    0.045    0.012    0.045    0.000  1493.10   213.56
 0.001973     148.     148.     148.        0       15        0  -162.22   174.86   388.42


CCHV=   0.100 CEHV=   0.300
*SECNO 553.000
3720 CRITICAL DEPTH ASSUMED

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     1500.00 ELREA=     1500.00
   553.00     4.96  1498.06     0.00     0.00  1498.83     0.77     0.00     0.04  1493.10
    2515.       0.    2515.       0.       0.     357.       0.     475.     230.   1493.10
     0.70     0.00     7.04     0.00    0.000    0.035    0.000    0.000  1493.10   283.10
 0.003255       1.       1.       1.        3        0        0    -0.00    72.00   355.10


*SECNO 560.000

3265 DIVIDED FLOW
   560.00     4.99  1499.19  1499.04     0.00  1500.31     1.12     1.38     0.11  1499.00
    2515.      95.    2419.       1.      44.     279.       2.     477.     231.   1499.00
     0.71     2.15     8.67     0.61    0.045    0.035    0.045    0.000  1494.20  4828.13
 0.007850       80.     290.     415.        5        5        0    -0.00   191.19  5054.45

*SECNO 570.000

3301 HV CHANGED MORE THAN HVINS
   570.00     6.44  1502.14     0.00     0.00  1502.56     0.42     2.18     0.07  1502.00
    2432.       0.    1852.     580.       0.     316.     265.     482.     234.   1500.00
     0.74     0.28     5.86     2.19    0.045    0.035    0.045    0.000  1495.70  4938.91
 0.002661     553.     503.     530.        1        0        0    -0.00   283.20  5222.11


*SECNO 580.000

3265 DIVIDED FLOW
3720 CRITICAL DEPTH ASSUMED
   580.00     6.39  1503.69     0.00     0.00  1504.37     0.67     1.73     0.07  1504.00
    2350.      78.    1383.     889.      40.     173.     230.     488.     236.   1501.00
     0.76     1.94     7.99     3.87    0.045    0.035    0.045    0.000  1497.30  4700.99
 0.005333     620.     512.     393.        3        0        0    -0.00   244.18  5144.72


*SECNO 590.000
   590.00     6.62  1505.22     0.00     0.00  1505.65     0.43     1.25     0.02  1506.00
    2267.       0.    2055.     212.       0.     375.     128.     492.     238.   1504.00
     0.78     0.00     5.48     1.66    0.000    0.035    0.045    0.000  1498.60  4972.42
 0.002075     364.     367.     485.        2        0        0    -0.00   197.97  5170.40


*SECNO 600.000

3301 HV CHANGED MORE THAN HVINS
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
   600.00     7.13  1507.33  1507.33     0.00  1508.36     1.03     1.10     0.18  1506.00
    2184.      31.    1774.     379.      20.     199.     128.     495.     240.   1505.00
     0.79     1.55     8.93     2.96    0.045    0.035    0.045    0.000  1500.20  4916.15
 0.005406     332.     347.     375.       20        8        0    -0.00   234.18  5150.33
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PROFILE FOR STREAM

PLOTTED POINTS (BY PRIORITY)-E-ENERGY, W-WATER SURFACE, I-INVERT, C-CRITICAL W.S., L-LEFT BANK, R-RIGHT BANK, M-LOWER END STA

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ELEVATION  1420.     1430.     1440.     1450.     1460.     1470.     1480.     1490.     1500.     1510.
   SECNO   CUMDIS
  290.00      0.  .  I  LE M        .         .         .         .         .         .         .         .
             50.  C  I  RWEM        .         .         .         .         .         .         .         .
            100.  C   I  WEM        .         .         .         .         .         .         .         .
            150.  C   I  LE.M       .         .         .         .         .         .         .         .
            200.  C   I  LWEM       .         .         .         .         .         .         .         .
            250.  C   I  LWEM       .         .         .         .         .         .         .         .
            300.  C    I RLEM       .         .         .         .         .         .         .         .
            350.  C    I  LWE       .         .         .         .         .         .         .         .
            400.  C    I  LWEM      .         .         .         .         .         .         .         .
            450.  C    I  L.EM      .         .         .         .         .         .         .         .
            500.  C     I RLEM      .         .         .         .         .         .         .         .
            550.  C     I RLWE      .         .         .         .         .         .         .         .
            600.  C     I  L E      .         .         .         .         .         .         .         .
            650.  C      I L EM     .         .         .         .         .         .         .         .
            700.  C      I L WE     .         .         .         .         .         .         .         .
  300.00    750.  C      I RLWE     .         .         .         .         .         .         .         .
            800.  C      I RL E     .         .         .         .         .         .         .         .
            850.  C      I RL EM    .         .         .         .         .         .         .         .
            900.  C       IRL EM    .         .         .         .         .         .         .         .
            950.  C       I.L WE    .         .         .         .         .         .         .         .
           1000.  C       I.RLWE    .         .         .         .         .         .         .         .
           1050.  C       I.RL EM   .         .         .         .         .         .         .         .
           1100.  C        IRL EM   .         .         .         .         .         .         .         .
  310.00   1150.  C        IRL EM   .         .         .         .         .         .         .         .
           1200.  C        I RLWE   .         .         .         .         .         .         .         .
           1250.  C        I RLWEM  .         .         .         .         .         .         .         .
           1300.  C        I RL EM  .         .         .         .         .         .         .         .
           1350.  C        .I RLE M .         .         .         .         .         .         .         .
           1400.  C        .I RLWEM .         .         .         .         .         .         .         .
           1450.  C        .I RLWE M.         .         .         .         .         .         .         .
           1500.  C        .I R LE M.         .         .         .         .         .         .         .
           1550.  C        . I RLE  M.        .         .         .         .         .         .         .
           1600.  C        . I R WE M.        .         .         .         .         .         .         .
  320.00   1650.  C        . I  RWE  M        .         .         .         .         .         .         .
           1700.  C        . I  RLE  M        .         .         .         .         .         .         .
           1750.  C        .  I RLE  .M       .         .         .         .         .         .         .
           1800.  C        .  I RLWE .M       .         .         .         .         .         .         .
           1850.  C        .  I RLWE .M       .         .         .         .         .         .         .
           1900.  C        .  I  L E. M       .         .         .         .         .         .         .
           1950.  C        .  I  L E. M       .         .         .         .         .         .         .
           2000.  C        .   I L E. M       .         .         .         .         .         .         .
           2050.  C        .   I L WE.  M     .         .         .         .         .         .         .
  330.00   2100.  C        .   I  L E.  M     .         .         .         .         .         .         .
  332.00   2150.  .        .   I  L W.E M     .         .         .         .         .         .         .
           2200.  .     .   .   I  L W.E M     .         .         .         .         .         .         .
  334.00   2250.  .        .    I L  W E       .         .         .         .         .         .         .
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336.00	2300.	C	.	I L . E	.	.	.	.	.	.	.	.	.	.
	2350.	C	.	I L . E	.	.	.	.	.	.	.	.	.	.
	2400.	C	.	I L . EM	.	.	.	.	.	.	.	.	.	.
	2450.	C	.	I L . EM	.	.	.	.	.	.	.	.	.	.
	2500.	C	.	I LR. WE	.	.	.	.	.	.	.	.	.	.
	2550.	C	.	I L. WE	.	.	.	.	.	.	.	.	.	.
	2600.	C	.	I LR WEM	.	.	.	.	.	.	.	.	.	.
	2650.	C	.	I L EM	.	.	.	.	.	.	.	.	.	.
	2700.	C	.	I LR EM	.	.	.	.	.	.	.	.	.	.
	2750.	C	.	I LR WE	.	.	.	.	.	.	.	.	.	.
340.00	2800.	.	.	I.LRWEM	.	.	.	.	.	.	.	.	.	.
	2850.	C	.	I. L EM	.	.	.	.	.	.	.	.	.	.
	2900.	C	.	I. LRWEM	.	.	.	.	.	.	.	.	.	.
	2950.	C	.	I. LRWEM	.	.	.	.	.	.	.	.	.	.
	3000.	C	.	I LR EM	.	.	.	.	.	.	.	.	.	.
	3050.	C	.	I L WE	.	.	.	.	.	.	.	.	.	.
	3100.	C	.	I LRWEM	.	.	.	.	.	.	.	.	.	.
	3150.	C	.	I LRWEM	.	.	.	.	.	.	.	.	.	.
	3200.	C	.	.I L EM	.	.	.	.	.	.	.	.	.	.
	3250.	C	.	.I L WEM	.	.	.	.	.	.	.	.	.	.
	3300.	C	.	.I LRWEM	.	.	.	.	.	.	.	.	.	.
	3350.	C	.	.I LR EM	.	.	.	.	.	.	.	.	.	.
	3400.	C	.	. I L WEM.	.	.	.	.	.	.	.	.	.	.
	3450.	C	.	. I L WEM.	.	.	.	.	.	.	.	.	.	.
	3500.	C	.	. I L EM.	.	.	.	.	.	.	.	.	.	.
	3550.	C	.	. I L EM.	.	.	.	.	.	.	.	.	.	.
	3600.	C	.	. I L WEM	.	.	.	.	.	.	.	.	.	.
350.00	3650.	C	.	. I L EM	.	.	.	.	.	.	.	.	.	.
	3700.	C	.	. I L EM	.	.	.	.	.	.	.	.	.	.
	3750.	C	.	. I L WEM	.	.	.	.	.	.	.	.	.	.
	3800.	C	.	. I L EM	.	.	.	.	.	.	.	.	.	.
	3850.	C	.	. I L EM	.	.	.	.	.	.	.	.	.	.
	3900.	C	.	. I L WEM	.	.	.	.	.	.	.	.	.	.
	3950.	C	.	. I L WEM	.	.	.	.	.	.	.	.	.	.
	4000.	C	.	. I L .EM	.	.	.	.	.	.	.	.	.	.
	4050.	C	.	. I L .WEM	.	.	.	.	.	.	.	.	.	.
	4100.	C	.	. I L.WEM	.	.	.	.	.	.	.	.	.	.
	4150.	C	.	. I L.WEM	.	.	.	.	.	.	.	.	.	.
	4200.	C	.	. I L. WEM	.	.	.	.	.	.	.	.	.	.
	4250.	C	.	. I LR WEM	.	.	.	.	.	.	.	.	.	.
	4300.	C	.	. I L WEM	.	.	.	.	.	.	.	.	.	.
	4350.	C	.	. I L W EM	.	.	.	.	.	.	.	.	.	.
360.00	4400.	.	.	. I L WEM	.	.	.	.	.	.	.	.	.	.
	4450.	C	.	. I LR WEM	.	.	.	.	.	.	.	.	.	.
	4500.	C	.	. I .L WE M	.	.	.	.	.	.	.	.	.	.
	4550.	C	.	. I .L WEM	.	.	.	.	.	.	.	.	.	.
	4600.	C	.	. I.RL WE M	.	.	.	.	.	.	.	.	.	.
	4650.	C	.	. I. L WE M	.	.	.	.	.	.	.	.	.	.
	4700.	C	.	. I. L WE M.	.	.	.	.	.	.	.	.	.	.
	4750.	C	.	. I. RL WE M.	.	.	.	.	.	.	.	.	.	.
	4800.	C	.	. I. L WE M.	.	.	.	.	.	.	.	.	.	.
	4850.	C	.	. I RL E M.	.	.	.	.	.	.	.	.	.	.
370.00	4900.	C	.	. I RL WE M	.	.	.	.	.	.	.	.	.	.
	4950.	C	.	. I L WE M	.	.	.	.	.	.	.	.	.	.
	5000.	C	.	. I L E M	.	.	.	.	.	.	.	.	.	.
	5050.	C	.	. .I RL E M	.	.	.	.	.	.	.	.	.	.
	5100.	C	.	. .I RL WE M	.	.	.	.	.	.	.	.	.	.
	5150.	C	.	. .I RL WE M	.	.	.	.	.	.	.	.	.	.
	5200.	C	.	. .I L E M	.	.	.	.	.	.	.	.	.	.
	5250.	C	.	. .I RL E M	.	.	.	.	.	.	.	.	.	.
	5300.	C	.	. . I RL E M	.	.	.	.	.	.	.	.	.	.
	5350.	C	.	. . I RL WEM	.	.	.	.	.	.	.	.	.	.
	5400.	C	.	. . I RL WEM	.	.	.	.	.	.	.	.	.	.
	5450.	C	.	. . I L EM	.	.	.	.	.	.	.	.	.	.

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380.00 5500. C     .     .     . I  RL EM     .     .     .     .     .     .
       5550. C     .     .     . I  RL WE     .     .     .     .     .     .
       5600. C     .     .     . I  RL WE     .     .     .     .     .     .
       5650. C     .     .     . I   L  EM     .     .     .     .     .     .
       5700. C     .     .     . I   RL EM     .     .     .     .     .     .
       5750. C     .     .     .  I  RL WE     .     .     .     .     .     .
       5800. C     .     .     .  I  RL WE     .     .     .     .     .     .
       5850. C     .     .     .  I   L .E     .     .     .     .     .     .
       5900. C     .     .     .  I   RL.E     .     .     .     .     .     .
       5950. C     .     .     .   I  RL.WE     .     .     .     .     .     .
       6000. C     .     .     .   I   L.WE     .     .     .     .     .     .
       6050. C     .     .     .   I   L. E     .     .     .     .     .     .
       6100. C     .     .     .   I   RL E     .     .     .     .     .     .
       6150. C     .     .     .    I  RL WE     .     .     .     .     .     .
       6200. C     .     .     .    I   L WE     .     .     .     .     .     .
       6250. C     .     .     .    I   L  E     .     .     .     .     .     .
390.00 6300. C     .     .     .     I  RL E     .     .     .     .     .     .
       6350. C     .     .     .     I  RL WE     .     .     .     .     .     .
       6400. C     .     .     .     I  RL WE     .     .     .     .     .     .
       6450. C     .     .     .      I .L  E     .     .     .     .     .     .
       6500. C     .     .     .      I .RL E     .     .     .     .     .     .
       6550. C     .     .     .      I .RL WE     .     .     .     .     .     .
       6600. C     .     .     .       I.RL WE     .     .     .     .     .     .
       6650. C     .     .     .       I.R L E     .     .     .     .     .     .
       6700. C     .     .     .       I.R L E     .     .     .     .     .     .
       6750. C     .     .     .        IR L EM     .     .     .     .     .     .
       6800. C     .     .     .        I RL WE     .     .     .     .     .     .
400.00 6850. C     .     .     .        I R LWE     .     .     .     .     .     .
       6900. C     .     .     .        I R L E     .     .     .     .     .     .
       6950. C     .     .     .        .IR L E     .     .     .     .     .     .
       7000. C     .     .     .        .I R LEM     .     .     .     .     .     .
       7050. C     .     .     .        .I R LWE     .     .     .     .     .     .
       7100. C     .     .     .        .I R  LE     .     .     .     .     .     .
       7150. C     .     .     .        . IR  LE     .     .     .     .     .     .
       7200. C     .     .     .        . I R  EM     .     .     .     .     .     .
410.00 7250. C     .     .     .        . I R  WE     .     .     .     .     .     .
       7300. C     .     .     .        . I R  LE     .     .     .     .     .     .
       7350. C     .     .     .        .  I R LE     .     .     .     .     .     .
       7400. C     .     .     .        .  I R LWE.     .     .     .     .     .     .
       7450. C     .     .     .        .  I R LWE.     .     .     .     .     .     .
       7500. C     .     .     .        .  I  RL E.     .     .     .     .     .     .
       7550. C     .     .     .        .  I  RL E.     .     .     .     .     .     .
       7600. C     .     .     .        .   I RL EM     .     .     .     .     .     .
       7650. C     .     .     .        .   I RL WE     .     .     .     .     .     .
       7700. C     .     .     .        .   I  L WE     .     .     .     .     .     .
       7750. C     .     .     .        .   I  L  E     .     .     .     .     .     .
       7800. C     .     .     .        .   I  L  E     .     .     .     .     .     .
       7850. C     .     .     .        .    I LR WE     .     .     .     .     .     .
420.00 7900. C     .     .     .        .    I LR WE     .     .     .     .     .     .
       7950. C     .     .     .        .    I LR .E     .     .     .     .     .     .
       8000. C     .     .     .        .    I  LR.EM     .     .     .     .     .     .
       8050. C     .     .     .        .     I LR.WE     .     .     .     .     .     .
       8100. C     .     .     .        .     I L RWE     .     .     .     .     .     .
       8150. C     .     .     .        .     I  LR EM     .     .     .     .     .     .
       8200. C     .     .     .        .     I  LR WE     .     .     .     .     .     .
       8250. C     .     .     .        .      I  LRWE     .     .     .     .     .     .
       8300. C     .     .     .        .      I  LRWEM     .     .     .     .     .     .
       8350. C     .     .     .        .      I  L REM     .     .     .     .     .     .
       8400. C     .     .     .        .      I  .LRWE     .     .     .     .     .     .
       8450. C     .     .     .        .       I .LRWE     .     .     .     .     .     .
       8500. C     .     .     .        .       I .L WEM     .     .     .     .     .     .
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430.00  8550.  C   .   .   .   .   I . LREM  .   .   .   .   .
        8600.  C   .   .   .   .   I . LRWEM .   .   .   .   .
        8650.  C   .   .   .   .    I. LRWEM .   .   .   .   .
        8700.  C   .   .   .   .    I. LRWE M .   .   .   .   .
        8750.  C   .   .   .   .    I.  L E M .   .   .   .   .
        8800.  C   .   .   .   .    I.  L WE M.   .   .   .   .
        8850.  C   .   .   .   .    I.  L WE M.   .   .   .   .
        8900.  C   .   .   .   .     I  RL E  M.   .   .   .   .
        8950.  C   .   .   .   .     I  RL E  M.   .   .   .   .
440.00  9000.  C   .   .   .   .     I  RL WE  M   .   .   .   .
        9050.  C   .   .   .   .     I  R LWE  M   .   .   .   .
        9100.  C   .   .   .   .     I  R LWE  M   .   .   .   .
        9150.  C   .   .   .   .    .I  RL E  M   .   .   .   .
        9200.  C   .   .   .   .    .I  RL E  M   .   .   .   .
        9250.  C   .   .   .   .    .I  RL WE M   .   .   .   .
        9300.  C   .   .   .   .    .I  RL WE M   .   .   .   .
        9350.  C   .   .   .   .    .I   L WE M   .   .   .   .
        9400.  C   .   .   .   .    . I  L WE M   .   .   .   .
        9450.  C   .   .   .   .    . I  RL E M   .   .   .   .
        9500.  C   .   .   .   .    . I  RL E M   .   .   .   .
        9550.  C   .   .   .   .    . I   L WEM   .   .   .   .
        9600.  C   .   .   .   .    . I   L WEM   .   .   .   .
450.00  9650.  C   .   .   .   .    .  I  L WEM   .   .   .   .
        9700.  C   .   .   .   .    .  I  L WEM   .   .   .   .
        9750.  C   .   .   .   .    .  I   L EM   .   .   .   .
        9800.  C   .   .   .   .    .  I   L EM   .   .   .   .
        9850.  C   .   .   .   .    .   I  L WE   .   .   .   .
        9900.  C   .   .   .   .    .   I  L WE   .   .   .   .
        9950.  C   .   .   .   .    .   I   LWEM  .   .   .   .
       10000.  C   .   .   .   .    .   I   L EM  .   .   .   .
       10050.  C   .   .   .   .    .    I  L EM  .   .   .   .
       10100.  C   .   .   .   .    .    I  L WE  .   .   .   .
       10150.  C   .   .   .   .    .    I   LWE  .   .   .   .
460.00 10200.  C   .   .   .   .    .     I  L.E  .   .   .   .
       10250.  C   .   .   .   .    .     I  L.E  .   .   .   .
       10300.  C   .   .   .   .    .     I  LRWE .   .   .   .
       10350.  C   .   .   .   .    .     I  LRWE .   .   .   .
       10400.  C   .   .   .   .    .     I   L E .   .   .   .
       10450.  C   .   .   .   .    .      I  L E .   .   .   .
       10500.  C   .   .   .   .    .      I  LRE .   .   .   .
       10550.  C   .   .   .   .    .      I  LRWE .   .   .   .
       10600.  C   .   .   .   .    .      I  LRWE .   .   .   .
       10650.  C   .   .   .   .    .      I  L RE .   .   .   .
       10700.  C   .   .   .   .    .      I  L RE .   .   .   .
470.00 10750.  C   .   .   .   .    .      I  L RE .   .   .   .
       10800.  C   .   .   .   .    .       I L RWE .   .   .   .
       10850.  C   .   .   .   .    .       I .LRWE .   .   .   .
       10900.  C   .   .   .   .    .       I .LR E .   .   .   .
       10950.  C   .   .   .   .    .       I . L WE .   .   .   .
       11000.  C   .   .   .   .    .        I. LRWE .   .   .   .
       11050.  C   .   .   .   .    .        I.  L E .   .   .   .
       11100.  C   .   .   .   .    .        I.  L WE .   .   .   .
       11150.  C   .   .   .   .    .        I.  L WE .   .   .   .
       11200.  C   .   .   .   .    .        I.  RLWE .   .   .   .
480.00 11250.  .   .   .   .   .    .         I  RL WE .   .   .   .
       11300.  C   .   .   .   .    .         I  R LWE .   .   .   .
       11350.  C   .   .   .   .    .         I  R LWE .   .   .   .
       11400.  C   .   .   .   .    .         I  R L EM .   .   .   .
       11450.  C   .   .   .   .    .         I   RL EM .   .   .   .
       11500.  C   .   .   .   .    .        .I  RL WEM.   .   .   .
       11550.  C   .   .   .   .    .        .I  R LWEM.   .   .   .
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490.00 11600.  C                                  .I  R L E M          .         .
       11650.  C                                  .I  R L WEM          .         .
       11700.  C                                  .I   R LWEM          .         .
       11750.  C                                  . I  R LWEM          .         .
       11800.  C                                  . I  R L E.M         .         .
       11850.  C                                  . I  R L E.M         .         .
       11900.  C                                  . I   R LWEM         .         .
       11950.  C                                  . I   R LWEM         .         .
500.00 12000.  .                                  .  I  R LWEM         .         .
       12050.  C                                  .  I  R LWEM         .         .
       12100.  C                                  .  I   R LEM         .         .
       12150.  C                                  .  I   R LWE         .         .
       12200.  C                                  .   I  R LWE         .         .
       12250.  C                                  .   I   RLWEM        .         .
       12300.  C                                  .   I   R LEM        .         .
       12350.  C                                  .   I    RLEM        .         .
510.00 12400.  C                                  .    I   RLWE        .         .
       12450.  C                                  .    I   RLWE        .         .
       12500.  C                                  .    I   R.LEM       .         .
       12550.  C                                  .    I    RLWE       .         .
       12600.  C                                  .     I   RLWE       .         .
       12650.  C                                  .     I   RLWEM      .         .
       12700.  C                                  .     I   RLWEM      .         .
       12750.  C                                  .     I   R LWE      .         .
       12800.  C                                  .      I  .RLWEM     .         .
       12850.  .          C.                      .      I  .RLWEM     .         .
520.00 12900.  .                                  .      I  .RLWEM     .         .
       12950.  C                                  .      I  .RLW E     .         .
       13000.  C                                  .      I  . L WE     .         .
       13050.  C                                  .      I  . L WE     .         .
       13100.  C                                  .       I . RLWEM    .         .
       13150.  C                                  .       I . RL EM    .         .
       13200.  C                                  .       I .  L WE    .         .
530.00 13250.  C                                  .       I .  L  E    .         .
       13300.  C                                  .        I.  L  E    .         .
       13350.  C                                  .        I.  RL EM   .         .
       13400.  C                                  .        I.   L EM   .         .
       13450.  C                                  .        I.   L WE   .         .
       13500.  C                                  .         I   RLWEM  .         .
       13550.  C                                  .         I   RLWEM  .         .
       13600.  C                                  .         I    LWEM  .         .
       13650.  C                                  .         I    RWE M.         .
540.00 13700.  C                                  .         .I   RLE M.         .
       13750.  C                                  .         .I   L E M.         .
       13800.  C                                  .         .I  RL WEM.         .
       13850.  C                                  .         .I  L  WEM.         .
       13900.  C                                  .         .I RL  WEM.         .
       13950.  C                                  .         . IL   WEM.         .
       14000.  C                                  .         . I    WEM.         .
550.00 14050.  C                                  .         . I     EM.         .
551.00 14100.  .                                  .         . I  C WEM.         .
       14150.  .                                  .         . I   CW E.         .
552.00 14200.  .                                  .         .  I  C WE.         .
553.00 14250.  C                                  .         .  I    WE.         .
       14300.  C                                  .         .  IL   WE.         .
       14350.  C                                  .         .  I L  WEM         .
       14400.  C                                  .         .   I L  WE         .
       14450.  C                                  .         .   I  L WE         .
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560.00 14500.  .  .  .  .  .  .  .  .  I   WE    .  .
       14550.  C  .  .  .  .  .  .  .  I   WNE   .  .
       14600.  C  .  .  .  .  .  .  .  I   RWE   .  .
       14650.  C  .  .  .  .  .  .  .   I  RWE   .  .
       14700.  C  .  .  .  .  .  .  .   I  RWEM  .  .
       14750.  C  .  .  .  .  .  .  .   I  RLEM  .  .
       14800.  C  .  .  .  .  .  .  .   I   RWE  .  .
       14850.  C  .  .  .  .  .  .  .   I   RWEM .  .
       14900.  C  .  .  .  .  .  .  .   I   RLEM .  .
       14950.  C  .  .  .  .  .  .  .    I  R E M .  .
570.00 15000.  C  .  .  .  .  .  .  .    I  R WEM .  .
       15050.  C  .  .  .  .  .  .  .    I  R WEM .  .
       15100.  C  .  .  .  .  .  .  .    I  R WEM .  .
       15150.  C  .  .  .  .  .  .  .    I  R  EM .  .
       15200.  C  .  .  .  .  .  .  .    I  R  EM .  .
       15250.  C  .  .  .  .  .  .  .    I  R  EM .  .
       15300.  C  .  .  .  .  .  .  .     I .R WEM .  .
       15350.  C  .  .  .  .  .  .  .     I .R WEM .  .
       15400.  C  .  .  .  .  .  .  .     I .R WEM .  .
       15450.  C  .  .  .  .  .  .  .     I .R  EM .  .
580.00 15500.  C  .  .  .  .  .  .  .     I .R  EM .  .
       15550.  C  .  .  .  .  .  .  .     I .R  WE .  .
       15600.  C  .  .  .  .  .  .  .      I . R WE .  .
       15650.  C  .  .  .  .  .  .  .      I . R WE .  .
       15700.  C  .  .  .  .  .  .  .      I .  R EM .  .
       15750.  C  .  .  .  .  .  .  .      I .  R EM .  .
       15800.  C  .  .  .  .  .  .  .      I .  R EL .  .
590.00 15850.  C  .  .  .  .  .  .  .       I.   RWE .  .
       15900.  C  .  .  .  .  .  .  .       I.   R E .  .
       15950.  C  .  .  .  .  .  .  .       I.   R EM .  .
       16000.  C  .  .  .  .  .  .  .       I.   R WE .  .
       16050.  C  .  .  .  .  .  .  .        I   RWE .  .
       16100.  C  .  .  .  .  .  .  .        I   RLWE .  .
       16150.  C  .  .  .  .  .  .  .        I   RLWE .  .
600.00 16200.  .  .  .  .  .  .  .  .        I   RLWE .  .
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NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

SUMMARY PRINTOUT TABLE 150

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10K*S	VCH	AREA	.01K
*	290.000	0.00	0.00	0.00	1424.00	9924.00	1427.73	1427.73	1428.41	111.41	7.61	1681.58	940.22
*	300.000	720.00	0.00	0.00	1428.00	9863.00	1432.37	0.00	1432.75	35.33	5.98	2336.58	1659.42
*	310.000	380.00	0.00	0.00	1429.70	9801.00	1433.91	0.00	1434.47	65.27	7.61	1920.92	1213.11
	320.000	507.00	0.00	0.00	1432.10	9740.00	1436.43	0.00	1436.86	52.85	6.53	2076.63	1339.81
	330.000	455.00	0.00	0.00	1434.00	9679.00	1438.54	0.00	1438.91	27.64	4.89	1981.22	1841.16
*	332.000	1.00	1442.90	1445.80	1434.00	9679.00	1439.10	1439.10	1441.04	17.64	11.17	867.84	2304.59
*	334.000	148.00	1442.25	1442.90	1434.50	9679.00	1439.61	1439.61	1441.54	17.83	11.16	867.44	2291.99
	336.000	1.00	0.00	0.00	1434.50	9679.00	1441.66	0.00	1441.73	2.24	2.07	4673.06	6460.73
*	340.000	577.00	0.00	0.00	1438.50	9368.00	1443.24	1443.24	1444.17	94.84	9.39	1437.29	961.94

*	350.000	855.00	0.00	0.00	1443.00	9056.00	1448.70	0.00	1449.06	36.67	5.99	2094.68	1495.56
*	360.000	723.00	0.00	0.00	1447.70	8745.00	1452.60	1452.60	1453.91	98.29	10.56	1074.90	882.05
	370.000	512.00	0.00	0.00	1450.00	8433.00	1456.27	0.00	1456.70	33.95	6.32	1801.87	1447.39
	380.000	600.00	0.00	0.00	1452.40	8122.00	1458.75	0.00	1459.35	55.43	8.03	1499.21	1090.91
*	390.000	808.00	0.00	0.00	1456.50	7810.00	1462.92	0.00	1463.48	48.22	7.89	1548.06	1124.66
	400.000	520.00	0.00	0.00	1460.00	7499.00	1465.31	0.00	1465.71	34.09	6.17	1631.24	1284.23
	410.000	420.00	0.00	0.00	1462.10	7187.00	1467.48	0.00	1467.84	47.87	6.29	1650.02	1038.76
	420.000	666.00	0.00	0.00	1465.00	6876.00	1470.46	0.00	1470.90	40.68	7.05	1515.33	1078.05

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10K*S	VCH	AREA	.01K
	430.000	638.00	0.00	0.00	1468.10	6564.00	1473.58	0.00	1474.37	80.24	8.16	1030.80	732.78
	440.000	458.00	0.00	0.00	1470.00	6253.00	1476.16	0.00	1476.59	31.70	6.48	1481.15	1110.56
*	450.000	615.00	0.00	0.00	1472.50	5941.00	1478.16	0.00	1478.85	44.66	7.79	1110.34	889.04
*	460.000	590.00	0.00	0.00	1475.70	5630.00	1480.76	0.00	1481.18	38.93	6.13	1341.30	902.38
*	470.000	517.00	0.00	0.00	1477.40	5318.00	1482.80	0.00	1483.34	42.59	7.32	1101.27	814.85
*	480.000	493.00	0.00	0.00	1479.60	5007.00	1485.74	1485.74	1486.59	55.65	8.95	920.20	671.17
	490.000	387.00	0.00	0.00	1481.00	4695.00	1487.90	0.00	1488.31	34.03	5.83	1034.04	804.82
	500.000	398.00	0.00	0.00	1482.70	4384.00	1489.10	1488.92	1490.06	50.75	8.63	699.82	615.40
	510.000	410.00	0.00	0.00	1484.60	4072.00	1491.25	0.00	1491.69	29.02	6.48	1066.16	755.90
*	520.000	467.00	0.00	0.00	1486.90	3761.00	1493.14	1493.14	1494.34	58.74	9.25	524.04	490.71
	530.000	378.00	0.00	0.00	1488.40	3449.00	1495.55	0.00	1495.92	22.43	6.15	956.62	728.20
*	540.000	433.00	0.00	0.00	1490.50	3138.00	1496.51	0.00	1497.24	37.75	7.15	528.37	510.70
*	550.000	340.00	0.00	0.00	1491.90	2515.00	1497.61	0.00	1498.19	20.34	6.12	411.14	557.70
	551.000	1.00	1499.30	1500.60	1491.90	2515.00	1497.31	1495.25	1498.49	19.73	8.73	288.40	566.16
*	552.000	148.00	1499.30	1500.60	1493.10	2515.00	1497.60	1496.45	1498.79	19.73	8.73	288.40	566.16
*	553.000	1.00	0.00	0.00	1493.10	2515.00	1498.06	0.00	1498.83	32.55	7.04	357.02	440.79
	560.000	290.00	0.00	0.00	1494.20	2515.00	1499.19	1499.04	1500.31	78.50	8.67	325.23	283.86
	570.000	503.00	0.00	0.00	1495.70	2432.00	1502.14	0.00	1502.56	26.61	5.86	580.75	471.47
*	580.000	512.00	0.00	0.00	1497.30	2350.00	1503.69	0.00	1504.37	53.33	7.99	442.76	321.79
	590.000	367.00	0.00	0.00	1498.60	2267.00	1505.22	0.00	1505.65	20.75	5.48	503.02	497.62
*	600.000	347.00	0.00	0.00	1500.20	2184.00	1507.33	1507.33	1508.36	54.06	8.93	346.63	297.04

SUMMARY PRINTOUT TABLE 150

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
*	290.000	9924.00	1427.73	0.00	0.00	-0.27	1130.57	0.00
*	300.000	9863.00	1432.37	0.00	4.64	0.00	1333.21	720.00
*	310.000	9801.00	1433.91	0.00	1.54	0.00	1079.66	380.00
	320.000	9740.00	1436.43	0.00	2.52	0.00	1113.02	507.00
	330.000	9679.00	1438.54	0.00	2.11	0.00	611.80	455.00
*	332.000	9679.00	1439.10	0.00	0.56	0.00	753.95	1.00
*	334.000	9679.00	1439.61	0.00	0.50	0.00	900.77	148.00
	336.000	9679.00	1441.66	0.00	2.05	0.00	795.30	1.00
*	340.000	9368.00	1443.24	0.00	1.58	0.00	774.49	577.00
*	350.000	9056.00	1448.70	0.00	5.46	0.00	945.76	855.00
*	360.000	8745.00	1452.60	0.00	3.90	0.00	403.89	723.00
	370.000	8433.00	1456.27	0.00	3.67	0.00	714.19	512.00
	380.000	8122.00	1458.75	0.00	2.48	0.00	728.07	600.00
*	390.000	7810.00	1462.92	0.00	4.18	0.00	667.20	808.00
	400.000	7499.00	1465.31	0.00	2.39	0.00	719.71	520.00
	410.000	7187.00	1467.48	0.00	2.17	0.00	962.19	420.00
	420.000	6876.00	1470.46	0.00	2.97	0.00	703.24	666.00
	430.000	6564.00	1473.58	0.00	3.12	0.00	569.56	638.00
	440.000	6253.00	1476.16	0.00	2.58	0.00	695.79	458.00
*	450.000	5941.00	1478.16	0.00	2.00	0.00	601.43	615.00
*	460.000	5630.00	1480.76	0.00	2.61	0.00	729.67	590.00
*	470.000	5318.00	1482.80	0.00	2.03	0.00	643.67	517.00
*	480.000	5007.00	1485.74	0.00	2.94	0.00	514.16	493.00
	490.000	4695.00	1487.90	0.00	2.17	0.00	458.26	387.00
	500.000	4384.00	1489.10	0.00	1.20	0.00	351.37	398.00
	510.000	4072.00	1491.25	0.00	2.15	0.00	652.99	410.00
*	520.000	3761.00	1493.14	0.00	1.89	0.00	292.49	467.00
	530.000	3449.00	1495.55	0.00	2.42	0.00	475.63	378.00
*	540.000	3138.00	1496.51	0.00	0.96	0.00	238.65	433.00
*	550.000	2515.00	1497.61	0.00	1.10	0.00	72.00	340.00

	551.000	2515.00	1497.31	0.00	-0.30	0.00	146.72	1.00
*	552.000	2515.00	1497.60	0.00	0.29	0.00	174.86	148.00
*	553.000	2515.00	1498.06	0.00	0.46	0.00	72.00	1.00
	560.000	2515.00	1499.19	0.00	1.13	0.00	191.19	290.00
	570.000	2432.00	1502.14	0.00	2.95	0.00	283.20	503.00
*	580.000	2350.00	1503.69	0.00	1.56	0.00	244.18	512.00
	590.000	2267.00	1505.22	0.00	1.53	0.00	197.97	367.00
*	600.000	2184.00	1507.33	0.00	2.11	0.00	234.18	347.00

SUMMARY OF ERRORS AND SPECIAL NOTES

CAUTION SECNO= 290.000 PROFILE= 1 WSEL ASSUMED BASED ON MIN DIFF

CAUTION SECNO= 300.000 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 310.000 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 332.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 332.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 334.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 340.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 340.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 350.000 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 360.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 390.000 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 450.000 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 460.000 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 470.000 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 480.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 520.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 540.000 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 550.000 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 552.000 PROFILE= 1 WSEL ASSUMED BASED ON MIN DIFF

CAUTION SECNO= 553.000 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 580.000 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 600.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 600.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL

HEC-2 SOUTH SIDE CHANNEL

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*****************************************************
*  WATER SURFACE PROFILES                           *
*  VERSION OF NOVEMBER 1976                         *
*  UPDATED MAY 1984                                 *
*                                                   *
*  RUN DATE MAR 23, 1987   TIME 06:25 PM            *
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*********************************
* U.S. ARMY CORPS OF ENGINEERS
* THE HYDROLOGIC ENGINEERING CENTE
* 609 SECOND STREET, SUITE D
* DAVIS, CALIFORNIA 95616
* (916) 440-2105 (FTS) 448-2105
*********************************
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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 MAR 23, 1987 06:25 PM

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*************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
*************************************************
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T1 WAGNER WASH FLOODPLAIN ANALYSIS
T2 SUBCRITICAL FLOW
T3 ROADSIDE DITCH EAST-WEST PARKWAY AREA

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0.	2.	0.	0.	-1.000000	0.00	0.0	0.	1497.000	0.000

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

J3 VARIABLE CODES FOR SUMMARY PRINTOUT

	150.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

NC	0.027	0.027	0.015	0.100	0.300	0.000	0.000	0.000	0.000	0.000
QT	1.000	3790.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	1.000	8.000	108.800	140.800	0.000	0.000	0.000	0.000	0.000	0.000
GR	1500.000	50.000	1493.800	74.800	1493.800	108.800	1491.800	114.800	1491.800	134.800
GR	1493.800	140.800	1493.800	174.800	1500.000	199.600	0.000	0.000	0.000	0.000
X1	2.000	8.000	108.800	140.800	300.000	300.000	300.000	0.000	0.000	0.000
GR	1500.500	50.000	1494.300	74.800	1494.300	108.800	1492.300	114.800	1492.300	134.800
GR	1494.300	140.800	1494.300	174.800	1500.500	199.600	0.000	0.000	0.000	0.000
X1	3.000	8.000	108.800	140.800	284.000	284.000	284.000	0.000	0.000	0.000
GR	1500.900	50.000	1494.680	74.800	1494.680	108.800	1492.680	114.800	1492.680	134.800
GR	1494.700	140.800	1494.680	174.800	1500.880	199.600	0.000	0.000	0.000	0.000

X1	8.000	8.000	108.800	140.800	144.000	144.000	144.000	0.000	0.000	0.000
GR	1506.500	50.000	1500.250	74.800	1500.250	108.800	1498.250	114.800	1498.250	134.800
GR	1500.300	140.800	1500.250	174.800	1506.450	199.600	0.000	0.000	0.000	0.000
X1	9.000	8.000	108.800	140.800	128.680	128.680	128.680	0.000	0.000	0.000
GR	1506.600	50.000	1500.440	74.800	1500.440	108.800	1498.440	114.800	1498.440	134.800
GR	1500.400	140.800	1500.440	174.800	1506.640	199.600	0.000	0.000	0.000	0.000
X1	10.000	0.000	108.800	140.800	5.000	5.000	5.000	0.000	0.008	0.000
X1	11.000	0.000	0.000	248.000	5.000	5.000	5.000	0.000	0.008	0.000
X1	12.000	8.000	108.800	140.800	11.320	11.320	11.320	0.000	0.000	0.000
GR	1511.500	50.000	1505.250	74.800	1505.250	108.800	1503.250	114.800	1503.250	134.800
GR	1505.300	140.800	1505.250	174.800	1511.450	199.600	0.000	0.000	0.000	0.000
X1	13.000	0.000	108.800	140.800	6.000	6.000	6.000	0.000	0.009	0.000
X1	14.000	8.000	108.800	140.800	94.000	94.000	94.000	0.000	0.000	0.000
GR	1511.600	50.000	1505.400	74.800	1505.400	108.800	1503.400	114.800	1503.400	134.800
GR	1505.400	140.800	1505.400	174.800	1511.600	199.600	0.000	0.000	0.000	0.000
X1	15.000	8.000	108.800	140.800	183.800	183.800	183.800	0.000	0.000	0.000
GR	1511.900	50.000	1505.680	74.800	1505.680	108.800	1503.680	114.800	1503.680	134.800
GR	1505.700	140.800	1505.680	174.800	1511.880	199.600	0.000	0.000	0.000	0.000
X1	16.000	0.000	108.800	140.800	5.000	5.000	5.000	0.000	0.008	0.000
X1	17.000	0.000	108.800	140.800	5.000	5.000	5.000	0.000	0.008	0.000
X1	18.000	8.000	108.800	140.800	6.240	6.240	6.240	0.000	0.000	0.000
GR	1515.400	50.000	1509.210	74.800	1509.210	108.800	1507.210	114.800	1507.210	134.800
GR	1509.200	140.800	1509.210	174.800	1515.410	199.600	0.000	0.000	0.000	0.000
X1	19.000	0.000	108.800	140.800	5.000	5.000	5.000	0.000	0.008	0.000
X1	20.000	0.000	108.800	140.800	195.000	195.000	195.000	0.000	0.293	0.000
X1	21.000	8.000	108.800	140.800	184.240	184.240	184.240	0.000	0.000	0.000
GR	1516.000	50.000	1509.790	74.800	1509.790	108.800	1507.790	114.800	1507.790	134.800
GR	1509.800	140.800	1509.790	174.800	1515.990	199.600	0.000	0.000	0.000	0.000
X1	22.000	0.000	108.800	140.800	5.000	5.000	5.000	0.000	0.008	0.000
X1	23.000	0.000	0.000	246.000	5.000	5.000	5.000	0.000	0.008	0.000
X1	24.000	8.000	108.800	140.800	5.760	5.760	5.760	0.000	0.000	0.000
GR	1520.100	50.000	1513.850	74.800	1513.850	108.800	1511.850	114.800	1511.850	134.800
GR	1513.900	140.800	1513.850	174.800	1520.050	199.600	0.000	0.000	0.000	0.000
X1	4.000	0.000	108.800	140.800	5.000	5.000	5.000	0.000	0.008	0.000
X1	5.000	0.000	108.800	140.800	5.000	5.000	5.000	0.000	0.008	0.000
X1	6.000	8.000	108.800	140.800	6.000	6.000	6.000	0.000	0.000	0.000
GR	1506.200	50.000	1500.020	74.800	1500.020	108.800	1498.020	114.800	1498.020	134.800
GR	1500.000	140.800	1500.020	174.800	1506.220	199.600	0.000	0.000	0.000	0.000
X1	7.000	0.000	108.800	140.800	6.000	6.000	6.000	0.000	0.009	0.000

X1	25.000	0.000	108.800	140.800	5.000	5.000	5.000	0.000	0.008	0.000
X1	30.000	0.000	108.800	140.800	296.000	296.000	296.000	0.000	0.444	0.000
X1	35.000	0.000	108.800	140.800	296.000	296.000	296.000	0.000	0.444	0.000
X1	40.000	0.000	108.800	140.800	20.000	20.000	20.000	0.000	4.112	0.000
X1	45.000	0.000	108.800	140.800	296.000	296.000	296.000	0.000	0.444	0.000
X1	50.000	0.000	108.800	140.800	296.000	296.000	296.000	0.000	0.444	0.000
X1	55.000	0.000	108.800	140.800	20.000	20.000	20.000	0.000	4.112	0.000
X1	60.000	0.000	108.800	140.800	296.000	296.000	296.000	0.000	0.444	0.000
X1	65.000	0.000	108.800	140.800	296.000	296.000	296.000	0.000	0.444	0.000
X1	70.000	0.000	108.800	140.800	20.000	20.000	20.000	0.000	4.112	0.000
X1	75.000	0.000	108.800	140.800	296.000	296.000	296.000	0.000	0.444	0.000
X1	80.000	0.000	108.800	140.800	296.000	296.000	296.000	0.000	0.444	0.000
X1	85.000	0.000	108.800	140.800	20.000	20.000	20.000	0.000	4.112	0.000
QT	1.000	3360.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	90.000	0.000	108.800	140.800	296.000	296.000	296.000	0.000	0.444	0.000
X1	100.000	0.000	108.800	140.800	296.000	296.000	296.000	0.000	0.444	0.000
X1	105.000	0.000	108.800	140.800	20.000	20.000	20.000	0.000	4.112	0.000
X1	110.000	0.000	108.800	140.800	296.000	296.000	296.000	0.000	0.444	0.000
X1	115.000	0.000	108.800	140.800	296.000	296.000	296.000	0.000	0.444	0.000
X1	120.000	0.000	108.800	140.800	20.000	20.000	20.000	0.000	4.112	0.000
X1	125.000	0.000	108.800	140.800	296.000	296.000	296.000	0.000	0.444	0.000
X1	130.000	0.000	108.800	140.800	296.000	296.000	296.000	0.000	0.444	0.000
X1	135.000	0.000	108.800	140.800	20.000	20.000	20.000	0.000	4.112	0.000
QT	1.000	2145.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	140.000	8.000	108.800	140.800	296.000	296.000	296.000	0.000	0.000	0.000
GR	1555.500	60.000	1549.300	84.800	1549.300	108.800	1547.300	114.800	1547.300	134.800
GR	1549.300	140.800	1549.300	164.800	1555.500	189.600	0.000	0.000	0.000	0.000
X1	145.000	0.000	108.800	140.800	296.000	296.000	296.000	0.000	0.444	0.000
X1	150.000	0.000	108.800	140.800	20.000	20.000	20.000	0.000	4.112	0.000
X1	155.000	0.000	108.800	140.800	296.000	296.000	296.000	0.000	0.444	0.000
X1	160.000	0.000	108.800	140.800	296.000	296.000	296.000	0.000	0.444	0.000
X1	165.000	0.000	108.800	140.800	20.000	20.000	20.000	0.000	4.112	0.000

X1	170.000	0.000	108.800	140.800	296.000	296.000	296.000	0.000	0.444	0.000
X1	175.000	0.000	108.800	140.800	296.000	296.000	296.000	0.000	0.444	0.000
X1	180.000	0.000	108.800	140.800	20.000	20.000	20.000	0.000	4.112	0.000
QT	1.000	2108.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	185.000	0.000	108.800	140.800	296.000	296.000	296.000	0.000	0.444	0.000
X1	190.000	0.000	108.800	140.800	296.000	296.000	296.000	0.000	0.444	0.000
X1	195.000	0.000	108.800	140.800	20.000	20.000	20.000	0.000	4.112	0.000
X1	200.000	0.000	108.800	140.800	296.000	296.000	296.000	0.000	0.444	0.000
X1	205.000	0.000	108.800	140.800	296.000	296.000	296.000	0.000	0.444	0.000
X1	210.000	0.000	108.800	140.800	20.000	20.000	20.000	0.000	4.112	0.000
X1	215.000	0.000	108.800	140.800	296.000	296.000	296.000	0.000	0.444	0.000
X1	220.000	0.000	108.800	140.800	296.000	296.000	296.000	0.000	0.444	0.000
X1	225.000	0.000	108.800	140.800	20.000	20.000	20.000	0.000	4.112	0.000
X1	230.000	0.000	108.800	140.800	296.000	296.000	296.000	0.000	0.444	0.000
X1	235.000	0.000	108.800	140.800	296.000	296.000	296.000	0.000	0.444	0.000
X1	240.000	0.000	108.800	140.800	20.000	20.000	20.000	0.000	4.112	0.000
QT	1.000	1906.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	245.000	0.000	108.800	140.800	296.000	296.000	296.000	0.000	0.444	0.000
X1	250.000	0.000	108.800	140.800	296.000	296.000	296.000	0.000	0.444	0.000
X1	255.000	0.000	108.800	140.800	20.000	20.000	20.000	0.000	4.112	0.000
X1	260.000	0.000	108.800	140.800	296.000	296.000	296.000	0.000	0.444	0.000
X1	265.000	0.000	108.800	140.800	296.000	296.000	296.000	0.000	0.444	0.000
X1	270.000	0.000	108.800	140.800	20.000	20.000	20.000	0.000	4.112	0.000
QT	1.000	1735.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	275.000	0.000	108.800	140.800	296.000	296.000	296.000	0.000	0.444	0.000
X1	280.000	0.000	108.800	140.800	296.000	296.000	296.000	0.000	0.444	0.000
X1	285.000	0.000	108.800	140.800	20.000	20.000	20.000	0.000	4.112	0.000
X1	290.000	0.000	108.800	140.800	296.000	296.000	296.000	0.000	0.444	0.000
X1	295.000	0.000	108.800	140.800	296.000	296.000	296.000	0.000	0.444	0.000
X1	300.000	0.000	108.800	140.800	20.000	20.000	20.000	0.000	4.112	0.000
X1	305.000	0.000	108.800	140.800	296.000	296.000	296.000	0.000	0.444	0.000
X1	310.000	0.000	108.800	140.800	296.000	296.000	296.000	0.000	0.444	0.000

X1	315.000	0.000	108.800	140.800	20.000	20.000	20.000	0.000	4.112	0.000
NC	0.027	0.027	0.027	0.100	0.300	0.000	0.000	0.000	0.000	0.000
QT	1.000	1464.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	320.000	4.000	60.000	189.600	296.000	296.000	296.000	0.000	0.000	0.000
GR	1616.400	60.000	1610.200	84.800	1610.200	164.800	1616.400	189.600	0.000	0.000
X1	325.000	0.000	108.800	140.800	296.000	296.000	296.000	0.000	0.888	0.000
X1	330.000	0.000	108.800	140.800	20.000	20.000	20.000	0.000	3.224	0.000
X1	335.000	0.000	108.800	140.800	296.000	296.000	296.000	0.000	0.888	0.000
X1	340.000	0.000	108.800	140.800	296.000	296.000	296.000	0.000	0.888	0.000
X1	345.000	0.000	108.800	140.800	20.000	20.000	20.000	0.000	3.224	0.000
X1	350.000	0.000	108.800	140.800	296.000	296.000	296.000	0.000	0.888	0.000
X1	355.000	0.000	108.800	140.800	296.000	296.000	296.000	0.000	0.888	0.000
X1	360.000	0.000	108.800	140.800	20.000	20.000	20.000	0.000	3.224	0.000
X1	365.000	0.000	108.800	140.800	296.000	296.000	296.000	0.000	0.888	0.000
X1	370.000	0.000	108.800	140.800	296.000	296.000	296.000	0.000	0.888	0.000
X1	375.000	0.000	108.800	140.800	20.000	20.000	20.000	0.000	3.224	0.000
QT	1.000	654.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	380.000	4.000	75.000	174.600	296.000	296.000	296.000	0.000	0.000	0.000
GR	1636.700	75.000	1630.500	99.800	1630.500	149.800	1636.700	174.600	0.000	0.000
X1	385.000	0.000	75.000	174.600	296.000	296.000	296.000	0.000	1.180	0.000
X1	390.000	0.000	75.000	174.600	20.000	20.000	20.000	0.000	2.640	0.000
X1	395.000	0.000	75.000	174.600	296.000	296.000	296.000	0.000	1.180	0.000
X1	400.000	0.000	75.000	174.600	296.000	296.000	296.000	0.000	1.180	0.000
X1	405.000	0.000	75.000	174.600	20.000	20.000	20.000	0.000	2.640	0.000
X1	410.000	0.000	75.000	174.600	296.000	296.000	296.000	0.000	1.180	0.000
EJ	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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

*PROF 1


CCHV=   0.100 CEHV=   0.300
*SECNO 1.000
3710 WSEL ASSUMED BASED ON MIN DIFF
     1.00      5.57   1497.38   1497.38   1497.00   1499.14      1.76      0.00      0.00   1493.80
    3790.      796.     2198.      796.      147.      166.      147.        0.        0.   1493.80
     0.00      5.41     13.21      5.41     0.027     0.015     0.027     0.000   1491.80     60.50
 0.002028        0.        0.        0.         0         7         0     -0.00    128.60    189.10


*SECNO 2.000
3720 CRITICAL DEPTH ASSUMED
     2.00      5.98   1498.28      0.00      0.00   1499.69      1.42      0.52      0.03   1494.30
    3790.      826.     2139.      826.      166.      179.      166.        3.        1.   1494.30
     0.01      4.97     11.95      4.97     0.027     0.015     0.027     0.000   1492.30     58.94
 0.001507      300.      300.      300.         3         0         0     -0.00    131.73    190.66


*SECNO 3.000
     3.00      6.10   1498.78      0.00      0.00   1500.11      1.33      0.41      0.01   1494.68
    3790.      836.     2121.      833.      173.      183.      173.        7.        2.   1494.70
     0.02      4.84     11.59      4.83     0.027     0.015     0.027     0.000   1492.68     58.47
 0.001374      284.      284.      284.         0         0         0     -0.00    132.72    191.19


*SECNO 4.000
     4.00      6.11   1498.80      0.00      0.00   1500.12      1.32      0.01      0.00   1494.69
    3790.      836.     2120.      834.      173.      183.      173.        7.        2.   1494.71
     0.02      4.83     11.57      4.82     0.027     0.015     0.027     0.000   1492.69     58.44
 0.001367        5.        5.        5.         0         0         0     -0.00    132.78    191.22


*SECNO 5.000
3710 WSEL ASSUMED BASED ON MIN DIFF
3720 CRITICAL DEPTH ASSUMED
     5.00      6.11   1498.81      0.00      0.00   1500.13      1.32      0.01      0.00   1494.69
    3790.      836.     2120.      834.      173.      183.      173.        7.        2.   1494.71
     0.02      4.82     11.56      4.82     0.027     0.015     0.027     0.000   1492.69     58.42
 0.001363        5.        5.        5.         0         0         0     -0.00    132.82    191.24
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS     BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA     LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST
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*SECNO 6.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY

6.00	5.57	1503.59	1503.59	0.00	1505.35	1.76	0.01	0.13	1500.02
3790.	795.	2198.	798.	147.	166.	147.	7.	2.	1500.00
0.02	5.41	13.22	5.42	0.027	0.015	0.027	0.000	1498.02	60.48
0.002031	6.	6.	6.	20	11	0	-0.00	128.60	189.08

*SECNO 7.000

7.00	5.59	1503.62	1503.61	0.00	1505.37	1.75	0.01	0.00	1500.03
3790.	796.	2195.	799.	148.	167.	148.	7.	2.	1500.01
0.02	5.39	13.16	5.40	0.027	0.015	0.027	0.000	1498.03	60.41
0.002004	6.	6.	6.	0	5	0	-0.00	128.74	189.14

*SECNO 8.000
3720 CRITICAL DEPTH ASSUMED

8.00	6.00	1504.25	0.00	0.00	1505.65	1.40	0.25	0.03	1500.25
3790.	830.	2136.	823.	168.	180.	167.	9.	2.	1500.30
0.02	4.94	11.87	4.92	0.027	0.015	0.027	0.000	1498.25	58.92
0.001476	144.	144.	144.	5	0	0	-0.00	131.89	190.81

*SECNO 9.000
3710 WSEL ASSUMED BASED ON MIN DIFF
3720 CRITICAL DEPTH ASSUMED

9.00	6.04	1504.48	0.00	0.00	1505.84	1.36	0.19	0.00	1500.44
3790.	829.	2126.	834.	170.	181.	170.	10.	3.	1500.40
0.03	4.88	11.73	4.90	0.027	0.015	0.027	0.000	1498.44	58.56
0.001427	129.	129.	129.	0	0	0	-0.00	132.38	190.94

*SECNO 10.000

10.00	6.04	1504.49	0.00	0.00	1505.85	1.36	0.01	0.00	1500.45
3790.	829.	2126.	835.	170.	181.	171.	10.	3.	1500.41
0.03	4.88	11.73	4.90	0.027	0.015	0.027	0.000	1498.45	58.55
0.001424	5.	5.	5.	0	0	0	-0.00	132.39	190.95

*SECNO 11.000
3710 WSEL ASSUMED BASED ON MIN DIFF
3720 CRITICAL DEPTH ASSUMED

MAR 23, 1987 06:25 PM PAGE

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
11.00	6.04	1504.49	0.00	0.00	1505.85	1.36	0.01	0.00	1500.45
3790.	829.	2126.	835.	170.	181.	171.	10.	3.	1500.41
0.03	4.88	11.72	4.89	0.027	0.015	0.027	0.000	1498.45	58.54
0.001423	5.	5.	5.	0	0	0	-0.00	132.41	190.95

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*SECNO 12.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
   12.00     5.58  1508.83  1508.83     0.00  1510.60     1.77     0.02     0.12  1505.25
   3790.     798.     2201.     791.     147.     166.     147.      10.       3.  1505.30
    0.03     5.42     13.22     5.40    0.027    0.015    0.027    0.000  1503.25    60.59
0.002032      11.       11.      11.       20       11        0    -0.00   128.53   189.12


*SECNO 13.000
   13.00     5.61  1508.87  1508.85     0.00  1510.61     1.75     0.01     0.00  1505.26
   3790.     800.     2198.     793.     148.     167.     148.      10.       3.  1505.31
    0.03     5.40     13.15     5.37    0.027    0.015    0.027    0.000  1503.26    60.51
0.001999       6.        6.       6.        0        5        0    -0.00   128.70   189.21


*SECNO 14.000
   14.00     6.05  1509.45     0.00     0.00  1510.81     1.36     0.16     0.04  1505.40
   3790.     831.     2127.     831.     170.     181.     170.      12.       3.  1505.40
    0.03     4.88     11.72     4.88    0.027    0.015    0.027    0.000  1503.40    58.62
0.001423      94.       94.      94.        6        0        0    -0.00   132.36   190.98


*SECNO 15.000
   15.00     6.02  1509.70     0.00     0.00  1511.08     1.38     0.26     0.01  1505.68
   3790.     830.     2132.     828.     169.     181.     169.      14.       4.  1505.70
    0.04     4.92     11.81     4.91    0.027    0.015    0.027    0.000  1503.68    58.78
0.001454     184.      184.     184.        3        0        0    -0.00   132.10   190.87


*SECNO 16.000
   16.00     6.02  1509.70     0.00     0.00  1511.09     1.38     0.01     0.00  1505.69
   3790.     830.     2133.     827.     169.     180.     168.      14.       4.  1505.71
    0.04     4.92     11.82     4.91    0.027    0.015    0.027    0.000  1503.69    58.79
0.001456       5.        5.       5.        0        0        0    -0.00   132.08   190.87

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

*SECNO 17.000
   17.00     6.02  1509.71     0.00     0.00  1511.09     1.38     0.01     0.00  1505.69
   3790.     830.     2133.     827.     169.     180.     168.      14.       4.  1505.71
    0.04     4.92     11.82     4.91    0.027    0.015    0.027    0.000  1503.69    58.79
0.001457       5.        5.       5.        0        0        0    -0.00   132.07   190.86


*SECNO 18.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
   18.00     5.57  1512.78  1512.78     0.00  1514.55     1.76     0.01     0.11  1509.21
   3790.     795.     2198.     797.     147.     166.     147.      14.       4.  1509.20
    0.04     5.41     13.22     5.41    0.027    0.015    0.027    0.000  1507.21    60.49
0.002030       6.        6.       6.       20       11        0    -0.00   128.60   189.09


*SECNO 19.000
   19.00     5.59  1512.81  1512.80     0.00  1514.56     1.75     0.01     0.00  1509.22
   3790.     797.     2195.     798.     148.     167.     148.      14.       4.  1509.21
    0.04     5.39     13.16     5.39    0.027    0.015    0.027    0.000  1507.22    60.42
0.002002       5.        5.       5.        0        5        0    -0.00   128.74   189.16
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*SECNO 20.000
    20.00     6.06  1513.57     0.00     0.00  1514.92     1.35     0.32     0.04  1509.51
    3790.     832.     2125.     833.     171.     182.     171.     16.       4.  1509.50
     0.04     4.86     11.68     4.87    0.027    0.015    0.027    0.000  1507.51    58.54
 0.001406     195.      195.     195.        4        0        0    -0.00   132.50   191.04


*SECNO 21.000
    21.00     6.03  1513.82     0.00     0.00  1515.19     1.37     0.26     0.01  1509.79
    3790.     831.     2130.     829.     169.     181.     169.     18.       5.  1509.80
     0.05     4.90     11.77     4.90    0.027    0.015    0.027    0.000  1507.79    58.71
 0.001440     184.      184.     184.        3        0        0    -0.00   132.21   190.92


*SECNO 22.000
3710 WSEL ASSUMED BASED ON MIN DIFF
3720 CRITICAL DEPTH ASSUMED
    22.00     6.03  1513.82     0.00     0.00  1515.20     1.37     0.01     0.00  1509.80
    3790.     831.     2130.     829.     169.     181.     169.     18.       5.  1509.81
     0.05     4.90     11.78     4.90    0.027    0.015    0.027    0.000  1507.80    58.71
 0.001442       5.        5.       5.        0        0        0    -0.00   132.20   190.91


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

*SECNO 23.000
    23.00     6.03  1513.83     0.00     0.00  1515.21     1.37     0.01     0.00  1509.80
    3790.     830.     2130.     829.     169.     181.     169.     18.       5.  1509.81
     0.05     4.91     11.78     4.90    0.027    0.015    0.027    0.000  1507.80    58.72
 0.001443       5.        5.       5.        0        0        0    -0.00   132.19   190.91


*SECNO 24.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
    24.00     5.58  1517.43  1517.43     0.00  1519.20     1.77     0.01     0.12  1513.85
    3790.     798.     2201.     791.     147.     166.     147.     19.       5.  1513.90
     0.05     5.42     13.22     5.40    0.027    0.015    0.027    0.000  1511.85    60.59
 0.002032       6.        6.       6.       20       11        0    -0.00   128.53   189.12


*SECNO 25.000
    25.00     5.60  1517.46  1517.45     0.00  1519.21     1.75     0.01     0.00  1513.86
    3790.     800.     2198.     792.     148.     167.     147.     19.       5.  1513.91
     0.05     5.40     13.16     5.37    0.027    0.015    0.027    0.000  1511.86    60.52
 0.002003       5.        5.       5.        0        5        0    -0.00   128.68   189.20


*SECNO 30.000
    30.00     6.12  1518.42     0.00     0.00  1519.74     1.32     0.48     0.04  1514.30
    3790.     838.     2120.     832.     174.     184.     173.     22.       6.  1514.35
     0.06     4.83     11.54     4.80    0.027    0.015    0.027    0.000  1512.30    58.46
 0.001358     296.      296.     296.        4        0        0    -0.00   132.82   191.27


*SECNO 35.000
    35.00     6.06  1518.80     0.00     0.00  1520.16     1.36     0.41     0.01  1514.75
    3790.     834.     2129.     827.     171.     182.     170.     26.       7.  1514.79
     0.07     4.89     11.71     4.87    0.027    0.015    0.027    0.000  1512.75    58.70
 0.001418     296.      296.     296.        3        0        0    -0.00   132.33   191.03
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*SECNO 40.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
   40.00     5.58  1522.44  1522.44     0.00  1524.21     1.77     0.03     0.12  1518.86
   3790.     798.    2201.     791.     147.     166.     147.     26.       7.  1518.91
    0.07     5.42    13.22     5.39    0.027    0.015    0.027    0.000  1516.86    60.58
0.002029      20.      20.      20.       20       11        0    -0.00   128.55   189.13

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

*SECNO 45.000
3720 CRITICAL DEPTH ASSUMED
   45.00     6.12  1523.42     0.00     0.00  1524.74     1.32     0.49     0.04  1519.30
   3790.     838.    2120.     832.     174.     184.     173.     29.       8.  1519.35
    0.08     4.83    11.55     4.80    0.027    0.015    0.027    0.000  1517.30    58.46
0.001358     296.     296.     296.        4        0        0    -0.00   132.82   191.27

*SECNO 50.000
   50.00     6.06  1523.80     0.00     0.00  1525.16     1.36     0.41     0.01  1519.74
   3790.     834.    2128.     827.     171.     182.     170.     33.       8.  1519.79
    0.09     4.89    11.71     4.86    0.027    0.015    0.027    0.000  1517.74    58.69
0.001418     296.     296.     296.        3        0        0    -0.00   132.34   191.04

*SECNO 55.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
   55.00     5.58  1527.44  1527.44     0.00  1529.20     1.77     0.03     0.12  1523.86
   3790.     798.    2201.     791.     147.     166.     147.     33.       9.  1523.91
    0.09     5.42    13.22     5.40    0.027    0.015    0.027    0.000  1521.86    60.59
0.002032      20.      20.      20.       20       11        0    -0.00   128.53   189.12

*SECNO 60.000
   60.00     6.12  1528.42     0.00     0.00  1529.74     1.32     0.49     0.05  1524.30
   3790.     838.    2120.     832.     174.     184.     173.     36.       9.  1524.35
    0.10     4.82    11.54     4.80    0.027    0.015    0.027    0.000  1522.30    58.45
0.001357     296.     296.     296.        4        0        0    -0.00   132.82   191.28

*SECNO 65.000
3720 CRITICAL DEPTH ASSUMED
   65.00     6.06  1528.80     0.00     0.00  1530.16     1.36     0.41     0.01  1524.74
   3790.     834.    2128.     828.     171.     182.     170.     40.      10.  1524.79
    0.11     4.89    11.71     4.86    0.027    0.015    0.027    0.000  1522.74    58.69
0.001417     296.     296.     296.        3        0        0    -0.00   132.34   191.04

*SECNO 70.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
   70.00     5.58  1532.44  1532.44     0.00  1534.20     1.77     0.03     0.12  1528.86
   3790.     798.    2201.     791.     147.     166.     147.     40.      10.  1528.91
    0.11     5.42    13.22     5.40    0.027    0.015    0.027    0.000  1526.86    60.59
0.002032      20.      20.      20.       20       11        0    -0.00   128.53   189.12
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS     BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA     LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

*SECNO 75.000
    75.00      6.12   1533.42      0.00      0.00   1534.74      1.32      0.49      0.05   1529.30
    3790.      838.     2120.      832.      174.     184.      173.       43.       11.   1529.35
     0.12      4.82     11.54      4.80     0.027    0.015     0.027     0.000   1527.30     58.45
 0.001358      296.      296.      296.         4        0         0     -0.00    132.82    191.28


*SECNO 80.000
3720 CRITICAL DEPTH ASSUMED
    80.00      6.06   1533.80      0.00      0.00   1535.16      1.36      0.41      0.01   1529.74
    3790.      834.     2128.      828.      171.     182.      170.       47.       12.   1529.79
     0.13      4.89     11.71      4.86     0.027    0.015     0.027     0.000   1527.74     56.69
 0.001417      296.      296.      296.         3        0         0     -0.00    132.34    191.04


*SECNO 85.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
    85.00      5.58   1537.44   1537.44      0.00   1539.20      1.77      0.03      0.12   1533.86
    3790.      798.     2201.      791.      147.     166.      147.       47.       12.   1533.91
     0.13      5.42     13.22      5.40     0.027    0.015     0.027     0.000   1531.65     60.59
 0.002032       20.       20.       20.        20       11         0     -0.00    128.53    189.12


*SECNO 90.000

3301 HV CHANGED MORE THAN HVINS
    90.00      6.52   1538.82      0.00      0.00   1539.67      0.85      0.37      0.09   1534.30
    3360.      766.     1834.      761.      194.     196.      194.       51.       13.   1534.35
     0.14      3.94      9.33      3.93     0.027    0.015     0.027     0.000   1532.30     56.87
 0.000812      296.      296.      296.         4        0         0     -0.00    136.01    192.88


*SECNO 100.000
   100.00      6.26   1539.00      0.00      0.00   1539.96      0.96      0.26      0.03   1534.74
    3360.      751.     1863.      746.      181.     188.      180.       55.       14.   1534.79
     0.15      4.15      9.90      4.14     0.027    0.015     0.027     0.000   1532.74     57.90
 0.000967      296.      296.      296.         2        0         0     -0.00    133.94    191.84


*SECNO 105.000


   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS     BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA     LEFT/RIGHT
   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
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
   105.00      5.30   1542.15   1542.15      0.00   1543.80      1.65      0.03      0.21   1538.85
    3360.      686.     1995.      679.      134.     157.      133.       55.       14.   1538.90
     0.15      5.13     12.68      5.11     0.027    0.015     0.027     0.000   1536.85     61.72
 0.002015       20.       20.       20.        20       15         0     -0.00    126.26    187.98
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*SECNO 110.000
  110.00     5.79  1543.08     0.00     0.00  1544.33     1.24     0.49     0.04  1539.30
   3360.      721.     1924.     715.     157.     173.     156.      58.      15.  1539.35
    0.16     4.60     11.14     4.58    0.027    0.015    0.027    0.000  1537.30    59.82
0.001373     296.      296.     296.        3        0        0    -0.00   130.09   189.90


*SECNO 115.000
  115.00     5.74  1543.48     0.00     0.00  1544.75     1.27     0.41     0.01  1539.74
   3360.      719.     1929.     712.     155.     171.     154.      61.      16.  1539.79
    0.17     4.64     11.25     4.62    0.027    0.015    0.027    0.000  1537.74    59.97
0.001414     296.      296.     296.        3        0        0    -0.00   129.78   189.75


*SECNO 120.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
  120.00     5.29  1547.15  1547.15     0.00  1548.80     1.65     0.03     0.11  1543.85
   3360.      686.     1996.     679.     133.     157.     133.      61.      16.  1543.90
    0.17     5.14     12.70     5.11    0.027    0.015    0.027    0.000  1541.85    61.74
0.002021      20.       20.      20.       20       11        0    -0.00   126.23   187.97


*SECNO 125.000
  125.00     5.79  1548.09     0.00     0.00  1549.33     1.24     0.49     0.04  1544.30
   3360.      721.     1924.     715.     157.     173.     156.      65.      17.  1544.35
    0.18     4.60     11.14     4.58    0.027    0.015    0.027    0.000  1542.30    59.81
0.001372     296.      296.     296.        3        0        0    -0.00   130.10   189.91


*SECNO 130.000
  130.00     5.74  1548.48     0.00     0.00  1549.75     1.27     0.41     0.01  1544.74
   3360.      719.     1929.     712.     155.     171.     154.      68.      18.  1544.79
    0.19     4.64     11.25     4.62    0.027    0.015    0.027    0.000  1542.74    59.97
0.001413     296.      296.     296.        3        0        0    -0.00   129.79   189.75


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

*SECNO 135.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
  135.00     5.29  1552.15  1552.15     0.00  1553.80     1.65     0.03     0.11  1548.85
   3360.      686.     1996.     679.     133.     157.     133.      68.      18.  1548.90
    0.19     5.14     12.69     5.11    0.027    0.015    0.027    0.000  1546.85    61.73
0.002020      20.       20.      20.       20       11        0    -0.00   126.24   187.97


*SECNO 140.000

3301 HV CHANGED MORE THAN HVINS
3720 CRITICAL DEPTH ASSUMED
  140.00     6.40  1553.70     0.00     0.00  1554.20     0.51     0.29     0.11  1549.30
   2145.      408.     1330.     408.     144.     193.     144.      71.      19.  1549.30
    0.21     2.83     6.90     2.83    0.027    0.015    0.027    0.000  1547.30    67.22
0.000456     296.      296.     296.        3        0        0    -0.00   115.15   182.38
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*SECNO 145.000
   145.00     6.04  1553.78     0.00     0.00  1554.39     0.60     0.15     0.03  1549.74
    2145.     394.    1357.     394.     130.     181.     130.     74.      19.  1549.74
     0.22     3.04     7.48     3.04    0.027    0.015    0.027    0.000  1547.74    68.63
 0.000580     296.     296.     296.        2        0        0    -0.00   112.33   180.97


*SECNO 150.000

3301 HV CHANGED MORE THAN HVINS
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
   150.00     4.59  1556.45  1556.45     0.00  1557.89     1.44     0.02     0.25  1553.86
    2145.     320.    1505.     320.      76.     135.      76.     74.      19.  1553.86
     0.22     4.23    11.16     4.23    0.027    0.015    0.027    0.000  1551.86    74.44
 0.001913      20.      20.      20.       20       19        0    -0.00   100.72   175.16


*SECNO 155.000
   155.00     4.98  1557.28     0.00     0.00  1558.39     1.11     0.47     0.03  1554.30
    2145.     343.    1459.     343.      89.     147.      89.     77.      20.  1554.30
     0.23     3.86     9.91     3.86    0.027    0.015    0.027    0.000  1552.30    72.91
 0.001346     296.     296.     296.        3        0        0    -0.00   103.78   176.59


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

*SECNO 160.000
3720 CRITICAL DEPTH ASSUMED
   160.00     4.91  1557.66     0.00     0.00  1558.81     1.15     0.41     0.01  1554.74
    2145.     340.    1465.     340.      87.     145.      87.     79.      21.  1554.74
     0.24     3.91    10.09     3.91    0.027    0.015    0.027    0.000  1552.74    73.14
 0.001417     296.     296.     296.        3        0        0    -0.00   103.31   176.46


*SECNO 165.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
   165.00     4.59  1561.44  1561.44     0.00  1562.89     1.44     0.03     0.09  1558.86
    2145.     320.    1506.     320.      75.     135.      75.     79.      21.  1558.86
     0.24     4.24    11.17     4.24    0.027    0.015    0.027    0.000  1556.86    74.45
 0.001920      20.      20.      20.       20       11        0    -0.00   100.70   175.15


*SECNO 170.000
   170.00     4.98  1562.28     0.00     0.00  1563.39     1.11     0.47     0.03  1559.30
    2145.     343.    1458.     343.      89.     147.      89.     81.      22.  1559.30
     0.25     3.85     9.91     3.85    0.027    0.015    0.027    0.000  1557.30    72.90
 0.001343     296.     296.     296.        3        0        0    -0.00   103.80   176.70


*SECNO 175.000
   175.00     4.91  1562.66     0.00     0.00  1563.81     1.15     0.41     0.01  1559.74
    2145.     340.    1465.     340.      87.     145.      87.     83.      22.  1559.74
     0.26     3.91    10.08     3.91    0.027    0.015    0.027    0.000  1557.74    73.14
 0.001415     296.     296.     296.        3        0        0    -0.00   103.32   176.46
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*SECNO 180.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
   180.00     4.59  1566.44  1566.44     0.00  1567.88     1.44     0.03     0.09  1563.85
    2145.     320.     1506.     320.     75.     135.     75.     83.     22.  1563.85
     0.27     4.24     11.17     4.24  0.027    0.015    0.027    0.000  1561.85    74.45
 0.001920      20.      20.      20.     20       11        0    -0.00   100.70   175.15


*SECNO 185.000
   185.00     5.05  1567.35     0.00     0.00  1568.38     1.03     0.45     0.04  1564.30
    2108.     341.     1426.     341.     91.     149.     91.     85.     23.  1564.30
     0.28     3.73     9.55     3.73  0.027    0.015    0.027    0.000  1562.30    72.64
 0.001225     296.     296.     296.      3        0        0    -0.00   104.32   176.96


MAR 23, 1987  06:25 PM

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

*SECNO 190.000
3720 CRITICAL DEPTH ASSUMED
   190.00     4.93  1567.68     0.00     0.00  1568.78     1.10     0.38     0.02  1564.74
    2108.     335.     1438.     335.     88.     146.     88.     88.     24.  1564.74
     0.29     3.83     9.86     3.83  0.027    0.015    0.027    0.000  1562.74    73.07
 0.001346     296.     296.     296.      3        0        0    -0.00   103.46   176.53


*SECNO 195.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
   195.00     4.55  1571.41  1571.41     0.00  1572.84     1.43     0.03     0.10  1568.85
    2108.     312.     1484.     312.     74.     134.     74.     88.     24.  1568.85
     0.29     4.20     11.10     4.20  0.027    0.015    0.027    0.000  1566.85    74.58
 0.001914      20.      20.      20.     20       11        0    -0.00   100.44   175.02


*SECNO 200.000
   200.00     4.94  1572.24     0.00     0.00  1573.34     1.10     0.47     0.03  1569.30
    2108.     335.     1438.     335.     88.     146.     88.     90.     24.  1569.30
     0.30     3.82     9.85     3.82  0.027    0.015    0.027    0.000  1567.30    73.06
 0.001344     296.     296.     296.      3        0        0    -0.00   103.48   176.54


*SECNO 205.000
   205.00     4.87  1572.62     0.00     0.00  1573.76     1.14     0.41     0.01  1569.74
    2108.     332.     1444.     332.     86.     144.     86.     92.     25.  1569.74
     0.31     3.88     10.03     3.88  0.027    0.015    0.027    0.000  1567.74    73.30
 0.001417     296.     296.     296.      3        0        0    -0.00   103.00   176.30


*SECNO 210.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
   210.00     4.55  1576.41  1576.41     0.00  1577.83     1.43     0.03     0.09  1573.85
    2108.     312.     1484.     312.     74.     134.     74.     92.     25.  1573.85
     0.31     4.20     11.11     4.20  0.027    0.015    0.027    0.000  1571.85    74.59
 0.001919      20.      20.      20.     20       11        0    -0.00   100.41   175.01
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*SECNO 215.000
3720 CRITICAL DEPTH ASSUMED
   215.00     4.94  1577.24     0.00     0.00  1578.34     1.10     0.47     0.03  1574.30
    2108.     335.    1437.     335.      88.     146.      88.      94.      26.  1574.30
     0.32     3.82     9.85     3.82    0.027    0.015    0.027    0.000  1572.30    73.06
 0.001342     296.     296.     296.        3        0        0    -0.00   103.49   176.54
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   SECNO     DEPTH    CWSEL    CRIWS    WSELK       EG       HV       HL    OLOSS   BANK ELEV
   Q         QLOB     QCH      QROB     ALOB      ACH      AROB     VOL      TWA   LEFT/RIGHT
   TIME      VLOB     VCH      VROB     XNL       XNCH     XNR      WTN      ELMIN     SSTA
   SLOPE     XLOBL    XLCH     XLOBR    ITRIAL    IDC      ICONT    CORAR    TOPWID    ENDST

*SECNO 220.000
   220.00     4.88  1577.62     0.00     0.00  1578.76     1.14     0.41     0.01  1574.74
    2108.     332.    1444.     332.      86.     144.      86.      96.      27.  1574.74
     0.33     3.88    10.03     3.88    0.027    0.015    0.027    0.000  1572.74    73.29
 0.001415     296.     296.     296.        3        0        0    -0.00   103.01   176.31

*SECNO 225.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
   225.00     4.55  1581.41  1581.41     0.00  1582.83     1.43     0.03     0.09  1578.85
    2108.     312.    1484.     312.      74.     134.      74.      96.      27.  1578.85
     0.33     4.20    11.10     4.20    0.027    0.015    0.027    0.000  1576.85    74.59
 0.001919      20.      20.      20.       20       11        0    -0.00   100.41   175.01

*SECNO 230.000
   230.00     4.94  1582.24     0.00     0.00  1583.34     1.10     0.47     0.03  1579.30
    2108.     335.    1437.     335.      88.     146.      88.      98.      27.  1579.30
     0.34     3.82     9.85     3.82    0.027    0.015    0.027    0.000  1577.30    73.06
 0.001342     296.     296.     296.        3        0        0    -0.00   103.49   176.54

*SECNO 235.000
   235.00     4.88  1582.62     0.00     0.00  1583.76     1.14     0.41     0.01  1579.74
    2108.     332.    1444.     332.      86.     144.      86.     101.      28.  1579.74
     0.35     3.88    10.03     3.88    0.027    0.015    0.027    0.000  1577.74    73.29
 0.001415     296.     296.     296.        3        0        0    -0.00   103.01   176.31

*SECNO 240.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
   240.00     4.55  1586.40  1586.40     0.00  1587.83     1.43     0.03     0.09  1583.85
    2108.     312.    1484.     312.      74.     134.      74.     101.      28.  1583.85
     0.35     4.20    11.10     4.20    0.027    0.015    0.027    0.000  1581.85    74.59
 0.001919      20.      20.      20.       20       11        0    -0.00   100.41   175.01

*SECNO 245.000

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

  245.00      5.22  1587.52      0.00      0.00  1588.27      0.75      0.37      0.07   1584.30
   1906.      317.    1273.      317.      98.     155.      98.      103.       29.   1584.30
    0.36      3.24     8.22      3.24     0.027    0.015     0.027    0.000   1582.30     71.94
0.000863      296.     296.      296.         3        0         0    -0.00    105.72    177.66


*SECNO 250.000
3720 CRITICAL DEPTH ASSUMED
  250.00      4.98  1587.72      0.00      0.00  1588.59      0.87      0.28      0.04   1584.74
   1906.      306.    1295.      306.      89.     147.      89.      105.       29.   1584.74
    0.37      3.42     8.78      3.42     0.027    0.015     0.027    0.000   1582.74     72.87
0.001053      296.     296.      296.         2        0         0    -0.00    103.86    176.73


*SECNO 255.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
  255.00      4.36  1591.21   1591.21      0.00  1592.56      1.35      0.03      0.14   1588.85
   1906.      270.    1366.      270.      68.     127.      68.      105.       29.   1588.85
    0.38      3.99    10.72      3.99     0.027    0.015     0.027    0.000   1586.85     75.38
0.001907       20.      20.       20.        20       15         0    -0.00     98.85    174.22


*SECNO 260.000
3720 CRITICAL DEPTH ASSUMED
  260.00      4.72  1592.02      0.00      0.00  1593.06      1.04      0.47      0.03   1589.30
   1906.      292.    1323.      292.      80.     139.      80.      107.       30.   1589.30
    0.39      3.64     9.52      3.64     0.027    0.015     0.027    0.000   1587.30     73.93
0.001337      296.     296.      296.         3        0         0    -0.00    101.75    175.67


*SECNO 265.000
  265.00      4.65  1592.39      0.00      0.00  1593.48      1.09      0.41      0.01   1589.74
   1906.      288.    1330.      288.      78.     137.      78.      109.       31.   1589.74
    0.40      3.70     9.71      3.70     0.027    0.015     0.027    0.000   1587.74     74.18
0.001420      296.     296.      296.         3        0         0    -0.00    101.24    175.42


*SECNO 270.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
  270.00      4.36  1596.21   1596.21      0.00  1597.56      1.35      0.03      0.08   1593.85
   1906.      270.    1366.      270.      68.     127.      68.      109.       31.   1593.85
    0.40      3.99    10.72      3.99     0.027    0.015     0.027    0.000   1591.85     75.37
0.001903       20.      20.       20.        20       11         0    -0.00     98.87    174.23


MAR 23, 1987  06:25 PM

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

*SECNO 275.000
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3301 HV CHANGED MORE THAN HVINS
3720 CRITICAL DEPTH ASSUMED

275.00	4.97	1597.27	0.00	0.00	1598.00	0.73	0.38	0.06	1594.30
1735.	277.	1181.	277.	89.	147.	89.	111.	32.	1594.30
0.41	3.13	8.04	3.13	0.027	0.015	0.027	0.000	1592.30	72.95
0.000889	296.	296.	296.	3	0	0	-0.00	103.69	176.65

*SECNO 280.000

280.00	4.73	1597.47	0.00	0.00	1598.32	0.85	0.29	0.04	1594.74
1735.	266.	1202.	266.	81.	140.	81.	114.	32.	1594.74
0.42	3.30	8.61	3.30	0.027	0.015	0.027	0.000	1592.74	73.85
0.001089	296.	296.	296.	2	0	0	-0.00	101.90	175.75

*SECNO 285.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY

285.00	4.18	1601.03	1601.03	0.00	1602.31	1.28	0.03	0.13	1598.85
1735.	235.	1265.	235.	62.	122.	62.	114.	32.	1598.85
0.42	3.80	10.38	3.80	0.027	0.015	0.027	0.000	1596.85	76.07
0.001896	20.	20.	20.	20	15	0	-0.00	97.46	173.53

*SECNO 290.000

290.00	4.53	1601.82	0.00	0.00	1602.81	0.99	0.47	0.03	1599.30
1735.	255.	1225.	255.	73.	133.	73.	115.	33.	1599.30
0.43	3.48	9.22	3.48	0.027	0.015	0.027	0.000	1597.30	74.70
0.001334	296.	296.	296.	3	0	0	-0.00	100.20	174.90

*SECNO 295.000

295.00	4.46	1602.20	0.00	0.00	1603.23	1.04	0.41	0.01	1599.74
1735.	252.	1232.	252.	71.	131.	71.	117.	34.	1599.74
0.44	3.54	9.43	3.54	0.027	0.015	0.027	0.000	1597.74	74.97
0.001425	296.	296.	296.	3	0	0	-0.00	99.67	174.63

*SECNO 300.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
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

300.00	4.18	1606.03	1606.03	0.00	1607.31	1.28	0.03	0.07	1603.85
1735.	235.	1265.	235.	62.	122.	62.	117.	34.	1603.85
0.44	3.80	10.39	3.80	0.027	0.015	0.027	0.000	1601.85	76.08
0.001902	20.	20.	20.	20	11	0	-0.00	97.44	173.52

*SECNO 305.000

305.00	4.53	1606.83	0.00	0.00	1607.81	0.99	0.47	0.03	1604.29
1735.	255.	1224.	255.	73.	133.	73.	119.	34.	1604.29
0.46	3.48	9.22	3.48	0.027	0.015	0.027	0.000	1602.29	74.69
0.001332	296.	296.	296.	3	0	0	-0.00	100.21	174.91

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*SECNO 310.000
   310.00     4.46  1607.20     0.00     0.00  1608.23     1.04     0.41     0.01  1604.74
    1735.     252.    1232.     252.      71.     131.      71.     121.      35.  1604.74
     0.47     3.54     9.42     3.54    0.027    0.015    0.027    0.000  1602.74    74.96
 0.001423     296.     296.     296.        3        0        0    -0.00    99.68   174.64


*SECNO 315.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
   315.00     4.18  1611.03  1611.03     0.00  1612.31     1.28     0.03     0.07  1608.85
    1735.     235.    1265.     235.      62.     122.      62.     121.      35.  1608.85
     0.47     3.80    10.39     3.80    0.027    0.015    0.027    0.000  1606.85    76.07
 0.001899      20.      20.      20.       20       11        0    -0.00    97.45   173.53


CCHV=   0.100 CEHV=   0.300
*SECNO 320.000
   320.00     2.24  1612.44  1612.30     0.00  1613.28     0.84     0.92     0.04  1616.40
    1464.       0.    1464.       0.       0.     199.       0.     123.      36.  1616.40
     0.48     0.00     7.35     0.00    0.000    0.027    0.000    0.000  1610.20    75.85
 0.006985     296.     296.     296.        5        8        0    -0.00    97.90   173.75


*SECNO 325.000
   325.00     2.98  1614.07     0.00     0.00  1614.51     0.44     1.19     0.04  1617.29
    1464.       0.    1464.       0.       0.     274.       0.     124.      36.  1617.29
     0.49     0.00     5.35     0.00    0.000    0.027    0.000    0.000  1611.09    75.89
 0.002622     296.     296.     296.        2        0        0    -0.00   103.81   176.71

*SECNO 330.000

3301 HV CHANGED MORE THAN HVINS
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
   330.00     2.10  1616.42  1616.42     0.00  1617.38     0.96     0.09     0.15  1620.51
    1464.       0.    1464.       0.       0.     186.       0.     124.      37.  1620.51
     0.49     0.00     7.87     0.00    0.000    0.027    0.000    0.000  1614.31    76.38
 0.008615      20.      20.      20.       20       15        0    -0.00    96.84   173.22


*SECNO 335.000

3301 HV CHANGED MORE THAN HVINS
   335.00     3.04  1618.24     0.00     0.00  1618.66     0.42     1.23     0.05  1621.40
    1464.       0.    1464.       0.       0.     280.       0.     126.      37.  1621.40
     0.51     0.00     5.23     0.00    0.000    0.027    0.000    0.000  1615.20    72.64
 0.002441     296.     296.     296.        3        0        0    -0.00   104.31   176.96


*SECNO 340.000
   340.00     2.90  1618.99     0.00     0.00  1619.46     0.47     0.78     0.01  1622.29
    1464.       0.    1464.       0.       0.     266.       0.     128.      38.  1622.29
     0.52     0.00     5.51     0.00    0.000    0.027    0.000    0.000  1616.09    73.20
 0.002870     296.     296.     296.        3        0        0    -0.00   103.20   176.40


*SECNO 345.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
   345.00     2.10  1621.41  1621.41     0.00  1622.38     0.97     0.09     0.15  1625.51
    1464.       0.    1464.       0.       0.     186.       0.     128.      38.  1625.51
     0.53     0.00     7.88     0.00    0.000    0.027    0.000    0.000  1619.31    76.40
 0.008673      20.      20.      20.       20       15        0    -0.00    96.80   173.20
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*SECNO 350.000

3301 HV CHANGED MORE THAN HVINS

350.00	3.04	1623.24	0.00	0.00	1623.66	0.42	1.23	0.05	1626.40
1464.	0.	1464.	0.	0.	280.	0.	130.	39.	1626.40
0.54	0.00	5.22	0.00	0.000	0.027	0.000	0.000	1620.20	72.64
0.002435	296.	296.	296.	3	0	0	-0.00	104.33	176.96

*SECNO 355.000

3720 CRITICAL DEPTH ASSUMED

355.00	2.90	1623.99	0.00	0.00	1624.46	0.47	0.78	0.01	1627.29
1464.	0.	1464.	0.	0.	266.	0.	131.	39.	1627.29
0.56	0.00	5.51	0.00	0.000	0.027	0.000	0.000	1621.09	73.20
0.002868	296.	296.	296.	3	0	0	-0.00	103.20	176.40

*SECNO 360.000

3685 20 TRIALS ATTEMPTED WSEL,CWSEL

3693 PROBABLE MINIMUM SPECIFIC ENERGY

360.00	2.10	1626.41	1626.41	0.00	1627.38	0.96	0.09	0.15	1630.51
1464.	0.	1464.	0.	0.	186.	0.	131.	39.	1630.51
0.56	0.00	7.88	0.00	0.000	0.027	0.000	0.000	1624.31	76.39
0.008643	20.	20.	20.	20	15	0	-0.00	96.82	173.21

*SECNO 365.000

3301 HV CHANGED MORE THAN HVINS

3720 CRITICAL DEPTH ASSUMED

365.00	3.04	1628.24	0.00	0.00	1628.66	0.42	1.23	0.05	1631.40
1464.	0.	1464.	0.	0.	280.	0.	133.	40.	1631.40
0.57	0.00	5.23	0.00	0.000	0.027	0.000	0.000	1625.20	72.64
0.002438	296.	296.	296.	3	0	0	-0.00	104.32	176.96

*SECNO 370.000

3720 CRITICAL DEPTH ASSUMED

370.00	2.90	1628.99	0.00	0.00	1629.46	0.47	0.78	0.01	1632.29
1464.	0.	1464.	0.	0.	266.	0.	135.	41.	1632.29
0.59	0.00	5.51	0.00	0.000	0.027	0.000	0.000	1626.09	73.20
0.002869	296.	296.	296.	3	0	0	-0.00	103.20	176.40

*SECNO 375.000

3685 20 TRIALS ATTEMPTED WSEL,CWSEL

3693 PROBABLE MINIMUM SPECIFIC ENERGY

375.00	2.10	1631.41	1631.41	0.00	1632.38	0.96	0.09	0.15	1635.51
1464.	0.	1464.	0.	0.	186.	0.	135.	41.	1635.51
0.59	0.00	7.88	0.00	0.000	0.027	0.000	0.000	1629.31	76.40
0.008667	20.	20.	20.	20	15	0	-0.00	96.81	173.20

*SECNO 380.000

3301 HV CHANGED MORE THAN HVINS

380.00	2.92	1633.42	0.00	0.00	1633.63	0.20	1.17	0.08	1636.70
654.	0.	654.	0.	0.	180.	0.	136.	41.	1636.70
0.61	0.00	3.63	0.00	0.000	0.027	0.000	0.000	1630.50	88.12
0.001331	296.	296.	296.	3	0	0	-0.00	73.36	161.48

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*SECNO 385.000
3720 CRITICAL DEPTH ASSUMED
   385.00     2.21  1633.89     0.00     0.00  1634.29     0.39     0.61     0.06  1637.88
     654.       0.     654.       0.       0.     130.       0.     137.      42.  1637.88
     0.63     0.00     5.04     0.00    0.000    0.027    0.000    0.000  1631.68    90.98
 0.003555     296.     296.     296.        2        0        0    -0.00    67.65   158.62


*SECNO 390.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
   390.00     1.66  1635.98  1635.98     0.00  1636.73     0.75     0.11     0.11  1640.52
     654.       0.     654.       0.       0.      94.       0.     137.      42.  1640.52
     0.63     0.00     6.96     0.00    0.000    0.027    0.000    0.000  1634.32    93.16
 0.009499      20.      20.      20.       20       15        0    -0.00    63.28   156.44


*SECNO 395.000
3720 CRITICAL DEPTH ASSUMED
   395.00     2.34  1637.84     0.00     0.00  1638.19     0.34     1.41     0.04  1641.70
     654.       0.     654.       0.       0.     139.       0.     138.      42.  1641.70
     0.65     0.00     4.69     0.00    0.000    0.027    0.000    0.000  1635.50    90.41
 0.002866     296.     296.     296.        3        0        0    -0.00    68.78   159.19


*SECNO 400.000
   400.00     2.11  1638.79     0.00     0.00  1639.23     0.44     1.01     0.03  1642.88
     654.       0.     654.       0.       0.     123.       0.     139.      43.  1642.88
     0.66     0.00     5.30     0.00    0.000    0.027    0.000    0.000  1636.68    91.36
 0.004145     296.     296.     296.        3        0        0    -0.00    66.89   158.24


MAR 23, 1987  06:25 PM

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

*SECNO 405.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
   405.00     1.66  1640.98  1640.98     0.00  1641.73     0.75     0.12     0.09  1645.52
     654.       0.     654.       0.       0.      94.       0.     139.      43.  1645.52
     0.66     0.00     6.96     0.00    0.000    0.027    0.000    0.000  1639.32    93.16
 0.009504      20.      20.      20.       20       15        0    -0.00    63.28   156.44


*SECNO 410.000
   410.00     2.34  1642.84     0.00     0.00  1643.19     0.34     1.41     0.04  1646.70
     654.       0.     654.       0.       0.     139.       0.     140.      43.  1646.70
     0.68     0.00     4.69     0.00    0.000    0.027    0.000    0.000  1640.50    90.41
 0.002865     296.     296.     296.        3        0        0    -0.00    68.78   159.19
```

PROFILE FOR STREAM ROADSIDE DITCH EAST-WEST

PLOTTED POINTS (BY PRIORITY)-E-ENERGY,W-WATER SURFACE,I-INVERT,C-CRITICAL W.S.,L-LEFT BANK,R-RIGHT BANK,N-LOWER END STA

ELEVATION	1480.	1500.	1520.	1540.	1560.	1580.	1600.	1620.	1640.	1660.
SECNO	CUMDIS									
1.00	0. .	IL WE	.	.	.	.	.	.	.	.
	20. C	IL WE	.	.	.	.	.	.	.	.
	40. C	IL WE	.	.	.	.	.	.	.	.
	60. C	IL WE	.	.	.	.	.	.	.	.
	80. C	IL WE	.	.	.	.	.	.	.	.
	100. C	IL WE	.	.	.	.	.	.	.	.
	120. C	IL WE	.	.	.	.	.	.	.	.
	140. C	IL WE	.	.	.	.	.	.	.	.
	160. C	IL WE	.	.	.	.	.	.	.	.
	180. C	IL WE	.	.	.	.	.	.	.	.
	200. C	IL WE	.	.	.	.	.	.	.	.
	220. C	IL WE	.	.	.	.	.	.	.	.
	240. C	IL WE	.	.	.	.	.	.	.	.
	260. C	IL WE	.	.	.	.	.	.	.	.
	280. C	IL WE	.	.	.	.	.	.	.	.
	300. C	IL WE	.	.	.	.	.	.	.	.
2.00	320. C	IL WE	.	.	.	.	.	.	.	.
	340. C	IL WE	.	.	.	.	.	.	.	.
	360. C	IL WE	.	.	.	.	.	.	.	.
	380. C	IL WE	.	.	.	.	.	.	.	.
	400. C	IL WE	.	.	.	.	.	.	.	.
	420. C	IL WE	.	.	.	.	.	.	.	.
	440. C	IL WE	.	.	.	.	.	.	.	.
	460. C	IL WE	.	.	.	.	.	.	.	.
	480. C	IL WE	.	.	.	.	.	.	.	.
	500. C	IL WE	.	.	.	.	.	.	.	.
	520. C	IL WE	.	.	.	.	.	.	.	.
	540. C	IL WE	.	.	.	.	.	.	.	.
	560. C	IL WE	.	.	.	.	.	.	.	.
	580. C	IL WE	.	.	.	.	.	.	.	.
3.00	600. C	IL WE	.	.	.	.	.	.	.	.
4.00	620. C	IL WE	.	.	.	.	.	.	.	.
5.00	640. C	IL WE	.	.	.	.	.	.	.	.
6.00	660. .	IL WE	.	.	.	.	.	.	.	.
7.00	680. .	IL WE	.	.	.	.	.	.	.	.
	700. C	IL WE	.	.	.	.	.	.	.	.
	720. C	IL WE	.	.	.	.	.	.	.	.
	740. C	IL WE	.	.	.	.	.	.	.	.
8.00	760. C	IL WE	.	.	.	.	.	.	.	.
	780. C	IL WE	.	.	.	.	.	.	.	.
	800. C	IL WE	.	.	.	.	.	.	.	.
	820. C	IL WE	.	.	.	.	.	.	.	.
	840. C	IL WE	.	.	.	.	.	.	.	.
	860. C	IL WE	.	.	.	.	.	.	.	.
9.00	880. C	IL WE	.	.	.	.	.	.	.	.
10.00	900. C	IL WE	.	.	.	.	.	.	.	.
11.00	920. C	IL WE	.	.	.	.	.	.	.	.
12.00	940. .	. ILWEM	.	.	.	.	.	.	.	.
13.00	960. .	. ILWEM	.	.	.	.	.	.	.	.
	980. C	. ILWEM	.	.	.	.	.	.	.	.
	1000. C	. IL EM	.	.	.	.	.	.	.	.

14.00	1020.	C	.	IL EM	.	.	.	.	.	.	.	.
	1040.	C	.	IL EM	.	.	.	.	.	.	.	.
	1060.	C	.	IL EM	.	.	.	.	.	.	.	.
	1080.	C	.	IL EM	.	.	.	.	.	.	.	.
	1100.	C	.	IL EM	.	.	.	.	.	.	.	.
	1120.	C	.	IL EM	.	.	.	.	.	.	.	.
	1140.	C	.	IL EM	.	.	.	.	.	.	.	.
	1160.	C	.	IL WE	.	.	.	.	.	.	.	.
	1180.	C	.	IL WE	.	.	.	.	.	.	.	.
15.00	1200.	C	.	IL WE	.	.	.	.	.	.	.	.
16.00	1220.	C	.	IL WE	.	.	.	.	.	.	.	.
17.00	1240.	C	.	IL WE	.	.	.	.	.	.	.	.
18.00	1260.	.	.	ILWEM	.	.	.	.	.	.	.	.
19.00	1280.	.	.	ILWEM	.	.	.	.	.	.	.	.
	1300.	C	.	ILWEM	.	.	.	.	.	.	.	.
	1320.	C	.	ILWEM	.	.	.	.	.	.	.	.
	1340.	C	.	IL EM	.	.	.	.	.	.	.	.
	1360.	C	.	IL EM	.	.	.	.	.	.	.	.
	1380.	C	.	IL EM	.	.	.	.	.	.	.	.
	1400.	C	.	IL EM	.	.	.	.	.	.	.	.
20.00	1420.	C	.	IL EM	.	.	.	.	.	.	.	.
	1440.	C	.	IL EM	.	.	.	.	.	.	.	.
	1460.	C	.	IL EM	.	.	.	.	.	.	.	.
	1480.	C	.	IL WE	.	.	.	.	.	.	.	.
	1500.	C	.	IL WE	.	.	.	.	.	.	.	.
	1520.	C	.	IL WE	.	.	.	.	.	.	.	.
	1540.	C	.	IL WE	.	.	.	.	.	.	.	.
	1560.	C	.	IL WE	.	.	.	.	.	.	.	.
	1580.	C	.	IL WE	.	.	.	.	.	.	.	.
21.00	1600.	C	.	IL WE	.	.	.	.	.	.	.	.
22.00	1620.	C	.	IL WE	.	.	.	.	.	.	.	.
23.00	1640.	C	.	IL WE	.	.	.	.	.	.	.	.
24.00	1660.	.	.	IL WE	.	.	.	.	.	.	.	.
25.00	1680.	.	.	IL WE	.	.	.	.	.	.	.	.
	1700.	C	.	IL WE	.	.	.	.	.	.	.	.
	1720.	C	.	IL WE	.	.	.	.	.	.	.	.
	1740.	C	.	IL WE	.	.	.	.	.	.	.	.
	1760.	C	.	IL WE	.	.	.	.	.	.	.	.
	1780.	C	.	IL WE	.	.	.	.	.	.	.	.
	1800.	C	.	IL WE	.	.	.	.	.	.	.	.
	1820.	C	.	IL WE	.	.	.	.	.	.	.	.
	1840.	C	.	IL WE	.	.	.	.	.	.	.	.
	1860.	C	.	IL WE	.	.	.	.	.	.	.	.
	1880.	C	.	IL WE	.	.	.	.	.	.	.	.
	1900.	C	.	IL WE	.	.	.	.	.	.	.	.
30.00	1920.	C	.	IL WE	.	.	.	.	.	.	.	.
	1940.	C	.	IL WE	.	.	.	.	.	.	.	.
	1960.	C	.	IL WE	.	.	.	.	.	.	.	.
	1980.	C	.	IL WE	.	.	.	.	.	.	.	.
	2000.	C	.	IL WE	.	.	.	.	.	.	.	.
	2020.	C	.	IL WE	.	.	.	.	.	.	.	.
	2040.	C	.	IL WE	.	.	.	.	.	.	.	.
	2060.	C	.	IL WE	.	.	.	.	.	.	.	.
	2080.	C	.	IL WE	.	.	.	.	.	.	.	.
	2100.	C	.	IL WE	.	.	.	.	.	.	.	.
	2120.	C	.	IL WE	.	.	.	.	.	.	.	.
	2140.	C	.	IL WE	.	.	.	.	.	.	.	.
	2160.	C	.	IL WE	.	.	.	.	.	.	.	.
	2180.	C	.	IL WE	.	.	.	.	.	.	.	.

35.00	2200.	C	.	IL WE
40.00	2220.	.	.	IL.WEM
	2240.	C	.	IL.WEM
	2260.	C	.	IL.WEM
	2280.	C	.	IL.WEM
	2300.	C	.	ILRWEM
	2320.	C	.	ILWEM
	2340.	C	.	ILWEM
	2360.	C	.	ILWEM
	2380.	C	.	ILWEM
	2400.	C	.	IL EM
	2420.	C	.	IL EM
	2440.	C	.	IL EM
	2460.	C	.	IL EM
	2480.	C	.	IL EM
	2500.	C	.	IL EM
45.00	2520.	C	.	IL EM
	2540.	C	.	IL EM
	2560.	C	.	IL EM
	2580.	C	.	IL EM
	2600.	C	.	IL EM
	2620.	C	.	IL EM
	2640.	C	.	IL EM
	2660.	C	.	IL EM
	2680.	C	.	IL EM
	2700.	C	.	IL EM
	2720.	C	.	IL WE
	2740.	C	.	IL WE
	2760.	C	.	IL WE
	2780.	C	.	IL WE
	2800.	C	.	IL WE
50.00	2820.	C	.	IL WE
55.00	2840.	.	.	.IL WE
	2860.	C	.	.IL WE
	2880.	C	.	.IL WE
	2900.	C	.	.IL WE
	2920.	C	.	.IL WE
	2940.	C	.	.IL WE
	2960.	C	.	.IL WE
	2980.	C	.	.IL WE
	3000.	C	.	.IL WE
	3020.	C	.	.IL WE
	3040.	C	.	.IL WE
	3060.	C	.	.IL WE
	3080.	C	.	.IL WE
	3100.	C	.	.IL WE
	3120.	C	.	.IL WE
60.00	3140.	C	.	.IL WE
	3160.	C	.	.IL WE
	3180.	C	.	.IL WE
	3200.	C	.	.IL WE
	3220.	C	.	.IL WE
	3240.	C	.	.IL WE
	3260.	C	.	.IL WE
	3280.	C	.	.IL WE
	3300.	C	.	.IL WE
	3320.	C	.	.IL WE
	3340.	C	.	.IL WE
	3360.	C	.	.IL WE
	3380.	C	.	.IL WE
	3400.	C	.	.IL WE
	3420.	C	.	.IL WE

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65.00  3440.  C        .        .IL WE   .        .        .        .        .        .        .
70.00  3460.  .        .        . IL WEM .        .        .        .        .        .        .
       3480.  C        .        . IL WEM .        .        .        .        .        .        .
       3500.  C        .        . IL WEM .        .        .        .        .        .        .
       3520.  C        .        . IL WEM .        .        .        .        .        .        .
       3540.  C        .        . ILRWEM .        .        .        .        .        .        .
       3560.  C        .        .  ILWEM .        .        .        .        .        .        .
       3580.  C        .        .  ILWEM .        .        .        .        .        .        .
       3600.  C        .        .  ILWEM .        .        .        .        .        .        .
       3620.  C        .        .  ILWEM .        .        .        .        .        .        .
       3640.  C        .        .  IL EM .        .        .        .        .        .        .
       3660.  C        .        .  IL EM .        .        .        .        .        .        .
       3680.  C        .        .  IL EM .        .        .        .        .        .        .
       3700.  C        .        .  IL EM .        .        .        .        .        .        .
       3720.  C        .        .  IL EM .        .        .        .        .        .        .
75.00  3740.  C        .        .  IL EM .        .        .        .        .        .        .
       3760.  C        .        .  IL EM .        .        .        .        .        .        .
       3780.  C        .        .  IL EM .        .        .        .        .        .        .
       3800.  C        .        .  IL EM .        .        .        .        .        .        .
       3820.  C        .        .  IL EM .        .        .        .        .        .        .
       3840.  C        .        .  IL EM .        .        .        .        .        .        .
       3860.  C        .        .  IL EM .        .        .        .        .        .        .
       3880.  C        .        .  IL EM .        .        .        .        .        .        .
       3900.  C        .        .  IL EM .        .        .        .        .        .        .
       3920.  C        .        .  IL EM .        .        .        .        .        .        .
       3940.  C        .        .  IL WE .        .        .        .        .        .        .
       3960.  C        .        .  IL WE .        .        .        .        .        .        .
       3980.  C        .        .  IL WE .        .        .        .        .        .        .
       4000.  C        .        .  IL WE .        .        .        .        .        .        .
       4020.  C        .        .  IL WE .        .        .        .        .        .        .
80.00  4040.  C        .        .  IL WE .        .        .        .        .        .        .
85.00  4060.  .        .        .    IL WE        .        .        .        .        .        .
       4080.  C        .        .    IL WE        .        .        .        .        .        .
       4100.  C        .        .    IL WE        .        .        .        .        .        .
       4120.  C        .        .    IL WE        .        .        .        .        .        .
       4140.  C        .        .    IL WE        .        .        .        .        .        .
       4160.  C        .        .    IL WE        .        .        .        .        .        .
       4180.  C        .        .    IL WE        .        .        .        .        .        .
       4200.  C        .        .    IL WE        .        .        .        .        .        .
       4220.  C        .        .    IL WE        .        .        .        .        .        .
       4240.  C        .        .    IL WE        .        .        .        .        .        .
       4260.  C        .        .    IL WE        .        .        .        .        .        .
       4280.  C        .        .    IL WE        .        .        .        .        .        .
       4300.  C        .        .    IL WE        .        .        .        .        .        .
       4320.  C        .        .    IL WE        .        .        .        .        .        .
       4340.  C        .        .    IL WE        .        .        .        .        .        .
90.00  4360.  C        .        .    IL WE        .        .        .        .        .        .
       4380.  C        .        .    IL WE        .        .        .        .        .        .
       4400.  C        .        .    IL WE        .        .        .        .        .        .
       4420.  C        .        .    IL WE        .        .        .        .        .        .
       4440.  C        .        .    IL WE        .        .        .        .        .        .
       4460.  C        .        .    IL WE        .        .        .        .        .        .
       4480.  C        .        .    IL WE        .        .        .        .        .        .
       4500.  C        .        .    IL WE        .        .        .        .        .        .
       4520.  C        .        .    IL WE        .        .        .        .        .        .
       4540.  C        .        .    IL WE        .        .        .        .        .        .
       4560.  C        .        .    IL WE        .        .        .        .        .        .
       4580.  C        .        .    IL WE        .        .        .        .        .        .
       4600.  C        .        .    IL WE        .        .        .        .        .        .
       4620.  C        .        .    IL WE        .        .        .        .        .        .
       4640.  C        .        .    IL WE        .        .        .        .        .        .
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100.00  4660.  C     .     .    IL  E     .     .     .     .     .     .     .
105.00  4680.  .     .     .     IL.WEM   .     .     .     .     .     .     .
        4700.  C     .     .     IL.WEM   .     .     .     .     .     .     .
        4720.  C     .     .     IL.WEM   .     .     .     .     .     .     .
        4740.  C     .     .     IL.WEM   .     .     .     .     .     .     .
        4760.  C     .     .     ILRWEM   .     .     .     .     .     .     .
        4780.  C     .     .      ILWEM   .     .     .     .     .     .     .
        4800.  C     .     .      ILWEM   .     .     .     .     .     .     .
        4820.  C     .     .      ILWEM   .     .     .     .     .     .     .
        4840.  C     .     .      ILWEM   .     .     .     .     .     .     .
        4860.  C     .     .      ILWEM   .     .     .     .     .     .     .
        4880.  C     .     .      ILWEM   .     .     .     .     .     .     .
        4900.  C     .     .      ILWEM   .     .     .     .     .     .     .
        4920.  C     .     .      ILWEM   .     .     .     .     .     .     .
        4940.  C     .     .      ILWEM   .     .     .     .     .     .     .
        4960.  C     .     .      IL EM   .     .     .     .     .     .     .
110.00  4980.  C     .     .      IL EM   .     .     .     .     .     .     .
        5000.  C     .     .      IL EM   .     .     .     .     .     .     .
        5020.  C     .     .      IL EM   .     .     .     .     .     .     .
        5040.  C     .     .      IL EM   .     .     .     .     .     .     .
        5060.  C     .     .      IL EM   .     .     .     .     .     .     .
        5080.  C     .     .      IL EM   .     .     .     .     .     .     .
        5100.  C     .     .      IL EM   .     .     .     .     .     .     .
        5120.  C     .     .      IL EM   .     .     .     .     .     .     .
        5140.  C     .     .      IL EM   .     .     .     .     .     .     .
        5160.  C     .     .      IL EM   .     .     .     .     .     .     .
        5180.  C     .     .      IL EM   .     .     .     .     .     .     .
        5200.  C     .     .      IL EM   .     .     .     .     .     .     .
        5220.  C     .     .      IL EM   .     .     .     .     .     .     .
        5240.  C     .     .      IL EM   .     .     .     .     .     .     .
115.00  5260.  C     .     .      IL EM   .     .     .     .     .     .     .
120.00  5280.  .     .     .     .IL EM   .     .     .     .     .     .     .
        5300.  C     .     .     .IL EM   .     .     .     .     .     .     .
        5320.  C     .     .     .IL EM   .     .     .     .     .     .     .
        5340.  C     .     .     .IL EM   .     .     .     .     .     .     .
        5360.  C     .     .     .IL EM   .     .     .     .     .     .     .
        5380.  C     .     .     .IL EM   .     .     .     .     .     .     .
        5400.  C     .     .     .IL WE   .     .     .     .     .     .     .
        5420.  C     .     .     .IL WE   .     .     .     .     .     .     .
        5440.  C     .     .     .IL WE   .     .     .     .     .     .     .
        5460.  C     .     .     .IL WE   .     .     .     .     .     .     .
        5480.  C     .     .     .IL WE   .     .     .     .     .     .     .
        5500.  C     .     .     .IL WE   .     .     .     .     .     .     .
        5520.  C     .     .     .IL WE   .     .     .     .     .     .     .
        5540.  C     .     .     .IL WE   .     .     .     .     .     .     .
        5560.  C     .     .     .IL WE   .     .     .     .     .     .     .
125.00  5580.  C     .     .     .IL WE   .     .     .     .     .     .     .
        5600.  C     .     .     .IL WE   .     .     .     .     .     .     .
        5620.  C     .     .     .IL WE   .     .     .     .     .     .     .
        5640.  C     .     .     .IL WE   .     .     .     .     .     .     .
        5660.  C     .     .     .IL WE   .     .     .     .     .     .     .
        5680.  C     .     .     .IL WE   .     .     .     .     .     .     .
        5700.  C     .     .     .IL WE   .     .     .     .     .     .     .
        5720.  C     .     .     .IL WE   .     .     .     .     .     .     .
        5740.  C     .     .     .IL WE   .     .     .     .     .     .     .
        5760.  C     .     .     .IL WE   .     .     .     .     .     .     .
        5780.  C     .     .     .IL WE   .     .     .     .     .     .     .
        5800.  C     .     .     .IL WE   .     .     .     .     .     .     .
        5820.  C     .     .     .IL WE   .     .     .     .     .     .     .
        5840.  C     .     .     .IL WE   .     .     .     .     .     .     .
        5860.  C     .     .     .IL WE   .     .     .     .     .     .     .
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130.00	5880.	C	IL WE
135.00	5900.		IL WEM
	5920.	C	IL WEM
	5940.	C	IL WEM
	5960.	C	IL WEM
	5980.	C	ILRWEM
	6000.	C	ILWEM
	6020.	C	ILWEM
	6040.	C	ILWEM
	6060.	C	ILWEM
	6080.	C	IL EM
	6100.	C	IL EM
	6120.	C	IL EM
	6140.	C	IL EM
	6160.	C	IL EM
	6180.	C	IL EM
140.00	6200.	C	IL EM
	6220.	C	IL EM
	6240.	C	IL EM
	6260.	C	IL EM
	6280.	C	IL EM
	6300.	C	IL EM
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	6440.	C	IL EM
	6460.	C	IL EM
	6480.	C	IL EM
145.00	6500.	C	IL EM
150.00	6520.		ILWEM
	6540.	C	ILWEM
	6560.	C	ILWEM
	6580.	C	ILWEM
	6600.	C	ILWEM
	6620.	C	ILWEM
	6640.	C	ILWEM
	6660.	C	ILWEM
	6680.	C	ILWEM
	6700.	C	ILWEM
	6720.	C	IL EM
	6740.	C	IL EM
	6760.	C	IL EM
	6780.	C	IL EM
155.00	6800.	C	IL EM
	6820.	C	IL EM
	6840.	C	IL EM
	6860.	C	IL EM
	6880.	C	IL EM
	6900.	C	IL EM
	6920.	C	IL EM
	6940.	C	IL EM
	6960.	C	IL EM
	6980.	C	IL EM
	7000.	C	IL EM
	7020.	C	IL EM
	7040.	C	IL EM
	7060.	C	IL EM
	7080.	C	IL EM

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160.00 7100. C                    IL EM
165.00 7120. .                     IL.E M
       7140. C                     IL.E M
       7160. C                     IL.E M
       7180. C                     IL.E M
       7200. C                     IL.WEM
       7220. C                      ILWEM
       7240. C                      ILWEM
       7260. C                      ILWEM
       7280. C                      ILWEM
       7300. C                      ILWEM
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170.00 7420. C                      ILWEM
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175.00 7720. C                      ILWEM
180.00 7740. .                       .ILWEM
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       8000. C                       .IL EM
       8020. C                       .IL EM
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       8080. C                       .IL EM
       8100. C                       .IL EM
       8120. C                       .IL EM
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       8220. C                       .IL EM
       8240. C                       .IL EM
       8260. C                       .IL EM
       8280. C                       .IL EM
       8300. C                       .IL EM
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190.00  8320.  C        .        .        .        .IL EM    .        .        .        .        .
195.00  8340.  .        .        .        .        . IL E M .        .        .        .        .
        8360.  C        .        .        .        . IL E M .        .        .        .        .
        8380.  C        .        .        .        . IL E M .        .        .        .        .
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200.00  8640.  C        .        .        .        .  ILWEM .        .        .        .        .
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        8920.  C        .        .        .        .  ILWEM .        .        .        .        .
205.00  8940.  C        .        .        .        .  ILWEM .        .        .        .        .
210.00  8960.  .        .        .        .        .   ILWEM        .        .        .        .
        8980.  C        .        .        .        .   ILWEM        .        .        .        .
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        9120.  C        .        .        .        .   ILWEM        .        .        .        .
        9140.  C        .        .        .        .   ILWEM        .        .        .        .
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        9180.  C        .        .        .        .   IL EM        .        .        .        .
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215.00  9260.  C        .        .        .        .   IL EM        .        .        .        .
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        9480.  C        .        .        .        .   IL EM        .        .        .        .
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        9540.  C        .        .        .        .   IL EM        .        .        .        .
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220.00	9560.	C	.	.	.	.	IL EM	.	.	.	.	.
225.00	9580.	.	.	.	.	.	IL.E M	.	.	.	.	.
	9600.	C	.	.	.	.	IL.E M	.	.	.	.	.
	9620.	C	.	.	.	.	IL.E M	.	.	.	.	.
	9640.	C	.	.	.	.	IL.E M	.	.	.	.	.
	9660.	C	.	.	.	.	IL.E M	.	.	.	.	.
	9680.	C	.	.	.	.	ILWEM	.	.	.	.	.
	9700.	C	.	.	.	.	ILWEM	.	.	.	.	.
	9720.	C	.	.	.	.	ILWEM	.	.	.	.	.
	9740.	C	.	.	.	.	ILWEM	.	.	.	.	.
	9760.	C	.	.	.	.	ILWEM	.	.	.	.	.
	9780.	C	.	.	.	.	ILWEM	.	.	.	.	.
	9800.	C	.	.	.	.	ILWEM	.	.	.	.	.
	9820.	C	.	.	.	.	ILWEM	.	.	.	.	.
	9840.	C	.	.	.	.	ILWEM	.	.	.	.	.
230.00	9860.	C	.	.	.	.	ILWEM	.	.	.	.	.
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	9980.	C	.	.	.	.	ILWEM	.	.	.	.	.
	10000.	C	.	.	.	.	ILWEM	.	.	.	.	.
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	10080.	C	.	.	.	.	ILWEM	.	.	.	.	.
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	10120.	C	.	.	.	.	ILWEM	.	.	.	.	.
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235.00	10160.	C	.	.	.	.	ILWEM	.	.	.	.	.
240.00	10180.	.	.	.	.	.	.ILWEM	.	.	.	.	.
	10200.	C	.	.	.	.	.ILWEM	.	.	.	.	.
	10220.	C	.	.	.	.	.ILWEM	.	.	.	.	.
	10240.	C	.	.	.	.	.ILWEM	.	.	.	.	.
	10260.	C	.	.	.	.	.ILWEM	.	.	.	.	.
	10280.	C	.	.	.	.	.ILWEM	.	.	.	.	.
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	10380.	C	.	.	.	.	.IL EM	.	.	.	.	.
	10400.	C	.	.	.	.	.IL EM	.	.	.	.	.
	10420.	C	.	.	.	.	.IL EM	.	.	.	.	.
	10440.	C	.	.	.	.	.IL EM	.	.	.	.	.
	10460.	C	.	.	.	.	.IL EM	.	.	.	.	.
245.00	10480.	C	.	.	.	.	.IL EM	.	.	.	.	.
	10500.	C	.	.	.	.	.IL EM	.	.	.	.	.
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	10599.	C	.	.	.	.	.IL EM	.	.	.	.	.
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	10639.	C	.	.	.	.	.IL EM	.	.	.	.	.
	10659.	C	.	.	.	.	.IL EM	.	.	.	.	.
	10679.	C	.	.	.	.	.IL EM	.	.	.	.	.
	10699.	C	.	.	.	.	.IL EM	.	.	.	.	.
	10719.	C	.	.	.	.	.IL EM	.	.	.	.	.
	10739.	C	.	.	.	.	.IL EM	.	.	.	.	.
	10759.	C	.	.	.	.	.IL EM	.	.	.	.	.

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250.00 10779.  C        .        .        .        .        .IL EM   .        .        .        .        .
255.00 10799.  .        .        .        .        .        . IL E M .        .        .        .        .
       10819.  . C      .        .        .        .        . IL E M .        .        .        .        .
       10839.  C        .        .        .        .        . IL E M .        .        .        .        .
       10859.  C        .        .        .        .        . IL E M .        .        .        .        .
       10879.  C        .        .        .        .        . IL E M .        .        .        .        .
       10899.  C        .        .        .        .        .  ILE M .        .        .        .        .
       10919.  C        .        .        .        .        .  ILE M .        .        .        .        .
       10939.  C        .        .        .        .        .  ILE M .        .        .        .        .
       10959.  C        .        .        .        .        .  ILE M .        .        .        .        .
       10979.  C        .        .        .        .        .  ILE M .        .        .        .        .
       10999.  C        .        .        .        .        .  ILE M .        .        .        .        .
       11019.  C        .        .        .        .        .  ILE M .        .        .        .        .
       11039.  C        .        .        .        .        .  ILE M .        .        .        .        .
       11059.  C        .        .        .        .        .  ILE M .        .        .        .        .
       11079.  C        .        .        .        .        .  ILWEM .        .        .        .        .
260.00 11099.  C        .        .        .        .        .  ILWEM .        .        .        .        .
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       11179.  C        .        .        .        .        .  ILWEM .        .        .        .        .
       11199.  C        .        .        .        .        .  ILWEM .        .        .        .        .
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       11239.  C        .        .        .        .        .  ILWEM .        .        .        .        .
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       11279.  C        .        .        .        .        .  ILWEM .        .        .        .        .
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265.00 11379.  C        .        .        .        .        .  ILWEM .        .        .        .        .
270.00 11399.  .        .        .        .        .        .    ILWEM        .        .        .        .
       11419.  .   C    .        .        .        .        .    ILWEM        .        .        .        .
       11439.  C        .        .        .        .        .    ILWEM        .        .        .        .
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       11639.  C        .        .        .        .        .    IL EM        .        .        .        .
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275.00 11699.  C        .        .        .        .        .    IL EM        .        .        .        .
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       11979.  C        .        .        .        .        .    IL EM        .        .        .        .
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280.00	11999.	C	.	.	.	.	.	IL EM	.	.	.	.
285.00	12019.	.	.	.	.	.	.	IL.E M	.	.	.	.
	12039.	.	C	.	.	.	.	IL.E M	.	.	.	.
	12059.	C	.	.	.	.	.	IL.E M	.	.	.	.
	12079.	C	.	.	.	.	.	IL.E M	.	.	.	.
	12099.	C	.	.	.	.	.	IL.E M	.	.	.	.
	12119.	C	.	.	.	.	.	IL.E M	.	.	.	.
	12139.	C	.	.	.	.	.	ILE M	.	.	.	.
	12159.	C	.	.	.	.	.	ILE M	.	.	.	.
	12179.	C	.	.	.	.	.	ILE M	.	.	.	.
	12199.	C	.	.	.	.	.	ILE M	.	.	.	.
	12219.	C	.	.	.	.	.	ILE M	.	.	.	.
	12239.	C	.	.	.	.	.	ILE M	.	.	.	.
	12259.	C	.	.	.	.	.	ILE M	.	.	.	.
	12279.	C	.	.	.	.	.	ILE M	.	.	.	.
	12299.	C	.	.	.	.	.	ILE M	.	.	.	.
290.00	12319.	C	.	.	.	.	.	ILE M	.	.	.	.
	12339.	C	.	.	.	.	.	ILE M	.	.	.	.
	12359.	C	.	.	.	.	.	ILE M	.	.	.	.
	12379.	C	.	.	.	.	.	ILE M	.	.	.	.
	12399.	C	.	.	.	.	.	ILE M	.	.	.	.
	12419.	C	.	.	.	.	.	ILE M	.	.	.	.
	12439.	C	.	.	.	.	.	ILE M	.	.	.	.
	12459.	C	.	.	.	.	.	ILWEM	.	.	.	.
	12479.	C	.	.	.	.	.	ILWEM	.	.	.	.
	12499.	C	.	.	.	.	.	ILWEM	.	.	.	.
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	12539.	C	.	.	.	.	.	ILWEM	.	.	.	.
	12559.	C	.	.	.	.	.	ILWEM	.	.	.	.
	12579.	C	.	.	.	.	.	ILWEM	.	.	.	.
	12599.	C	.	.	.	.	.	ILWEM	.	.	.	.
295.00	12619.	C	.	.	.	.	.	ILWEM	.	.	.	.
300.00	12639.	.	.	.	.	.	.	.ILWEM	.	.	.	.
	12659.	.	C.	.	.	.	.	.ILWEM	.	.	.	.
	12679.	C	.	.	.	.	.	.ILWEM	.	.	.	.
	12699.	C	.	.	.	.	.	.ILWEM	.	.	.	.
	12719.	C	.	.	.	.	.	.ILWEM	.	.	.	.
	12739.	C	.	.	.	.	.	.ILWEM	.	.	.	.
	12759.	C	.	.	.	.	.	.ILWEM	.	.	.	.
	12779.	C	.	.	.	.	.	.ILWEM	.	.	.	.
	12799.	C	.	.	.	.	.	.ILWEM	.	.	.	.
	12819.	C	.	.	.	.	.	.ILWEM	.	.	.	.
	12839.	C	.	.	.	.	.	.ILWEM	.	.	.	.
	12859.	C	.	.	.	.	.	.ILWEM	.	.	.	.
	12879.	C	.	.	.	.	.	.ILWEM	.	.	.	.
	12899.	C	.	.	.	.	.	.ILWEM	.	.	.	.
305.00	12919.	C	.	.	.	.	.	.ILWEM	.	.	.	.
	12939.	C	.	.	.	.	.	.ILWEM	.	.	.	.
	12959.	C	.	.	.	.	.	.ILWEM	.	.	.	.
	12979.	C	.	.	.	.	.	.ILWEM	.	.	.	.
	12999.	C	.	.	.	.	.	.ILWEM	.	.	.	.
	13019.	C	.	.	.	.	.	.ILWEM	.	.	.	.
	13039.	C	.	.	.	.	.	.ILWEM	.	.	.	.
	13059.	C	.	.	.	.	.	.ILWEM	.	.	.	.
	13079.	C	.	.	.	.	.	.IL EM	.	.	.	.
	13099.	C	.	.	.	.	.	.IL EM	.	.	.	.
	13119.	C	.	.	.	.	.	.IL EM	.	.	.	.
	13139.	C	.	.	.	.	.	.IL EM	.	.	.	.
	13159.	C	.	.	.	.	.	.IL EM	.	.	.	.
	13179.	C	.	.	.	.	.	.IL EM	.	.	.	.
	13199.	C	.	.	.	.	.	.IL EM	.	.	.	.

310.00	13219.	C	.	.	.	.	.	.IL EM	.	.	.	.
315.00	13239.	.	.	.	.	.	.	. IL E M	.	.	.	.
	13259.	.	.	.	.	.	.	. ILE M	.	.	.	.
	13279.	.	.	.	.	.	.	. ILE M	.	.	.	.
	13299.	.	.	.	.	.	.	. ILE M	.	.	.	.
	13319.	.	.	.	.	.	.	. ILE M	.	.	.	.
	13339.	.	.	.	.	.	.	. I E M	.	.	.	.
	13359.	.	.	.	.	.	.	. I E M	.	.	.	.
	13379.	.	.	.	.	.	.	. I E M	.	.	.	.
	13399.	.	.	.	.	.	.	. I E M	.	.	.	.
	13419.	.	.	.	.	.	.	. I ELM	.	.	.	.
	13439.	.	.	.	.	.	.	. IELM	.	.	.	.
	13459.	.	.	.	.	.	.	. IWEM	.	.	.	.
	13479.	.	.	.	.	.	.	. IWEM	.	.	.	.
	13499.	.	.	.	.	.	.	. IWEL	.	.	.	.
	13519.	.	.	.	.	.	.	. IWEL	.	.	.	.
320.00	13539.	.	.	.	.	.	.	. IWEL	.	.	.	.
	13559.	.	. C	.	.	.	.	. IWEL	.	.	.	.
	13579.	C	.	.	.	.	.	. IWEL	.	.	.	.
	13599.	C	.	.	.	.	.	. IWEL	.	.	.	.
	13619.	C	.	.	.	.	.	. IWEL	.	.	.	.
	13639.	C	.	.	.	.	.	. IWEL	.	.	.	.
	13659.	C	.	.	.	.	.	. I EL	.	.	.	.
	13679.	C	.	.	.	.	.	. I EL	.	.	.	.
	13699.	C	.	.	.	.	.	. I EL	.	.	.	.
	13719.	C	.	.	.	.	.	. I EL	.	.	.	.
	13739.	C	.	.	.	.	.	. I E L.	.	.	.	.
	13759.	C	.	.	.	.	.	. I E L.	.	.	.	.
	13779.	C	.	.	.	.	.	. I E L.	.	.	.	.
	13799.	C	.	.	.	.	.	. I E L.	.	.	.	.
	13819.	C	.	.	.	.	.	. IE L.	.	.	.	.
325.00	13839.	C	.	.	.	.	.	. IE L.	.	.	.	.
330.00	13859.	.	.	.	.	.	.	. IWEL	.	.	.	.
	13879.	.	. C	.	.	.	.	. IWEL	.	.	.	.
	13899.	C	.	.	.	.	.	. IWEL	.	.	.	.
	13919.	C	.	.	.	.	.	. IWEL	.	.	.	.
	13939.	C	.	.	.	.	.	. IWEL	.	.	.	.
	13959.	C	.	.	.	.	.	. I EL	.	.	.	.
	13979.	C	.	.	.	.	.	. I EL	.	.	.	.
	13999.	C	.	.	.	.	.	. I EL	.	.	.	.
	14019.	C	.	.	.	.	.	. I EL	.	.	.	.
	14039.	C	.	.	.	.	.	. I E.L	.	.	.	.
	14059.	C	.	.	.	.	.	. I E.L	.	.	.	.
	14079.	C	.	.	.	.	.	. I E.L	.	.	.	.
	14099.	C	.	.	.	.	.	. IE.L	.	.	.	.
	14119.	C	.	.	.	.	.	. IE.L	.	.	.	.
	14139.	C	.	.	.	.	.	. IE.L	.	.	.	.
335.00	14159.	C	.	.	.	.	.	. IE.L	.	.	.	.
	14179.	C	.	.	.	.	.	. IE.L	.	.	.	.
	14199.	C	.	.	.	.	.	. IE.L	.	.	.	.
	14219.	C	.	.	.	.	.	. IE.L	.	.	.	.
	14239.	C	.	.	.	.	.	. IE.L	.	.	.	.
	14259.	C	.	.	.	.	.	. IE.L	.	.	.	.
	14279.	C	.	.	.	.	.	. IE.L	.	.	.	.
	14299.	C	.	.	.	.	.	. IWEL	.	.	.	.
	14319.	C	.	.	.	.	.	. IWEL	.	.	.	.
	14339.	C	.	.	.	.	.	. IWEL	.	.	.	.
	14359.	C	.	.	.	.	.	. IWEL	.	.	.	.
	14379.	C	.	.	.	.	.	. IWEL	.	.	.	.
	14399.	C	.	.	.	.	.	. IWEL	.	.	.	.
	14419.	C	.	.	.	.	.	. IWEL	.	.	.	.

340.00	14439.	C	.	.	.	.	.	.	IWEL	.	.	.
345.00	14459.	.	.	.	.	.	.	.	IE L	.	.	.
	14479.	.	.	C	.	.	.	.	IE L	.	.	.
	14499.	C	.	.	.	.	.	.	IE L	.	.	.
	14519.	C	.	.	.	.	.	.	IE L	.	.	.
	14539.	C	.	.	.	.	.	.	IE L	.	.	.
	14559.	C	.	.	.	.	.	.	IE L	.	.	.
	14579.	C	.	.	.	.	.	.	IE L	.	.	.
	14599.	C	.	.	.	.	.	.	IE L	.	.	.
	14619.	C	.	.	.	.	.	.	IWEL	.	.	.
	14639.	C	.	.	.	.	.	.	IWEL	.	.	.
	14659.	C	.	.	.	.	.	.	IWEL	.	.	.
	14679.	C	.	.	.	.	.	.	IWEL	.	.	.
	14699.	C	.	.	.	.	.	.	IWEL	.	.	.
	14719.	C	.	.	.	.	.	.	I EL	.	.	.
	14739.	C	.	.	.	.	.	.	I EL	.	.	.
350.00	14759.	C	.	.	.	.	.	.	I EL	.	.	.
	14779.	C	.	.	.	.	.	.	I EL	.	.	.
	14799.	C	.	.	.	.	.	.	I EL	.	.	.
	14819.	C	.	.	.	.	.	.	I EL	.	.	.
	14839.	C	.	.	.	.	.	.	I EL	.	.	.
	14859.	C	.	.	.	.	.	.	I EL	.	.	.
	14879.	C	.	.	.	.	.	.	I EL	.	.	.
	14899.	C	.	.	.	.	.	.	I EL	.	.	.
	14919.	C	.	.	.	.	.	.	I EL	.	.	.
	14939.	C	.	.	.	.	.	.	I EL	.	.	.
	14959.	C	.	.	.	.	.	.	I E L	.	.	.
	14979.	C	.	.	.	.	.	.	I E L	.	.	.
	14999.	C	.	.	.	.	.	.	I E L	.	.	.
	15019.	C	.	.	.	.	.	.	I E L	.	.	.
	15039.	C	.	.	.	.	.	.	.IE L	.	.	.
355.00	15059.	C	.	.	.	.	.	.	.IE L	.	.	.
360.00	15079.	.	.	.	.	.	.	.	. IWEL	.	.	.
	15099.	.	.	C	.	.	.	.	. IWEL	.	.	.
	15119.	C	.	.	.	.	.	.	. IWEL	.	.	.
	15139.	C	.	.	.	.	.	.	. IWEL	.	.	.
	15159.	C	.	.	.	.	.	.	. IWEL	.	.	.
	15179.	C	.	.	.	.	.	.	. I EL	.	.	.
	15199.	C	.	.	.	.	.	.	. I EL	.	.	.
	15219.	C	.	.	.	.	.	.	. I EL	.	.	.
	15239.	C	.	.	.	.	.	.	. I EL	.	.	.
	15259.	C	.	.	.	.	.	.	. I E L	.	.	.
	15279.	C	.	.	.	.	.	.	. I E L	.	.	.
	15299.	C	.	.	.	.	.	.	. I E L	.	.	.
	15319.	C	.	.	.	.	.	.	. IE L	.	.	.
	15339.	C	.	.	.	.	.	.	. IE L	.	.	.
	15359.	C	.	.	.	.	.	.	. IE L	.	.	.
365.00	15379.	C	.	.	.	.	.	.	. IE L	.	.	.
	15399.	C	.	.	.	.	.	.	. IE L	.	.	.
	15419.	C	.	.	.	.	.	.	. IE L	.	.	.
	15439.	C	.	.	.	.	.	.	. IE L	.	.	.
	15459.	C	.	.	.	.	.	.	. IE L	.	.	.
	15479.	C	.	.	.	.	.	.	. IE L	.	.	.
	15499.	C	.	.	.	.	.	.	. IE L	.	.	.
	15519.	C	.	.	.	.	.	.	. IWEL	.	.	.
	15539.	C	.	.	.	.	.	.	. IWEL	.	.	.
	15559.	C	.	.	.	.	.	.	. IWEL	.	.	.
	15579.	C	.	.	.	.	.	.	. IWEL	.	.	.
	15599.	C	.	.	.	.	.	.	. IWEL	.	.	.
	15619.	C	.	.	.	.	.	.	. IWEL	.	.	.
	15639.	C	.	.	.	.	.	.	. IWEL	.	.	.
	15659.	C	.	.	.	.	.	.	. IWEL	.	.	.

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370.00 15679.  C                                                    IWEL
375.00 15699.  .                                                     IE L
       15719.  .                  .C                                 IE L
       15739.  C                                                     IE L
       15759.  C                                                     IE L
       15779.  C                                                     IE L
       15799.  C                                                     IE L
       15819.  C                                                     IE L
       15839.  C                                                     IE L
       15859.  C                                                     IE L
       15879.  C                                                     IWEL
       15899.  C                                                     IWEL
       15919.  C                                                     IWEL
       15939.  C                                                     IWEL
       15959.  C                                                     I EL
380.00 15979.  C                                                     I EL
       15999.  C                                                     I EL
       16019.  C                                                     I EL
       16039.  C                                                     I EL
       16059.  C                                                     I EL
       16079.  C                                                     I E L.
       16099.  C                                                     I E L.
       16119.  C                                                     I E L.
       16139.  C                                                     IE L.
       16159.  C                                                     IE L.
       16179.  C                                                     IE L.
       16199.  C                                                     IE L.
       16219.  C                                                     IE L.
       16239.  C                                                     IE L.
       16259.  C                                                     IE L.
385.00 16279.  C                                                     IE L.
390.00 16299.  .                                                     IE L.
       16319.  .                  C                                  IE L
       16339.  C                                                     IE L
       16359.  C                                                     IE L
       16379.  C                                                     IWEL
       16399.  C                                                     IWEL
       16419.  C                                                     IWEL
       16439.  C                                                     IWEL
       16459.  C                                                     IWE.L
       16479.  C                                                     IWE.L
       16499.  C                                                      IE.L
       16519.  C                                                      IE.L
       16539.  C                                                      IE.L
       16559.  C                                                      IE.L
       16579.  C                                                      IE.L
395.00 16599.  C                                                      IE.L
       16619.  C                                                      IE.L
       16639.  C                                                      IE.L
       16659.  C                                                      IE.L
       16679.  C                                                      IE.L
       16699.  C                                                      IE.L
       16719.  C                                                      IE.L
       16739.  C                                                      IE.L
       16759.  C                                                      IE.L
       16779.  C                                                      IE.L
       16799.  C                                                      IE.L
       16819.  C                                                      IE.L
       16839.  C                                                      IE.L
       16859.  C                                                      IWEL
       16879.  C                                                      IWEL
                                                                      IWEL
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PLOTTED POINTS (BY PRIORITY)-E-ENERGY,W-WATER SURFACE,I-INVERT,C-CRITICAL W.S.,L-LEFT BANK,R-RIGHT BANK,N-LOWER END STA

ELEVATION SECNO	1480. CUMDIS		1500.	1520.	1540.	1560.	1580.	1600.	1620.	1640.	1660.		
400.00	16899.	C	.	.	.	.	.	.	.	IWEL	.	.
405.00	16919.	.	.	.	.	.	.	.	.	WE L	.	.
	16939.	.	.	.	C	.	.	.	.	IE L	.	.
	16959.	C	.	.	.	.	.	.	.	IE L	.	.
	16979.	C	.	.	.	.	.	.	.	IE L	.	.
	16999.	C	.	.	.	.	.	.	.	IE L	.	.
	17019.	C	.	.	.	.	.	.	.	IE L	.	.
	17039.	C	.	.	.	.	.	.	.	IE L	.	.
	17059.	C	.	.	.	.	.	.	.	IE L	.	.
	17079.	C	.	.	.	.	.	.	.	IE L	.	.
	17099.	C	.	.	.	.	.	.	.	IE L	.	.
	17119.	C	.	.	.	.	.	.	.	IE L	.	.
	17139.	C	.	.	.	.	.	.	.	IE L	.	.
	17159.	C	.	.	.	.	.	.	.	IE L	.	.
	17179.	C	.	.	.	.	.	.	.	IWEL	.	.
	17199.	C	.	.	.	.	.	.	.	IWEL	.	.
410.00	17219.	C	.	.	.	.	.	.	.	IWEL	.	.

THIS RUN EXECUTED MAR 23, 1987 06:26 PM

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  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
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NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

ROADSIDE DITCH EAST-WEST
SUMMARY PRINTOUT TABLE 150

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10K*S	VCH	AREA	.01K
*	1.000	0.00	0.00	0.00	1491.80	3790.00	1497.38	1497.38	1499.14	20.28	13.21	460.62	841.66
*	2.000	300.00	0.00	0.00	1492.30	3790.00	1498.27	0.00	1499.69	15.07	11.95	511.47	976.29
	3.000	284.00	0.00	0.00	1492.68	3790.00	1498.78	0.00	1500.11	13.74	11.59	528.32	1022.31
	4.000	5.00	0.00	0.00	1492.69	3790.00	1498.80	0.00	1500.12	13.67	11.57	529.31	1025.05
*	5.000	5.00	0.00	0.00	1492.69	3790.00	1498.81	0.00	1500.13	13.63	11.56	529.91	1026.70
*	6.000	6.00	0.00	0.00	1498.02	3790.00	1503.59	1503.59	1505.35	20.31	13.22	460.41	841.03
	7.000	6.00	0.00	0.00	1498.03	3790.00	1503.62	1503.61	1505.37	20.04	13.16	462.54	846.55
*	8.000	144.00	0.00	0.00	1498.25	3790.00	1504.25	0.00	1505.65	14.76	11.87	515.11	986.42
*	9.000	128.68	0.00	0.00	1498.44	3790.00	1504.48	0.00	1505.84	14.27	11.73	521.50	1003.33
	10.000	5.00	0.00	0.00	1498.45	3790.00	1504.49	0.00	1505.85	14.24	11.73	521.81	1004.18
*	11.000	5.00	0.00	0.00	1498.45	3790.00	1504.49	0.00	1505.85	14.23	11.72	521.99	1004.66
*	12.000	11.32	0.00	0.00	1503.25	3790.00	1508.83	1508.83	1510.60	20.32	13.22	460.20	840.80
	13.000	6.00	0.00	0.00	1503.26	3790.00	1508.87	1508.85	1510.61	19.99	13.15	462.86	847.71
	14.000	94.00	0.00	0.00	1503.40	3790.00	1509.45	0.00	1510.81	14.23	11.72	521.96	1004.80
	15.000	183.80	0.00	0.00	1503.68	3790.00	1509.70	0.00	1511.08	14.54	11.81	517.93	993.93
	16.000	5.00	0.00	0.00	1503.69	3790.00	1509.70	0.00	1511.09	14.56	11.82	517.67	993.22
	17.000	5.00	0.00	0.00	1503.69	3790.00	1509.71	0.00	1511.09	14.57	11.82	517.56	992.90
*	18.000	6.24	0.00	0.00	1507.21	3790.00	1512.78	1512.78	1514.55	20.30	13.22	460.45	841.18
	19.000	5.00	0.00	0.00	1507.22	3790.00	1512.81	1512.80	1514.56	20.02	13.16	462.68	846.95
	20.000	195.00	0.00	0.00	1507.51	3790.00	1513.57	0.00	1514.92	14.06	11.68	524.10	1010.59
	21.000	184.24	0.00	0.00	1507.79	3790.00	1513.82	0.00	1515.19	14.40	11.77	519.71	998.71
*	22.000	5.00	0.00	0.00	1507.80	3790.00	1513.82	0.00	1515.20	14.42	11.78	519.46	998.04
	23.000	5.00	0.00	0.00	1507.80	3790.00	1513.83	0.00	1515.21	14.43	11.78	519.31	997.64

*	24.000	5.76	0.00	0.00	1511.85	3790.00	1517.43	1517.43	1519.20	20.32	13.22	460.20	840.82
	25.000	5.00	0.00	0.00	1511.86	3790.00	1517.46	1517.45	1519.21	20.03	13.16	462.52	846.83
	30.000	296.00	0.00	0.00	1512.30	3790.00	1518.42	0.00	1519.74	13.58	11.54	530.45	1028.34
	35.000	296.00	0.00	0.00	1512.75	3790.00	1518.80	0.00	1520.16	14.18	11.71	522.42	1006.32
*	40.000	20.00	0.00	0.00	1516.86	3790.00	1522.44	1522.44	1524.21	20.29	13.22	460.39	841.30
*	45.000	296.00	0.00	0.00	1517.30	3790.00	1523.42	0.00	1524.74	13.58	11.55	530.43	1028.28
	50.000	296.00	0.00	0.00	1517.74	3790.00	1523.80	0.00	1525.16	14.18	11.71	522.51	1006.58
*	55.000	20.00	0.00	0.00	1521.86	3790.00	1527.44	1527.44	1529.20	20.32	13.22	460.17	840.73
	60.000	296.00	0.00	0.00	1522.30	3790.00	1528.42	0.00	1529.74	13.57	11.54	530.57	1028.66
*	65.000	296.00	0.00	0.00	1522.74	3790.00	1528.80	0.00	1530.16	14.17	11.71	522.57	1006.74
*	70.000	20.00	0.00	0.00	1526.86	3790.00	1532.44	1532.44	1534.20	20.32	13.22	460.20	840.82
	75.000	296.00	0.00	0.00	1527.30	3790.00	1533.42	0.00	1534.74	13.58	11.54	530.55	1028.61
*	80.000	296.00	0.00	0.00	1527.74	3790.00	1533.80	0.00	1535.16	14.17	11.71	522.57	1006.73
*	85.000	20.00	0.00	0.00	1531.86	3790.00	1537.44	1537.44	1539.20	20.32	13.22	460.20	840.82
	90.000	296.00	0.00	0.00	1532.30	3360.00	1538.82	0.00	1539.67	8.12	9.33	584.27	1179.44
	100.000	296.00	0.00	0.00	1532.74	3360.00	1539.00	0.00	1539.96	9.67	9.90	549.28	1080.49
*	105.000	20.00	0.00	0.00	1536.85	3360.00	1542.15	1542.15	1543.80	20.15	12.68	423.84	748.46
	110.000	296.00	0.00	0.00	1537.30	3360.00	1543.08	0.00	1544.33	13.73	11.14	485.39	906.73
	115.000	296.00	0.00	0.00	1537.74	3360.00	1543.48	0.00	1544.75	14.14	11.25	480.40	893.54
*	120.000	20.00	0.00	0.00	1541.85	3360.00	1547.15	1547.15	1548.80	20.21	12.70	423.44	747.46
	125.000	296.00	0.00	0.00	1542.30	3360.00	1548.09	0.00	1549.33	13.72	11.14	485.58	907.23
	130.000	296.00	0.00	0.00	1542.74	3360.00	1548.48	0.00	1549.75	14.13	11.25	480.56	893.96
*	135.000	20.00	0.00	0.00	1546.85	3360.00	1552.15	1552.15	1553.80	20.20	12.69	423.47	747.53
*	140.000	296.00	0.00	0.00	1547.30	2145.00	1553.70	0.00	1554.20	4.56	6.90	480.79	1004.95
	145.000	296.00	0.00	0.00	1547.74	2145.00	1553.78	0.00	1554.39	5.80	7.48	440.64	890.60
*	150.000	20.00	0.00	0.00	1551.86	2145.00	1556.45	1556.45	1557.89	19.13	11.16	286.09	490.42
	155.000	296.00	0.00	0.00	1552.30	2145.00	1557.28	0.00	1558.39	13.46	9.91	325.10	584.71
*	160.000	296.00	0.00	0.00	1552.74	2145.00	1557.66	0.00	1558.81	14.17	10.09	319.08	569.82
*	165.000	20.00	0.00	0.00	1556.86	2145.00	1561.44	1561.44	1562.89	19.20	11.17	285.72	489.55
	170.000	296.00	0.00	0.00	1557.30	2145.00	1562.28	0.00	1563.39	13.43	9.91	325.36	585.35
	175.000	296.00	0.00	0.00	1557.74	2145.00	1562.66	0.00	1563.81	14.15	10.08	319.24	570.23

*	180.000	20.00	0.00	0.00	1561.85	2145.00	1566.44	1566.44	1567.88	19.20	11.17	285.72	489.55
	185.000	296.00	0.00	0.00	1562.30	2108.00	1567.35	0.00	1568.38	12.25	9.55	332.20	602.38
*	190.000	296.00	0.00	0.00	1562.74	2108.00	1567.68	0.00	1568.78	13.46	9.86	321.01	574.59
*	195.000	20.00	0.00	0.00	1566.85	2108.00	1571.41	1571.41	1572.84	19.14	11.10	282.46	481.90
	200.000	296.00	0.00	0.00	1567.30	2108.00	1572.24	0.00	1573.34	13.44	9.85	321.21	575.08
	205.000	296.00	0.00	0.00	1567.74	2108.00	1572.62	0.00	1573.76	14.17	10.03	315.08	560.01
*	210.000	20.00	0.00	0.00	1571.85	2108.00	1576.41	1576.41	1577.83	19.19	11.11	282.16	481.21
*	215.000	296.00	0.00	0.00	1572.30	2108.00	1577.24	0.00	1578.34	13.42	9.85	321.37	575.48
	220.000	296.00	0.00	0.00	1572.74	2108.00	1577.62	0.00	1578.76	14.15	10.03	315.21	560.31
*	225.000	20.00	0.00	0.00	1576.85	2108.00	1581.41	1581.41	1582.83	19.19	11.10	282.19	481.27
	230.000	296.00	0.00	0.00	1577.30	2108.00	1582.24	0.00	1583.34	13.42	9.85	321.36	575.44
	235.000	296.00	0.00	0.00	1577.74	2108.00	1582.62	0.00	1583.76	14.15	10.03	315.20	560.31
*	240.000	20.00	0.00	0.00	1581.85	2108.00	1586.40	1586.40	1587.83	19.19	11.10	282.19	481.27
	245.000	296.00	0.00	0.00	1582.30	1906.00	1587.52	0.00	1588.27	8.63	8.22	350.52	648.75
*	250.000	296.00	0.00	0.00	1582.74	1906.00	1587.72	0.00	1588.59	10.53	8.78	326.19	587.40
*	255.000	20.00	0.00	0.00	1586.85	1906.00	1591.21	1591.21	1592.56	19.07	10.72	262.70	436.41
*	260.000	296.00	0.00	0.00	1587.30	1906.00	1592.02	0.00	1593.06	13.37	9.52	299.05	521.17
	265.000	296.00	0.00	0.00	1587.74	1906.00	1592.39	0.00	1593.48	14.20	9.71	292.59	505.78
*	270.000	20.00	0.00	0.00	1591.85	1906.00	1596.21	1596.21	1597.56	19.03	10.72	262.92	436.90
*	275.000	296.00	0.00	0.00	1592.30	1735.00	1597.26	0.00	1598.00	8.89	8.04	324.03	582.04
	280.000	296.00	0.00	0.00	1592.74	1735.00	1597.47	0.00	1598.32	10.89	8.61	300.92	525.66
*	285.000	20.00	0.00	0.00	1596.85	1735.00	1601.03	1601.03	1602.31	18.96	10.38	245.71	398.45
	290.000	296.00	0.00	0.00	1597.30	1735.00	1601.82	0.00	1602.81	13.34	9.22	279.51	475.02
	295.000	296.00	0.00	0.00	1597.74	1735.00	1602.20	0.00	1603.23	14.25	9.43	272.88	459.66
*	300.000	20.00	0.00	0.00	1601.85	1735.00	1606.03	1606.03	1607.31	19.02	10.39	245.43	397.82
	305.000	296.00	0.00	0.00	1602.29	1735.00	1606.83	0.00	1607.81	13.32	9.22	279.69	475.43
	310.000	296.00	0.00	0.00	1602.74	1735.00	1607.20	0.00	1608.23	14.23	9.42	272.99	459.92
*	315.000	20.00	0.00	0.00	1606.85	1735.00	1611.03	1611.03	1612.31	18.99	10.39	245.57	398.13
	320.000	296.00	0.00	0.00	1610.20	1464.00	1612.44	1612.30	1613.28	69.85	7.35	199.05	175.17
	325.000	296.00	0.00	0.00	1611.09	1464.00	1614.07	0.00	1614.51	26.22	5.35	273.56	285.90
*	330.000	20.00	0.00	0.00	1614.31	1464.00	1616.42	1616.42	1617.38	86.15	7.87	186.07	157.73

	335.000	296.00	0.00	0.00	1615.20	1464.00	1618.24	0.00	1618.66	24.41	5.23	280.04	296.32
	340.000	296.00	0.00	0.00	1616.09	1464.00	1618.99	0.00	1619.46	28.70	5.51	265.60	273.28
*	345.000	20.00	0.00	0.00	1619.31	1464.00	1621.41	1621.41	1622.38	86.73	7.88	185.67	157.20
	350.000	296.00	0.00	0.00	1620.20	1464.00	1623.24	0.00	1623.66	24.35	5.22	280.27	296.68
*	355.000	296.00	0.00	0.00	1621.09	1464.00	1623.99	0.00	1624.46	28.68	5.51	265.66	273.37
*	360.000	20.00	0.00	0.00	1624.31	1464.00	1626.41	1626.41	1627.38	86.43	7.88	185.89	157.48
*	365.000	296.00	0.00	0.00	1625.20	1464.00	1628.24	0.00	1628.66	24.38	5.23	280.15	296.48
*	370.000	296.00	0.00	0.00	1626.09	1464.00	1628.99	0.00	1629.46	28.69	5.51	265.63	273.33
*	375.000	20.00	0.00	0.00	1629.31	1464.00	1631.41	1631.41	1632.38	86.67	7.88	185.72	157.26
	380.000	296.00	0.00	0.00	1630.50	654.00	1633.42	0.00	1633.63	13.31	3.63	180.15	179.29
*	385.000	296.00	0.00	0.00	1631.68	654.00	1633.89	0.00	1634.29	35.55	5.04	129.78	109.69
*	390.000	20.00	0.00	0.00	1634.32	654.00	1635.98	1635.98	1636.73	94.99	6.96	94.03	67.10
*	395.000	296.00	0.00	0.00	1635.50	654.00	1637.84	0.00	1638.19	28.66	4.69	139.38	122.17
	400.000	296.00	0.00	0.00	1636.68	654.00	1638.79	0.00	1639.23	41.45	5.30	123.36	101.59
*	405.000	20.00	0.00	0.00	1639.32	654.00	1640.98	1640.98	1641.73	95.04	6.96	94.02	67.09
	410.000	296.00	0.00	0.00	1640.50	654.00	1642.84	0.00	1643.19	28.65	4.69	139.39	122.18

ROADSIDE DITCH EAST-WEST
SUMMARY PRINTOUT TABLE 150

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
*	1.000	3790.00	1497.38	0.00	0.00	0.38	128.60	0.00
*	2.000	3790.00	1498.27	0.00	0.90	0.00	131.73	300.00
	3.000	3790.00	1498.78	0.00	0.51	0.00	132.72	284.00
	4.000	3790.00	1498.80	0.00	0.01	0.00	132.78	5.00
*	5.000	3790.00	1498.81	0.00	0.01	0.00	132.82	5.00
*	6.000	3790.00	1503.59	0.00	4.78	0.00	128.60	6.00
	7.000	3790.00	1503.62	0.00	0.03	0.00	128.74	6.00
*	8.000	3790.00	1504.25	0.00	0.63	0.00	131.89	144.00
*	9.000	3790.00	1504.48	0.00	0.23	0.00	132.39	128.68
	10.000	3790.00	1504.49	0.00	0.01	0.00	132.39	5.00
*	11.000	3790.00	1504.49	0.00	0.01	0.00	132.41	5.00
*	12.000	3790.00	1508.83	0.00	4.34	0.00	128.53	11.32

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	13.000	3790.00	1508.87	0.00	0.04	0.00	128.70	6.00
	14.000	3790.00	1509.45	0.00	0.58	0.00	132.36	94.00
	15.000	3790.00	1509.70	0.00	0.25	0.00	132.10	183.80
	16.000	3790.00	1509.70	0.00	0.01	0.00	132.08	5.00
	17.000	3790.00	1509.71	0.00	0.01	0.00	132.07	5.00
*	18.000	3790.00	1512.78	0.00	3.07	0.00	128.60	6.24
	19.000	3790.00	1512.81	0.00	0.03	0.00	128.74	5.00
	20.000	3790.00	1513.57	0.00	0.76	0.00	132.50	195.00
	21.000	3790.00	1513.82	0.00	0.25	0.00	132.21	184.24
*	22.000	3790.00	1513.82	0.00	0.01	0.00	132.20	5.00
	23.000	3790.00	1513.83	0.00	0.01	0.00	132.19	5.00
*	24.000	3790.00	1517.43	0.00	3.60	0.00	128.53	5.76
	25.000	3790.00	1517.46	0.00	0.03	0.00	128.68	5.00
	30.000	3790.00	1518.42	0.00	0.96	0.00	132.82	296.00
	35.000	3790.00	1518.80	0.00	0.38	0.00	132.33	296.00
*	40.000	3790.00	1522.44	0.00	3.64	0.00	128.55	20.00
*	45.000	3790.00	1523.42	0.00	0.98	0.00	132.82	296.00
	50.000	3790.00	1523.80	0.00	0.38	0.00	132.34	296.00
*	55.000	3790.00	1527.44	0.00	3.64	0.00	128.53	20.00
	60.000	3790.00	1528.42	0.00	0.98	0.00	132.82	296.00
*	65.000	3790.00	1528.80	0.00	0.38	0.00	132.34	296.00
*	70.000	3790.00	1532.44	0.00	3.64	0.00	128.53	20.00
	75.000	3790.00	1533.42	0.00	0.98	0.00	132.82	296.00
*	80.000	3790.00	1533.80	0.00	0.38	0.00	132.34	296.00
*	85.000	3790.00	1537.44	0.00	3.64	0.00	128.53	20.00
	90.000	3360.00	1538.82	0.00	1.38	0.00	136.01	296.00
	100.000	3360.00	1539.00	0.00	0.18	0.00	133.94	296.00
*	105.000	3360.00	1542.15	0.00	3.15	0.00	126.26	20.00
	110.000	3360.00	1543.08	0.00	0.93	0.00	130.09	296.00
	115.000	3360.00	1543.48	0.00	0.39	0.00	129.78	296.00

*	120.000	3360.00	1547.15	0.00	3.67	0.00	126.23	20.00
	125.000	3360.00	1548.09	0.00	0.94	0.00	130.10	296.00
	130.000	3360.00	1548.48	0.00	0.39	0.00	129.79	296.00
*	135.000	3360.00	1552.15	0.00	3.67	0.00	126.24	20.00
*	140.000	2145.00	1553.70	0.00	1.55	0.00	115.15	296.00
	145.000	2145.00	1553.78	0.00	0.08	0.00	112.33	296.00
*	150.000	2145.00	1556.45	0.00	2.66	0.00	100.72	20.00
	155.000	2145.00	1557.28	0.00	0.83	0.00	103.78	296.00
*	160.000	2145.00	1557.66	0.00	0.38	0.00	103.31	296.00
*	165.000	2145.00	1561.44	0.00	3.79	0.00	100.70	20.00
	170.000	2145.00	1562.28	0.00	0.84	0.00	103.80	296.00
	175.000	2145.00	1562.66	0.00	0.38	0.00	103.32	296.00
*	180.000	2145.00	1566.44	0.00	3.78	0.00	100.70	20.00
	185.000	2108.00	1567.35	0.00	0.91	0.00	104.32	296.00
*	190.000	2108.00	1567.68	0.00	0.33	0.00	103.46	296.00
*	195.000	2108.00	1571.41	0.00	3.73	0.00	100.44	20.00
	200.000	2108.00	1572.24	0.00	0.83	0.00	103.48	296.00
	205.000	2108.00	1572.62	0.00	0.38	0.00	103.00	296.00
*	210.000	2108.00	1576.41	0.00	3.79	0.00	100.41	20.00
*	215.000	2108.00	1577.24	0.00	0.83	0.00	103.49	296.00
	220.000	2108.00	1577.62	0.00	0.38	0.00	103.01	296.00
*	225.000	2108.00	1581.41	0.00	3.79	0.00	100.41	20.00
	230.000	2108.00	1582.24	0.00	0.83	0.00	103.49	296.00
	235.000	2108.00	1582.62	0.00	0.38	0.00	103.01	296.00
*	240.000	2108.00	1586.40	0.00	3.79	0.00	100.41	20.00
	245.000	1906.00	1587.52	0.00	1.12	0.00	105.72	296.00
*	250.000	1906.00	1587.72	0.00	0.20	0.00	103.86	296.00
*	255.000	1906.00	1591.21	0.00	3.49	0.00	98.85	20.00
*	260.000	1906.00	1592.02	0.00	0.81	0.00	101.75	296.00
	265.000	1906.00	1592.39	0.00	0.37	0.00	101.24	296.00

*	270.000	1906.00	1596.21	0.00	3.82	0.00	98.87	20.00
*	275.000	1735.00	1597.26	0.00	1.05	0.00	103.69	296.00
	280.000	1735.00	1597.47	0.00	0.21	0.00	101.90	296.00
*	285.000	1735.00	1601.03	0.00	3.56	0.00	97.46	20.00
	SECND	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	290.000	1735.00	1601.82	0.00	0.79	0.00	100.20	296.00
	295.000	1735.00	1602.20	0.00	0.37	0.00	99.67	296.00
*	300.000	1735.00	1606.03	0.00	3.83	0.00	97.44	20.00
	305.000	1735.00	1606.83	0.00	0.79	0.00	100.21	296.00
	310.000	1735.00	1607.20	0.00	0.37	0.00	99.68	296.00
*	315.000	1735.00	1611.03	0.00	3.83	0.00	97.45	20.00
	320.000	1464.00	1612.44	0.00	1.41	0.00	97.90	296.00
	325.000	1464.00	1614.07	0.00	1.63	0.00	103.81	296.00
*	330.000	1464.00	1616.42	0.00	2.35	0.00	96.84	20.00
	335.000	1464.00	1618.24	0.00	1.82	0.00	104.31	296.00
	340.000	1464.00	1618.99	0.00	0.75	0.00	103.20	296.00
*	345.000	1464.00	1621.41	0.00	2.43	0.00	96.80	20.00
	350.000	1464.00	1623.24	0.00	1.83	0.00	104.33	296.00
*	355.000	1464.00	1623.99	0.00	0.75	0.00	103.20	296.00
*	360.000	1464.00	1626.41	0.00	2.43	0.00	96.82	20.00
*	365.000	1464.00	1628.24	0.00	1.82	0.00	104.32	296.00
*	370.000	1464.00	1628.99	0.00	0.75	0.00	103.20	296.00
*	375.000	1464.00	1631.41	0.00	2.43	0.00	96.81	20.00
	380.000	654.00	1633.42	0.00	2.01	0.00	73.36	296.00
*	385.000	654.00	1633.89	0.00	0.47	0.00	67.65	296.00
*	390.000	654.00	1635.98	0.00	2.09	0.00	63.28	20.00
*	395.000	654.00	1637.84	0.00	1.86	0.00	68.78	296.00
	400.000	654.00	1638.79	0.00	0.95	0.00	66.89	296.00
*	405.000	654.00	1640.98	0.00	2.19	0.00	63.28	20.00
	410.000	654.00	1642.84	0.00	1.86	0.00	68.78	296.00

SUMMARY OF ERRORS AND SPECIAL NOTES

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CAUTION  SECNO=     1.000  PROFILE= 1  WSEL ASSUMED BASED ON MIN DIFF

CAUTION  SECNO=     2.000  PROFILE= 1  CRITICAL DEPTH ASSUMED

CAUTION  SECNO=     5.000  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=     5.000  PROFILE= 1  WSEL ASSUMED BASED ON MIN DIFF

CAUTION  SECNO=     6.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=     6.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=     8.000  PROFILE= 1  CRITICAL DEPTH ASSUMED

CAUTION  SECNO=     9.000  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=     9.000  PROFILE= 1  WSEL ASSUMED BASED ON MIN DIFF

CAUTION  SECNO=    11.000  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    11.000  PROFILE= 1  WSEL ASSUMED BASED ON MIN DIFF

CAUTION  SECNO=    12.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    12.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=    18.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    18.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=    22.000  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    22.000  PROFILE= 1  WSEL ASSUMED BASED ON MIN DIFF

CAUTION  SECNO=    24.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    24.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=    40.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    40.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=    45.000  PROFILE= 1  CRITICAL DEPTH ASSUMED

CAUTION  SECNO=    55.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    55.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=    65.000  PROFILE= 1  CRITICAL DEPTH ASSUMED

CAUTION  SECNO=    70.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    70.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=    80.000  PROFILE= 1  CRITICAL DEPTH ASSUMED

CAUTION  SECNO=    85.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    85.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   105.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   105.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL
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CAUTION  SECNO=   120.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   120.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   135.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   135.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   140.000  PROFILE= 1  CRITICAL DEPTH ASSUMED

CAUTION  SECNO=   150.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   150.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   160.000  PROFILE= 1  CRITICAL DEPTH ASSUMED

CAUTION  SECNO=   165.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   165.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   180.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   180.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   190.000  PROFILE= 1  CRITICAL DEPTH ASSUMED

CAUTION  SECNO=   195.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   195.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   210.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   210.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   215.000  PROFILE= 1  CRITICAL DEPTH ASSUMED

CAUTION  SECNO=   225.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   225.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   240.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   240.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   250.000  PROFILE= 1  CRITICAL DEPTH ASSUMED

CAUTION  SECNO=   255.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   255.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   260.000  PROFILE= 1  CRITICAL DEPTH ASSUMED

CAUTION  SECNO=   270.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   270.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   275.000  PROFILE= 1  CRITICAL DEPTH ASSUMED

CAUTION  SECNO=   285.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   285.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   300.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   300.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   315.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
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CAUTION  SECNO=   315.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   330.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   330.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   345.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   345.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   355.000  PROFILE= 1  CRITICAL DEPTH ASSUMED

CAUTION  SECNO=   360.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   360.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   365.000  PROFILE= 1  CRITICAL DEPTH ASSUMED

CAUTION  SECNO=   370.000  PROFILE= 1  CRITICAL DEPTH ASSUMED

CAUTION  SECNO=   375.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   375.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   385.000  PROFILE= 1  CRITICAL DEPTH ASSUMED

CAUTION  SECNO=   390.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   390.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=   395.000  PROFILE= 1  CRITICAL DEPTH ASSUMED

CAUTION  SECNO=   405.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=   405.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL
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