THIS RUN EXECUTED 08/01/81 8:21:55

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*********************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED JULY1977
  ERROR CORR - 01,02,03
  MODIFICATION - 50,51,52,53,54
*********************************************************

T1     WAYNESVILLE NC                        MACONCRF 11- 5-80 GNC          10
T2     100 YEAR FLOOD                        FILL KEY = YCI-094             20
T3     ACOON CREEK                           100 YEAR FLOODWAY              30

J1  ICHECK   INQ   NINV   IDIR   STRT  METRIC  HVINS    Q     WSEL    FQ

         0.    4.     0.     0.  0.0       0.    0.0     0. [illegible]  0.0   40

J2  NPROF  IPLOT  PRFVS  XSECV  XSECH    FN   ALLDC    IBW  CHNIM ITRACE

        0.     0.  [illegible]  0.     0.   0.0    0.0     0.     0.     0.   50

J3  VARIABLE CODES FOR SUMMARY PRINTOUT

     110.00    0.0    0.0  [illegible]  0.0   0.0    0.0    0.0    0.0    0.0   60

NC  0.130  0.140  0.050   0.1    0.[illegible]                                  70
ET     6.  1400.   2300.  2300.  4035.  2800.  4035.     0.     0.     0.   80
ET     0.    0.0     0.0    0.0    0.0   7.11  90.00 175.00    0.0    0.0   90

X1   0.16    19.    105.   126.     0.     0.     0.    0.0    0.0     0.  100
GR 2600.0    34.  2585.0    51. 2583.7    56. 2582.5    63. 2574.2    74.  110
GR 2573.5    75.  2568.8   105. 2567.7   106. 2567.3   114. 2567.4   121.  120
GR 2569.0   124.  2570.8   126. 2572.5   136. 2573.2   150. 2573.6   180.  130
GR 2574.0   192.  2581.7   216. 2586.0   224. 2600.0   245.    0.0     0.  140
ET     0.    0.0     0.0    0.0    0.0   7.11  90.00 175.00    0.0    0.0  150

X1   0.16     0.      0.     0.    40.    40.    40.    0.0    0.0     0.  160
ET     0.    0.0     0.0    0.0    0.0   7.11  90.00 175.00    0.0    0.0  170

X1   0.16    82.     73.   [illegible]  1.   1.     1.    0.0    0.0     0.  180
BT    6.0   42.0 [illegible] [illegible] 67.0 2588.0  0.0   67.0 2588.0 2585.5  190
BT  239.0 2587.7  2585.4  239.0 2587.7    0.0  263.0 2610.0    0.0    0.0  200
GR 2610.0    42.  2580.[illegible]  67. 2585.5  70. 2582.8  73. 2585.5  73.  210
GR 2582.5    74.  2582.8    74. 2576.0    84. 2585.5    84. 2585.5    85.  220
GR 2574.0    85.  2574.0    94. 2585.5    94. 2585.5    95. 2574.0    95.  230
GR 2570.7   104.  2585.5   104. 2585.5   105. 2570.7   105. 2568.4   109.  240
GR 2568.5   113.  2585.5   113. 2585.5   114. 2568.5   114. 2568.7   118.  250
GR 2568.4   122.  2585.4   122. 2585.4   123. 2568.4   123. 2568.6   126.  260
GR 2568.4   134.  2585.4   134. 2585.4   135. 2568.4   135. 2568.5   138.  270
GR 2569.0   141.  2585.4   141. 2585.4   142. 2569.0   142. 2570.7   150.  280
GR 2585.4   150.  2585.4   151. 2570.7   151. 2571.0   157. 2585.4   157.  290
GR 2585.4   158.  2571.0   158. 2571.6   167. 2585.4   167. 2585.4   168.  300
GR 2571.6   168.  2572.0   177. 2585.4   177. 2585.4   178. 2572.0   178.  310
GR 2572.0   187.  2585.4   187. 2585.4   188. 2572.0   188. 2573.0   191.  320
GR 2585.4   191.  2585.4   192. 2573.0   192. 2573.0   205. 2585.4   205.  330
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B01

GR	2585.4	204.	25[illegible]	206.	2575.2	215.	2585.4	215.	2585.4	216.	340
GR	2575.2	216.	2580	225.	2585.4	225.	2585.4	226.	2580.8	226.	350
GR	2583.2	233.	25[illegible]	233.	2585.4	234.	2583.2	234.	2583.7	235.	360
GR	2587.7	239.	26[illegible]	263.	0.0	0.	0.0	0.	0.0	0.	370
ET	0.	0.0	[illegible]	0.0	0.0	7.11	90.00	175.00	0.0	0.0	380
X1	0.16	0.	0.	0.	30.	30.	30.	0.0	0.0	0.	390
X2	0.	0.0	0.	0.0	0.0	0.0	1.	0.0	0.0	0.	400
ET	0.	0.0	0.0	0.0	0.0	7.11	90.00	175.00	0.0	0.0	410
X1	0.16	19.	[illegible]05.	126.	1.	1.	1.	0.0	0.0	0.	420
GR	2600.0	34.	2588.0	51.	2583.0	56.	2582.5	63.	2574.2	74.	430
GR	2573.5	95.	2568.8	105.	2567.7	106.	2567.3	114.	2567.4	121.	440
GR	2569.0	124.	2570.8	126.	2572.5	136.	2573.2	150.	2573.6	180.	450
GR	2574.0	192.	2581.7	216.	2586.0	224.	2600.0	245.	0.0	0.	460
ET	0.	0.0	0.0	0.0	0.0	7.[illegible]	90.00	175.00	0.0	0.0	470
X1	0.16	0.	0.	0.	10.	10.	10.	0.0	0.0	0.	480
NC	0.130	0.130	0.055	0.0	0.0						490
QT	6.	[illegible]	2300.	2800.	4030.	2800.	4030.	0.	0.	0.	500
ET	0.	0.0	0.0	0.0	0.0	7.11	80.00	150.00	0.0	0.0	510
X1	0.21	20.	94.	125.	160.	160.	160.	0.0	0.0	0.	520
GR	2589.9	14.	2583.7	26.	2580.8	40.	2577.1	72.	2574.7	79.	530
GR	2574.4	94.	2569.1	100.	2568.7	104.	2568.7	109.	2569.3	112.	540
GR	2572.0	119.	2576.1	125.	2576.5	159.	2576.5	164.	2577.5	183.	550
GR	2582.4	216.	2583.3	236.	2582.6	263.	2582.3	264.	2589.9	275.	560
ET	0.	0.0	0.0	0.0	0.0	7.11	80.00	150.00	0.0	0.0	570
X1	0.21	0.	0.	0.	50.	50.	50.	0.0	0.0	0.	580
SS	1.25	1.60	3.00	0.	12.00	0.01	68.00	0.0	2568.0	2568.0	590
ET	0.	0.0	0.0	0.0	0.0	7.11	80.00	150.00	0.0	0.0	600
X1	0.21	0.	0.	0.	30.	30.	30.	0.0	0.0	0.	610
X2	0.	0.0	1.	2573.6	2574.5	0.0	0.	0.0	0.0	0.	620
BT	14.0	14.0	2589.9	0.0	26.0	2583.7	0.0	40.0	2580.8	0.0	630
BT	72.0	2577.1	0.0	79.0	2574.7	0.0	94.0	2574.4	0.0	99.0	640
BT	2574.5	0.0	115.0	2575.1	0.0	164.0	2577.9	0.0	216.0	2582.4	650
BT	0.0	236.0	2583.3	0.0	263.0	2582.6	0.0	264.0	2582.3	0.0	660
BT	275.0	2589.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	670
ET	0.	0.0	0.0	0.0	0.0	7.[illegible]	80.00	150.00	0.0	0.0	680
X1	0.21	0.	0.	0.	10.	10.	10.	0.0	0.0	0.	690
NC	0.140	0.130	0.055	0.0	0.0						700
QT	6.	1400.	2300.	2800.	4025.	2800.	4025.	0.	0.	0.	710
ET	0.	0.0	0.0	0.0	0.0	7.11	560.00	675.00	0.0	0.0	720
X1	0.26	26.	595.	611.	90.	90.	90.	0.0	0.0	0.	730
GR	2600.0	40.	2595.3	80.	2589.7	200.	2587.6	300.	2581.7	560.	740
GR	2579.8	575.	2577.6	586.	2574.0	595.	2572.3	599.	2570.7	601.	750
GR	2570.4	602.	2570.8	607.	2572.0	610.	2573.2	611.	2574.0	612.	760
GR	2575.2	613.	2579.2	617.	2581.3	620.	2582.5	622.	2582.4	650.	770

C01

C01

GR	2581.8	700.	2581.4	720.	2579.8	746.	2578.7	752.	2586.7	758.	780
GR	2600.0	775.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	790
ET	0.	0.0	0.0	0.0	0.0	7.11	560.00	675.00	0.0	0.0	800
X1	0.26	0.	0.	0.	50.	50.	50.	0.0	0.0	0.	810
SB	1.25	1.60	3.00	0.	32.00	0.01	272.00	0.0	2570.5	2570.	820
NC	0.080	0.080	0.055	0.0	0.0						830
ET	0.	0.0	0.0	0.0	0.0	7.11	560.00	[illegible].00	0.0	0.0	840
X1	0.26	20.	597.	622.	30.	30.	30.	0.0	0.0	0.	850
X2	0.	0.0	1.	2579.0	2578.8	0.0	0.	0.0	0.0	0.	860
X3	10.	0.0	0.0	0.	0.0	0.	0.0	2583.0	2581.0		870
BT	13.0	40.0	2600.0	0.0	80.0	2595.3	0.0	130.0	2593.0	0.0	880
BT	200.0	2591.3	0.0	300.0	2589.0	0.0	599.0	2582.6	0.0	621.0	890
BT	2582.4	0.0	700.0	2581.8	0.0	720.0	2581.4	0.0	746.0	2579.8	900
BT	0.0	752.0	2578.7	0.0	759.0	2586.7	0.0	775.0	2600.0	0.0	910
GR	2600.0	40.	2595.3	80.	2589.7	200.	2587.6	300.	2584.	345.	920
GR	2577.6	425.	2575.3	500.	2574.0	597.	2571.5	600.	2570.8	600.	930
GR	2570.4	602.	2571.4	620.	2574.2	622.	2575.4	650.	2576.7	711.	940
GR	2581.4	720.	2579.8	746.	2578.7	752.	2586.7	758.	2600.0	775.	950
ET	0.	0.0	0.0	0.0	0.0	7.11	560.00	675.00	0.0	0.0	960
X1	0.26	0.	0.	0.	50.	50.	50.	0.0	0.0	0.	970
NC	0.100	0.100	0.045	0.0	0.0						980
QT	6.	1400.	2300.	2800.	4000.	2800.	4000.	0.	0.	0.	990
ET	0.	0.0	0.0	0.0	0.0	7.11	560.00	675.00	0.0	0.0	1000
X1	0.40	10.	590.	615.	560.	580.	580.	0.0	0.0	0.	1010
XS	-1.	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1020
GR	2587.6	300.	2585.1	400.	2580.4	500.	2580.0	590.	2573.4	600.	1030
GR	2573.2	605.	2573.6	610.	2579.0	615.	2580.0	700.	2591.0	764.	1040
ET	0.	0.0	0.0	0.0	0.0	7.11	30.00	105.00	0.0	0.0	1050
X1	0.46	10.	48.	90.	320.	320.	320.	0.0	0.0	0.	1060
GR	2587.2	0.	2585.0	43.	2580.0	48.	2576.0	65.	2577.0	79.	1070
GR	2580.0	90.	2585.0	100.	2590.0	120.	2591.4	140.	2597.7	148.	1080
ET	0.	0.0	0.0	0.0	0.0	7.11	40.00	90.00	0.0	0.0	1090
X1	0.30	16.	50.	80.	340.	340.	340.	0.0	0.0	0.	1100
GR	2597.7	5.	2589.8	15.	2588.8	19.	2588.8	26.	2588.5	33.	1110
GR	2580.0	50.	2578.4	54.	2577.8	59.	2577.2	64.	2578.3	75.	1120
GR	2581.0	80.	2590.3	97.	2590.7	100.	2592.4	123.	2591.4	139.	1130
GR	2597.6	148.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	1140
NC	0.100	0.100	0.045	0.0	0.0						1150
QT	6.	1400.	2300.	2800.	4000.	2800.	4000.	0.	0.	0.	1160
ET	0.	0.0	0.0	[illegible]	[illegible]	7.11	40.00	90.00	0.0	0.0	1170
X1	0.52	16.	54.	[illegible]	[illegible]	[illegible]	80.	0.0	0.70	0.	1180
GR	2597.7	5.	2589.8	[illegible]	[illegible]	[illegible]	2588.8	26.	2588.5	33.	1190
GR	2580.0	50.	2578.4	[illegible]	[illegible]	[illegible]	2577.2	64.	2578.3	75.	1200
GR	2581.0	80.	2590.3	[illegible]	[illegible]	[illegible]	2592.4	123.	2591.4	139.	1210
GR	2597.6	148.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	1220
NC	0.120	0.120	0.055	0.0	0.0						1230

D01

D01

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ET     0.   0.0    0.0    0.0    0.0    7.11   90.00  140.00    0.0    0.0   1240

X1   0.52   18.    103.   122.    40.    40.     40.    0.0     0.0     0.  1250
X3    10.   0.0    0.0     0.    0.0     0.     0.0 2588.0  2588.0         1260
GR 2600.0    0. 2590.0    28. 2591.4    34.  2591.4    70.  2589.8    77.  1270
GR 2584.0   88. 2583.4    93. 2580.6    99. [illegible]   101.  2578.7   103.  1280
GR 2578.6  104. 2578.6   118. 2580.2   122. [illegible]   133.  2591.2   158.  1290
GR 2591.3  162. 2591.2   200. 2601.0   220. [illegible]     0.     0.0     0.  1300
SB   1.25  1.60   3.00     0.  16.00   0.01 [illegible]    0.0  2577.9 2577.9  1310
NC  0.100 0.100  0.050    0.0    0.0                                          1320
ET     0.   0.0    0.0    0.0    0.0   7.11   90.00  140.00    0.0    0.0    1330

X1   0.52     0     0.     0.    30.    30.     30.    0.0     0.0     0.  1340
X2     0.   0.0     1. 2588.3 2591.6    0.0      0.    0.0     0.0     0.  1350
X3    10.   0.0    0.0     0.    0.0     0.     0.0 [illegible]  2592.0         1360
BT    8.0   1.0 2610.0    0.0   15.0 2592.0     0.0 [illegible]  2591.5    0.0  1370
BT  125.0 2591.5   0.0  162.0 2591.4    0.0   200.0 2591.1     0.0  218.0  1380
BT 2600.0   0.0  220.0 2610.0    0.0    0.0     0.0    0.0     0.0    0.0  1390
ET     0.   0.0    0.0    0.0    0.0   7.11   90.00  140.00    0.0    0.0   1400

X1   0.52   18.    99.   125.    40.    40.     40.    0.0     0.0     0.  1410
GR 2610.0   16. 2590.0    28. 2591.4    34.  2591.4    70.  2589.8    77.  1420
GR 2584.0   88. 2583.4    93. 2580.6    99.  2578.9   101.  2578.4   103.  1430
GR 2578.6  104. 2578.6   118. 2580.2   125.  2581.2   133.  2591.2   158.  1440
GR 2592.0  174. 2597.6   176. 2610.0   186.     0.0     0.     0.0     0.  1450
NC  0.100 0.100  0.050    0.0    0.0                                          1460
       0.   0.0    0.0    0.0    0.0   7.11  470.00  600.00    0.0    0.0   1470

X1   0.65   26.   500.   539.   720.   720.    720.    0.0     0.0     0.  1480
GR 2604.6   26. 2600.9   111. 2601.1   141.  2599.6   177.  2598.0   186.  1490
GR 2598.5  191. 2598.4   214. 2594.4   256.  2593.4   350.  2591.9   400.  1500
GR 2590.4  500. 2582.4   517. 2582.2   523.  2581.5   527.  2584.5   539.  1510
GR 2585.4  555. 2586.6   579. 2591.5   601.  2592.5   625.  2592.8   634.  1520
GR 2592.8  649. 2592.8   671. 2592.8   695.  2593.3   700.  2597.6   750.  1530
GR 2603.5  905.    0.0     0.    0.0     0.     0.0     0.     0.0     0.  1540
ET     0.   0.0    0.0    0.0    0.0   7.11  470.00  600.00    0.0    0.0   1550

X1   0.65   26.   500.   555.    40.    40.     40.    0.0     0.0     0.  1560
X3    10.   0.0    0.0     0.    0.0     0.     0.0 2592.0  2592.0         1570
GR 2604.6   26. 2600.9   111. 2601.1   141.  2599.6   177.  2598.0   186.  1580
GR 2598.5  191. 2598.4   214. 2594.4   256.  2593.4   350.  2591.9   400.  1590
GR 2590.4  500. 2582.4   517. 2582.2   523.  2581.5   527.  2584.5   539.  1600
GR 2585.4  555. 2586.6   579. 2591.5   601.  2592.5   625.  2592.8   634.  1610
GR 2592.8  649. 2592.8   671. 2592.8   695.  2593.3   700.  2597.6   750.  1620
GR 2603.5  905.    0.0     0.    0.0     0.     0.0     0.     0.0     0.  1630
SB   1.25  1.60   3.00     0.  22.00   2.00  339.00   2.60  2582.7 2582.7  1640
ET     0.   0.0    0.0    0.0    0.0   7.11  470.00  600.00    0.0    0.0   1650
NC  0.080 0.080  0.045    0.0    0.0                                          1660

X1   0.65    0.     0.     0.    30.    30.     30.    0.0    1.20     0.  1670
X2     0.   0.0     1. 2590.9 2592.4    0.0      0.    0.0     0.0     0.  1680
X3    10.   0.0    0.0     0.    0.0      0     0.0 2592.5  2592.5         1690
BT   22.0  26.0 2604.6    0.0  111.0 2600.9     0.0  141.0  2601.1    0.0  1700
BT  177.0 2599.6   0.0  186.0 2598.0    0.0   191.0 2598.5     0.0  214.0  1710
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E01

E01

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BT 2598.5     0.0   300.0 2597.1     0.0   350.0 2594.9     0.0   400.0 2594.6  1720
BT    0.0   450.0  2593.4    0.0   500.0  2592.4    0.0   500.0  2594.4    0.0  1730
BT  577.0  2594.4     0.0  577.0  2592.4     0.0  634.0  2592.6     0.0  649.0  1740
BT 2592.8     0.0   671.0 2592.8     0.0   695.0 2592.8     0.0   700.0 2593.3  1750
BT    0.0   750.0  2597.6    0.0   905.0  2603.5    0.0     0.0     0.0    0.0  1760
ET    0.    0.0    0.0      0.0    0.0    7.11   470.00  600.00   0.0    0.0   1770

X1   0.65    26.    500.    539.    10.    10.    10.    0.0     1.20    0.    1780
GR 2604.6    26.  2600.9   111.  2601.1   141.  2599.6   177.  2598.0   186.  1790
GR 2598.5   191.  2590.4   214.  2594.4   256.  2593.4   350.  2591.9   400.  1800
GR 2590.4   500.  2582.4   517.  2582.2   523.  2581.5   527.  2584.5   539.  1810
GR 2585.4   555.  2586.6   579.  2591.5   601.  2592.5   625.  2592.8   634.  1820
GR 2592.8   649.  2592.8   671.  2592.8   695.  2593.3   700.  2597.6   750.  1830
GR 2603.5   905.    0.0     0.    0.0     0.     0.0     0.     0.0     0.   1840
NC 0.074  0.074  0.040     0.0    0.0                                         1850
ET    0.    0.0    0.0      0.0    0.0    7.11   170.00  300.00   0.0    0.0   1860

X1   0.82    24.    199.    217.    850.   850.    850.    0.0     0.0     0.   1870
GR 2610.0    20.  2607.4    36.  2604.4    46.  2602.4    58.  2594.3   180.  1880
GR 2593.6   192.  2592.5   195.  2590.0   199.  2589.0   200.  2587.7   201.  1890
GR 2587.4   203.  2586.4   204.  2586.4   208.  2587.0   207.  2590.4   215.  1900
GR 2591.0   217.  2591.7   219.  2593.0   224.  2594.0   300.  2595.6   500.  1910
GR 2595.0   529.  2598.4   548.  2602.2   564.  2610.0   600.    0.0     0.   1920
ET    0.    0.0    0.0      0.0    0.0    7.11   170.00  300.00   0.0    0.0   1930
QT    6.   900.   1500.    1900.  2700.   1900.  2700.     0.      0.      0.   1940

X1   0.82     0.     0.      0.     40.    40.    40.    0.0     0.0     0.   1950
SB   1.25    1.60   3.00     0.    15.00   0.01  95.00    0.0  2586.7  2586.7  1960
ET    0.    0.0    0.0      0.0    0.0    7.11   170.00  300.00   0.0    0.0   1970

X1   0.82     0.     0.      0.     30.    30.    30.    0.0     0.0     0.   1980
X2    0.    0.0     1.    2593.0  2594.0   0.0     0.    0.0     0.0     0.   1990
BT   19.0    20.0  2610.0    0.0    36.0  2607.4    0.0   46.0  2604.4    0.0  2000
BT   58.0  2602.4     0.0  180.0  2594.3     0.0  200.0  2594.6     0.0  210.0  2010
BT 2596.6     0.0   202.0 2596.6     0.0   208.0 2596.6     0.0   215.0 2596.6  2020
BT    0.0   220.0  2596.6    0.0   220.0  2594.6    0.0   250.0  2594.0    0.0  2030
BT  300.0  2594.0     0.0  500.0  2595.6     0.0  529.0  2595.0     0.0  548.0  2040
BT 2598.4     0.0   564.0 2602.0     0.0   600.0 2610.0     0.0     0.0     0.0  2050
ET    0.    0.0    0.0      0.0    0.0    7.11   170.00  300.00   0.0    0.0   2060

X1   0.82     0.     0.      0.     10.    10.    10.    0.0     0.0     0.   2070
NC  0.080  0.080  0.045     0.0    0.0                                         2080
QT    6.   890.   1480.    1860.  2660.   1860.  2660.     0.      0.      0.   2090
ET    0.    0.0    0.0      0.0    0.0    7.11    95.00  150.00   0.0    0.0   2100

X1   0.95    15.    102.    135.    640.   640.    640.    0.0     0.0     0.   2110
GR 2611.1    41.  2608.2    53.  2601.8    75.  2597.0    87.  2595.4   102.  2120
GR 2589.8   114.  2589.2   118.  2589.9   126.  2596.4   135.  2596.4   151.  2130
GR 2600.0   171.  2602.0   178.  2602.8   189.  2608.0   200.  2613.3   210.  2140
NC 0.085  0.085  0.040     0.0    0.0                                         2150
QT    6.   870.   1440.    1810.  2610.   1810.  2610.     0.      0.      0.   2160
ET    0.    0.0    0.0      0.0    0.0    7.11   370.00  450.00   0.0    0.0   2170
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F01

F01

X1	1.14	18.	401.	422.	1480.	1480.	1480.	0.0	0.0	0.	2180
GR	2630.0	43.	2605.6	214.	2604.2	243.	2604.5	264.	2602.7	273.	2190
GR	2600.2	290.	2600.0	350.	2600.7	400.	2600.3	406.	2596.7	410.	2200
GR	2596.2	413.	2596.8	419.	2598.0	422.	2599.4	442.	2600.7	452.	2210
GR	2600.7	459.	2607.5	488.	2630.0	544.	0.0	0.	0.0	0.	2220
NC	0.080	0.095	0.040	0.0	0.0						2230
QT	6.	850.	1390.	1740.	2540.	1740.	2540.	0.	0.	0.	2240
ET	0.	0.0	0.0	0.0	0.0	7.11	185.00	310.00	0.0	0.0	2250
X1	1.40	26.	210.	230.	620.	620.	620.	0.0	0.0	0.	2260
GR	2640.0	49.	2627.0	50.	2622.9	80.	2622.7	87.	2622.0	94.	2270
GR	2621.4	100.	2616.0	110.	2614.4	130.	2610.0	160.	2610.2	195.	2280
GR	2608.4	199.	2606.1	210.	2603.2	215.	2603.0	221.	2605.2	225.	2290
GR	2607.0	230.	2608.7	233.	2607.0	236.	2609.3	285.	2608.2	300.	2300
GR	2608.4	400.	2615.7	500.	2618.2	521.	2626.1	543.	2627.2	556.	2310
GR	2640.0	580.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	2320
ET	0.	0.0	0.0	0.0	0.0	7.11	185.00	310.00	0.0	0.0	2330
X1	1.40	0.	0.	0.	40.	40.	40.	0.0	0.0	0.	2340
SB	1.25	1.60	3.00	0.	15.00	0.01	126.00	0.79	2603.3	2603.3	2350
ET	0.	0.0	0.0	0.0	0.0	7.11	185.00	310.00	0.0	0.0	2360
X1	1.40	0.	0.	0.	30.	30.	30.	0.0	0.0	0.	2370
X2	0.	0.0	1.	2609.6	2609.5	0.0	0.	0.0	0.0	0.	2380
BT	26.0	49.0	2640.0	0.0	50.0	2627.0	0.0	80.0	2622.9	0.0	2390
BT	87.0	2622.7	0.0	94.0	2622.0	0.0	100.0	2621.5	0.0	109.0	2400
BT	2616.1	0.0	130.0	2614.4	0.0	157.0	2610.5	0.0	176.0	2610.7	2410
BT	0.0	201.0	2611.6	0.0	201.0	2613.7	0.0	230.0	2613.7	0.0	2420
BT	230.0	2611.4	0.0	265.0	2610.8	0.0	274.0	2610.8	0.0	280.0	2430
BT	2610.7	0.0	286.0	2610.6	0.0	290.0	2610.5	0.0	300.0	2610.4	2440
BT	0.0	400.0	2609.7	0.0	500.0	2615.7	0.0	520.0	2618.2	0.0	2450
BT	543.0	2626.1	0.0	557.0	2627.2	0.0	580.0	2640.0	0.0	0.0	2460
ET	0.	0.0	0.0	0.0	0.0	7.11	185.00	310.00	0.0	0.0	2470
X1	1.40	0.	0.	0.	10.	10.	10.	0.0	0.0	0.	2480
NC	0.060	0.060	0.040	0.0	0.0						2490
QT	6.	820.	1340.	1660.	2460.	1660.	2460.	0.	0.	0.	2500
ET	0.	0.0	0.0	0.0	0.0	7.11	300.00	400.00	0.0	0.0	2510
X1	1.50	11.	335.	350.	500.	500.	580.	0.0	0.0	0.	2520
GR	2620.0	150.	2615.0	255.	2610.5	301.	2610.2	335.	2607.2	337.	2530
GR	2606.4	342.	2607.2	348.	2610.2	350.	2610.5	393.	2615.0	429.	2540
GR	2620.0	495.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	2550
ET	0.	0.0	0.0	0.0	0.0	7.11	300.00	400.00	0.0	0.0	2560
X1	1.69	17.	330.	350.	1060.	1060.	1060.	0.0	0.0	0.	2570
GR	2636.6	42.	2624.6	214.	2621.6	250.	2618.6	299.	2618.9	330.	2580
GR	2615.6	335.	2615.3	337.	2615.3	341.	2618.4	350.	2618.0	450.	2590
GR	2619.4	550.	2620.1	650.	2621.6	750.	2623.3	799.	2624.6	825.	2600
GR	2636.8	923.	2644.7	953.	0.0	0.	0.0	0.	0.0	0.	2610
NC	0.080	0.095	0.050	0.0	0.0						2620
QT	6.	800.	1300.	1600.	2400.	1600.	2400.	0.	0.	0.	2630
ET	0.	0.0	0.0	0.0	0.0	7.11	420.00	550.00	0.0	0.0	2640

G01

G01

X1	1.91	25.	497.	514.	1010.	1010.	1010.	0.0	0.0	0.	2650
GR	2660.0	93.	2642.8	200.	2634.6	260.	2628.8	320.	2627.8	420.	2660
GR	2628.0	455.	2629.7	476.	2629.2	479.	2628.0	480.	2627.0	482.	2670
GR	2626.4	485.	2625.6	492.	2625.4	497.	2624.0	500.	2624.2	500.	2680
GR	2624.2	501.	2624.4	508.	2626.7	514.	2626.9	519.	2628.4	520.	2690
GR	2629.0	600.	2634.6	643.	2637.0	650.	2647.7	689.	2660.0	707.	2700
ET	0.	0.0	0.0	0.0	0.0	7.11	420.00	550.00	0.0	0.0	2710
X1	1.91	0.	0.	0.	40.	40.	40.	0.0	0.0	0.	2720
SB	1.25	1.60	3.00	0.	13.00	0.01	52.00	0.0	2623.7	2623.7	2730
ET	0.	0.0	0.0	0.0	0.0	7.11	420.00	550.00	0.0	0.0	2740
X1	1.91	0.	0.	0.	30.	30.	30.	0.0	0.0	0.	2750
X2	0.	0.0	1.	2627.6	2627.8	0.0	0.	0.0	0.0	0.	2760
BT	19.0	93.0	2660.0	0.0	200.0	2642.8	0.0	260.0	2634.6	0.0	2770
BT	320.0	2628.8	0.0	420.0	2627.8	0.0	455.0	2628.0	0.0	476.0	2780
BT	2629.7	0.0	479.0	2629.2	0.0	480.0	2628.7	0.0	493.0	2629.0	2790
BT	0.0	501.0	2629.0	0.0	501.0	2629.7	0.0	520.0	2629.8	0.0	2800
BT	521.0	2629.1	0.0	611.0	2630.2	0.0	644.0	2634.6	0.0	650.0	2810
BT	2637.0	0.0	688.0	2647.7	0.0	706.0	2660.0	0.0	0.0	0.0	2820
ET	0.	0.0	0.0	0.0	0.0	7.11	420.00	550.00	0.0	0.0	2830
X1	1.91	25.	492.	514.	40.	40.	40.	0.0	0.0	0.	2840
GR	2650.0	23.	2650.0	200.	2640.0	360.	2627.8	375.	2627.8	420.	2850
GR	2628.0	455.	2629.7	476.	2629.2	479.	2628.0	480.	2627.0	482.	2860
GR	2626.4	485.	2625.6	492.	2625.4	497.	2624.0	500.	2624.2	500.	2870
GR	2624.2	501.	2624.4	508.	2626.7	514.	2626.9	519.	2628.4	520.	2880
GR	2629.0	600.	2634.6	643.	2637.0	650.	2647.7	689.	2660.0	707.	2890
NC	0.120	0.060	0.045	0.0	0.0						2900
QT	6.	800.	1300.	1600.	2400.	1600.	2400.	0.	0.	0.	2910
ET	0.	0.0	0.0	0.0	0.0	7.11	75.00	225.00	0.0	0.0	2920
X1	2.10	12.	77.	100.	880.	940.	880.	0.0	0.0	0.	2930
GR	2655.0	11.	2635.7	77.	2632.4	83.	2631.5	87.	2631.6	92.	2940
GR	2632.3	95.	2635.8	100.	2634.4	200.	2634.5	300.	2637.7	400.	2950
GR	2640.7	450.	2652.5	608.	0.0	0.	0.0	0.	0.0	0.	2960
NC	0.120	0.060	0.045	0.0	0.0						2970
QT	6.	800.	1300.	1600.	2400.	1600.	2400.	0.	0.	0.	2980
ET	0.	0.0	0.0	0.0	0.0	7.11	75.00	225.00	0.0	0.0	2990
X1	2.20	0.	0.	0.	540.	500.	540.	0.0	0.50	0.	3000
ET	0.	0.0	0.0	0.0	0.0	7.11	320.00	400.00	0.0	0.0	3010
X1	2.25	16.	324.	350.	200.	200.	200.	0.0	0.0	0.	3020
GR	2655.4	35.	2649.5	150.	2646.8	215.	2646.6	261.	2640.7	324.	3030
GR	2634.7	337.	2634.4	339.	2634.3	341.	2634.6	345.	2640.5	350.	3040
GR	2639.4	400.	2639.3	500.	2640.6	600.	2642.1	650.	2647.1	777.	3050
GR	2659.0	798.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	3060
ET	0.	0.0	0.0	0.0	0.0	7.11	320.00	400.00	0.0	0.0	3070
X1	2.25	0.	0.	0.	40.	40.	40.	0.0	0.0	0.	3080
X3	10.	0.0	0.0	0.	0.0	0.	0.0	2642.5	2642.5		3090

H01

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SB   1.25    1.60    3.00      0.    7.00    0.01   50.00     0.0  2635.2  2635.2   3100
ET     0.     0.0     0.0     0.0     0.0    7.11  320.00  400.00     0.0     0.0   3110

X1   2.25      0.      0.      0.     30.     30.     30.     0.0     0.0      0.   3120
X2     0.     0.0      1.  2642.6  2644.8     0.0      0.     0.0     0.0      0.   3130
X3    10.     0.0     0.0      0.     0.0      0.     0.0  2645.0  2645.0           3140
BT    9.0    35.0  2655.4     0.0   150.0  2649.5     0.0   324.0  2645.0      0.0   3150
BT  350.0  2644.9     0.0   400.0  2644.8     0.0   500.0  2645.4     0.0    600.0  3160
BT 2648.3     0.0   650.0  2650.9     0.0   803.0  2659.0     0.0     0.0      0.0  3170
ET     0.     0.0     0.0     0.0     0.0    7.11  320.00  400.00     0.0     0.0   3180

X1   2.25      0.      0.      0.     10.     10.     10.     0.0     0.0      0.   3190
EJ                                                                                 3200
```

*PROF 1

CCHV= 0.100 CEHV= 0.500

*SECNO .160

RACCOON CREEK 100 YEAR FLOOD 08/01/81

MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL
0.16	2800.	332.	1825.	643.	0.79	0	135.	
2577.80	0.0	158.	210.	333.	0.50	0	2568.80	
10.50	2577.80	2.10	8.70	1.93	0.0	2578.59	2570.80	
0.004391	0.0	0.130	0.050	0.140	0.0	-0.00	69.23	
	2567.30	0.	0.	0.	46.	88.	203.84	0.

*SECNO .160

*** GR CARDS REPEATED

0.16	2800.	341.	1796.	663.	0.72	2	136.	
2578.04	0.0	167.	215.	352.	-0.07	0	2568.80	
10.74	0.0	2.04	8.36	1.88	0.17	2578.76	2570.80	
0.003928	0.049	0.130	0.050	0.140	0.01	-0.00	68.91	
	2567.30	40.	40.	40.	47.	89.	204.60	1.

*SECNO .160

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3370 NORMAL BRIDGE,NRD= 6 MIN ELTRD= 2587.70 MAX ELLC= 2585.50

0.16	2800.	0.	2800.	0.	0.16	2	126.	
2578.66	0.0	0.	873.	0.	-0.56	0	2582.80	
10.26	0.0	0.0	3.21	0.0	0.00	2578.82	2583.20	
0.003351	0.048	0.130	0.050	0.140	0.06	-0.00	80.09	
	2568.40	1.	1.	1.	73.	68.	221.56	1.

*SECNO .160

*** GR CARDS REPEATED

3265 DIVIDED FLOW

3370 NORMAL BRIDGE,NRD= 6 MIN ELTRD= 2587.70 MAX ELLC= 2585.50

0.16	2800.	0.	2800.	0.	0.15	0	127.	
2578.76	0.0	0.	887.	0.	-0.00	0	2582.80	
10.36	0.0	0.0	3.16	0.0	0.10	2578.92	2583.20	
0.003228	0.048	0.130	0.050	0.140	0.00	-0.00	79.93	
	2568.40	30.	30.	30.	74.	68.	221.74	1.

*SECNO .160
RACCOON CREEK 100 YEAR FLOOD 08/01/81

MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL
0.16	2800.	357.	1742.	701.	0.60	2	138.	
2578.55	0.0	185.	225.	392.	0.44	0	2568.80	
11.25	0.0	1.93	7.73	1.79	0.00	2579.14	2570.80	
0.003147	0.047	0.130	0.050	0.140	0.22	-0.00	68.24	
	2567.30	1.	1.	1.	47.	91.	206.17	1.

*SECNO .160

*** GR CARDS REPEATED

0.16	2800.	358.	1739.	703.	0.59	0	138.	
2578.58	0.0	184.	226.	395.	-0.01	0	2568.80	
11.28	0.0	1.92	7.69	1.78	0.03	2579.17	2570.80	
0.003105	0.047	0.130	0.050	0.140	0.00	-0.00	68.20	
	2567.30	10.	10.	10.	47.	91.	206.27	1.

*SECNO .210

0.21	2800.	227.	2317.	256.	1.07	2	138.	
2579.04	0.0	106.	255.	153.	0.48	0	2574.40	
10.34	0.0	2.15	9.09	1.67	0.70	2580.11	2576.10	
0.006590	0.049	0.130	0.050	0.130	0.24	-0.00	55.20	
	2568.70	160.	160.	160.	54.	84.	193.39	4.

*SECNO .210

*** GR CARDS REPEATED

0.21	2800.	251.	2239.	310.	0.86	2	146.	
2579.56	0.0	127.	271.	190.	-0.22	0	2574.40	
10.86	0.0	1.97	8.25	1.63	0.29	2580.42	2576.10	
0.005000	0.049	0.130	0.050	0.130	0.02	-0.00	50.63	
	2568.70	50.	50.	50.	59.	87.	196.95	5.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	12.00	0.01	68.00	0.0
ELCHU	ELCHD							
2568.00	2568.00							

*SECNO .210

*** GR CARDS REPEATED
687U D.S. ENERGY OF 2580.42 HIGHER THAN COMPUTED ENERGY OF 2580.35
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2621.69	2580.42	0.00	2413.	382.	68.	67.	2573.60

```
   ELTRD
  2574.50

     0.21     2800.       250.      2240.       310.       0.86          3      146.
  2579.56      0.0        127.       271.       189.       0.00          0   2574.40
    10.86      0.0        1.97       8.26       1.63       0.0     2580.42   2576.10
 0.005018     0.049      0.130      0.050      0.130       0.0       -0.00     50.69
            2568.70        30.        30.        30.        59.        87.    196.90          5.

*SECNO .210

*** GR CARDS REPEATED
    RACCOON CREEK                100 YEAR FLOOD        08/01/81
   MILE       Q          QLOB       QCH        QROB       HV         ITRIAL     TOPWID
   ELEV       CRIWS      ALCB       ACH        AROB       DHV        IDC        BANK ELEV
   DEPTH      WSELK      VLOB       VCH        VROB       HL         EG      LEFT/RIGHT
   SLOPE      WTN        XNL        XNCH       XNR        OLOSS      CORAR      SSTA
              ELMIN      XLOBL      XLCH       XLOBR      WSDL       WSDR       ENDST      VOL

     0.21     2800.       254.      2229.       317.       0.83          2      147.
  2579.64      0.0        130.       273.       195.      -0.03          0   2574.40
    10.94      0.0        1.94       8.15       1.63       0.05    2580.47   2576.10
 0.004826     0.049      0.130      0.050      0.130       0.00      -0.00     50.03
            2568.70        10.        10.        10.        59.        88.    197.42          5.

*SECNO .260

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

    RACCOON CREEK                100 YEAR FLOOD        08/01/81
   MILE       Q          QLOB       QCH        QROB       HV         ITRIAL     TOPWID
   ELEV       CRIWS      ALOB       ACH        AROB       DHV        IDC        BANK ELEV
   DEPTH      WSELK      VLOB       VCH        VROB       HL         EG      LEFT/RIGHT
   SLOPE      WTN        XNL        XNCH       XNR        OLOSS      CORAR      SSTA
              ELMIN      XLOBL      XLCH       XLOBR      WSDL       WSDR       ENDST      VOL

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
     0.26     2800.       317.      2270.       213.       2.49         20      115.
  2581.75   2581.75       102.       162.        90.       1.66          8   2574.00
    11.35      0.0        3.11      14.00       2.38       0.69    2584.24   2573.20
 0.014089     0.050      0.140      0.055      0.130       0.83      -0.00    557.81
            2570.40        90.        90.        90.        45.       151.    754.29          6.

*SECNO .260

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

     0.26     2800.       483.      1744.       573.       0.76          5      298.
```

2584.01	0.0	299.	198.	378.	-1.73	0	2574.00	
13.61	0.0	1.62	8.80	1.52	0.35	2584.77	2573.20	
0.004249	0.050	0.140	0.055	0.130	0.17	-0.00	458.19	
	2570.40	50.	50.	50.	145.	153.	755.98	7.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	32.00	0.01	272.00	0.0

ELCHU	ELCHD
2570.50	2570.50

*SECNO .260
PRESS FLOW BECAUSE EGLWC OF 2584.77 EXCEEDS 1.5 DEPTH
6870 D.S. ENERGY OF 2584.77 HIGHER THAN COMPUTED ENERGY OF 2584.40

3301 HV CHANGED MORE THAN HVINS

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2586.64	2584.77	0.00	1724.	1079.	272.	272.	2579.00

ELTRD
2578.80

0.26	2800.	1518.	495.	786.	0.01	2	419.	
2584.75	0.0	1914.	338.	1016.	-0.00	0	2574.00	
14.36	0.0	0.79	1.47	0.77	0.0	2584.77	2574.20	
0.000107	0.050	0.080	0.055	0.080	0.0	-0.00	337.65	
	2570.40	30.	30.	30.	272.	147.	756.54	8.

*SECNO .260

*** GR CARDS REPEATED

0.26	2800.	1518.	495.	786.	0.01	2	419.	
2584.76	0.0	1915.	338.	1017.	-0.00	0	2574.00	
14.36	0.0	0.79	1.47	0.77	0.01	2584.77	2574.20	
0.000107	0.051	0.080	0.055	0.080	0.00	-0.00	337.59	
	2570.40	50.	50.	50.	272.	147.	756.54	12.

*SECNO .400

RACCOON CREEK			100 YEAR FLOOD		08/01/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL
0.40	2800.	820.	1165.	815.	0.17	0	322.	
2504.83	0.0	624.	239.	520.	0.16	0	2580.00	
11.63	0.0	1.31	4.88	1.57	0.15	2585.00	2579.00	
0.001338	0.048	0.100	0.045	0.100	0.08	-0.00	405.92	
	2573.20	580.	580.	580.	197.	126.	728.06	43.

*SECNO .460

3301 HV CHANGED MORE THAN HVINS

0.46	2800.	20.	2733.	47.	1.16	1	59.	
2585.08	0.0	13.	312.	26.	0.99	0	2580.00	
9.08	0.0	1.55	8.75	1.82	0.74	2586.24	2580.00	
0.004968	0.047	0.100	0.045	0.100	0.49	-0.00	41.62	
	2576.00	320.	320.	320.	27.	31.	100.28	49.

*SECNO .500

0.50	2800.	109.	2627.	64.	1.57	2	54.	
2586.73	0.0	45.	254.	30.	0.41	0	2580.00	
9.53	0.0	2.40	10.36	2.13	1.85	2588.30	2581.00	
0.006003	0.047	0.100	0.045	0.100	0.20	-0.00	36.54	
	2577.20	340.	340.	340.	28.	25.	90.47	52.

*SECNO .520

3301 HV CHANGED MORE THAN HVINS

0.52	2800.	252.	2333.	215.	2.24	2	52.	
2586.97	0.0	68.	179.	59.	0.67	0	2579.10	
9.08	0.0	3.72	13.07	3.67	0.58	2589.22	2579.00	
0.009092	0.047	0.100	0.045	0.100	0.34	-0.00	37.45	
	2577.90	80.	80.	80.	27.	25.	89.64	53.

*SECNO .520

3301 HV CHANGED MORE THAN HVINS

0.52	2800.	392.	1700.	508.	1.17	11	72.	
2588.47	0.0	119.	184.	152.	-1.07	0	2578.70	
9.87	0.0	3.30	10.30	3.35	0.32	2589.65	2580.20	
0.007172	0.047	0.120	0.055	0.120	0.11	-0.00	79.50	
	2578.60	40.	40.	40.	33.	39.	151.20	53.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	16.00	0.01	166.00	0.0
	ELCHU	ELCHD						
	2577.90	2577.90						

*SECNO .520

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

RACCOON CREEK 100 YEAR FLOOD 08/01/81

MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT

SLOPE	WIN ELMIN	XNL XLOBL	XNCH XLCH	XNR XLOBR	OLOSS WSDL	CORAR WSDR	SSTA ENDST	VOL
PRESSURE AND WEIR FLOW								
EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC	
2595.54	2592.06	0.00	650.	2151.	166.	166.	2588.30	
ELTRD								
2591.60								
0.52	2800.	531.	1611.	658.	0.38	2	181.	
2592.27	0.0	275.	256.	323.	-0.79	0	2578.70	
13.67	0.0	1.93	6.28	2.04	3.00	2592.65	2580.20	
0.001421	0.047	0.100	0.050	0.100	0.0	-0.00	21.64	
	2578.60	30.	30.	30.	91.	90.	202.18	53.
*SECNO .520								
0.52	2800.	351.	1955.	494.	0.35	2	148.	
2592.35	0.0	223.	350.	259.	-0.02	0	2580.60	
13.93	0.0	1.57	5.59	1.91	0.05	2592.70	2580.20	
0.001159	0.047	0.100	0.050	0.100	0.00	-0.00	20.59	
	2578.40	40.	40.	40.	85.	82.	174.12	54.
*SECNO .650								
0.65	2800.	236.	1687.	877.	0.23	2	352.	
2593.41	0.0	264.	357.	489.	-0.13	0	2590.40	
11.91	0.0	0.89	4.73	1.79	0.92	2593.64	2584.50	
0.001422	0.048	0.100	0.050	0.100	0.01	-0.00	349.13	
	2581.50	720.	720.	720.	170.	182.	701.27	70.
*SECNO .650								
0.65	2000.	220.	2072.	509.	0.21	1	359.	
2593.48	0.0	273.	496.	362.	-0.02	0	2590.40	
11.98	0.0	0.80	4.18	1.40	0.05	2593.69	2585.40	
0.001112	0.048	0.100	0.050	0.100	0.00	-0.00	343.42	
	2581.50	40.	40.	40.	184.	174.	701.97	71.
SPECIAL BRIDGE								
SA	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	22.00	2.00	339.00	2.60
	ELCHU	ELCHD						
	2582.70	2582.70						
*SECNO .650								
*** GR CARDS REPEATED								
PRESSURE AND WEIR FLOW								
EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC	
2595.17	2593.70	0.02	945.	1880.	339.	339.	2590.90	
ELTRD								

2592.40

0.65	2800.	152.	2129.	519.	0.27	2	263.	
2593.98	0.0	176.	458.	265.	0.06	0	2591.60	
11.28	0.0	0.87	4.65	1.96	0.56	2594.24	2586.60	
0.001242	0.048	0.080	0.045	0.080	0.0	-0.00	370.74	
	2582.70	30.	30.	30.	157.	106.	633.33	72.

*SECNO .650

RACCOON CREEK			100 YEAR FLOOD		08/01/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL
0.65	2800.	169.	1707.	925.	0.28	0	263.	
2593.96	0.0	177.	333.	391.	0.01	0	2591.60	
11.28	0.0	0.95	5.13	2.37	0.01	2594.26	2585.70	
0.001489	0.048	0.080	0.045	0.080	0.01	0.0	370.39	
	2582.70	10.	10.	10.	149.	114.	633.65	72.

*SECNO .820

3301 HV CHANGED MORE THAN HVINS

RACCOON CREEK			100 YEAR FLOOD		08/01/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

0.82	2800.	203.	1425.	1171.	0.87	5	382.	
2596.08	2596.08	78.	139.	505.	0.60	9	2590.00	
9.68	0.0	2.62	10.25	2.32	2.24	2596.95	2591.00	
0.005910	0.046	0.074	0.040	0.074	0.30	-0.00	153.26	
	2586.40	950.	850.	850.	55.	327.	535.01	88.

*SECNO .820

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

0.82	1900.	156.	739.	1005.	0.15	3	400.	
2596.97	0.0	124.	155.	791.	-0.72	0	2590.00	
10.57	0.0	1.25	4.77	1.27	0.10	2597.12	2591.00	
0.001104	0.046	0.074	0.040	0.074	0.07	-0.00	139.83	
	2586.40	40.	40.	40.	68.	332.	539.99	89.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RC CN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	[illegible]	15.00	0.01	95.00	0.0

ELCHU	ELCHD
2586.70	2586.70

*SECNO .820

*** GR CARDS REPEATED
6870 D.S. ENERGY OF 2597.12 HIGHER THAN COMPUTED ENERGY OF 2597.10
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	CPR	BAREA	TAREA	ELLC
2606.91	2597.12	0.00	1686.	217.	95.	94.	2593.00

ELTRD
2594.00

0.82	1900.	156.	739.	1005.	0.15	2	400.
2596.97	0.0	125.	155.	792.	-0.00	0	2590.00
10.57	0.0	1.25	4.76	1.27	0.0	2597.12	2591.00
0.001101	0.046	0.074	0.040	0.074	0.0	-0.00	139.78
	2586.40	30.	30.	30.	68.	332.	540.01	89.

*SECNO .820

*** GR CARDS REPEATED

0.82	1900.	156.	737.	1007.	0.15	0	400.
2596.98	0.0	125.	155.	795.	-0.00	0	2590.00
10.58	0.0	1.25	4.74	1.27	0.01	2597.13	2591.00
0.001090	0.046	0.074	0.040	0.074	0.00	-0.00	130.62
	2586.40	10.	10.	10.	68.	332.	540.07	90.

*SECNO .950

3301 HV CHANGED MORE THAN HVINS

RACCOON CREEK			100 YEAR FLOOD		08/01/51			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL
0.95	1860.	56.	1748.	56.	1.04	2	75.	
2597.92	0.0	27.	208.	31.	0.89	0	2595.40	
8.72	0.0	2.08	8.42	1.81	1.39	2598.96	2596.40	
0.006382	0.046	0.080	0.045	0.080	0.44	-0.00	84.69	
	2589.20	640.	640.	640.	34.	41.	159.43	100.

*SECNO 1.140

3301 HV CHANGED MORE THAN HVINS

1.14	1810.	839.	597.	374.	0.20	3	205.
2603.34	0.0	462.	107.	184.	-0.84	0	2600.30

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     7.64      0.0       1.82      5.59      2.04      4.99   2604.04    2598.C0
 0.002056      0.044     0.085     0.040     0.085     0.08     -0.00     267.32
             2596.20     1480.     1480.     1480.     147.       58.     472.37       117.

*SECNO 1.400

3301 HV CHANGED MORE THAN HVINS

    RACCOON CREEK                  100 YEAR FLOOD      08/01/81
   MILE      Q         QLOB      QCH       QROB      HV        ITRIAL    TOPWID
   ELEV      CRIWS     ALOB      ACH       AROB      DHV       IDC       BANK ELEV
   DEPTH     WSELK     VLOB      VCH       VROB      HL        EG     LEFT/RIGHT
   SLOPE     WTN       XNL       XNCH      XNR       OLOSS     CORAR     SSTA
             ELMIN     XLOBL     XLCH      XLOBR     WSDL      WSDR      ENDST       VOL

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
     1.40     1740.      110.     1082.      548.      0.86        20      267.
  2610.24   2610.24       42.      116.      305.      0.66        10   2606.10
     7.24      0.0       2.62      9.31      1.80      2.09   2611.10    2607.00
 0.006699      0.044     0.080     0.040     0.095     0.33     -0.00     158.34
             2603.00      620.      620.      620.       62.      205.    425.26       126.

*SECNO 1.400

*** GR CARDS REPEATED
     1.40     1740.      138.      924.      678.      0.44         3      280.
  2610.89      0.0        76.      129.      433.     -0.42         0   2606.10
     7.89      0.0       1.80      7.17      1.57      0.19   2611.33    2607.00
 0.003455      0.044     0.080     0.040     0.095     0.04     -0.00     153.99
             2603.00       40.       40.       40.       66.      214.    434.00       126.

SPECIAL BRIDGE

SB     HK        XKOR      COFQ      RDLEN     BWC       BWP       BAREA      SS
     1.25      1.60      3.00      0.0      15.00      0.01     126.00      0.79
   ELCHU     ELCHD
  2603.30   2603.30

*SECNO 1.400

*** GR CARDS REPEATED
PRESSURE AND WEIR FLOW

    EGPRS     EGLWC        H3     QWEIR       QPR     BAREA     TAREA      ELLC
  2611.72   2611.49      0.00     1015.      730.      126.      126.   2609.60

    ELTRD
  2609.50

     1.40     1740.      165.      815.      761.      0.26         2      292.
  2611.46      0.0       110.      141.      554.     -0.18         0   2606.10
     8.46      0.0       1.49      5.79      1.37      0.39   2611.72    2607.00
 0.002010      0.044     0.080     0.040     0.095     0.0      -0.00     150.00
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             2603.00      30.       30.       30.       70.      222.     442.00      127.

*SECNO 1.400

*** GR CARDS REPEATED
    RACCOON CREEK                  100 YEAR FLOOD     08/01/81
    MILE       Q         QLOB      QCH       QROB      HV         ITRIAL    TOPWID
    ELEV       CRIWS     ALOB      ACH       AROB      DHV        IDC       BANK ELEV
    DEPTH      WSELK     VLOB      VCH       VROB      HL         EG      LEFT/RIGHT
    SLOPE      WTN       XNL       XNCH      XNR       OLOSS      CORAR     SSTA
               ELMIN     XLOBL     XLCH      XLOBR     WSDL       WSDR      ENDST       VOL

      1.40     1740.      166.      811.      763.      0.26         0       292.
   2611.49      0.0       112.      141.      559.     -0.01         0     2606.10
      8.49      0.0       1.49      5.75      1.37      0.02    2611.74    2607.00
  0.001970     0.044     0.080     0.040     0.095      0.00      -0.00     149.85
             2603.00       10.       10.       10.       70.      222.     442.32      127.

*SECNO 1.500
      1.50     1660.      431.      721.      508.      0.58         3       138.
   2613.05      0.0       125.       86.      142.      0.32         0     2610.20
      6.65      0.0       3.45      8.36      3.57      1.73    2613.63    2610.20
  0.006432     0.044     0.060     0.040     0.060      0.16      -0.00     274.92
             2606.40      500.      580.      500.       68.       71.     413.41      134.

*SECNO 1.690
      1.69     1660.      142.      491.     1026.      0.28        13       381.
   2620.16   2619.84       64.       73.      364.     -0.30        18     2618.90
      4.86      0.0       2.23      6.70      2.67      6.78    2620.44    2618.40
  0.006359     0.043     0.060     0.040     0.060      0.03      -0.00     273.47
             2615.30     1060.     1060.     1060.       67.      314.     654.21      144.

*SECNO 1.910

3265 DIVIDED FLOW

    RACCOON CREEK                  100 YEAR FLOOD     08/01/01
    MILE       Q         QLOB      QCH       QROB      HV         ITRIAL    TOPWID
    ELEV       CRIWS     ALOB      ACH       AROB      DHV        IDC       BANK ELEV
    DEPTH      WSELK     VLOB      VCH       VROB      HL         EG      LEFT/RIGHT
    SLOPE      WTN       XNL       XNCH      XNR       OLOSS      CORAR     SSTA
               ELMIN     XLOBL     XLCH      XLOBR     WSDL       WSDR      ENDST       VOL

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
      1.91     1600.      604.      857.      139.      0.66         7       287.
   2629.48   2629.48      227.       99.       79.      0.38         8     2625.60
      5.48      0.0       2.66      8.62      1.76      8.53    2630.14    2626.70
  0.011911     0.044     0.080     0.050     0.095      0.19      -0.00     312.95
             2624.00     1010.     1010.     1010.      190.      101.     603.69      155.

*SECNO 1.910

*** GR CARDS REPEATED
      1.91     1600.      727.      661.      212.      0.24         2       304.
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2630.21	0.0	362.	116.	147.	-0.42	0	2625.60	
6.21	0.0	2.01	5.72	1.44	0.27	2630.45	2626.70	
0.004276	0.044	0.080	0.050	0.095	0.04	-0.00	305.29	
	2624.00	40.	40.	40.	198.	106.	609.38	155.

SPECIAL BRIDGE

SB	WK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	13.00	0.01	52.00	0.0

ELCHU	ELCHD
2623.70	2623.70

*SECNO 1.910

*** ER CARDS REPEATED

RACCOON CREEK 100 YEAR FLOOD 08/01/81

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

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2653.73	2630.45	0.00	1437.	174.	52.	51.	2627.60

ELTRD
2627.80

1.91	1600.	732.	652.	216.	0.23	2	305.	
2630.26	0.0	371.	117.	151.	-0.01	0	2625.60	
6.26	0.0	1.97	5.59	1.42	0.04	2630.49	2626.70	
0.004047	0.044	0.080	0.050	0.095	0.0	-0.00	304.83	
	2624.00	30.	30.	30.	198.	107.	609.72	156.

*SECNO 1.910

1.91	1600.	665.	686.	249.	0.26	1	239.	
2630.41	0.0	296.	120.	166.	0.03	0	2625.60	
6.41	0.0	2.25	5.71	1.50	0.16	2630.67	2626.70	
0.004066	0.044	0.080	0.050	0.095	0.01	-0.00	371.78	
	2624.00	40.	40.	40.	131.	108.	610.90	156.

*SECNO 2.100

2.10	1600.	0.	561.	1039.	0.41	12	276.	
2636.15	2636.02	0.	76.	318.	0.15	14	2635.70	
4.65	0.0	0.48	7.43	3.27	5.82	2636.56	2635.80	
0.011678	0.044	0.120	0.045	0.060	0.08	-0.00	75.46	
	2631.50	880.	880.	940.	13.	263.	351.55	167.

*SECNO 2.200

*** GR CARDS REPEATED

2.20	1600.	3.	357.	1240.	0.07	4	326.

2638.10	0.0	6.	109.	716.	-0.34	0	2636.20	
6.10	0.0	0.44	3.28	1.73	1.58	2638.17	2636.30	
0.001397	0.044	0.120	0.045	0.060	0.03	-0.00	70.50	
	2632.00	540.	540.	500.	18.	308.	396.89	174.

*SECNO 2.250

3301 HV CHANGED MORE THAN HVINS

RACCOON CREEK			100 YEAR FLOOD		08/01/81:			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

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

2.25	1600.	0.	851.	749.	0.58	20	283.	
2640.78	2640.78	0.	107.	268.	0.51	9	2640.70	
6.48	0.0	0.01	7.96	2.79	0.60	2641.36	2640.50	
0.010732	0.044	0.120	0.045	0.060	0.25	0.0	323.14	
	2634.30	200.	200.	200.	14.	269.	606.01	177.

*SECNO 2.250

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

RACCOON CREEK			100 YEAR FLOOD		08/01/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

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

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 2642.50 ELREA= 2642.50

2.25	1600.	0.	1600.	0.	2.47	20	26.	
2641.55	2641.55	0.	127.	0.	1.89	8	2640.70	
7.25	0.0	0.0	12.61	0.0	0.59	2644.02	2640.50	
0.021381	0.044	0.120	0.045	0.060	0.94	0.0	324.00	
	2634.30	40.	40.	40.	13.	13.	350.00	177.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	7.00	0.01	50.00	0.0
ELCHU	ELCHD							
2635.20	2635.20							

*SECNO 2.250

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC	
2666.99	2644.02	0.04	918.	693.	50.	52.	2642.60	
ELTRD								
2644.80								
2.25	1600.	32.	260.	1309.	0.01	0	493.	
2646.32	0.0	169.	251.	2131.	-2.46	0	2640.70	
12.02	0.0	0.19	1.03	0.61	2.31	2646.33	2640.50	
0.000058	0.044	0.120	0.045	0.030	0.0	-0.00	263.91	
	2634.30	30.	30.	30.	73.	420.	757.38	178.

*SECNO 2.250

*** GR CARDS REPEATED

2.25	1600.	32.	260.	1308.	0.01	2	493.	
2646.32	0.0	169.	251.	2128.	0.00	0	2640.70	
12.02	0.0	0.19	1.04	0.61	0.00	2646.33	2640.50	
0.000058	0.044	0.120	0.045	0.060	0.00	-0.00	263.98	
	2634.30	10.	10.	10.	73.	420.	757.20	178.

THIS RUN EXECUTED 08/01/81 8:22:06

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED JULY1979
  ERROR CORR -  01,02,03
  MODIFICATION -  50,51,52,53,54
**************************************************

T1      WAYNESVILLE NC                                                  3210
T2      100 YEAR FLOODWAY                                               3220
T3      RACCOON CREEK                                                   3230

J1  ICHECK     INQ     NINV     IDIR     STRT   METRIC    HVINS      Q      WSEL     FQ

          0.      6.       0.       0. 0.0           0.     0.0        0. 2578.80    0.0    3240

J2  NPROF   IPLOT    PRFVS    XSECV    XSECH        FN    ALLDC      IBW   CHNIM ITRACE

         15.      0.      -1.      0.       0.     0.0      0.0       0.      0.      0.    3250
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*PROF 2

CCHV=   0.100 CEHV=    0.500
*SECNO .160
     RACCOON CREEK                        100 YEAR FLOODWA      08/01/81
     MILE         Q           QLOB        QCH         QROB        HV          ITRIAL      TOPWID
     ELEV         CRIWS       ALOB        ACH         AROB        DHV         IDC         BANK ELEV
     DEPTH        WSELK       VLOB        VCH         VROB        HL          EG       LEFT/RIGHT
     SLOPE        WTN         XNL         XNCH        XNR         OLOSS       CORAR       SSTA
                  ELMIN       XLOBL       XLCH        XLOBR       WSDL        WSDR        ENDST       VOL

3470 ENCROACHMENT STATIONS=         90.0        175.0  TYPE=        1   TARGET=       85.000
       0.16        2800.        229.       1981.        590.        0.83           0         35.
     2578.80        0.0         103.        231.        291.        0.50           0     2568.80
       11.50     2577.80        2.24        8.58        2.03        0.0      2579.63     2570.80
    0.003765        0.0        0.130       0.050       0.140        0.0        -0.00       90.00
                 2567.30          0.          0.          0.         26.         59.      175.00        0.

*SECNO .160

*** GR CARDS REPEATED

3470 ENCROACHMENT STATIONS=         90.0        175.0  TYPE=        1   TARGET=       85.000
       0.16        2800.        231.       1969.        600.        0.79           2         85.
     2578.99        0.0         105.        235.        300.       -0.04           0     2568.80
       11.69     2578.04        2.19        8.39        2.00        0.15     2579.78     2570.80
    0.003515       0.049       0.130       0.050       0.140        0.00       -0.00       90.00
                 2567.30         40.         40.         40.         26.         59.      175.00        1.

*SECNO .160
       3700.    BRIDGE STENCL=      90.00     STENCR=      175.00

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3370 NORMAL BRIDGE,NRD=   6 MIN ELTRD= 2587.70 MAX ELLC= 2585.50

3470 ENCROACHMENT STATIONS=         90.0        175.0  TYPE=        1   TARGET=       85.000
       0.16        2800.          0.       2800.          0.        0.24           9         76.
     2579.59        0.0           0.        707.          0.       -0.54           0  100000.00
       11.19     2578.66        0.0         3.96        0.0         0.00     2579.84   100000.00
    0.004633       0.048       0.130       0.050       0.140        0.05       -0.00       90.00
                 2568.40          1.          1.          1.         64.         21.      175.00        1.

*SECNO .160

*** GR CARDS REPEATED

3265 DIVIDED FLOW
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 3370 NORMAL BRIDGE,NRD=  6 MIN ELTRD= 2587.70 MAX ELLC= 2585.50


 3470 ENCROACHMENT STATIONS=       90.0      175.0  TYPE=      1  TARGET=       85.000
        0.16      2800.         0.     2800.        0.      0.24         2        76.
     2579.74       0.0          0.      718.        0.     -0.01         0 100000.00
       11.34    2578.76        0.0      3.90       0.0      0.14   2579.97  100000.00
    0.004474      0.048      0.130     0.050     0.140      0.00     -0.00      90.00
                2568.40        30.       30.       30.       64.       21.     175.00          1.


 *SECNO .160
     RACCOON CREEK                 100 YEAR FLOODWA      08/01/81
    MILE        Q          QLOB       QCH        QROB      HV        ITRIAL     TOPWID
    ELEV        CRIWS      ALOB       ACH        AROB      DHV       IDC        BANK ELEV
    DEPTH       WSELK      VLOB       VCH        VROB      HL        EG      LEFT/RIGHT
    SLOPE       WTN        XNL        XNCH       XNR       OLOSS     CORAR      SSTA
                ELMIN      XLOBL      XLCH       XLOBR     WSDL      WSDR       ENDST        VOL


 3470 ENCROACHMENT STATIONS=       90.0      175.0  TYPE=      1  TARGET=       85.000
        0.16      2800.       235.     1941.      624.      0.69         2        85.
     2579.51       0.0        113.      246.      326.      0.45         0   2568.80
       12.21    2578.55       2.08      7.90      1.92      0.00   2580.20    2570.80
    0.002930      0.047      0.130     0.050     0.140      0.23     -0.00      90.00
                2567.30         1.        1.        1.       26.       59.     175.00          1.


 *SECNO .160

 *** GR CARDS REPEATED

 3470 ENCROACHMENT STATIONS=       90.0      175.0  TYPE=      1  TARGET=       85.000
        0.16      2800.       236.     1939.      625.      0.68         0        85.
     2579.55       0.0        114.      246.      327.     -0.01         0   2568.80
       12.25    2578.58       2.07      7.87      1.91      0.03   2580.23    2570.80
    0.002894      0.047      0.130     0.050     0.140      0.00     -0.00      90.00
                2567.30        10.       10.       10.       26.       59.     175.00          1.


 *SECNO .210

 3470 ENCROACHMENT STATIONS=       80.0      150.0  TYPE=      1  TARGET=       70.000
        0.21      2800.       157.     2473.      170.      1.05         2        70.
     2579.98       0.0         76.      284.       93.      0.36         0   2574.40
       11.28    2579.04       2.07      8.71      1.82      0.61   2581.03    2576.10
    0.005241      0.049      0.130     0.050     0.130      0.18     -0.00      80.00
                2568.70       160.      160.      160.       30.       40.     150.00          3.


 *SECNO .210

 *** GR CARDS REPEATED

 3470 ENCROACHMENT STATIONS=       80.0      150.0  TYPE=      1  TARGET=       70.000
        0.21      2800.       161.     2457.      182.      0.95         2        70.
     2580.33       0.0         81.      295.      102.     -0.09         0   2574.40
       11.63    2579.56       1.99      8.34      1.79      0.24   2581.28    2576.10
    0.004568      0.049      0.130     0.050     0.130      0.01     -0.00      80.00
                2568.70        50.       50.       50.       30.       40.     150.00          4.
```

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	12.00	0.01	68.00	0.0

ELCHU	ELCHD
2568.00	2568.00

*SECNO .210
3700. BRIDGE STENCL= 80.00 STENCR= 150.00

*** GR CARDS REPEATED
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2622.45	2581.28	0.00	2367.	433.	68.	67.	2573.60

ELTRD
2574.50

3470 ENCROACHMENT STATIONS= 80.0 150.0 TYPE= 1 TARGET= 70.000

0.21	2800.	162.	2453.	185.	0.94	3	70.	
2580.40	0.0	82.	297.	104.	-0.02	0	2574.40	
11.70	2579.56	1.97	8.26	1.78	0.05	2581.33	2576.10	
0.004444	0.049	0.130	0.050	0.130	0.0	-0.00	80.00	
	2568.70	30.	30.	30.	30.	40.	150.00	4.

*SECNO .210

*** GR CARDS REPEATED
RACCOON CREEK 100 YEAR FLOODWA 08/01/81

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

3470 ENCROACHMENT STATIONS= 80.0 150.0 TYPE= 1 TARGET= 70.000

0.21	2800.	162.	2451.	187.	0.92	1	70.	
2580.45	0.0	83.	298.	105.	-0.01	0	2574.40	
11.75	2579.64	1.96	8.21	1.78	0.04	2581.38	2576.10	
0.004361	0.049	0.130	0.050	0.130	0.00	-0.00	80.00	
	2568.70	10.	10.	10.	30.	40.	150.00	4.

*SECNO .260

3301 HV CHANGED MORE THAN HVINS

RACCOON CREEK 100 YEAR FLOODWA 08/01/81

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

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

3470 ENCROACHMENT STATIONS=     560.0     675.0  TYPE=     1  TARGET=     115.000
     0.26     2800.      290.     2389.      121.     3.24       20        56.
  2581.22  2581.22       84.      154.       33.     2.31       15   2574.00
    10.82  2581.75     3.44     15.56     3.63     0.71  2584.45   2573.20
 0.018699    0.050    0.140    0.055    0.130     1.16    -0.00    563.82
          2570.40       90.      90.       90.      39.       17.    619.88        5.

*SECNO .260

*** GR CARDS REPEATED

3301 KV CHANGED MORE THAN KVINS

3470 ENCROACHMENT STATIONS=     560.0     675.0  TYPE=     1  TARGET=     115.000
     0.26     2800.      450.     2107.      243.     1.40        4        115.
  2583.76      0.0       172.      194.      134.    -1.84        0   2574.00
    13.36  2584.01     2.61     10.85     1.81     0.52  2585.16   2573.20
 0.006642    0.050    0.140    0.055    0.130     0.18    -0.00    560.00
          2570.40       50.      50.       50.      43.       72.    675.00        6.


SPECIAL BRIDGE

SB     HK       XKOR      COFQ     RDLEN      BWC      BWP     BAREA      SS
     1.25       1.60      3.00       0.0    32.00     0.01    272.00     0.0
   ELCHU     ELCHD
 2570.50   2570.50

*SECNO .260
     3700.   BRIDGE STENCL=    560.00    STENCR=    675.00
 PRESS FLOW BECAUSE EGLWC OF   2585.16  EXCEEDS 1.5 DEPTH
6870 D.S. ENERGY OF 2585.16 HIGHER THAN COMPUTED ENERGY OF 2584.72

3301 HV CHANGED MORE THAN HVINS

PRESSURE AND WEIR FLOW

    EGPRS     EGLWC        H3     QWEIR       QPR     BAREA     TAREA      ELLC
  2586.39   2585.16      0.00      1083.     1693.      272.      272.   2579.00

    ELTRD
  2578.80


3470 ENCROACHMENT STATIONS=     560.0     675.0  TYPE=     1  TARGET=     115.000
     0.26     2800.      709.     1146.      945.     0.10        2        115.
  2585.06      0.0       400.      345.      522.    -1.30        0   2574.00
    14.66  2584.75     1.77     3.32      1.81      0.0  2585.16   2574.20
 0.000532    0.050    0.080    0.055    0.080      0.0    -0.00    560.00
          2570.40       30.      30.       30.       50.       65.    675.00        6.
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*SECNO .260

*** GR CARDS REPEATED

3470 ENCROACHMENT STATIONS=      560.0      675.0  TYPE=       1   TARGET=       115.000
      0.26       2800.       709.      1145.       946.       0.10          2       115.
   2565.09        0.0        401.       345.       524.      -0.00          0    2574.00
     [illegible]69    2584.76       1.77       3.31       1.81       0.03    2585.18    2574.20
  0.0[illegible]      0.051      0.080      0.055      0.080       0.00      -0.00     560.00
               2570.40        50.        50.        50.        50.        65.     675.00          8.

*SECNO .400
   RACCCON CREEK                              100 YEAR FLOODWA       08/01/81
     MILE          Q          QLOB       QCH        QROB       HV         ITRIAL     TOPWID
     ELEV          CRIWS      ALOB       ACH        AROB       DHV        IDC        BANK ELEV
     DEPTH         WSELK      VLOB       VCH        VROB       HL         EG       LEFT/RIGHT
     SLOPE         WTN        XNL        XNCH       XNR        OLOSS      CORAR      SSTA
                   ELMIN      XLOBL      XLCH       XLOBR      WSDL       WSDR       ENDST        VOL

3470 ENCROACHMENT STATIONS=      560.0      675.0  TYPE=       1   TARGET=       115.000
      0.40       2800.       314.      1676.       8[illegible]0.       0.43          2       115.
   2585.47        0.0        162.       235.       367.       0.33          0    2580.00
     12.27    2584.83       1.93       6.58       2.21       0.35    2585.90    2579.00
  0.002222      0.048      0.100      0.045      0.100       0.17      -0.00     560.00
               2573.20       580.       580.       580.        43.        72.     675.00         21.

*SECNO .460

3470 ENCROACHMENT STATIONS=       30.0      105.0  TYPE=       1   TARGET=        75.000
      0.46       2800.        35.      2699.        67.       0.86          2        74.
   2586.10        0.0         28.       356.        38.       0.43          0    2580.00
     10.10    2585.08       1.24       7.59       1.74       0.84    2586.96    2580.00
  0.003148      0.047      0.100      0.045      0.100       0.22      -0.00      30.00
               2576.00       320.       320.       320.        39.        35.     104.39         26.

*SECNO .500

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=       40.0       90.0  TYPE=       1   TARGET=        50.000
      0.50       2800.       113.      2614.        72.       1.40          2        50.
   2587.16        0.0         47.       267.        34.       0.54          0    2580.00
      9.96    2586.73       2.43       9.81       2.11       1.33    2588.56    2581.00
  0.005029      0.047      0.100      0.045      0.100       0.27      -0.00      40.00
               2577.20       340.       340.       340.        25.        25.      90.00         29.

*SECNO .520

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=       40.0       90.0  TYPE=       1   TARGET=        50.000
      0.52       2800.       260.      2315.       225.       2.01          2        50.
```

2587.32	0.0	71.	186.	64.	0.61	0	2579.10
9.45	2586.97	3.65	12.42	3.50	0.49	2589.36	2579.00
0.007755	0.047	0.100	0.045	0.100	0.31	-0.00	40.00
	2577.90	80.	80.	80.	25.	25.	90.00 29.

*SECNO .520

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS= 90.0 140.0 TYPE= 1 TARGET= 50.000

0.52	2800.	328.	2002.	470.	1.41	7	50.
2588.34	0.0	89.	182.	124.	-0.61	0	2578.70
9.74	2588.47	3.70	11.01	3.79	0.32	2589.75	2580.20
0.008354	0.047	0.120	0.055	0.120	0.06	-0.00	90.00
	2578.60	40.	50.	40.	23.	27.	140.00 30.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	16.00	0.01	166.00	0.0

ELCWU	ELCWD
2577.90	2577.90

*SECNO .520

3700. BRIDGE STENCL= 90.00 STENCR= 140.00

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

RACCOON CREEK 100 YEAR FLOODWA 08/01/81

MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV
DEPTH	WSELK	VLOB	VCH	VROB	HL	FG	LEFT/RIGHT
SLOPE	WTH	XNL	XNCH	XNR	OLOSS	CORAR	SSTA
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST VOL

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2595.41	2592.02	0.00	426.	2394.	166.	166.	2588.30

ELTRD
2591.60

3470 ENCROACHMENT STATIONS= 90.0 140.0 TYPE= 1 TARGET= 50.000

0.52	2800.	384.	1871.	545.	0.53	2	50.
2592.97	0.0	149.	270.	208.	-0.87	0	2578.70
14.37	2592.27	2.58	6.94	2.62	3.76	2593.50	2580.20
0.001619	0.047	0.100	0.050	0.100	0.0	-0.00	90.00
	2578.60	30.	30.	30.	23.	27.	140.00 30.

*SECNO .520

3470 ENCROACHMENT STATIONS= 90.0 140.0 TYPE= 1 TARGET= 50.000

0.52	2800.	190.	2228.	382.	0.46	2	50.	
2595.10	0.0	95.	369.	173.	-0.07	0	2580.40	
14.70	2592.35	1.99	6.03	2.21	0.06	2593.57	2580.20	
0.001254	0.047	0.100	0.050	0.100	0.01	-0.00	90.00	
	2578.40	40.	40.	40.	22.	28.	140.00	31.

*SECNO .650

3470 ENCROACHMENT STATIONS= 470.0 600.0 TYPE= 1 TARGET= 130.000

0.65	2800.	122.	1776.	902.	0.23	2	130.	
2594.24	0.0	109.	389.	458.	-0.24	0	2590.40	
12.74	2593.41	1.12	4.56	1.97	0.88	2594.47	2584.50	
0.001179	0.048	0.100	0.050	0.100	0.02	-0.00	470.00	
	2581.50	720.	720.	720.	50.	80.	600.00	44.

*SECNO .650

3470 ENCROACHMENT STATIONS= 470.0 600.0 TYPE= 1 TARGET= 130.000

0.65	2800.	110.	2182.	508.	0.20	1	130.	
2594.30	0.0	110.	541.	312.	-0.02	0	2590.40	
12.80	2593.48	1.00	4.03	1.63	0.04	2594.51	2585.40	
0.000921	0.048	0.100	0.050	0.100	0.00	-0.00	470.00	
	2581.50	40.	40.	40.	58.	72.	600.00	45.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	DWP	BAREA	SS
	1.25	1.60	3.00	0.0	22.00	2.00	339.00	2.60

ELCHU	ELCHD
2582.70	2582.70

*SECNO .650
3700. BRIDGE STENCL= 470.00 STENCR= 600.00

*** GR CARDS REPEATED
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2596.00	2594.53	0.02	783.	2021.	339.	339.	2590.90

ELTRD
2592.40

3470 ENCROACHMENT STATIONS= 470.0 600.0 TYPE= 1 TARGET= 130.000

0.65	2800.	104.	2150.	546.	0.22	2	130.	
2594.97	0.0	94.	512.	288.	0.02	0	2591.60	
12.27	2593.98	1.11	4.20	1.90	0.68	2595.19	2586.60	
0.000871	0.048	0.080	0.045	0.080	0.0	-0.00	470.00	
	2582.70	30.	30.	30.	58.	72.	600.00	45.

*SECNO .650

RACCOON CREEK 100 YEAR FLOODWA 08/01/81

MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST VOL
3470 ENCROACHMENT STATIONS=		470.0	600.0	TYPE= 1		TARGET=	130.000
0.65	2800.	115.	1721.	964.	0.23	0	130.
2594.97	0.0	95.	371.	420.	0.01	0	2591.60
12.27	2593.98	1.22	4.64	2.24	0.01	2595.20	2585.70
0.001052	0.048	0.080	0.045	0.080	0.01	-0.00	470.00
	2582.70	10.	10.	10.	50.	80.	600.00 46.

*SECNO .820

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=		170.0	300.0	TYPE= 1		TARGET=	130.000
0.82	2800.	253.	1694.	653.	1.40	3	130.
2596.29	0.0	74.	143.	241.	1.16	0	2590.00
9.89	2596.08	3.39	11.86	3.54	1.90	2597.69	2591.00
0.007628	0.046	0.074	0.040	0.074	0.58	-0.00	170.00
	2586.40	850.	850.	850.	38.	92.	300.00 59.

*SECNO .820

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=		170.0	300.0	TYPE= 1		TARGET=	130.000
0.82	1900.	214.	981.	705.	0.31	3	130.
2597.62	0.0	113.	167.	352.	-1.09	0	2590.00
11.22	2596.97	1.89	5.88	2.00	0.14	2597.93	2591.00
0.001525	0.046	0.074	0.040	0.074	0.11	-0.00	170.00
	2586.40	40.	40.	40.	38.	92.	300.00 59.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.50	3.00	0.0	15.00	0.01	95.00	0.0
ELCHU	ELCHD							
2586.70	2586.70							

*SECNO .820
3700. BRIDGE STENCL= 170.00 STENCR= 300.00

*** GR CARDS REPEATED
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2607.56	2597.93	0.00	1548.	352.	95.	94.	2593.00

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   ELTRD
2594.00


3470 ENCROACHMENT STATIONS=      170.0     300.0  TYPE=      1  TARGET=      130.000
      0.82     1900.      215.      977.      709.      0.30         2         130.
   2597.66        0.      114.      168.      356.     -0.01         0      2590.00
     11.27     2596.97     1.88      5.82      1.99      0.03      2597.96   2591.00
  0.001486        0.046    0.074      040     0.074      0.0        -0.00     170.00
                2586.40      30.       30.       30.       38.       92.     300.00        60.

*SECNO .820

*** GR CARDS REPEATED

3470 ENCROACHMENT STATIONS=      170.0     300.0  TYPE=      1  TARGET=      130.000
      0.82     1900.      215.      975.      710.      0.30         0         130.
   2597.68        0.      115.      168.      357.     -0.00         0      2590.00
     11.28     2596.98     1.87      5.81      1.99      0.01      2597.98   2591.00
  0.001475        0.046    0.074     0.040     0.074     0.00        -0.00     170.00
                2586.40      10.       10.       10.       38.       92.     300.00        60.

*SECNO .950
    RACCOON CREEK                 100 YEAR FLOODWA     08/01/81
    MILE        Q         QLOB      QCH       QROB      HV        ITRIAL    TOPWID
    ELEV        CRIWS     ALOB      ACH       AROB      DHV       IDC       BANK ELEV
    DEPTH       WSELK     VLOB      VCH       VROB      HL        EG        LEFT/RIGHT
    SLOPE       WTN       XNL       XNCH      XNR       OLOSS     CORAR     SSTA
                ELMIN     XLOBL     XLCH      XLOBR     WSDL      WSDR      ENDST       VOL

3470 ENCROACHMENT STATIONS=       95.0     150.0  TYPE=      1  TARGET=       55.000
      0.95     1860.       44.      1744.       72.      0.78         2          55.
   2598.89        0.       22.       239.       37.      0.48         0      2595.40
      9.69     2597.92     1.99      7.28      1.94      1.45      2599.67   2596.40
  0.003949        0.046    0.080     0.045     0.060     0.24        -0.00      95.00
                2589.20      640.      640.      640.       24.       31.     150.00        67.


*SECNO 1.140

3470 ENCROACHMENT STATIONS=      370.0     450.0  TYPE=      1  TARGET=       80.000
      1.14     1810.      373.      948.      489.      0.57         3          80.
   2604.65        0.      150.      120.      157.     -0.21         0      2600.30
      8.45     2603.84     2.49      7.92      3.12      5.54      2605.22   2598.00
  0.003545        0.044    0.085     0.040     0.085     0.02        -0.00     370.00
                2596.20     1480.     1480.     1480.       44.       36.     450.00        79.

*SECNO 1.400

3301 HV CHANGED MORE THAN HVINS

    RACCOON CREEK                 100 YEAR FLOODWA     08/01/81
    MILE        Q         QLOB      QCH       QROB      HV        ITRIAL    TOPWID
    ELEV        CRIWS     ALOB      ACH       AROB      DHV       IDC       BANK ELEV
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    DEPTH      WSELK      VLOB       VCH       VROB       HL         EG      LEFT/RIGHT
    SLOPE      WTN        XNL        XNCH      XNR        OLOSS      CORAR     SSTA
               ELMIN      XLOBL      XLCH      XLOBR      WSDL       WSDR      ENDST        VOL

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

 3470 ENCROACHMENT STATIONS=      185.0      310.0  TYPE=      1  TARGET=      125.000
       1.40      1740.       148.      1329.       263.      1.43         20       125.
    2610.54   2610.54         45.       122.       131.      0.86         15   2606.10
        .54   2610.24       3.30      10.89      2.00       3.23    2611.97   2607.00
   0.008579     0.044      0.080      0.040     0.095       0.43      -0.00    185.00
               2603.00       620.       620.       620.       35.       90.    310.00        84.


 *SECNO 1.400

 *** GR CARDS REPEATED

 3301 HV CHANGED MORE THAN HVINS


 3470 ENCROACHMENT STATIONS=      185.0      310.0  TYPE=      1  TARGET=      125.000
       1.40      1740.       179.      1173.       388.      0.74          4       125.
    2611.53       0.0         70.       142.       210.     -0.69          0   2606.10
       8.53   2610.89       2.58       8.27      1.84       0.23    2612.27   2607.00
   0.004046     0.044      0.080      0.040     0.095       0.07      -0.00    185.00
               2603.00         40.        40.        40.       35.       90.    310.00        84.


 SPECIAL BRIDGE

 SB      MK         XKOR       COFQ      RDLEN      BWC        BWP       BAREA       SS
         1.25       1.60       3.00        0.0      15.00      0.01      126.00     0.79
      ELCHU      ELCHD
    2603.30    2603.30

 *SECNO 1.400
        3700.   BRIDGE STENCL=     185.00    STENCR=     310.00

 *** GR CARDS REPEATED
 PRESSURE AND WEIR FLOW

      EGPRS      EGLWC         H3      QWEIR       QPR      BAREA      TAREA      ELLC
    2612.90    2612.31       0.00        819.       937.       126.       126.   2609.60

      ELTRD
    2609.50


 3470 ENCROACHMENT STATIONS=      185.0      310.0  TYPE=      1  TARGET=      125.000
       1.40      1740.       201.      1065.       474.      0.44          2       125.
    2612.46       0.0         93.       161.       286.     -0.30          0   2606.10
       9.46   2611.46       2.16       6.63      1.66       0.64    2612.90   2607.00
   0.002200     0.044      0.080      0.040     0.095       0.0       -0.00    185.00
               2603.00         30.        30.        30.       35.       90.    310.00        85.
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*SECNO 1.400

*** GR CARDS REPEATED

RACCOON CREEK			100 YEAR FLOODWA		08/01/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL
3470 ENCROACHMENT STATIONS=			185.0	310.0	TYPE= 1	TARGET=	125.000	
1.40	1740.	202.	1063.	475.	0.43	0	125.	
2612.49	0.0	94.	161.	288.	-0.01	0	2606.10	
9.49	2611.49	2.15	6.59	1.65	0.02	2612.92	2607.00	
0.002169	0.044	0.060	0.040	0.095	0.00	-0.00	185.00	
	2603.00	10.	10.	10.	35.	90.	310.00	85.

*SECNO 1.500

3470 ENCROACHMENT STATIONS=			300.0	400.0	TYPE= 1	TARGET=	100.000	
1.50	1660.	419.	664.	577.	0.37	2	100.	
2613.98	0.0	127.	100.	177.	-0.06	0	2610.20	
7.58	2613.05	3.31	6.64	3.25	1.43	2614.36	2610.20	
0.003319	0.044	0.060	0.040	0.060	0.01	-0.00	300.00	
	2606.40	500.	580.	500.	43.	57.	400.00	91.

*SECNO 1.690

3301 HV CHANGED MORE THAN HVINS

RACCOON CREEK			100 YEAR FLOODWA		08/01/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=			300.0	400.0	TYPE= 1	TARGET=	100.000	
1.69	1660.	235.	859.	566.	1.02	12	100.	
2620.66	2620.66	57.	83.	118.	0.64	14	2618.90	
5.36	2620.16	4.11	10.33	4.80	6.17	2621.67	2618.40	
0.012755	0.043	0.060	0.040	0.060	0.32	-0.00	300.00	
	2615.30	1060.	1060.	1060.	40.	60.	400.00	99.

*SECNO 1.910

3470 ENCROACHMENT STATIONS=			420.0	550.0	TYPE= 1	TARGET=	130.000	
1.91	1600.	518.	906.	176.	0.54	5	130.	
2630.47	0.0	178.	121.	80.	-0.47	0	2625.60	
6.47	2629.43	2.91	7.47	2.20	9.29	2631.01	2626.70	
0.006872	0.044	0.080	0.050	0.095	0.05	-0.00	420.00	
	2624.00	1010.	1010.	1010.	83.	47.	550.00	106.

*SECNO 1.910

*** GR CARDS REPEATED

3470 ENCROACHMENT STATIONS=			420.0	550.0	TYPE= 1	TARGET=	130.000	
1.91	1600.	547.	862.	191.	0.42	2	130.	
2630.83	0.0	204.	129.	93.	-0.12	0	2625.60	
6.83	2630.21	2.68	6.67	2.06	0.23	2631.25	2626.70	
0.005032	0.044	0.080	0.050	0.095	0.01	-0.00	420.00	
	2624.00	40.	40.	40.	83.	47.	550.00	106.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	13.00	0.01	52.00	0.0

ELCHU	ELCHD
2623.70	2623.70

*SECNO 1.910

3700. BRIDGE STENCL= 420.00 STENCR= 550.00

*** GR CARDS REPEATED

RACCOON CREEK 100 YEAR FLOODWA 08/01/81

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

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2654.36	2631.25	0.00	1358.	247.	52.	51.	2627.60

ELTRD
2627.80

3470 ENCROACHMENT STATIONS=			420.0	550.0	TYPE= 1	TARGET=	130.000	
1.91	1600.	560.	841.	198.	0.37	2	130.	
2631.03	0.0	218.	134.	100.	-0.05	0	2625.60	
7.03	2630.26	2.57	6.30	1.98	0.14	2631.39	2626.70	
0.004292	0.044	0.080	0.050	0.095	0.0	-0.00	420.00	
	2624.00	30.	30.	30.	83.	47.	550.00	107.

*SECNO 1.910

3470 ENCROACHMENT STATIONS=			420.0	550.0	TYPE= 1	TARGET=	130.000	
1.91	1600.	572.	823.	204.	0.33	1	130.	
2631.23	0.0	232.	138.	107.	-0.04	0	2625.60	
7.23	2630.41	2.47	5.98	1.91	0.16	2631.56	2626.70	
0.003713	0.044	0.080	0.050	0.095	0.00	-0.00	420.00	
	2624.00	40.	40.	40.	83.	47.	550.00	107.

*SECNO 2.100

3470 ENCROACHMENT STATIONS= 75.0 225.0 TYPE= 1 TARGET= 150.000

2.10	1600.	1.	747.	851.	0.66	4	150.	
2636.68	2636.54	1.	88.	215.	0.33	18	2635.70	
5.18	2636.15	0.94	8.52	3.97	5.61	2637.33	2635.80	
0.012583	0.044	0.120	0.045	0.060	0.16	-0.00	75.00	
	2631.50	880.	880.	940.	14.	136.	225.00	115.

*SECNO 2.200

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS= 75.0 225.0 TYPE= 1 TARGET= 150.000

2.20	1600.	3.	536.	1061.	0.14	4	150.	
2639.09	0.0	5.	132.	454.	-0.51	0	2636.20	
7.09	2638.10	0.57	4.07	2.34	1.85	2639.23	2636.30	
0.001669	0.044	0.120	0.045	0.060	0.05	-0.00	75.00	
	2632.00	540.	540.	5 0.	14.	136.	225.00	120.

*SECNO 2.250

3301 HV CHANGED MORE THAN HVINS

RACCOON CREEK 100 YEAR FLOODWA 08/01/81

MILE	Q	LOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

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

3470 ENCROACHMENT STATIONS= 320.0 400.0 TYPE= 1 TARGET= 80.000

2.25	1600.	3.	1293.	305.	1.36	20	80.	
2641.52	2641.52	3.	126.	78.	1.22	8	2640.70	
7.22	2640.78	1.01	10.26	3.89	0.74	2642.88	2640.50	
0.014280	0.044	0.120	0.045	0.060	0.61	-0.00	320.00	
	2634.30	200.	200.	200.	17.	63.	400.00	122.

*SECNO 2.250

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

RACCOON CREEK 100 YEAR FLOODWA 08/01/81

MILE	Q	LOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

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3470 ENCROACHMENT STATIONS=     320.0     400.0  TYPE=     1  TARGET=      80.000
3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     2642.50 ELREA=     2642.50

      2.25     1600.        0.     1600.        0.      2.32         2       26.
   2641.70        0.        0.      131.        0.      0.95         0  2640.70
      7.40  2641.55       0.0     12.21       0.0      0.66   2644.02  2640.50
 0.019236     0.044     0.120     0.045     0.060      0.48     -0.00   324.00
           2634.30       40.       40.       40.       13.        13.   350.00      122.

SPECIAL BRIDGE

SB     HK        XKOR      COFQ     RDLEN      BWC       DWP     BAREA       SS
       1.25      1.60      3.00       0.0      7.00      0.01     50.00       0.0
    ELCHU     ELCHD
  2635.20   2655.20

*SECNO 2.250
      3700.   BRIDGE STENCL=    320.00    STENCR=    400.00

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

PRESSURE AND WEIR FLOW

     EGPRS     EGLWC        H3     QWEIR       QPR     BAREA     TAREA      ELLC
   2667.14   2644.03      0.03      857.      746.       50.       52.   2642.60

     ELTRD
   2644.80


3470 ENCROACHMENT STATIONS=     320.0     400.0  TYPE=     1  TARGET=      80.000
      2.25     1600.       13.      896.      691.      0.12         2       80.
   2647.11        0.       25.      271.      358.     -2.20         0  2640.70
     12.81  2646.32       0.52      3.30      1.93      3.21   2647.23  2640.50
 0.000533     0.044     0.120     0.045     0.060       0.0     -0.00   320.00
           2634.30       30.       30.       30.       17.        63.   400.00      123.

*SECNO 2.250

*** GR CARDS REPEATED

3470 ENCROACHMENT STATIONS=     320.0     400.0  TYPE=     1  TARGET=      80.000
      2.25     1600.       13.      896.      691.      0.12         2       80.
   2647.11        0.       25.      272.      358.     -0.00         0  2640.70
     12.81  2646.32       0.52      3.30      1.93      0.01   2647.23  2640.50
 0.000532     0.044     0.120     0.045     0.060      0.00     -0.00   320.00
           2634.30       10.       10.       10.       17.        63.   400.00      123.
```

THIS RUN EXECUTED 08/01/81 8:22:12

****
HEC2 RELEASE DATED NOV 76 UPDATED JULY1979
ERROR CORR - 01,02,03
MODIFICATION - 50,51,52,53,54
****

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

'@*******
RACCOON CREEK

SUMMARY PRINTOUT TABLE 110

	SECNO	CWSEL	DIFKWS	EG	TOPWID	PERENC	STENCL	STENCR	STCHL	STCHR	QLOB	QCH	QROB
	0.160	2577.80	0.0	2578.59	135.	0.	0.	0.	105.	126.	332.	1825.	643.
	0.160	2578.80	1.00	2579.63	85.	85.	90.	175.	105.	126.	229.	1981.	590.
	0.160	2578.04	0.0	2578.76	136.	0.	0.	0.	105.	126.	341.	1796.	663.
	0.160	2578.99	0.95	2579.78	85.	85.	90.	175.	105.	126.	231.	1969.	600.
	0.160	2578.66	0.0	2578.82	126.	0.	0.	0.	73.	234.	0.	2800.	0.
	0.160	2579.59	0.93	2579.84	76.	85.	90.	175.	73.	234.	0.	2800.	0.
	0.160	2578.76	0.0	2578.92	127.	0.	0.	0.	73.	234.	0.	2800.	0.
	0.160	2579.74	0.97	2579.97	76.	85.	90.	175.	73.	234.	0.	2800.	0.
	0.160	2578.55	0.0	2579.14	138.	0.	0.	0.	105.	126.	357.	1742.	701.
	0.160	2579.51	0.97	2580.20	85.	85.	90.	175.	105.	126.	235.	1941.	624.
	0.160	2578.58	0.0	2579.17	138.	0.	0.	0.	105.	126.	358.	1739.	703.
	0.160	2579.55	0.97	2580.23	85.	85.	90.	175.	105.	126.	236.	1939.	625.
	0.210	2579.04	0.0	2580.11	138.	0.	0.	0.	94.	125.	227.	2317.	256.
	0.210	2579.98	0.94	2581.03	70.	70.	80.	150.	94.	125.	157.	2473.	170.
	0.210	2579.56	0.0	2580.42	146.	0.	0.	0.	94.	125.	251.	2239.	310.
	0.210	2580.32	0.76	2581.28	70.	70.	80.	150.	94.	125.	161.	2457.	182.
	0.210	2579.56	0.0	2580.42	146.	0.	0.	0.	94.	125.	250.	2240.	310.
	0.210	2580.40	0.83	2581.33	70.	70.	80.	150.	94.	125.	162.	2453.	185.
	0.210	2579.64	0.0	2580.47	147.	0.	0.	0.	94.	125.	254.	2229.	317.
	0.210	2580.45	0.81	2581.38	70.	70.	80.	150.	94.	125.	162.	2451.	187.
*	0.260	2581.75	0.0	2584.24	115.	0.	0.	0.	595.	611.	317.	2270.	213.
*	0.260	2581.22	-0.53	2584.45	56.	115.	560.	675.	595.	611.	290.	2389.	121.
	0.260	2584.01	0.0	2584.77	298.	0.	0.	0.	595.	611.	483.	1744.	573.
	0.260	2583.76	-0.24	2585.16	115.	115.	560.	675.	595.	611.	450.	2107.	243.
	0.260	2584.75	0.0	2584.77	419.	0.	0.	0.	597.	622.	1518.	495.	786.
	0.260	2585.06	0.30	2585.16	115.	115.	560.	675.	597.	622.	709.	1146.	945.

M03

	SECNO	CWSEL	DIFKWS	EG	TOPWID	PERENC	STENCL	STENCR	STCHL	STCHR	QLOB	QCH	QROB
	0.260	2584.76	0.0	[illegible]	419.	0.	0.	0.	597.	622.	1518.	495.	786.
	0.260	2585.09	0.33	2585.18	115.	115.	560.	675.	597.	622.	709.	1145.	946.
	0.400	2584.83	0.0	2585.00	322.	0.	0.	0.	590.	615.	820.	1165.	815.
	0.400	2585.47	0.64	2585.90	115.	115.	560.	675.	590.	615.	314.	1676.	810.
	0.460	2585.08	0.0	2586.24	59.	0.	0.	0.	48.	90.	20.	2733.	47.
	0.460	2586.10	1.02	2586.96	74.	75.	30.	105.	48.	90.	35.	2699.	67.
	0.500	2586.73	0.0	2588.30	54.	0.	0.	0.	50.	80.	109.	2627.	64.
	0.500	2587.16	0.44	2588.56	50.	50.	40.	90.	50.	80.	113.	2614.	72.
	0.520	2586.97	0.0	2589.22	52.	0.	0.	0.	54.	75.	252.	2333.	215.
	0.520	2587.35	0.37	2589.36	50.	50.	40.	90.	54.	75.	260.	2315.	225.
	0.520	2588.47	0.0	2589.65	72.	0.	0.	0.	103.	122.	392.	1900.	508.
	0.520	2588.34	-0.14	2589.75	50.	50.	90.	140.	103.	122.	328.	2002.	470.
	0.520	2592.27	0.0	2592.65	181.	0.	0.	0.	103.	122.	531.	1611.	658.
	0.520	2592.97	0.70	2593.50	50.	50.	90.	140.	103.	122.	384.	1871.	545.
	0.520	2592.35	0.0	2592.70	148.	0.	0.	0.	99.	125.	351.	1955.	494.
	0.520	2593.10	0.76	2593.57	50.	50.	90.	140.	99.	125.	190.	2228.	382.
	0.650	2593.41	0.0	2593.64	352.	0.	0.	0.	500.	539.	236.	1687.	877.
	0.650	2594.24	0.83	2594.47	130.	130.	470.	600.	500.	539.	122.	1776.	902.
	0.650	2593.48	0.0	2593.69	359.	0.	0.	0.	500.	555.	220.	2072.	509.
	0.650	2594.30	0.82	2594.51	130.	130.	470.	600.	500.	555.	110.	2182.	508.
	0.650	2593.98	0.0	2594.24	263.	0.	0.	0.	500.	555.	152.	2129.	519.
	0.650	2594.97	0.99	2595.19	130.	130.	470.	600.	500.	555.	104.	2150.	546.
	0.650	2593.98	0.0	2594.26	263.	0.	0.	0.	500.	539.	169.	1707.	925.
	0.650	2594.97	0.99	2595.20	130.	130.	470.	600.	500.	539.	115.	1721.	964.
*	0.820	2596.08	0.0	2596.95	382.	0.	0.	0.	199.	217.	203.	1425.	1171.
	0.820	2596.29	0.21	2597.69	130.	130.	170.	300.	199.	217.	253.	1694.	853.
	0.820	2596.97	0.0	2597.12	400.	0.	0.	0.	199.	217.	156.	739.	1005.
	0.820	2597.62	0.65	2597.93	130.	130.	170.	300.	199.	217.	214.	981.	705.
	0.820	2596.97	0.0	2597.12	400.	0.	0.	0.	199.	217.	156.	739.	1005.
	0.820	2597.66	0.70	2597.96	130.	130.	170.	300.	199.	217.	215.	977.	709.
	0.820	2596.98	0.0	2597.13	400.	0.	0.	0.	199.	217.	156.	73[illegible]	1007.
	0.820	2597.68	0.70	2597.98	130.	130.	170.	300.	199.	217.	215.	97[illegible].	710.
	0.950	2597.92	0.0	2598.96	75.	0.	0.	0.	102.	135.	56.	1748.	56.
	0.950	2598.89	0.97	2599.67	55.	55.	95.	150.	102.	135.	44.	1744.	72.
	1.140	2603.84	0.0	2604.04	205.	0.	0.	0.	406.	422.	839.	597.	374.
	1.140	2604.65	0.81	2605.22	80.	80.	370.	450.	406.	422.	373.	948.	489.
*	1.400	2610.24	0.0	2611.10	267.	0.	0.	0.	210.	230.	110.	1082.	548.
*	1.400	2610.54	0.29	2611.97	125.	125.	185.	310.	210.	230.	148.	1329.	263.

	SECNO	CWSEL	DIFKWS	EG	TOPWID	PERENC	STENCL	STENCR	STCHL	STCHR	QLOB	QCH	QROB
	1.400	2610.89	0.0	2611.[illegible]	280.	0.	0.	0.	210.	230.	138.	924.	678.
	1.400	2611.53	0.64	2612.27	125.	125.	185.	310.	210.	230.	179.	1173.	388.
	1.400	2611.46	0.0	2611.72	292.	0.	0.	0.	210.	230.	165.	815.	761.
	1.400	2612.46	1.00	2612.90	125.	125.	185.	310.	210.	230.	201.	1065.	474.
	1.400	2611.49	0.0	2611.74	292.	0.	0.	0.	210.	230.	166.	811.	763.
	1.400	2612.49	1.00	2612.92	125.	125.	185.	310.	210.	230.	202.	1063.	475.
	1.500	2613.0[illegible]	0.0	2613.63	138.	0.	0.	0.	335.	350.	431.	721.	508.
	1.500	2613.98	0.93	2614.36	100.	100.	300.	400.	335.	350.	419.	664.	577.
	1.690	2620.16	0.0	2620.44	381.	0.	0.	0.	330.	350.	142.	491.	1026.
*	1.690	2620.66	0.50	2621.67	100.	100.	300.	400.	330.	350.	235.	859.	566.
*	1.910	2629.48	0.0	2630.14	287.	0.	0.	0.	492.	514.	604.	857.	139.
	1.910	2630.47	0.98	2631.01	130.	130.	420.	550.	492.	514.	516.	906.	176.
	1.910	2630.21	0.0	2630.45	304.	0.	0.	0.	492.	514.	727.	661.	212.
	1.910	2630.83	0.62	2631.25	130.	130.	420.	550.	492.	514.	547.	862.	191.
	1.910	2630.26	0.0	2630.49	305.	0.	0.	0.	492.	514.	732.	652.	216.
	1.910	2631.03	0.76	2631.39	130.	130.	420.	550.	492.	514.	560.	841.	198.
	1.910	2630.41	0.0	2630.67	239.	0.	0.	0.	492.	514.	665.	686.	249.
	1.910	2631.23	0.82	2631.56	130.	130.	420.	550.	492.	514.	572.	823.	204.
	2.100	2636.15	0.0	2636.56	276.	0.	0.	0.	77.	100.	0.	561.	1039.
	2.100	2636.68	0.53	2637.33	150.	150.	75.	225.	77.	100.	1.	747.	851.
	2.200	2638.10	0.0	2638.17	326.	0.	0.	0.	77.	100.	3.	357.	1240.
	2.200	2639.09	1.00	2639.23	150.	150.	75.	225.	77.	100.	3.	536.	1061.
*	2.250	2640.78	0.0	2641.36	283.	0.	0.	0.	324.	350.	0.	851.	749.
*	2.250	2641.52	0.74	2642.88	80.	80.	320.	400.	324.	350.	3.	1293.	305.
*	2.250	2641.55	0.0	2644.02	26.	0.	0.	0.	324.	350.	0.	1600.	0.
	2.250	2641.70	0.15	2644.02	26.	80.	320.	400.	324.	350.	0.	1600.	0.
	2.250	2646.32	0.0	2646.33	493.	0.	0.	0.	324.	350.	32.	260.	1309.
	2.250	2647.11	0.79	2647.23	80.	80.	320.	400.	324.	350.	13.	896.	691.
	2.250	2646.32	0.0	2646.33	493.	0.	0.	0.	324.	350.	32.	260.	1308.
	2.250	2647.11	0.79	2647.23	80.	80.	320.	400.	324.	350.	13.	896.	691.

SUMMARY OF ERRORS

CAUTION SECNO= 0.260 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 0.260 PROFILE= 1
PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 0.260 PROFILE= 1
20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 0.260 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 0.260 PROFILE= 2

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 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    0.260  PROFILE= 2
 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=    0.820  PROFILE= 1  CRITICAL DEPTH ASSUMED

CAUTION  SECNO=    1.400  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    1.400  PROFILE= 1
 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    1.400  PROFILE= 1
 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=    1.400  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    1.400  PROFILE= 2
 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    1.400  PROFILE= 2
 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=    1.690  PROFILE= 2  CRITICAL DEPTH ASSUMED

CAUTION  SECNO=    1.910  PROFILE= 1  CRITICAL DEPTH ASSUMED

CAUTION  SECNO=    2.250  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    2.250  PROFILE= 1
 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    2.250  PROFILE= 1
 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=    2.250  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    2.250  PROFILE= 2
 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    2.250  PROFILE= 2
 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=    2.250  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    2.250  PROFILE= 1
 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    2.250  PROFILE= 1
 20 TRIALS ATTEMPTED TO BALANCE WSEL
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FLOODWAY DATA, RACCOON CREEK
PROFILE NO. 2

STATION	FLOODWAY WIDTH (FT)	FLOODWAY SECTION AREA	FLOODWAY MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
0.160	85.	624.	4.5	2578.8	2577.8	1.0
0.160	85.	640.	4.4	2579.0	2578.0	1.0
0.160	85.	707.	4.0	2579.6	2578.7	0.9
0.160	85.	718.	3.9	2579.7	2578.8	0.9
0.160	85.	685.	4.1	2579.5	2578.5	1.0
0.160	85.	688.	4.1	2579.6	2578.6	1.0
0.210	70.	453.	6.2	2580.0	2579.0	1.0
0.210	70.	478.	5.9	2580.3	2579.6	0.7
0.210	70.	483.	5.8	2580.4	2579.6	0.8
0.210	70.	486.	5.8	2580.5	2579.6	0.9
0.260	115.	271.	10.3	2581.7	2581.7	0.0
0.260	115.	501.	5.6	2584.0	2584.0	0.0
0.260	115.	1267.	2.2	2585.1	2584.8	0.3
0.260	115.	1271.	2.2	2585.1	2584.8	0.3
0.400	115.	784.	3.6	2585.5	2584.8	0.7
0.460	75.	422.	6.6	2586.1	2585.1	1.0
0.500	50.	348.	8.1	2587.2	2586.7	0.5
0.520	50.	322.	8.7	2587.3	2587.0	0.3
0.520	50.	395.	7.1	2588.5	2588.5	0.0
0.520	50.	626.	4.5	2593.0	2592.3	0.7
0.520	50.	637.	4.4	2593.1	2592.3	0.8
0.650	130.	956.	2.9	2594.2	2593.4	0.8
0.650	130.	963.	2.9	2594.3	2593.5	0.8
0.650	130.	894.	3.1	2595.0	2594.0	1.0
0.650	130.	895.	3.1	2595.0	2594.0	1.0
0.820	130.	459.	6.1	2596.3	2596.1	0.2
0.820	130.	632.	3.0	2597.6	2597.0	0.6
0.820	130.	638.	3.0	2597.7	2597.0	0.7
0.820	130.	640.	3.0	2597.7	2597.0	0.7
0.950	55.	299.	6.2	2598.9	2597.9	1.0
1.140	80.	426.	4.2	2604.7	2603.8	0.9
1.400	125.	298.	5.8	2610.5	2610.2	0.3
1.400	125.	422.	4.1	2611.5	2610.9	0.6
1.400	125.	540.	3.2	2612.5	2611.5	1.0
1.400	125.	543.	3.2	2612.5	2611.5	1.0
1.500	100.	404.	4.1	2614.0	2613.1	0.9
1.690	100.	258.	6.4	2620.7	2620.2	0.5
1.910	130.	379.	4.2	2630.5	2629.5	1.0
1.910	130.	426.	3.8	2630.8	2630.2	0.6
1.910	130.	452.	3.5	2631.0	2630.3	0.7
1.910	130.	476.	3.4	2631.2	2630.4	0.8
2.100	150.	304.	5.3	2636.7	2636.1	0.6
2.200	150.	591.	2.7	2639.1	2638.1	1.0
2.250	80.	207.	7.7	2641.5	2640.8	0.7
2.250	80.	131.	12.2	2641.7	2641.6	0.1
2.250	80.	654.	2.4	2647.1	2646.3	0.8
2.250	80.	655.	2.4	2647.1	2646.3	0.8

THIS RUN EXECUTED 08/01/81 8:21:04

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED JULY1979
  ERROR CORR - 01,02,03
  MODIFICATION - 50,51,52,53
**************************************************

T1     WAYNESVILLE                    RACONCR 10-16-80 UNC
T2     10 YEAR FLOOD                  JCL KEY = HCD0134
T3     RACCOON CREEK                  FLOOD PROFILES

J1  ICHECK   INQ    NINV   IDIR   STRT  METRIC   HVINS     Q     WSEL     FQ

      10.     0.     0.     0. 0.00080     0.     0.0     0.     0.0     0.0

J2  NPROF   IPLOT  PRFVS   XSECV  XSECH     FN   ALLDC    IBW  CHNIM ITRACE

       0.     0.     -1.     0.     0.    0.0     0.0     0.     0.     0.

J3  VARIABLE CODES FOR SUMMARY PRINTOUT

    150.00 160.00 201.00 200.00  23.00  36.00 109.00   0.0    0.0    0.0

*PROF 1

CCHV=  0.100 CEHV=   0.500
*SECNO .160
2096 WSEL NOT GIVEN,AVG OF MAX,MIN USED
   RACCOON CREEK              10 YEAR FLOOD          08/01/81
   MILE       Q        QLOB      QCH       QROB      HV        ITRIAL     TOPWID
   ELEV       CRIWS    ALOB      ACH       AROB      DHV       IDC        BANK ELEV
   DEPTH      WSELK    VLOB      VCH       VROB      HL        EG      LEFT/RIGHT
   SLOPE      WTN      XNL       XNCH      XNR       OLOSS     CORAR      SSTA
              ELMIN    XLOBL     XLCH      XLOBR     WSDL      WSDR       ENDST      VOL

     0.16     1400.     103.     1118.      179.      0.64          0        123.
  2575.26      0.0       72.      156.      146.      0.50          0     2568.80
     7.96      0.0      1.44      7.15      1.22      0.0     2575.90    2570.80
 0.004384      0.0     0.130     0.050     0.140      0.0       -0.00      72.59
           2567.30        0.        0.        0.       43.         80.     195.93      0.

*SECNO .160

*** GR CARDS REPEATED
     0.16     1400.     111.     1092.      197.      0.56          2        124.
  2575.51      0.0       80.      162.      163.     -0.08          0     2568.80
     8.21      0.0      1.39      6.76      1.20      0.16    2576.07    2570.80
 0.003745    0.049     0.130     0.050     0.140      0.01       -0.00      72.26
           2567.30       40.       40.       40.       43.         81.     196.72      0.

*SECNO .160

3265 DIVIDED FLOW
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3370 NORMAL BRIDGE,NRD=  6 MIN ELTRD= 2587.70 MAX ELLC= 2585.50

      0.16     1400.         0.      1400.         0.      0.10          2      118.
   2576.02      ?.0          0.       550.         0.     -0.46          0   2582.80
      7.62       ?          0.0       2.55        0.0      0.00    2576.12   2583.20
  0.002623     0.?4?      0.130      0.050      0.140      0.05      -0.00     83.97
             2568.40         1.         1.         1.       70.        64.    217.3?        0.

*SECNO .160

*** GR CARDS REPEATED

3265 DIVIDED FLOW

3370 NORMAL BRIDGE,NRD=  6 MIN ELTRD= 2587.70 MAX ELLC= 2585.50

      0.16     1400.         0.      1400.         0.      0.10          1      119.
   2576.10       0.0         0.       560.         0.     -0.00          0   2582.80
      7.70       0.0        0.0       2.50        0.0      0.08    2576.20   2583.20
  0.002505     0.048      0.130      0.050      0.140      0.00      -0.00     83.84
             2568.40        30.        30.        30.       70.        64.    217.46        1.

*SECNO .160
    RACCOON CREEK                     10 YEAR FLOOD        08/01/81
    MILE       Q          QLOB       QCH        QROB       HV         ITRIAL    TOPWID
    ELEV       CRIWS      ALOB       ACH        AROB       DHV        IDC       BANK ELEV
    DEPTH      WSELK      VLOB       VCH        VROB       HL         EG      LEFT/RIGHT
    SLOPE      WTN        XNL        XNCH       XNR        OLOSS      CORAR     SSTA
               ELMIN      XLOBL      XLCH       XLOBR      WSDL       WSDR      ENDST      VOL

      0.16     1400.       123.      1053.       224.      0.45          2      126.
   2575.92       0.0        93.       170.       193.      0.35          0   2568.80
      8.62       0.0       1.32       6.18       1.16      0.00    2576.38   2570.80
  0.002923     0.047      0.130      0.050      0.140      0.18      -0.00     71.71
             2567.30         1.         1.         1        44.        83.    198.00        1.

*SECNO .160

*** GR CARDS REPEATED
      0.16     1400.       124.      1050.       226.      0.45          0      126.
   2575.96       0.0        94.       171.       195.     -0.01          0   2568.80
      8.66       0.0       1.31       6.14       1.16      0.03    2576.41   2570.80
  0.002878     0.047      0.130      0.050      0.140      0.00      -0.00     71.68
             2567.30        10.        10.        10.       44.        83.    198.08        1.

*SECNO .210
      0.21     1400.        49.      1350.         2.      0.90          2       81.
   2576.45       0.0        33.       175.         5.      0.45          0   2574.40
      7.75       0.0       1.47       7.73       0.32      0.72    2577.35   2576.10
  0.007900     0.049      0.130      0.050      0.130      0.23      -0.00     73.89
             2568.70       160.       160.       160.       36.        45.    154.83        2.

*SECNO .210
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CM

*** GR CARDS REPEATED

0.21	1400.	64.	1318.	18.	0.69	2	101.	
2577.00	0.0	45.	192.	29.	-0.21	0	2574.40	
8.30	0.0	1.43	6.87	0.63	0.33	2577.69	2576.10	
0.005499	0.049	0.130	0.050	0.130	0.02	-0.00	72.27	
	2568.70	50.	50.	50.	37.	64.	173.64	2.

SPECIAL BRIDGE

SB	MK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	12.00	0.01	68.00	0.0

ELCHU	ELCHD
2568.00	2568.00

*SECNO .210

*** GR CARDS REPEATED
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2587.53	2577.70	0.00	965.	436.	68.	67.	2573.60

ELTRD
2574.50

0.21	1400.	76.	1284.	40.	0.55	3	114.
2577.47	0.0	55.	206.	54.	-0.14	0	2574.40
8.77	0.0	1.38	6.23	0.74	0.33	2578.02	2576.10
0.004103	0.049	0.130	0.050	0.130	0.0	-0.00	68.80
	2568.70	30.	30.	30.	41.	73.	182.44	3.

*SECNO .210

*** GR CARDS REPEATED
RACCOON CREEK 10 YEAR FLOOD 08/01/81

MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV
DEPTH	WSILK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT
SLOPE	WTN	XNL	XNCH	XNR	QLOSS	CORAR	SSTA
	ELMIN	XLOBL	YLC	YLOBR	WSDL	WSDR	ENDST	VOL
0.21	1400.	77.			0.54	0	115.	
2577.52	0.0	57.			-0.01	0	2574.40	
8.82	0.0	1.3			0.[illegible]	2578.07	2576.10	
0.003984	0.049	0.130	0.050		0.[illegible]	-0.00	68.39	
	2568.70	10.	10.	10.	41.	74.	183.12	3.

*SECNO .260

3301 HV CHANGED MORE THAN HVINS

RACCOON CREEK 10 YEAR FLOOD 08/01/81

MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV

DD1

D01

DEPTH	WSELK	VLOB	VCH	VROB	NL		LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	[illegible]	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	[illegible]	ENDST	VOL

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

0.26	1400.	47.	1321.	32.	2.58	20	31.
2577.85	2577.85	19.	100.	11.	2.04	15	2574.00
7.45	0.0	2.52	13.26	2.92	0.73	2580.45	2573.20
0.024154	0.050	0.140	0.055	0.130	1.02	0.0	584.76
	2570.40	90.	90.	90.	18.	13.	615.65	3.

*SECNO .260

*** GR CARDS REPEATED

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

0.[illegible]	1400.	105.	1240.	54.	1.18	3	56.
2580.	0.0	53.	135.	29.	-1.41	0	2574.00
9.63	0.0	1.99	9.22	1.85	0.64	2581.21	2573.20
0.007827	0.050	0.140	0.055	0.130	0.14	-0.00	573.20
	2570.40	50.	50.	50.	30.	150.	753.00	3.

SPECIAL BRIDGE

SB	WK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	32.00	0.01	272.00	0.0
ELCHU	ELCHD							
2570.50	2570.50							

*SECNO .260
6870 D.S. ENERGY OF 2581.21 HIGHER THAN COMPUTED ENERGY OF 2580.64

3301 HV CHANGED MORE THAN HVINS

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	WEIR	QPR	BAREA	TAREA	ELLC
2580.64	2580.34	0.00	44.	1343.	272.	272.	2579.00

ELTRD
2578.80

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 2583.00 ELREA= 2581.00

0.26	1400.	0.	1400.	0.	0.55	1	25.
2580.65	0.0	0.	235.	0.	-0.62	0	2574.00
10.25	0.0	0.	5.96	0.0	0.0	2581.21	2574.20
0.002869	0.050	0.080	0.055	0.080	0.0	-0.00	5[illegible].00
	2570.40	30.	30.	30.	13.	13.	6[illegible]2.00	3.

E01

*SECNO .260

*** GR CARDS REPEATED

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

0.26	1400.	721.	330.	349.	0.01	2	371.	
2581.27	0.0	1085.	250.	551.	-0.54	0	2574.00	
10.87	0.0	0.66	1.32	0.63	0.02	2581.28	2574.20	
0.000129	0.051	0.080	0.055	0.080	0.05	-0.00	380.56	
	2570.40	50.	50.	50.	229.	144.	753.92	5.

*SECNO .400
WATER EL=XS CARD= 2581.366

RACCOON CREEK			10 YEAR FLOOD		08/01/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL
0.40	1400.	124.	1028.	248.	0.53	0	229.	
2581.37	0.0	115.	152.	164.	0.50	0	2580.00	
8.17	0.0	1.08	6.75	1.51	0.22	2581.89	2579.00	
0.004660	0.048	0.100	0.045	0.100	0.26	-0.00	479.44	
	2573.20	580.	580.	580.	123.	105.	707.95	20.

*SECNO .460

0.46	1400.	4.	1388.	9.	0.64	2	50.	
2582.76	0.0	4.	215.	8.	0.11	0	2580.00	
6.76	0.0	0.97	6.46	1.14	1.45	2583.40	2580.00	
0.004430	0.047	0.100	0.045	0.100	0.06	-0.00	45.24	
	2576.00	320.	320.	320.	24.	27.	95.52	23.

*SECNO .500

0.50	140.	[illegible]	1357.	13.	0.86	2	[illegible]	
2584.26	0.0	[illegible]	180.	10.	0.22	0	2580.00	
7.06	0.0	1.63	7.56	1.34	1.61	2585.12	2581.00	
0.005064	0.047	0.100	0.045	0.100	0.11	-0.00	41.48	
	2577.20	340.	340.	340.	24.	21.	85.96	24.

*SECNO .520

0.52	1400.	92.	1231.	77.	1.29	2	43.	
2584.55	0.0	33.	128.	28.	0.42	0	2579.10	
6.65	0.0	2.77	9.65	2.71	0.50	2585.83	2579.00	
0.007769	0.047	0.100	0.045	0.100	0.21	-0.00	42.31	
	2577.90	80.	80.	80.	22.	21.	85.20	25.

*SECNO .526

3301 HV CHANGED MORE THAN HVINS

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3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     2588.00 ELREA=     2588.00

      0.52     1400.        0.     1400.        0.     2.72        6        19.
   2584.34  2584.29         0.      106.        0.     1.43       11   2578.70
      5.74      0.0        0.0     13.23        0.     0.51  2587.06   2580.20
 0.024799    0.047      0.120     0.055      0.120     0.72    -0.00    103.00
          2578.60         40.       40.        40.      10.       10.    122.00       25.

SPECIAL BRIDGE

SB     HK       XKOR      COFQ      RDLEN      BHC       BHP       BAREA      SS
       1.25     1.60      3.00        0.0      16.00      0.01      166.00     0.0
    ELCHU     ELCHD
  2577.90   2577.90

*SECNO .520

*** GR CARDS REPEATED
     RACCOON CREEK                  10 YEAR FLOOD        08/01/81
     MILE      Q          QLOB      QCH       QROB      HV        ITRIAL     TOPWID
     ELEV      CRIWS      ALOB      ACH       AROB      DHV       IDC        BANK ELEV
     DEPTH     WSELK      VLOB      VCH       VROB      HL        EG    LEFT/RIGHT
     SLOPE     WTN        XNL       XNCH      XNR       OLOSS     CORAR      SSTA
               ELMIN      XLOBL     XLCH      XLORR     WSDL      WSDR       ENDST      VOL

CLASS A LOW FLOW

3420 BRIDGE W.S.=   2584.33 BRIDGE VELOCITY=,      13.62
     CALCULATED CHANNEL AREA=,      103.
     EGPRS     EGLWC      H3        QWEIR      QPR       BAREA      TAREA      ELLC
       0.0   2587.06      0.02         0.     1400.       166.       166.   2588.30

     ELTRD
   2591.60


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     2592.00 ELREA=     2592.00

      0.52     1400.        0.     1400.        0.     2.70        0        19.
   2584.36      0.0         0.      106.        0.    -0.02        0   2578.70
      5.76      0.0        0.0     13.18        0.     0.00  2587.06   2580.20
 0.020254    0.047      0.100     0.050      0.100     0.0       0.0    103.00
          2578.60         30.       30.        30.      10.       10.    122.00       25.

*SECNO .520

3301 HV CHANGED MORE THAN HVINS

      0.52     1400.       90.     1135.       175.     0.36        3        66.
   2587.11      0.0        57.      213.        95.    -2.33        0   2580.60
      8.71      0.0       1.59      5.32       1.84     0.19  2587.48   2580.20
 0.002021    0.047      0.100     0.050      0.100     0.23    -0.00    82.10
          2578.40         40.       40.        40.      30.       36.    147.78       25.
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*SECNO .450
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G01

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*SECNO .650
     0.65      1400.         0.      1068.       332.      0.39         4       88.
  2589.12       0.0          0.       191.       156.      0.02         0  2590.40
     7.62       0.0          0.0      5.58       2.13      2.01   2589.50  2584.50
 0.004120     0.048        0.100     0.050      0.100      0.01     -0.00   502.73
             2581.50         720.      720.       720.       17.       71.   590.29      31.

*SECNO .650

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     2592.00 ELREA=     2592.00

     0.65      1400.         0.      1400.         0.      0.43         1       53.
  2589.25       0.0          0.       265.         0.      0.05         0  2590.40
     7.75       0.0          0.0      5.29         0.0     0.16   2589.69  2585.40
 0.003853     0.048        0.100     0.050      0.100      0.02     -0.00   502.46
             2581.50          40.       40.        40.       25.       28.   555.00      31.

SPECIAL BRIDGE

SB     HK        XKOR       COFQ      RDLEN       BWC       BWP      BAREA       SS
     1.25        1.60       3.00        0.0     22.00      2.00     339.00      2.60
   ELCHU     ELCHD
 2582.70   2582.70

*SECNO .650

*** GR CARDS REPEATED
CLASS A LOW FLOW

3420 BRIDGE W.S.=    2589.18 BRIDGE VELOCITY=,      5.86
     CALCULATED CHANNEL AREA=,      239.
   EGPRS      EGLWC          H3       QWEIR        QPR      BAREA      TAREA       ELLC
     0.0    2590.03        0.07          0,      1400.      339.       339.    2590.90

   ELTRD
 2592.40


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     2592.50 ELREA=     2592.50

     0.65      1400.         0.      1400.         0.      0.71         0       50.
  2589.32       0.0          0.       207.         0.      0.27         0  2591.60
     6.62       0.0          0.0      6.76         0.0     0.35   2590.03  2586.60
 0.006614     0.048        0.080     0.045      0.080       0.0     -0.00   504.34
             2582.70          30.       30.        30.       23.       28.   555.00      31.

*SECNO .650
    RACCOON CREEK                  10 YEAR FLOOD        08/01/81
   MILE        Q          QLOB       QCH        QROB       HV         ITRIAL     TOPWID
   ELEV      CRIWS        ALOB       ACH        AROB       DHV        IDC        BANK ELEV
   DEPTH     WSELK        VLOB       VCH        VROB       HL         EG       LEFT/RIGHT
   SLOPE     WTN          XNL        XNCH       XNR        OLOSS      CORAR      SSTA
             ELMIN        XLOBL      XLCH       XLOBR      WSDL       WSDR       ENDST       VOL
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H01

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 0.65      1400.
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0.65	1400.	0.	1087.	313.	0.55	2	83.	
2589.56	0.0	0.	165.	118.	-0.16	0	2591.60	
6.86	0.0	0.0	6.60	2.65	0.06	2590.11	2585.70	
0.005359	0.048	0.080	0.045	0.080	0.02	-0.00	504.33	
	2582.70	10.	10.	10.	15.	67.	586.91	31.

*SECNO .820

RACCOON CREEK 10 YEAR FLOOD 03/01/81

MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XWL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

0.82	1400.	72.	1059.	269.	0.99	2	226.	
2594.79	2594.79	31.	116.	156.	0.44	14	2590.00	
8.39	0.0	2.30	9.14	1.73	4.81	2595.78	2591.00	
0.005988	0.046	0.074	0.040	0.074	0.22	-0.00	172.66	
	2586.40	850.	850.	850.	35.	190.	398.41	37.

*SECNO .820

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

0.82	900.	63.	499.	339.	0.12	3	377.	
2595.83	0.0	67.	135.	428.	-0.87	0	2590.00	
9.43	0.0	0.94	3.71	0.79	0.09	2595.95	2591.00	
0.000806	0.046	0.074	0.040	0.074	0.09	-0.00	156.99	
	2586.40	40.	40.	40.	51.	326.	533.62	38.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	AWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	15.00	0.01	95.00	0.0

ELCHU	ELCHD
2586.70	2586.70

*SECNO .820

*** GR CARDS REPEATED
6870 D.S. ENERGY OF 2595.95 HIGHER THAN COMPUTED ENERGY OF 2595.92
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2598.06	2595.95	0.00	722.	178.	95.	94.	2593.00

ELTRD
2594.00

0.82	900.	63.	498.	339.	0.12	2	377.
2595.83	0.0	67.	135.	428.	-0.00	0	2590.00

9.43	0.0	0.94	3.70	0.79	0.0	2595.95	2591.00	
0.000802	0.046	0.074	0.040	0.074	0.0	-0.00	156.93	
	2586.40	30.	30.	30.	51.	326.	533.65	38.

*SECNO .820

*** GR CARDS REPEATED

0.82	900.	63.	497.	341.	0.12	0	377.	
2595.84	0.0	67.	135.	430.	-0.00	0	2590.00	
9.44	0.0	0.93	3.69	0.79	0.01	2595.96	2591.00	
0.000796	0.046	0.074	0.040	0.074	0.00	-0.00	155.82	
	2586.40	10.	10.	10.	51.	326.	533.69	38.

*SECNO .950

RACCOON CREEK			10 YEAR FLOOD		08/01/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL
0.95	890.	5.	883.	1.	0.44	2	62.	
2596.61	0.0	7.	164.	4.	0.32	0	2595.40	
7.41	0.0	0.79	5.37	0.39	0.93	2597.06	2596.40	
0.003550	0.046	0.080	0.045	0.080	0.16	-0.00	90.61	
	2589.20	640.	640.	640.	28.	34.	152.19	44.

*SECNO 1.140

1.14	870.	274.	321.	175.	0.26	3	185.	
2601.27	0.0	200.	75.	93.	-0.19	0	2600.30	
5.67	0.0	1.37	5.59	1.89	5.05	2602.12	2598.00	
0.003277	0.044	0.085	0.040	0.085	0.02	-0.00	278.66	
	2596.20	1480.	1460.	1480.	135.	50.	463.98	53.

*SECNO 1.400

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HV TOL

RACCOON CREEK			10 YEAR FLOOD		08/01/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

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

1.40	850.	40.	745.	64.	0.96	20	153.	
2608.89	2608.89	18.	89.	67.	0.70	8	2606.10	
5.89	0.0	2.21	8.37	0.96	2.96	2609.35	2607.00	
0.007698	0.044	0.080	0.040	0.095	0.35	-0.00	197.91	
	2603.00	620.	620.	620.	22.	187.	406.72	57.

*SECNO 1.400

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

1.40	850.	50.	607.	193.	0.37	4	222.	
2609.71	0.0	29.	105.	203.	-0.58	0	2606.10	
6.71	0.0	1.73	5.75	0.95	0.18	2610.08	2607.00	
0.002906	0.044	0.080	0.040	0.095	0.06	-0.00	196.09	
	2603.00	40.	40.	40.	24.	198.	417.95	57.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	15.00	0.01	126.00	0.79

ELCHU	ELCHD
2603.30	2603.30

*SECNO 1.400

*** GR CARDS REPEATED
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2610.54	2610.31	0.00	115.	727.	126.	126.	2609.60

ELTRD
2609.50

1.40	850.	56.	513.	281.	0.10	2	269.	
2610.36	0.0	48.	118.	328.	-0.19	0	2606.10	
7.36	0.0	1.16	4.33	0.86	0.46	2610.54	2607.00	
0.001408	0.044	0.080	0.040	0.095	0.0	-0.00	157.54	
	2603.00	30.	30.	30.	62.	207.	426.86	58.

*SECNO 1.400

*** GR CARDS REPEATED

RACCOON CREEK			10 YEAR FLOOD		08/01/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	QLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL
1.40	850.	56.	510.	284.	0.18	0	270.	
2610.38	0.0	49.	119.	332.	-0.00	0	2606.10	
7.38	0.0	1.14	4.29	0.85	0.01	2610.55	2607.00	
0.001379	0.044	0.080	0.040	0.095	0.00	-0.00	157.41	
	2603.00	10.	10.	10.	63.	207.	427.13	58.

*SECNO 1.500

3301 HV CHANGED MORE THAN HVINS

3301 HV CHANGED MORE THAN HVINS

	1.50	820.	132.	526.	162.	0.69	4	113.
	2611.65	0.0	51.	65.	61.	0.51	0	2610.20
	5.25	0.0	2.60	8.07	2.65	1.53	2612.34	2610.20
	0.008705	0.044	0.060	0.040	0.060	0.26	-0.00	289.26
		2606.40	500.	580.	500.	53.	60.	402.18

62.

*SECNO 1.690

	1.69	820.	46.	338.	436.	0.23	14	284.
	2619.52	2619.28	31.	61.	217.	-0.45	13	2618.90
	4.22	0.0	1.47	5.58	2.01	7.38	2619.76	2618.40
	0.005691	0.043	0.060	0.040	0.060	0.05	-0.00	283.87
		2615.30	1060.	1060.	1060.	56.	228.	568.10

68.

*SECNO 1.910

3265 DIVIDED FLOW

RACCOON CREEK			10 YEAR FLOOD		08/01/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

	1.91	800.	163.	613.	24.	0.73	3	178.
	2628.55	2628.55	79.	79.	11.	0.50	8	2625.60
	4.55	0.0	2.06	7.76	2.16	8.32	2629.28	2626.70
	0.013120	0.044	0.080	0.050	0.095	0.25	-0.00	344.73
		2624.00	1010.	1010.	1010.	158.	37.	540.37

73.

*SECNO 1.910

*** GR CARDS REPEATED

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

	1.91	800.	292.	445.	63.	0.19	3	283.
	2629.39	0.0	211.	97.	70.	-0.54	0	2625.60
	5.39	0	1.38	4.57	0.90	0.24	2629.58	2626.70
	0.003445	0.044	0.080	0.050	0.095	0.05	-0.00	313.93
		2624.00	40.	40.	40.	189.	100.	602.97

74.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	13.00	0.01	52.00	0.0
	ELCHU	ELCHD						
	2623.70	2623.70						

*SECNO 1.910

*** GR CARDS REPEATED

3265 DIVIDED FLOW

RACCOON CREEK			10 YEAR FLOOD		08/01781			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2635.27	2629.58	0.00	642.	162.	52.	51.	2627.60

ELTRD
2627.80

1.91	800.	300.	432.	68.	0.17	2	286.	
2629.46	0.0	224.	99.	77.	-0.02	0	2625.60	
5.46	0.0	1.34	4.36	0.89	0.05	2629.63	2626.70	
0.003071	0.044	0.080	0.050	0.095	0.0	-0.00	313.16	
	2624.00	30.	30.	30.	190.	101.	603.54	74.

*SECMO 1.910

3265 DIVIDED FLOW

1.91	800.	293.	428.	79.	0.16	0	230.	
2629.58	0.0	197.	102.	88.	-0.01	0	2625.60	
5.58	0.0	1.49	4.21	0.89	0.12	2629.75	2626.70	
0.002754	0.044	0.080	0.050	0.095	0.00	-0.00	372.60	
	2624.00	40.	40.	40.	130.	102.	604.51	74.

*SECNO 2.100

3265 DIVIDED FLOW

RACCOON CREEK			10 YEAR FLOOD		08/01/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

2.10	800.	0.	405.	395.	0.40	16	231.	
2635.49	2635.49	0.	60.	162.	0.24	14	2635.70	
3.99	0.0	0.0	6.70	2.44	4.54	2635.89	2635.80	
0.012128	0.044	0.120	0.045	0.060	0.12	-0.00	77.38	
	2631.50	880.	880.	940.	11.	242.	330.92	80.

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*SECNO 2.200

*** GR CARDS REPEATED
     2.20      800.        0.       225.       575.       0.04         6       296.
  2637.22       0.0        2.        89.       467.      -0.35         0    2636.20
     5.22       0.0      0.26      2.53       1.23       1.34   2637.26    2636.30
 0.001096     0.044     0.120     0.045      0.060       0.04     -0.00      73.50
            2632.00      540.      540.       500.        15.      281.     369.49      85.

*SECNO 2.250

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

    RACCOON CREEK                  10 YEAR FLOOD        08/01/81
   MILE       Q        QLOB      QCH       QROB       HV        ITRIAL     TOPWID
   ELEV       CRIWS    ALOB      ACH       AROB       DHV       IDC        BANK ELEV
   DEPTH      WSELK    VLOB      VCH       VROB       HL        EG      LEFT/RIGHT
   SLOPE      WTN      XNL       XNCH      XNR        OLOSS     CORAR      SSTA
              ELMIN    XLOBL     XLCH      XLOBR      WSDL      WSDR       ENDST      VOL

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
     2.25      800.        0.       622.       178.       0.61        20       213.
  2640.06   2640.06        0.        89.       103.       0.56         8    2640.70
     5.76       0.0       0.0      7.02       1.73       0.49   2640.66    2640.50
 0.009721     0.044     0.120     0.045      0.060       0.28     -0.00     325.39
            2634.30      200.      200.       200.        12.      221.     558.35      87.

*SECNO 2.250

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

    RACCOON CREEK                  10 YEAR FLOOD        08/01/81
   MILE       Q        QLOB      QCH       QROB       HV        ITRIAL     TOPWID
   ELEV       CRIWS    ALOB      ACH       AROB       DHV       IDC        BANK ELEV
   DEPTH      WSELK    VLOB      VCH       VROB       HL        EG      LEFT/RIGHT
   SLOPE      WTN      XNL       XNCH      XNR        OLOSS     CORAR      SSTA
              ELMIN    XLOBL     XLCH      XLOBR      WSDL      WSDR       ENDST      VOL

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     2642.50 ELREA=     2642.50

     2.25      800.        0.       500.         0.       1.14         2        25.
  2640.25       0.0        0.        93.         0.       0.53         0    2640.70
     5.95       0.0       0.0      8.55        0.0       0.46   2641.39    2640.50
 0.013927     0.044     0.120     0.045      0.060       0.27     -0.00     324.96
            2634.30       40.       40.        40.        12.       13.     349.79      87.

SPECIAL BRIDGE
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SB      HK        XKOR      COFQ      RDLEN      BWC       BWP       BAREA      SS
      1.25        1.60      3.00       0.0       7.00      0.01      50.00      0.0
    ELCHU     ELCHD
  2635.20   2635.20

*SECNO 2.250

*** GR CARDS REPEATED
CLASS A LOW FLOW

3420 BRIDGE W.S.=   2640.27 BRIDGE VELOCITY=,     22.58
     CALCULATED CHANNEL AREA=,      35.
    EGPRS     EGLWC       HS      QWEIR       QPR      BAREA     TAREA      ELLC
      0.0   2641.40      0.01        0.       800.       50.       52.   2642.60

    ELTRD
  2644.80


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     2645.00 ELREA=     2645.00

     2.25       800.        0.       800.        0.      1.13         0       25.
  2640.27       0.0         0.        94.        0.     -0.01         0  2640.70
     5.97       0.0        0.0       8.54       0.0      0.01   2641.40  2640.50
0.013829     0.044      0.120      0.045     0.060       0.0     -0.00   324.94
          2634.30        30.        30.       30.        12.       13.   349.80      87.

*SECNO 2.250

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

     2.25       800.        1.       315.      485.     0.05         4      314.
  2641.48       0.0         3.       125.      455.    -1.08         0  2640.70
     7.18       0.0        0.19      2.52      1.07     0.02   2641.53  2640.50
0.000869     0.044      0.120      0.045     0.060     0.11     -0.00   315.69
          2634.30        10.        10.       10.        21.      292.   629.28      87.
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THIS RUN EXECUTED 08/01/81 8:21:18

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED JULY1979
  ERROR CORR -  01,02,03
  MODIFICATION -  30,31,32,33,34
**************************************************

T1      WAYNESVILLE NC                                                  1590
T2      50 YEAR FLOOD                                                   1595
T3      RACCOON CREEK                                                   1600

J1  ICHECK     INQ    NINV    IDIR    STRT   METRIC   HVINS      Q      WSEL    FQ
          0.      3.      0.      0. 0.0044D       0.     0.0       0.     0.0     0.0    1605
J2  NPROF   IPLOT   PRFVS   XSECV  XSECH       FN   ALLDC      IBW   CHNIM ITRACE
          2.      0.     -1.      0.     0.    0.0     0.0       0.      0.      0.    1610
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*PROF 2

CCHV=   0.100 CEHV=   0.500
*SECNO .160
2096 WSEL NOT GIVEN,AVG OF MAX,MIN USED
   RACCOON CREEK                    50 YEAR FLOOD          08/01/81
    MILE        Q          QLOB       QCH        QROB       HV         ITRIAL      WID
    ELEV        CRIWS      ALOB       ACH        AROB       DHV        IDC       BANK ELEV
    DEPTH       WSELK      VLOB       VCH        VROB       HL         EG       LEFT/RIGHT
    SLOPE       WTN        XNL        XNCH       XNR        OLOSS      CORAR      SSTA
                ELMIN      XLOBL      XLCH       XLOBR      WSDL       WSDR       ENDST        VOL

      0.16      2300.       247.      1584.       469.       0.74          0        131.
   2577.01        0.0       130.       193.       273.       0.50          0     2568.80
      9.71        0.0       1.89       8.20       1.72       0.0     2577.74     2570.80
  0.004359        0.0      0.130      0.050      0.140       0.0       -0.00       70.28
              2567.30         0.         0.         0.        45.         86.     201.38          0.

*SECNO .160

*** GR CARDS REPEATED
      0.16      2300.       255.      1556.       489.       0.66          2        132.
   2577.25        0.0       139.       198.       291.      -0.07          0     2568.80
      9.95        0.0       1.84       7.85       1.68       0.16    2577.91     2570.80
  0.003856      0.049      0.130      0.050      0.140       0.01      -0.00       69.95
              2567.30        40.        40.        40.        46.        87.     202.14          1.

*SECNO .160

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3370 NORMAL BRIDGE,NRD=   6 MIN ELTRD= 2587.70 MAX ELLC= 2585.50

      0.16      2300.         0.      2300.         0.       0.14          2        124.
   2577.83        0.0         0.       770.         0.      -0.52          0     2582.80
      9.43        0.0        0.0       2.99        0.0       0.00    2577.97     2583.20
  0.003078      0.048      0.130      0.050      0.140       0.05      -0.00       81.30
              2568.40         1.         1.         1.        72.        67.     220.23          1.

*SECNO .160

*** GR CARDS REPEATED

3265 DIVIDED FLOW

3370 NORMAL BRIDGE,NRD=   6 MIN ELTRD= 2587.70 MAX ELLC= 2585.50

      0.16      2300.         0.      2300.         0.       0.13          0        124.
   2577.93        0.0         0.       782.         0.      -0.00          0     2582.80
      9.53        0.0        0.0       2.94        0.0       0.09    2578.06     2583.20
  0.002958      0.048      0.130      0.050      0.140       0.00      -0.00       81.15
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              2568.40      30.       30.       30.       72.       67.    220.40        1.

*SECNO .160
    RACCOON CREEK                  50 YEAR FLOOD        08/(?1781
   MILE       Q         QLOB       QCH       QROB       HV        ITRIAL    TOPWID
   ELEV       CRIWS     ALOB       ACH       AROB       DHV       IDC       BANK ELEV
   DEPTH      WSELK     VLOB       VCH       VROB       HL        EG     LEFT/RIGHT
   SLOPE      WTN       XNL        XNCH      XNR        OLOSS     CORAR     SSTA
              ELMIN     XLOBL      XLCH      XLOBR      WSDL      WSDR      ENDST        VOL

      0.16    2300.      270.     1506.      523.      0.55         2      134.
   2577.72     0.0       155.      208.      327.      0.41         0   2568.80
     10.42     0.0       1.74      7.24      1.60      0.00   2578.27   2570.80
  0.003071    0.047     0.130     0.050     0.140      0.21     -0.00     69.33
             2567.30       1.        1.        1.       46.       88.    203.41        1.

*SECNO .160

*** GR CARDS REPEATED
      0.16    2300.      271.     1503.      525.      0.54         0      134.
   2577.76     0.0       156.      209.      330.     -0.01         0   2568.80
     10.46     0.0       1.73      7.20      1.59      0.03   2578.30   2570.80
  0.003029    0.047     0.130     0.050     0.140      0.00     -0.00     69.29
             2567.30      10.       10.       10.       46.       88.    203.70        1.

*SECNO .210

3301 HV CHANGED MORE THAN HVINS

      0.21    2300.      155.     2010.      134.      1.05         2      125.
   2578.21     0.0        77.      229.       98.      0.51         0   2574.40
      9.51     0.0       2.03      8.77      1.36      0.71   2579.26   2576.10
  0.007067    0.049     0.130     0.050     0.130      0.25     -0.00     62.36
             2568.70     160.      160.      160.       47.       78.    187.81        3.

*SECNO .210

*** GR CARDS REPEATED
      0.21    2300.      177.     1936.      187.      0.81         2      134.
   2578.78     0.0        96.      247.      135.     -0.24         0   2574.40
     10.08     0.0       1.85      7.84      1.38      0.30   2579.59   2576.10
  0.005118    0.049     0.130     0.050     0.130      0.02     -0.00     57.44
             2568.70      50.       50.       50.       52.       82.    191.64        4.


SPECIAL BRIDGE

SB    HK        XKOR       COFQ      RDLEN      BWC       BWP       BAREA     SS
      1.25      1.60       3.00      0.0       12.00      0.01      68.00     0.0
   ELCHU     ELCHD
   2568.00   2568.00

*SECNO .210

*** GR CARDS REPEATED
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PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2607.20	2579.59	0.00	1896.	388.	68.	67.	2573.60

ELTRD
2574.50

0.21	2300.	177.	1937.	186.	0.81	3	134.	
2578.77	0.0	96.	247.	135.	0.00	0	2574.40	
10.07	0.0	1.85	7.85	1.38	0.00	2579.59	2576.10	
0.005142	0.049	0.130	0.050	0.130	0.0	-0.00	57.51	
	2568.70	30.	30.	30.	52.	82.	191.59	4.

*SECNO .210

*** GR CARDS RSPEATED

RACCOON CREEK 50 YEAR FLOOD 08/01/81

MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL
0.21	2300.	180.	1927.	193.	0.79	2	135.	
2578.85	0.0	99.	249.	140.	-0.03	0	2574.40	
10.15	0.0	1.82	7.74	1.38	0.05	2579.64	2576.10	
0.004923	0.049	0.130	0.050	0.130	0.00	-0.00	56.83	
	2568.70	10.	10.	10.	53.	83.	192.12	4.

*SECNO .260

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

RACCOON CREEK 50 YEAR FLOOD 08/01/81

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

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

0.26	2300.	191.	2009.	101.	2.81	20	65.	
2580.37	2580.37	61.	140.	37.	2.03	8	2574.00	
9.97	0.0	3.14	14.35	2.75	0.76	2583.18	2573.20	
0.017989	0.050	0.140	0.055	0.130	1.01	0.0	570.51	
	2570.40	90.	90.	90.	32.	150.	753.25	5.

*SECNO .260

*** GR CARDS REPEATED

F02

3301 HV CHANGED MORE THAN HVINS

0.26	2300.	318.	1692.	290.	1.04	4	243.
2582.78	0.0	164.	179.	201.	-1.77	0	2574.00
12.38	0.0	1.94	9.47	1.45	0.46	2583.82	2573.20
0.005665	0.050	0.140	0.055	0.130	0.18	-0.00	512.27
	2570.40	50.	50.	50.	91.	152.	755.06 5.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	32.00	0.01	272.00	0.0

ELCHU	ELCHD
2570.50	2570.50

*SECNO .260
PRESS FLOW BECAUSE EGLWC OF 2583.82 EXCEEDS 1.5 DEPTH
6870 D.S. ENERGY OF 2583.82 HIGHER THAN COMPUTED ENERGY OF 2583.35

3301 HV CHANGED MORE THAN HVINS

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2584.56	2583.82	0.00	977.	1303.	272.	272.	2579.00

ELTRD
2578.80

0.26	2300.	1232.	434.	633.	0.01	2	406.
2583.81	0.0	1674.	314.	889.	-1.03	0	2574.00
13.41	0.0	0.74	1.38	0.71	0.0	2583.82	2574.20
0.000105	0.050	0.080	0.055	0.080	0.0	-0.00	349.73
	2570.40	30.	30.	30.	260.	146.	755.83 7.

*SECNO .260

*** GR CARDS REPEATED

0.26	2300.	1232.	434.	633.	0.01	2	406.
2583.82	0.0	1676.	314.	890.	-0.00	0	2574.00
13.42	0.0	0.74	1.38	0.71	0.01	2583.83	2574.20
0.000105	0.051	0.080	0.055	0.080	0.00	-0.00	349.66
	2570.40	50.	50.	50.	260.	146.	755.84 10.

*SECNO .400
RACCOON CREEK 50 YEAR FLOOD 08/01/81

MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL
0.40	2300.	584.	1079.	637.	0.20	0	297.	
2583.88	0.0	459.	215.	416.	0.19	0	2580.00	

G02

10.68	0.0	1.27	5.02	1.53	0.15	2584.08	2570.00

10.68	0.0	1.27	5.02	1.53	0.15	2584.08	2579.00	
0.001627	0.048	0.100	0.045	0.100	0.09	-0.00	426.05	
	2573.20	580.	580.	580.	176.	120.	722.55	36.

*SECNO .460

3301 HV CHANGED MORE THAN HVINS

0.46	2300.	13.	2257.	30.	0.99	2	55.	
2584.32	0.0	9.	281.	19.	0.79	0	2580.00	
8.32	0.0	1.37	8.04	1.60	0.83	2585.30	2580.00	
0.004837	0.047	0.100	0.045	0.100	0.39	-0.00	43.68	
	2576.00	320.	320.	320.	25.	30.	98.64	42.

*SECNO .500

0.50	2300.	76.	2182.	42.	1.33	2	51.	
2585.93	0.0	35.	230.	22.	0.35	0	2580.00	
8.73	0.0	2.16	9.50	1.89	1.79	2587.27	2581.00	
0.005753	0.047	0.100	0.045	0.100	0.17	-0.00	38.13	
	2577.20	340.	340.	340.	27.	24.	89.02	44.

*SECNO .520

3301 HV CHANGED MORE THAN HVINS

0.52	2300.	190.	1948.	161.	1.92	2	49.	
2586.20	0.0	55.	162.	48.	0.59	0	2579.10	
8.30	0.0	3.43	12.01	3.38	0.56	2588.12	2579.00	
0.008725	0.047	0.100	0.045	0.100	0.30	-0.00	39.00	
	2577.90	80.	80.	80.	25.	24.	88.23	44.

*SECNO .520

3301 HV CHANGED MORE THAN HVINS

RACCOON CREEK			50 YEAR FLOOD		08/01/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XMCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

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

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 2588.00 ELREA= 2588.00

0.52	2300.	0.	2300.	0.	3.84	20	19.	
2586.47	2586.47	0.	146.	0.	1.92	8	2578.70	
7.87	0.0	0.0	15.73	0.0	0.53	2590.31	2580.20	
0.022802	0.047	0.120	0.055	0.120	0.96	0.0	103.00	
	2578.60	40.	40.	40.	10.	10.	122.00	45.

SPECIAL BRIDGE

SPECIAL BRIDGE

5227 DOWNSTREAM ELEV IS 2586.22 ,NOT 2586.47
HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

SB	HK	XKOR	COSQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	16.00	0.01	166.00	0.0

ELCHU	ELCHD
2577.90	2577.90

*SECNO .520

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

RACCOON CREEK			50 YEAR FLOOD		08/01/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	CLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

PRESSURE FLOW

EGPRS	EGLWC	H3	QWEIR	OPR	BAREA	TAREA	ELLC
2591.23	2590.33	0.0	0.	2300.	166.	166.	2588.30

ELTRD
2591.60

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 2592.00 ELREA= 2592.00

0.52	2300.	0.	2300.	0.	2.12	3	19.	
2589.11	0.0	0.	197.	0.	-1.72	0	2578.70	
10.51	0.0	0.0	11.70	0.0	0.93	2591.23	2580.20	
0.007016	0.047	0.100	0.050	0.100	0.0	-0.00	103.00	
	2573.60	30.	30.	30.	10.	10.	122.00	45.

*SECNO .520

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

0.52	2300.	247.	1677.	376.	0.33	3	93.	
2591.18	0.0	147.	319.	208.	-1.80	0	2580.60	
12.78	0.0	1.67	5.25	1.81	0.09	2591.51	2580.20	
0.001153	0.047	0.100	0.050	0.100	0.18	-0.00	27.29	
	2578.40	40.	40.	40.	85.	46.	157.96	45.

*SECNO .650

0.65	2300.	78.	1522.	700.	0.26	2	232.	
2592.27	0.0	116.	313.	346.	-0.06	0	2590.40	
10.77	0.0	0.67	4.86	2.02	1.02	2592.54	2584.50	

```
 0.001795     0.048      0.100      0.050      0.100      0.01     -0.00     387.32
            2581.50      720.       720.       720.       132.      100.     619.73      57.


*SECNO .650
    0.65      2300.       77.      1044.       378.       0.23         2       238.
 2592.37       0.0       126.       435.       235.      -0.03         0    2590.40
   10.87       0.0       0.61       4.24       1.61       0.04   2592.60    2585.40
 0.001359     0.048      0.100      0.050      0.100      0.00     -0.00     384.26
            2581.50       40.        40.        40.       143.       94.     621.93      58.


SPECIAL BRIDGE

SB     HK       XKOR       COFQ      RDLEN        BWC       BWP     BAREA        SS
     1.25       1.60       3.00       0.0       22.00      2.00    339.00      2.60
   ELCHU     ELCHD
 2582.70   2582.70

*SECNO .650

*** GR CARDS REPEATED
PRESSURE AND WEIR FLOW

   EGPRS     EGLWC         H3     QWEIR        QPR      BAREA     TAREA      ELLC
 2593.52   2592.99       0.02      212.      2081.       339.      339.   2590.90

   ELTRD
 2592.40

    0.65      2300.       38.      1861.       401.       0.27         2       205.
 2593.03       0.0        69.       406.       203.       0.04         0    2591.60
   10.33       0.0       0.56       4.59       1.98       0.71   2593.31    2586.60
 0.001417     0.048      0.080      0.045      0.080      0.0      -0.00     404.40
            2582.70       30.        30.        30.       123.       82.     609.01      58.

*SECNO .650
   RACCOON CREEK                  50 YEAR FLOOD       08/01/81
   MILE        Q         QLOB      QCH       QROB       HV        ITRIAL     TOPWID
   ELEV        CRIWS     ALOB      ACH       AROB       DHV       IDC        BANK ELEV
   DEPTH       WSELK     VLOB      VCH       VROB       HL        EG      LEFT/RIGHT
   SLOPE       WTN       XNL       XNCH      XNR        OLOSS     CORAR      SSTA
               ELMIN     XLOBL     XLCH      XLOBR      WSDL      WSDR       ENDST      VOL

    0.65      2300.       43.      1507.       750.       0.29         0       206.
 2593.04       0.0        70.       296.       314.       0.02         0    2591.60
   10.34       0.0       0.62       5.09       2.39       0.02   2593.33    2585.70
 0.001714     0.048      0.080      0.045      0.030      0.01     -0.00     403.53
            2582.70       10.        10.        10.       116.       90.     609.33      58.

*SECNO .820

3301 HV CHANGED MORE THAN HVINS

   RACCOON CREEK                  50 YEAR FLOOD       08/01/81
   MILE        Q         QLOB      QCH       QROB       HV        ITRIAL     TOPWID
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   ELEV        CRIWS     ALOB      ACH       AROB       DHV       IDC        BANK ELEV
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ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	QLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL
7185 MINIMUM SPECIFIC ENERGY								
3720 CRITICAL DEPTH ASSUMED								
0.82	2300.	160.	1283.	858.	0.82	8	376.	
2595.81	2595.81	66.	134.	420.	0.53	13	2590.00	
9.41	0.0	2.42	9.55	2.04	2.38	2596.63	2591.00	
0.005378	0.046	0.074	0.040	0.074	0.26	-0.00	157.27	
	2586.40	850.	850.	850.	51.	326.	533.52	71.
*SECNO .820								
*** GR CARDS REPEATED								
3301 HV CHANGED MORE THAN HVINS								
0.82	1500.	118.	637.	745.	0.13	3	394.	
2596.66	0.0	107.	149.	690.	-0.69	0	2590.00	
10.26	0.0	1.11	4.26	1.08	0.09	2596.79	2591.00	
0.000926	0.046	0.074	0.040	0.074	0.07	-0.00	144.52	
	2586.40	40.	40.	40.	63.	330.	538.25	72.
SPECIAL BRIDGE								
SB	HK	XKOR	COPQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	15.00	0.01	95.00	0.0
ELCHU	ELCHD							
2586.70	2586.70							
*SECNO .820								
*** GR CARDS REPEATED								
6870 D.S. ENERGY OF 2596.79 HIGHER THAN COMPUTED ENERGY OF 2596.77								
PRESSURE AND WEIR FLOW								
EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC	
2602.85	2596.79	0.00	1292.	199.	95.	94.	2593.00	
ELTRD								
2594.00								
0.82	1500.	118.	636.	745.	0.13	2	394.	
2596.66	0.0	107.	150.	691.	-0.00	0	2590.00	
10.26	0.0	1.11	4.26	1.08	0.0	2596.79	2591.00	
0.000924	0.046	0.074	0.040	0.074	0.0	-0.00	144.48	
	2586.40	30.	30.	30.	64.	330.	538.27	72.
*SECNO .820								
*** GR CARDS REPEATED								
0.82	1500.	119.	635.	747.	0.13	0	394.	
2596.67	0.0	107.	150.	694.	-0.00	0	2590.00	

10.27	0.0	1.10	4.24	1.08	0.01	2596.80	

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      10.27       0.0        1.10       4.24       1.08       0.01    2596.80    2591.00
   0.000916       0.046      0.074      0.040      0.074      0.00      -0.00     144.35
               2586.40      10.        10.        10.        64.       330.      538.31        73.

*SECNO .950

3301 HV CHANGED MORE THAN HVINS

    RACCOON CREEK                      50 YEAR FLOOD         08/01/81
     MILE        Q          QLOB       QCH        QROB       HV         ITRIAL     TOPWID
     ELEV        CRIWS      ALOB       ACH        AROB       DHV        IDC        BANK ELEV
     DEPTH       WSELK      VLOB       VCH        VROB       HL         EG      LEFT/RIGHT
     SLOPE       WTN        XNL        XNCH       XNR        OLOSS      CORAR      SSTA
                 ELMIN      XLOBL      XLCH       XLOBR      WSDL       WSDR       ENDST       VOL

       0.95      1480.        31.      1420.        28.       0.80          2        71.
    2597.50       0.0         20.       193.        21.       0.68          0    2595.40
       8.30       0.0        1.59       7.34       1.36       1.17    2598.30    2596.40
   0.005328       0.046      0.080      0.045      0.080      0.34      -0.00      85.76
               2589.20       640.       640.       640.        33.        39.     157.10        81.

*SECNO 1.140

3301 HV CHANGED MORE THAN HVINS

       1.14      1440.       617.       528.       295.       0.20          4       199.
    2603.14       0.0        369.        96.       150.      -0.60          0    2600.30
       6.94       0.0        1.67       5.50       1.97       4.99    2603.35    2598.00
   0.002300       0.044      0.085      0.040      0.085      0.06      -0.00     270.73
               2596.20      1480.      1480.      1480.       143.        55.     469.46        96.

*SECNO 1.400

3301 HV CHANGED MORE THAN HVINS

    RACCOON CREEK                      50 YEAR FLOOD         08/01/81
     MILE        Q          QLOB       QCH        QROB       HV         ITRIAL     TOPWID
     ELEV        CRIWS      ALOB       ACH        AROB       DHV        IDC        BANK ELEV
     DEPTH       WSELK      VLOB       VCH        VROB       HL         EG      LEFT/RIGHT
     SLOPE       WTN        XNL        XNCH       XNR        OLOSS      CORAR      SSTA
                 ELMIN      XLOBL      XLCH       XLOBR      WSDL       WSDR       ENDST       VOL

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
       1.40      1390.        83.       953.       354.       0.84         20       224.
    2609.86    2609.86        31.       109.       232.       0.63          6    2606.10
       6.86       0.0        2.68       8.78       1.53       2.23    2610.70    2607.00
   0.006521       0.044      0.080      0.040      0.095      0.32      -0.00     195.75
               2603.00       620.       620.       620.        24.       200.     420.03       103.

*SECNO 1.400

*** GR CARDS REPEATED
       1.40      1390.        95.       811.       483.       0.42          3       272.
    2610.50       0.0         55.       121.       354.      -0.42          0    2606.10
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       7.50       0.0
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      7.50       0.0       1.74       6.70       1.36       0.18   2610.92    2607.00
  0.003278      0.044     0.080      0.040      0.095      0.04     -0.00     156.65
              2603.00       40.        40.        40.        63.      209.     428.65       103.

 SPECIAL BRIDGE

 SB    HK        XKOR      COFQ      RDLEN       BWC        BWP      BAREA        SS
      1.25       1.60      3.00       0.0      15.00       0.01     126.00      0.79
    ELCHU      ELCHD
   2603.30    2603.30

 *SECNO 1.400

 *** GR CARDS REPEATED
 PRESSURE AND WEIR FLOW

     EGPRS      EGLWC        H3      QWEIR        QPR      BAREA      TAREA       ELLC
   2611.37    2611.13      0.00      647.       744.       126.       126.    2609.60

     ELTRD
   2609.50

      1.40      1390.      120.       695.       575.       0.22          2       286.
   2611.15       0.0        92.       134.       488.      -0.20          0    2606.10
      8.15       0.0       1.31       5.18       1.18       0.45   2611.37    2607.00
  0.001706      0.044     0.080      0.040      0.095       0.0      -0.00     152.16
              2603.00       30.        30.        30.        68.      218.     437.68       104.

 *SECNO 1.400

 *** GR CARDS REPEATED
     RACCOON CREEK                   50 YEAR FLOOD              08/01/81
     MILE       Q          QLOB      QCH        QROB       HV         ITRIAL     TOPWID
     ELEV       CRIWS      ALOB      ACH        AROB       DHV        IDC        BANK ELEV
     DEPTH      WSELK      VLOB      VCH        VROB       HL         EG      LEFT/RIGHT
     SLOPE      WTN        XNL       XNCH       XNR        OLOSS      CORAR      SSTA
                ELMIN      XLOBL     XLCH       XLOBR      WSDL       WSDR       ENDST       VOL

      1.40      1390.      121.       692.       577.       0.21          0       286.
   2611.17       0.0        93.       135.       493.      -0.00          0    2606.10
      8.17       0.0       1.30       5.14       1.17       0.02   2611.38    2607.00
  0.001671      0.044     0.080      0.040      0.095       0.00     -0.00     152.00
              2603.00       10.        10.        10.        68.      218.     437.90       104.

 *SECNO 1.500
      1.50      1340.      315.       650.       375.       0.59          3       130.
   2612.58       0.0        98.        79.       113.       0.38          0    2610.20
      6.18       0.0       3.21       8.21       3.31       1.60   2613.18    2610.20
  0.006953      0.044     0.060      0.040      0.060       0.19     -0.00     279.72
              2606.40      500.       580.       500.        63.       67.     409.65       110.

 *SECNO 1.690
      1.69      1340.      104.       440.       796.       0.27                 351.
   2619.94    2619.68       52.        69.       320.      -0.32         14    2618.90
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      4.64       0.0       2.01       6.39
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:02

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      4.64      0.0       2.01      6.39      2.49      7.00   2620.21   2618.40
 0.006280     0.043     0.060     0.040     0.060     0.03     -0.00    277.06
           2615.30     1060.     1060.     1060.       63.      288.    627.60      119.

*SECNO 1.910

3265 DIVIDED FLOW

     RACCOON CREEK                 50 YEAR FLOOD       08/01/81
    MILE      Q         QLOB      QCH       QROB      HV        ITRIAL    TOPWID
    ELEV      CRIWS     ALOB      ACH       AROB      DHV       IDC       BANK ELEV
    DEPTH     WSELK     VLOB      VCH       VROB      HL        EG     LEFT/RIGHT
    SLOPE     WTN       XNL       XNCH      XNR       OLOSS     CORAR     SSTA
              ELMIN     XLOBL     XLCH      XLOBR     WSDL      WSDR      ENDST      VOL

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
      1.91      1300.      439.      776.       85.      0.67        10      277.
   2629.21   2629.21      182.       94.       55.      0.40         8   2625.60
      5.21      0.0       2.41      8.30      1.54      8.49   2629.89   2626.70
 0.011964     0.044     0.080     0.050     0.095     0.20     -0.00    315.71
           2624.00     1010.     1010.     1010.      187.       99.    601.65      128.

*SECNO 1.910

*** GR CARDS REPEATED
      1.91     1300.      562.      583.      154.      0.22         3      299.
   2629.96      C.0      315.      110.      123.     -0.45         0   2625.60
      5.96      0.0       1.79      5.30      1.26      0.25   2630.18   2626.70
 0.003936     0.044     0.080     0.050     0.095     0.03     -0.00    307.96
           2624.00       40.       40.       40.      195.      104.    607.40      128.

SPECIAL BRIDGE

SB    HK        XKOR      COFQ      RDLEN     BWC       BWP       BAREA     SS
      1.25      1.60      3.00      0.0      13.00      0.01     52.00      0.0
    ELCHU     ELCHD
   2623.70   2623.70

*SECNO 1.910

*** GR CARDS REPEATED
     RACCOON CREEK                 50 YEAR FLOOD       08/01/81
    MILE      Q         QLOB      QCH       QROB      HV        ITRIAL    TOPWID
    ELEV      CRIWS     ALOB      ACH       AROB      DHV       IDC       BANK ELEV
    DEPTH     WSELK     VLOB      VCH       VROB      HL        EG     LEFT/RIGHT
    SLOPE     WTN       XNL       XNCH      XNR       OLOSS     CORAR     SSTA
              ELMIN     XLOBL     XLCH      XLOBR     WSDL      WSDR      ENDST      VOL

PRESSURE AND WEIR FLOW

     EGPRS     EGLWC        H3     QWEIR       QPR     BAREA     TAREA      ELLC
   2645.49   2630.18      0.00     1133.      168.       52.       51.   2627.60

     ELTRD
   2627.80
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1.91	1300.	569.	572.	159.	0.20	2	301.	
2630.02	0.0	326.	111.	128.	-0.02	0	2625.60	
6.02	0.0	1.75	5.14	1.24	0.04	2630.22	2626.70	
0.003639	0.044	0.080	0.050	0.095	0.0	-0.00	307.35	
	2624.00	30.	30.	30.	196.	105.	607.86	128.

*SECNO 1.910

1.91	1300.	525.	595.	183.	0.22	1	237.	
2630.16	0.0	265.	114.	142.	0.01	0	2625.60	
6.16	0.0	1.98	5.18	1.29	0.14	2630.37	2626.70	
0.003566	0.044	0.080	0.050	0.095	0.01	-0.00	372.09	
	2624.00	40.	40.	40.	131.	106.	608.93	129.

*SECNO 2.100

RACCOON CREEK 50 YEAR FLOOD 08/01/81

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

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

2.10	1300.	0.	529.	771.	0.47	10	266.	
2635.86	2635.86	0.	69.	245.	0.25	14	2635.70	
4.36	0.0	0.01	7.69	3.15	5.71	2636.32	2635.80	
0.014180	0.044	0.120	0.045	0.060	0.12	-0.00	76.47	
	2631.50	880.	880.	940.	12.	254.	342.37	138.

*SECNO 2.200

*** GR CARDS REPEATED

2.20	1300.	2.	308.	990.	0.06	6	317.	
2637.83	0.0	5.	103.	638.	-0.40	0	2636.20	
5.83	0.0	0.37	3.00	1.55	1.53	2637.89	2636.30	
0.001259	0.044	0.120	0.045	0.060	0.04	-0.00	71.40	
	2632.00	540.	540.	500.	17.	300.	388.64	144.

*SECNO 2.250

3301 HV CHANGED MORE THAN HVINS

RACCOON CREEK 50 YEAR FLOOD 08/01/81

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

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

2.25	1300.	0.	782.	518.	0.60	20	272.	
2640.55	2640.55	0.	101.	211.	0.54	8	2640.70	

6.25	0.0	0.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

6.25	0.0	0.0	7.75	2.46	0.56	2641.15	2640.50	
0.010786	0.044	0.120	0.045	0.060	0.27	-0.00	324.32	
	2634.30	200.	200.	200.	13.	259.	596.26	146.

*SECNO 2.250

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

RACCOON CREEK 50 YEAR FLOOD 08/01/81

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

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

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 2642.50 ELREA= 2642.50

2.25	1300.	0.	1300.	0.	2.17	20	26.	
2640.90	2640.90	0.	110.	0.	1.58	8	2640.70	
6.60	0.0	0.0	11.83	0.0	0.61	2643.07	2640.50	
0.022817	0.044	0.120	0.045	0.060	0.79	0.0	324.00	
	2634.30	40.	40.	40.	13.	13.	350.00	146.

SPECIAL BRIDGE

SB	XK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	7.00	0.01	50.00	0.0

ELCHU	ELCHD
2635.20	2635.20

*SECNO 2.250

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2657.69	2643.07	0.03	584.	717.	50.	52.	2642.60

ELTRD
2644.80

2.25	1300.	24.	218.	1058.	0.01	0	482.	
2646.00	0.0	150.	243.	2001.	-2.17	0	2640.70	
11.70	0.0	0.16	0.90	0.53	2.94	2646.01	2640.50	
0.000046	0.044	0.120	0.045	0.060	0.0	-0.00	267.33	
	2634.30	30.	30.	30.	70.	412.	749.25	147.

C03

```
*SECNO 2.250

*** GR CARDS REPEATED
      2.25     1300.       24.      218.     1058.     0.01         2      482.
   2646.00      0.0       150.      243.     1999.     0.00         0  2640.70
     11.70      0.0       0.16      0.90      0.53     0.00   2646.01  2640.50
  0.000046    0.044      0.120     0.045     0.060     0.00     -0.00   267.39
           2634.30         10.       10.       10.      70.       412.  749.11      148.
```

D03

THIS RUN EXECUTED 08/01/81 8:21:32

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED JULY1979
  ERROR CORR -  01,02,03
  MODIFICATION -  50,51,52,53,54
**************************************************

T1      WAYNESVILLE NC                                                  1615
T2      100 YEAR FLOOD                                                  1620
T3      RACCOON CREEK                                                   1625

J1  ICHECK    INQ    NINV    IDIR    STRT  METRIC   HVINS      Q      WSEL    FQ
          0.     4.      0.      0. 0.00440      0.     0.0      0.     0.0     0.0   1630

J2  NPROF   IPLOT   PRFVS   XSECV   XSECH      FN   ALLDC     IBW   CHNIM ITRACE
          3.     0.     -1.     0.      0.     0.0     0.0      0.      0.      0.   1635
```

```
*PROF 3

CCHV= 0.100 CEHV= 0.500
*SECNO .160
2096 WSEL NOT GIVEN,AVG OF MAX,MIN USED
    RACCOON CREEK                100 YEAR FLOOD      08/01/81
   MILE        Q          QLOB        QCH         QROB        HV          ITRIAL      TOPWID
   ELEV        CRIWS      ALOB        ACH         AROB        DHV         IDC         BANK ELEV
   DEPTH       WSELK      VLOB        VCH         VROB        HL          EG      LEFT/RIGHT
   SLOPE       WTN        XNL         XNCH        XNR         OLOSS       CORAR       SSTA
               ELMIN      XLOBL       XLCH        XLOBR       WSDL        WSDR        ENDST       VOL

     0.16      2800.       332.       1824.       644.        0.79           0         135.
  2577.80       0.0        158.        210.       334.        0.50           0      2568.80
    10.50       0.0        2.10        8.70       1.93        0.0      2578.59      2570.80
 0.004385       0.0       0.130       0.050      0.140        0.0       -0.00        69.22
             2567.30          0.          0.         0.         46.         88.      203.85          0.

*SECNO .160

*** GR CARDS REPEATED
     0.16      2800.       341.       1796.       663.        0.72           2         136.
  2578.05       0.0        167.        215.       353.       -0.07           0      2568.80
    10.75       0.0        2.04        8.36       1.88        0.17     2578.76      2570.80
 0.003923       0.049      0.130       0.050      0.140        0.01      -0.00        68.90
             2567.30          40.        40.        40.         47.         89.      204.61          1.

*SECNO .160

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3370 NORMAL BRIDGE,NRD= 6 MIN ELTRD= 2587.70 MAX ELLC= 2585.50

     0.16      2800.          0.      2800.          0.       0.16           2         126.
  2578.66       0.0           0.       874.          0.      -0.56           0      2582.80
    10.26       0.0           0.0      3.21          0.0      0.00     2578.82      2583.20
 0.003348       0.048      0.130       0.050      0.140        0.06      -0.00        80.08
             2568.40          1.         1.         1.         73.         68.      221.57          1.

*SECNO .160

*** GR CARDS REPEATED

3265 DIVIDED FLOW

3370 NORMAL BRIDGE,NRD= 6 MIN ELTRD= 2587.70 MAX ELLC= 2585.50

     0.16      2800.          0.      2800.          0.       0.15           0         127.
  2578.77       0.0           0.       887.          0.      -0.00           0      2582.80
    10.37       0.0           0.0      3.16          0.0      0.10     2578.92      2583.20
 0.003227       0.048      0.130       0.050      0.140        0.00      -0.00        79.93
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             2568.40          30.        30.        30.         74.         48.      224.34          -
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F03

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             2568.40       30.       30.       30.       74.       68.   221.74         1.

*SECNO .160
    RACCOON CREEK                       100 YEAR FLOOD          08/01/81
    MILE         Q          QLOB       QCH        QROB       HV         ITRIAL     TOPWID
    ELEV         CRIWS      ALOB       ACH        AROB       DHV        IDC        BANK ELEV
    DEPTH        WSELK      VLOB       VCH        VROB       HL         EG      LEFT/RIGHT
    SLOPE        WTN        XNL        XNCH       XNR        OLOSS      CORPR      SSTA
                 ELMIN      XLOBL      XLCH       XLOBR      WSDL       WSDR       ENDST       VOL

        0.16     2800.       358.      1741.       701.      0.60          2       138.
     2578.55      0.0        185.       225.       393.      0.44          0    2568.80
       11.25      0.0        1.93       7.73       1.79      0.00    2579.14    2570.80
    0.003144      0.047      0.130      0.050      0.140     0.22      -0.00      68.24
                2567.30        1.         1.         1.       47.        91.     206.18         1.

*SECNO .160

*** GR CARDS REPEATED
        0.16     2800.       358.      1738.       703.      0.59          0       138.
     2578.59      0.0        186.       226.       395.     -0.01          0    2568.80
       11.29      0.0        1.92       7.69       1.78      0.03    2579.18    2570.80
    0.003103      0.047      0.130      0.050      0.140     0.00      -0.00      68.20
                2567.30       10.        10.        10.       47.        91.     206.27         1.

*SECNO .210
        0.21     2800.       227.      2317.       256.      1.07          2       138.
     2579.04      0.0        106.       255.       153.      0.48          0    2574.40
       10.34      0.0        2.15       9.09       1.67      0.70    2580.11    2576.10
    0.006585      0.049      0.130      0.050      0.130     0.24      -0.00      55.19
                2568.70      160.       160.       160.       54.        84.     193.39         4.

*SECNO .210

*** GR CARDS REPEATED
        0.21     2800.       251.      2239.       310.      0.86          2       146.
     2579.57      0.0        127.       271.       190.     -0.22          0    2574.40
       10.87      0.0        1.97       8.25       1.63      0.29    2580.42    2576.10
    0.005000      0.049      0.130      0.050      0.130     0.02      -0.00      50.63
                2568.70       50.        50.        50.       59.        87.     196.95         5.

SPECIAL BRIDGE

SB    HK         XKOR       COFQ       RDLEN      BWC        BWP        BAREA      SS
        1.25       1.60     3.00       0.0        12.00      0.01       68.00     0.0
      ELCHU      ELCHD
     2568.00    2568.00

*SECNO .210

*** GR CARDS REPEATED
6870 D.S. ENERGY OF 2580.42 HIGHER THAN COMPUTED ENERGY OF 2560.36
PRESSURE AND WEIR FLOW
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G03

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      EGPRS      EGLWC        H3     QWEIR       QPR      BAREA      TAREA
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EGPRS	EGLWC	M3	QWEIR	QPR	BAREA	TAREA	ELLC
2621.69	2580.42	0.00	2442.	385.	68.	67.	2573.60

ELTRD
2574.50

0.21	2800.	250.	2240.	310.	0.86	3	146.
2579.56	0.0	127.	271.	189.	0.00	0	2574.40
10.86	0.0	1.97	8.26	1.63	0.0	2580.42	2576.10
0.005016	0.049	0.130	0.050	0.130	0.0	-0.00	50.68
	2568.70	30.	30.	30.	59.	87.	196.91

*SECNO .210

*** GR CARDS REPEATED

RACCOON CREEK 100 YEAR FLOOD 08/01/81

MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL
0.21	2800.	254.	2229.	317.	0.83	2	147.	
2579.64	0.0	131.	273.	195.	-0.03	0	2574.40	
10.94	0.0	1.94	8.15	1.63	0.05	2580.47	2576.10	
0.004823	0.049	0.130	0.050	0.130	0.00	-0.00	50.02	
	2568.70	10.	10.	10.	59.	88.	197.43	5.

*SECNO .260

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

RACCOON CREEK 100 YEAR FLOOD 08/01/81

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

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

0.26	2800.	318.	2269.	213.	2.49	20	115.	
2581.75	2581.75	102.	162.	90.	1.66	8	2574.00	
11.35	0.0	3.11	14.00	2.37	0.69	2504.24	2573.20	
0.014066	0.050	0.140	0.055	0.130	0.83	-0.00	557.65	
	2570.40	90.	90.	90.	45.	151.	754.29	6.

*SECNO .260

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

```
     0.26     2800.      483.     1744.      373.      0.76         5       298.
  2584.00      0.0       299.      198.      378.     -1.73         0    2574.00
    13.61      0.0       1.62      8.80      1.52      0.35   2584.77    2573.20
 0.004253     0.050     0.140     0.055     0.130      0.17     -0.00     458.25
            2570.40       50.       50.       50.      143.      153.     755.98          7.

  SPECIAL BRIDGE

  SB     MK       XKOR      COFQ     RDLEN       BWC       BWP     BAREA        SS
        1.25       1.60      3.00      0.0      32.00      0.01    272.00       0.0
    ELCHU     ELCHD
  2570.50   2570.50

 *SECNO .260
  PRESS FLOW BECAUSE EGLWC OF    2584.77   EXCEEDS 1.5 DEPTH
 6870 D.S. ENERGY OF 2584.77 HIGHER THAN COMPUTED ENERGY OF 2584.40

 3301 HV CHANGED MORE THAN HVINS

 PRESSURE AND WEIR FLOW

    EGPRS     EGLWC        H3     QWEIR       QPR     BAREA     TAREA      ELLC
  2586.64   2584.77      0.00     1723.     1080.      272.      272.   2579.00

    ELTRD
  2578.80

     0.26     2800.     1518.      495.      786.      0.01         2       419.
  2584.75      0.0      1914.      338.     1016.     -0.75         0    2574.00
    14.35      0.0       0.79      1.47      0.77      0.0    2584.77    2574.20
 0.000107     0.050     0.080     0.055     0.080      0.0      -0.00     337.66
            2570.40       30.       30.       30.      272.      147.     756.54          8.

 *SECNO .260

 *** GR CARDS REPEATED
     0.26     2800.     1518.      495.      786.      0.01         2       419.
  2584.76      0.0      1915.      338.     1017.     -0.00         0    2574.00
    14.36      0.0       0.79      1.47      0.77      0.01   2584.77    2574.20
 0.000107     0.051     0.080     0.055     0.080      0.00     -0.00     337.57
            2570.40       50.       50.       50.      272.      147.     756.54         12.

 *SECNO .400
     RACCOON CREEK                100 YEAR FLOOD        08/01/81
    MILE      Q         QLOB      QCH       QROB      HV        ITRIAL    TOPWID
    ELEV      CRIWS     ALOB      ACH       AROB      DHV       IDC       BANK ELEV
    DEPTH     WSELK     VLOB      VCH       VROB      HL        EG     LEFT/RIGHT
    SLOPE     WTN       XNL       XNCH      XNR       OLOSS     CORAR     SSTA
              ELMIN     XLOBL     XLCH      XLOBR     WSDL      WSDR      ENDST       VOL

     0.40     2800.      820.     1165.      815.      0.17         0       322.
  2584.83      0.0       624.      239.      520.      0.16         0    2580.00
    11.63      0.0       1.31      4.88      1.57      0.15   2585.00    2579.00
 0.001339     0.048     0.100     0.045     0.100      0.08     -0.00     405.93
```

2573.20	580.	580.	580.	197.	126.	728.05	43.

*SECNO .460

3301 HV CHANGED MORE THAN HVINS

0.46	2800.	20.	2733.	47.	1.16	1	59.
2585.08	0.0	13.	312.	26.	0.99	0	2580.00
9.08	0.0	1.55	8.75	1.82	0.74	2586.24	2580.00
0.004969	0.047	0.100	0.045	0.100	0.49	-0.00	41.62
	2576.00	320.	320.	320.	27.	31.	100.28

49.

*SECNO .500

0.50	2800.	109.	2627.	64.	1.57	2	54.
2586.73	0.0	45.	254.	30.	0.41	0	2580.00
9.53	0.0	2.40	10.36	2.13	1.85	2588.30	2581.00
0.006002	0.047	0.100	0.045	0.100	0.20	-0.00	36.54
	2577.20	340.	340.	340.	28.	25.	90.47

52.

*SECNO .520

3301 HV CHANGED MORE THAN HVINS

0.52	2800.	252.	2333.	215.	2.24	2	52.
2586.97	0.0	68.	179.	59.	0.67	0	2579.10
9.07	0.0	3.72	13.07	3.67	0.58	2589.22	2579.10
0.009091	0.047	0.100	0.045	0.100	0.34	-0.00	37.45
	2577.90	80.	80.	80.	27.	25.	89.64

53.

*SECNO .520

3301 HV CHANGED MORE THAN HVINS

0.52	2800.	392.	1900.	508.	1.17	11	72.
2588.48	0.0	119.	185.	152.	-1.07	0	2578.70
9.88	0.0	3.30	10.30	3.34	0.32	2589.65	2580.20
0.007160	0.047	0.120	0.055	0.120	0.11	-0.00	79.50
	2578.60	40.	40.	40.	33.	39.	151.21

53.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	16.00	0.01	166.00	0.0

ELCHU	ELCHD
2577.90	2577.90

*SECNO .520

*** 3R CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

RACCOON CREEK 100 YEAR FLOOD 08/01/81

MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID

ELEV	CRIWS	ALOB	ACH	AROB	DHV	TRC	RANK PLOT

ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	HTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2595.54	2592.06	0.00	650.	2151.	166.	166.	2588.30

ELTRD
2591.60

0.52	2800.	531.	1611.	658.	0.38	2	181.	
2592.27	0.0	275.	257.	323.	-0.79	0	2578.70	
13.67	0.0	1.93	6.28	2.04	3.00	2392.65	2580.20	
0.001420	0.047	0.100	0.050	0.100	0.0	-0.00	21.64	
	2578.60	30.	30.	30.	91.	90.	202.18	53.

*SECNO .520

0.52	2800.	351.	1955.	494.	0.35	2	148.	
2592.35	0.0	223.	350.	259.	-0.02	0	2580.60	
13.95	0.0	1.57	5.59	1.91	0.05	2592.70	2580.20	
0.001159	0.047	0.100	0.050	0.100	0.00	-0.00	26.59	
	2578.40	40.	40.	40.	85.	62.	174.12	54.

*SECNO .650

0.65	2800.	236.	1687.	877.	0.23	2	352.	
2593.41	0.0	264.	357.	489.	-0.13	0	2590.40	
11.91	0.0	0.89	4.73	1.79	0.92	2593.64	2584.50	
0.001421	0.048	0.100	0.050	0.100	0.01	-0.00	349.07	
	2581.50	720.	720.	720.	170.	182.	701.28	70.

*SECNO .650

0.65	2800.	220.	2072.	509.	0.21	1	359.	
2593.48	0.0	273.	496.	362.	-0.02	0	2590.40	
11.98	0.0	0.80	4.18	1.40	0.05	2593.69	2585.40	
0.001112	0.048	0.100	0.050	0.100	0.00	-0.00	343.40	
	2581.50	40.	40.	40.	184.	174.	701.98	71.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	22.00	2.00	339.00	2.60
	ELCHU	ELCHD						
	2582.70	2582.70						

*SECNO .650

*** GR CARDS REPEATED
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2595.17	2593.70	0.02	945.	1880.	339.	339.	2590.90

ELTRD
2592.40

0.65	2800.	152.	2129.	519.	0.27	2	263.	
2593.98	0.0	176.	458.	265.	0.06	0	2591.60	
11.28	0.0	0.87	4.65	1.96	0.56	2594.24	2586.60	
0.001242	0.048	0.080	0.045	0.080	0.0	-0.00	370.74	
	2582.70	30.	30.	30.	157.	106.	633.33	72.

*SECNO .650

RACCOON CREEK			100 YEAR FLOOD		08/01/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL
0.65	2800.	169.	1707.	925.	0.28	0	263.	
2593.98	0.0	177.	333.	391.	0.01	0	2591.60	
11.28	0.0	0.95	5.13	2.37	0.01	2594.26	2585.70	
0.001489	0.048	0.080	0.045	0.080	0.01	-0.00	370.38	
	2582.70	10.	10.	10.	149.	114.	633.66	72.

*SECNO .820

3301 HV CHANGED MORE THAN HVINS

RACCOON CREEK			100 YEAR FLOOD		08/01/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

0.82	2800.	203.	1425.	1171.	0.87	5	382.	
2596.08	2596.08	78.	139.	505.	0.60	9	2590.00	
9.68	0.0	2.62	10.25	2.32	2.24	2596.95	2591.00	
0.005910	0.048	0.074	0.040	0.074	0.30	-0.00	153.26	
	2586.40	850.	850.	850.	55.	327.	535.01	88.

*SECNO .820

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

0.82	1900.	156.	739.	1005.	0.15	3	400.	
2596.97	0.0	124.	155.	791.	-0.72	0	2590.00	
10.57	0.0	1.25	4.77	1.27	0.19	2597.12	2591.00	
0.001104	0.046	0.074	0.040	0.074	0.07	-0.00	139.83	
	2586.40	40.	40.	40.	68.	332.	539.99	89.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BHC	BHP	BAREA	SS
	1.25	1.60	3.00	0.0	15.00	0.01	95.00	0.0

ELCHU	ELCHD
2586.70	2586.70

*SECNO .820

*** GR CARDS REPEATED
6870 D.S. ENERGY OF 2597.12 HIGHER THAN COMPUTED ENERGY OF 2597.10
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2606.91	2597.12	0.00	1686.	217.	95.	94.	2593.00

ELTRD
2594.00

0.82	1900.	156.	739.	1005.	0.15	2	400.	
2596.97	0.0	125.	155.	792.	-0.00	0	2590.00	
10.57	0.0	1.25	4.76	1.27	0.0	2597.12	2591.00	
0.001101	0.046	0.074	0.040	0.074	0.0	-0.00	139.78	
	2586.40	30.	30.	30.	68.	332.	540.01	89.

*SECNO .820

*** GR CARDS REPEATED

0.82	1900.	156.	737.	1007.	0.15	0	400.	
2596.98	0.0	125.	155.	795.	-0.00	0	2590.00	
10.58	0.0	1.25	4.74	1.27	0.01	2597.13	2591.00	
0.001090	0.046	0.074	0.040	0.074	0.00	-0.00	139.62	
	2586.40	10.	10.	10.	68.	332.	540.07	90.

*SECNO .950

3301 HV CHANGED MORE THAN HVINS

RACCOON CREEK			100 YEAR FLOOD		08/01/8?			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSOL	WSDR	ENDST	VOL
0.95	1860.	56.	1748.	56.	1.04	2	75.	
2597.92	0.0	27.	208.	31.	0.89	0	2595.40	
8.72	0.0	2.08	8.42	1.81	1.39	2598.96	2596.40	
0.006382	0.046	0.080	0.045	0.080	0.44	-0.00	84.69	
	2589.20	640.	640.	640.	34.	41.	159.48	100.

*SECNO 1.140

3301 HV CHANGED MORE THAN HVINS

1.14 1810 830

```
      1.14      1810.       839.       597.       374.       0.20          3      205.
   2603.84       0.0        462.       107.       184.      -0.84          0   2600.30
      7.64       0.0        1.82       5.59       2.04       4.99    2604.04   2598.00
  0.002056      0.044      0.085      0.040      0.085       0.08      -0.00    267.32
              2596.20      1480.      1480.      1480.       147.        58.    472.57      117.

 *SECNO 1.400

 3301 HV CHANGED MORE THAN HVINS

    RACCOON CREEK                100 YEAR FLOOD       08/01/81
   MILE       Q          QLOB       QCH        QROB       HV         ITRIAL     TOPWID
   ELEV       CRIWS      ALOB       ACH        AROB       DHV        IDC        BANK ELEV
   DEPTH      WSELK      VLOB       VCH        VROB       HL         EG       LEFT/RIGHT
   SLOPE      WTN        XNL        XNCH       XNR        OLOSS      CORAR      SSTA
              ELMIN      XLOBL      XLCH       XLOBR      WSDL       WSDR       ENDST     VOL

 3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED
      1.40      1740.       110.      1082.       548.       0.86         20      267.
   2610.24    2610.24        42.       116.       305.       0.66         10   2606.10
      7.24       0.0        2.62       9.31       1.80       2.09    2611.10   2607.00
  0.006699      0.044      0.080      0.040      0.095       0.33      -0.00    158.34
              2603.00       620.       620.       620.        62.       205.    425.26      126.

 *SECNO 1.400

 *** GR CARDS REPEATED
      1.40      1740.       138.       924.       678.       0.44          3      280.
   2610.89       0.0         76.       129.       433.      -0.42          0   2606.10
      7.89       0.0        1.80       7.17       1.57       0.19    2611.33   2607.00
  0.003455      0.044      0.080      0.040      0.095       0.04      -0.00    153.99
              2603.00        40.        40.        40.        66.       214.    434.00      126.


 SPECIAL BRIDGE

 SB     HK         XKOR       COFQ       RDLEN      BWC        BWP        BAREA      SS
      1.25       1.60       3.00        0.0      15.00       0.01     126.00      0.79
    ELCHU      ELCHD
   2603.30    2603.30

 *SECNO 1.400

 *** GR CARDS REPEATED
 PRESSURE AND WEIR FLOW

     EGPRS      EGLWC         H3      QWEIR        QPR      BAREA      TAREA      ELLC
   2611.72    2611.49       0.00      1015.       730.       126.       126.   2609.60

     ELTRD
   2609.50


      1.40      1740.       165.       815.       761.       0.26          2      292.
   2611.46       0.0        110.       141.       554.      -0.18          0   2606.10
```

8.46	0.0	1.49	5.79	1.37	0.39	2611.72	2607.00	
0.002010	0.044	0.080	0.040	0.095	0.0	-0.00	150.00	
	2603.00	30.	30.	30.	70.	222.	442.00	127.

*SECNO 1.400

*** GR CARDS REPEATED

RACCOON CREEK 100 YEAR FLOOD 08/01/81

MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL
1.40	1740.	166.	811.	763.	0.26	0	292.	
2611.49	0.0	112.	141.	559.	-0.01	0	2606.10	
8.49	0.0	1.49	5.75	1.37	0.02	2611.74	2607.00	
0.001970	0.044	0.080	0.040	0.095	0.00	-0.00	149.85	
	2603.00	10.	10.	10.	70.	222.	442.32	127.

*SECNO 1.500

1.50	1660.	431.	721.	508.	0.58	3	138.	
2613.05	0.0	125.	86.	142.	0.32	0	2610.20	
6.65	0.0	3.45	8.38	3.57	1.73	2613.63	2610.20	
0.006432	0.044	0.060	0.040	0.060	0.16	-0.00	274.92	
	2606.40	500.	580.	500.	68.	71.	413.41	134.

*SECNO 1.690

1.69	1660.	142.	491.	1026.	0.28	13	381.	
2620.16	2619.84	64.	73.	384.	-0.30	18	2618.90	
4.86	0.0	2.23	6.70	2.67	6.78	2620.44	2618.40	
0.006359	0.043	0.060	0.040	0.060	0.03	-0.00	273.47	
	2615.30	1060.	1060.	1060.	67.	314.	654.21	144.

*SECNO 1.910

3265 DIVIDED FLOW

RACCOON CREEK 100 YEAR FLOOD 08/01/81

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

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

1.91	1600.	604.	857.	139.	0.66	7	287.	
2629.48	2629.48	227.	99.	79.	0.38	8	2625.60	
5.48	0.0	2.66	8.62	1.76	8.53	2630.14	2626.70	
0.011911	0.044	0.080	0.050	0.095	0.19	-0.00	312.95	
	2624.00	1010.	1010.	1010.	190.	101.	603.69	155.

*SECNO 1.910

*** GR CARDS REPEATED

*** GR CARDS REPEATED

1.91	1600.	727.	661.	212.	0.24	2	304.	
2630.21	0.0	382.	116.	147.	-0.42	0	2625.60	
6.29	0.0	2.01	5.72	1.44	0.27	2630.45	2626.70	
0.004276	0.044	0.080	0.050	0.095	0.04	-0.00	305.29	
	2624.00	40.	40.	40.	198.	106.	609.38	155.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	13.00	0.01	52.00	0.0

ELCHU	ELCHD
2623.70	2623.70

*SECNO 1.910

*** GR CARDS REPEATED

RACCOON CREEK 100 YEAR FLOOD 08701781

MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRIWS	FLOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2653.73	2630.45	0.00	1437.	174.	52.	51.	2627.60

ELTRD
2627.80

1.91	1600.	732.	652.	216.	0.23	2	305.	
2630.26	0.0	371.	117.	151.	-0.01	0	2625.60	
6.26	0.0	1.97	5.59	1.42	0.04	2630.49	2626.70	
0.004047	0.044	0.080	0.050	0.095	0.0	-0.00	304.83	
	2624.00	30.	30.	30.	198.	107.	609.72	156.

*SECNO 1.910

1.91	1600.	665.	686.	249.	0.26	1	239.	
2630.41	0.0	296.	120.	166.	0.03	0	2625.60	
6.41	0.0	2.25	5.71	1.50	0.16	2630.67	2626.70	
0.004066	0.044	0.080	0.050	0.095	0.01	-0.00	371.78	
	2624.00	40.	40.	40.	131.	108.	610.90	156.

*SECNO 2.100

2.10	1600.	0.	561.	1039.	0.41	12	276.	
2636.15	2636.02	0.	76.	318.	0.15	14	2635.70	
4.65	0.0	0.48	7.43	3.27	5.82	2636.56	2635.80	
0.011678	0.044	0.120	0.045	0.060	0.08	-0.00	75.46	
	2631.50	880.	880.	940.	13.	263.	351.55	167.

*SECNO 2.200

*** GR CARDS REPEATED

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*** GR CARDS REPEATED
     2.20     1600.         3.       357.      1240.       0.07          4      326.
  2638.10      0.0          6.       109.       716.      -0.34          0   2636.20
     6.10      0.0        0.44       3.28       1.73       1.58    2633.17   2634.30
 0.001397     0.044      0.120      0.045      0.060       0.03      -0.00     70.50
            2632.00       540.       540.       500.        18.       308.    396.89       174.

*SECNO 2.250

3301 HV CHANGED MORE THAN HVINS

    RACCOON CREEK                 100 YEAR FLOOD          08/01/81
   MILE       Q          QLOB       QCH        QROB       HV         ITRIAL     TOPWID
   ELEV       CRIWS      ALOB       ACH        AROB       DHV        IDC        BANK ELEV
   DEPTH      WSELK      VLOB       VCH        VROB       HL         EG      LEFT/RIGHT
   SLOPE      WTN        XNL        XNCH       XNR        OLOSS      CORAR      SSTA
              ELMIN      XLOBL      XLCH       XLOBR      WSDL       WSDR       ENDST      VOL

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
     2.25     1600.         0.       851.       749.       0.58         20      283.
  2640.78   2640.78         0.       107.       268.       0.51          9   2640.70
     6.48      0.0        0.01       7.96       2.79       0.60    2641.36   2640.50
 0.010732     0.044      0.120      0.045      0.060       0.25        0.0    323.14
            2634.30       200.       200.       200.        14.       269.    606.01       177.

*SECNO 2.250

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

    RACCOON CREEK                 100 YEAR FLOOD          08/01/81
   MILE       Q          QLOB       QCH        QROB       HV         ITRIAL     TOPWID
   ELEV       CRIWS      ALOB       ACH        AROB       DHV        IDC        BANK ELEV
   DEPTH      WSELK      VLOB       VCH        VROB       HL         EG      LEFT/RIGHT
   SLOPE      WTN        XNL        XNCH       XNR        OLOSS      CORAR      SSTA
              ELMIN      XLOBL      XLCH       XLOBR      WSDL       WSDR       ENDST      VOL

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

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=      2642.50 ELREA=      2642.50

     2.25     1600.         0.      1600.         0.       2.47         20       26.
  2641.55   2641.55         0.       127.         0.       1.89          8   2640.70
     7.25      0.0         0.0      12.61        0.0       0.59    2644.02   2640.50
 0.021381     0.044      0.120      0.045      0.060       0.94        0.0    324.00
            2634.30        40.        40.        40.        13.        13.    350.00       177.


SPECIAL BRIDGE

SB     HK         XKOR       COFQ       RDLEN      BWC        BWP        BAREA      SS
     1.25         1.60       3.00       0.0        7.00       0.01       50.00      0.0
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   ELCHU     ELCHD
 2635.20   2635.20

*SECNO 2.250

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

PRESSURE AND WEIR FLOW

     EGPRS     EGLWC        H3     QWEIR       QPR     BAREA     TAREA      ELLC
   2666.99   2644.02      0.04      918.      693.       50.       52.   2642.60

     ELTRD
   2644.80


      2.25      1600.       32.       260.      1309.     0.01         0      493.
   2646.32       0.0       169.       251.      2131.    -2.46         0   2640.70
     12.02       0.0       0.19       1.03      0.61     2.31   2646.33   2640.50
  0.000058     0.044      0.120      0.045     0.060      0.0     -0.00   263.91
              2634.30        30.        30.        30.      73.      420.   757.38      178.

*SECNO 2.250

*** GR CARDS REPEATED
      2.25      1600.       32.       260.      1308.     0.01         2      493.
   2646.32       0.0       169.       251.      2128.     0.00         0   2640.70
     12.02       0.0       0.19       1.04      0.61     0.00   2646.33   2640.50
  0.000058     0.044      0.120      0.045     0.060     0.00     -0.00   263.98
              2634.30        10.        10.        10.      73.      420.   757.20      178.
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E04

THIS RUN EXECUTED 08/01/81 8:21:41

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED JULY1979
  ERROR CORR -  01,02,03
  MODIFICATION -  50,51,52,53,54
**************************************************

T1      WAYNESVILLE NC                                                  1640
T2      500 YEAR FLOOD                                                  1645
T3      RACCOON CREEK                                                   1650

J1  ICHECK     INQ    NINV    IDIR    STRT  METRIC   HVINS      Q      WSEL     FQ
          0.      5.      0.      0. 0.00440      0.     0.0      0.     0.0     0.0  1655
J2  NPROF   IPLOT   PRFVS   XSECV   XSECH      FN   ALLOC      IBW  CHNIM ITRACE
         15.     0.     -1.     0.      0.     0.0     0.0      0.     0.     0.     0.  1660
```

F04

*PROF 4

CCHV= 0.100 CEHV= 0.500

*SECNO .160

2096 WSEL NOT GIVEN,AVG OF MAX,MIN USED

RACCOON CREEK 500 YEAR FLOOD 08/01/81

MILE ELEV DEPTH SLOPE	Q CRIWS WSELK WTN ELMIN	QLOB ALOB VLOB XNL XLOBL	QCH ACH VCH XNCH XLCH	QROB AROB VROB XNR XLOBR	HV DHV HL OLOSS WSDL	ITRIAL IDC EG CORAR WSDR	TOPWID BANK ELEV LEFT/RIGHT SSTA ENDST	VOL
0.16	4035.	556.	2376.	1103.	0.89	0	142.	
2579.55	0.0	223.	246.	474.	0.50	0	2568.80	
12.25	0.0	2.50	9.64	2.33	0.0	2580.43	2570.80	
0.004347	0.0	0.130	0.050	0.140	0.0	-0.00	66.91	
	2567.30	0.	0.	0.	49.	94.	209.30	0.

*SECNO .160

*** GR CARDS REPEATED

0.16	4035.	565.	2348.	1122.	0.82	2	143.	
2579.78	0.0	232.	251.	494.	-0.06	0	2568.80	
12.48	0.0	2.34	9.34	2.27	0.17	2580.61	2570.80	
0.003974	0.049	0	0.050	0.140	0.01	-0.00	66.60	
	2567.30	40.	40.	40.	49.	95.	210.03	1.

*SECNO .160

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3370 NORMAL BRIDGE,NRD= 6 MIN ELTRD= 2587.70 MAX ELLC= 2585.50

0.16	4035.	0.	4035.	0.	0.21	2	132.	
2580.47	0.0	0.	1107.	0.	-0.62	0	2582.80	
12.07	0.0	0.0	3.65	0.0	0.00	2580.67	2583.20	
0.003926	0.048	0.130	0.050	0.140	0.06	-0.00	77.43	
	2568.40	1.	1.	1.	76.	71.	224.47	1.

*SECNO .160

*** GR CARDS REPEATED

3265 DIVIDED FLOW

3370 NORMAL BRIDGE,NRD= 6 MIN ELTRD= 2587.70 MAX ELLC= 2585.50

0.16	4035.	0.	4035.	0.	0.20	0	132.
2580.59	0.0	0.	1122.	0.	-0.01	0	2582.80
12.19	0.0	0.0	3.60	0.0	0.12	2580.79	2583.20
0.003798	0.048	0.130	0.050	0.140	0.00	-0.00	77.26

2568.40 30. 30. 30. [illegible]

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               2568.40      30.      30.      30.      76.      71.    224.65        2.

*SECNO .160
    RACCOON CREEK                        500 YEAR FLOOD          08701781
   MILE       Q          QLOB        QCH        QROB        HV          ITRIAL     TOPWID
   ELEV       CRIWS      ALOB        ACH        AROB        DHV         IDC        BANK ELEV
   DEPTH      WSELK      VLOB        VCH        VROB        HL          EG       LEFT/RIGHT
   SLOPE      WTN        XNL         XNCH       XNR         OLOSS       CORAR      SSTA
              ELMIN      XLOBL       XLCH       XLOBR       WSDL        WSDR       ENDST        VOL

     0.16     4035.       584.      2286.      1165.       0.70          2        146.
  2580.34      0.0        253.       263.       542.       0.50          0     2568.80
    13.04      0.0        2.30       8.69       2.15       0.00    2581.04     2570.80
 0.003735     0.047      0.130      0.050      0.140       0.25      -0.00       65.86
           2567.30         1.         1.         1.        50.        96.      211.78        2.

*SECNO .160

*** GR CARDS REPEATED
     0.16     4035.       585.      2282.      1168.       0.69          0        146.
  2580.38      0.0        255.       264.       544.      -0.01          0     2568.80
    13.08      0.0        2.30       8.65       2.14       0.03    2581.07     2570.80
 0.003196     0.047      0.130      0.050      0.140       0.00      -0.00       65.81
           2567.30        10.        10.        10.        50.        96.      211.88        2.

*SECNO .210
     0.21     4030.       439.      2977.       613.       1.07          2        166.
  2580.86      0.0        190.       311.       288.       0.38          0     2574.40
    12.16      0.0        2.31       9.57       2.13       0.66    2581.93     2576.10
 0.005598     0.049      0.130      0.050      0.130       0.19      -0.00       39.73
           2568.70       160.       160.       160.        70.        96.      205.60        5.

*SECNO .210

*** GR CARDS REPEATED
     0.21     4030.       469.      2900.       661.       0.91          2        171.
  2581.28      0.0        214.       324.       323.      -0.16          0     2574.40
    12.58      0.0        2.19       8.94       2.05       0.25    2582.20     2576.10
 0.004619     0.049      0.130      0.050      0.130       0.02      -0.00       37.65
           2568.70        50.        50.        50.        72.        99.      208.50        6.

SPECIAL BRIDGE

SB     HK         XKOR       COFQ       RDLEN       BWC        BWP        BAREA        SS
      1.25        1.60       3.00       0.0        12.00       0.01       68.00        0.0
   ELCHU      ELCHD
  2568.00    2568.00

*SECNO .210

*** GR CARDS REPEATED
6870 D.S. ENERGY OF 2582.20 HIGHER THAN COMPUTED ENERGY OF 2581.97
PRESSURE AND WEIR FLOW
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EGPRS	EGLWC	M3	QWEIR	QPR	BAREA	TAREA	EL
2668.55	2582.20	0.00	3645.	357.	68.	67.	2573.60

ELFRD
2574.50

0.21	4030.	469.	2901.	661.	0.91	3	171.	
2581.28	0.0	214.	324.	323.	0.00	0	2574.40	
12.58	0.0	2.19	8.94	2.05	0.0	2582.20	2576.10	
0.004624	0.049	0.130	0.050	0.130	0.0	-0.00	37.67	
	2568.70	30.	30.	30.	72.	99.	208.48	7.

*SECNO .210

*** GR CARDS REPEATED

RACCOON CREEK 500 YEAR FLOOD 08/01/81

MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL
0.21	4030.	473.	2888.	668.	0.89	2	172.	
2581.35	0.0	218.	327.	329.	-0.02	0	2574.40	
12.65	0.0	2.17	8.85	2.03	0.05	2582.24	2576.10	
0.004485	0.049	0.130	0.050	0.130	0.00	-0.00	37.33	
	2568.70	10.	10.	10.	72.	99.	208.95	7.

*SECNO .260

3301 HV CHANGED MORE THAN HVINS

RACCOON CREEK 500 YEAR FLOOD 08/01/81

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

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

0.26	4025.	664.	2597.	764.	1.82	20	287.	
2583.76	2583.76	266.	194.	342.	0.93	8	2574.00	
13.36	0.0	2.50	15.37	2.23	0.58	2585.58	2573.20	
0.010086	0.050	0.140	0.055	0.130	0.47	-0.00	469.17	
	2570.40	90.	90.	90.	134.	153.	755.80	9.

*SECNO .260

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

0.26	4025.	850.	2115.	1060.	0.80	4	352.
2585.22	0.0	495.	217.	553.	-1.03	0	2574.00

14.82	0.0	1.72	9.72	1.92	0.33	2586.01	2573.20	
0.004589	0.050	0.140	0.055	0.130	0.10	-0.00	405.32	
	2570.40	50.	50.	50.	198.	154.	756.80	10.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	32.00	0.01	272.00	0.0

ELCHU	ELCHD
2570.50	2570.50

*SECNO .260
PRESS FLOW BECAUSE EGLWC OF 2586.01 EXCEEDS 1.5 DEPTH
6870 D.S. ENERGY OF 2586.01 HIGHER THAN COMPUTED ENERGY OF 2585.61

3301 KV CHANGED MORE THAN HVINS

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2590.66	2585.01	0.00	2958.	1077.	272.	272.	2579.00

ELTRD
2578.80

0.26	4025.	2215.	660.	1150.	0.02	2	436.	
2585.99	0.0	2245.	369.	1183.	-0.78	0	2574.00	
15.59	0.0	0.99	1.79	0.97	0.0	2586.01	2574.20	
0.000142	0.050	0.080	0.055	0.080	0.0	-0.00	321.28	
	2570.40	30.	30.	30.	268.	148.	757.47	12.

*SECNO .240

*SECNO .260

*** GR CARDS REPEATED

0.26	4025.	2215.	660.	1150.	0.02	2	436.	
2586.00	0.0	2247.	369.	1184.	-0.00	0	2574.00	
15.60	0.0	0.99	1.79	0.97	0.01	2586.02	2574.20	
0.000142	0.051	0.080	0.055	0.080	0.00	-0.00	321.19	
	2570.40	50.	50.	50.	288.	148.	757.47	16.

*SECNO .400

RACCOON CREEK			500 YEAR FLOOD		08/01/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL
0.40	4000.	1361.	1440.	1199.	0.19	2	376.	
2586.10	0.0	887.	271.	670.	0.16	0	2580.00	
12.90	0.0	1.53	5.32	1.79	0.19	2586.[illegible]	2579.00	
0.001343	0.048	0.100	0.045	0.100	0.08	-0.00	359.82	
	2573.20	580.	560.	580.	243.	133.	735.51	54.

*SECNO .460

*SECNO .460

3301 HV CHANGED MORE THAN HVINS

0.46	4000.	50.	3853.	96.	1.75	2	84.	
2586.13	0.0	31.	357.	39.	1.56	0	2580.00	
10.13	0.0	1.64	10.80	2.42	0.81	2587.88	2580.00	
0.006337	0.047	0.100	0.045	0.100	0.78	-0.00	20.91	
	2576.00	320.	320.	320.	48.	36.	104.52	62.

*SECNO .500

0.50	4000.	196.	3679.	125.	2.21	2	59.	
2588.16	0.0	67.	297.	47.	0.46	0	2580.00	
10.96	0.0	2.94	12.40	2.66	2.26	2590.37	2581.00	
0.006982	0.047	0.100	0.045	0.100	0.23	-0.00	33.68	
	2577.20	340.	340.	340.	31.	28.	93.09	65.

*SECNO .520

3301 HV CHANGED MORE THAN HVINS

0.52	4000.	410.	3237.	353.	3.09	2	58.	
2588.40	0.0	93.	208.	81.	0.88	0	2579.10	
10.50	0.0	4.40	15.53	4.35	0.68	2591.48	2579.00	
0.010446	0.047	0.100	0.045	0.100	0.44	-0.00	34.60	
	2577.90	80.	80.	80.	30.	28.	92.25	66.

*SECNO .520

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

0.52	4000.	640.	2552.	809.	1.34	4	88.	
2590.64	0.0	176.	226.	221.	-1.74	0	2578.70	
12.04	0.0	3.63	11.31	3.66	0.33	2591.98	2580.20	
0.006619	0.047	0.120	0.055	0.120	0.17	-0.00	26.21	
	2578.60	40.	40.	40.	86.	44.	156.60	66.

SPECIAL BRIDGE

SR	HK	XKOR	COEQ	RDLEN	BWC	CWP	BAREA	SS
	1.25	1.60	3.00	0.0	16.00	0.01	166.00	0.0

ELCHU	ELCHD
2577.90	2577.90

*SECNO .520

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

RACCOON CREEK 500 YEAR FLOOD 08/01/81

MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID

ELEV	CRIWS	ALOB	ACH	AROB	DHV	VOL	CHNL FLOW

K04

ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2605.07	2595.53	0.00	2103.	1917.	166.	166.	2588.30

ELTRD
2591.60

0.52	4000.	840.	2145.	1015.	0.53	2	106.	
2593.42	0.0	371.	278.	417.	-0.81	0	2578.70	
14.82	0.0	2.26	7.70	2.44	1.97	2593.95	2580.20	
0.001915	0.047	0.100	0.050	0.100	0.0	-0.00	18.41	
	2578.60	30.	30.	30.	94.	92.	204.54	67.

*SECNO .520

0.52	4000.	592.	2655.	753.	0.53	2	149.	
2593.49	0.0	307.	379.	315.	-0.00	0	2580.60	
15.09	0.0	1.93	7.00	2.39	0.07	2594.02	2580.20	
0.001627	0.047	0.100	0.050	0.100	0.00	-0.00	25.90	
	2578.40	40.	40.	40.	86.	63.	17.53	68.

*SECNO .650

0.65	4000.	629.	2058.	1313.	0.22	2	467.	
2594.88	0.0	578.	414.	740.	-0.31	0	2590.40	
13.38	0.0	1.09	4.97	1.77	1.04	2595.09	2584.50	
0.001289	0.048	0.100	0.050	0.100	0.03	-0.00	250.98	
	2581.50	720.	720.	720.	269.	199.	718.35	90.

*SECNO .650

0.65	4000.	584.	2573.	844.	0.21	0	469.	
2594.93	0.0	592.	576.	590.	-0.01	0	2590.40	
13.43	0.0	0.99	4.46	1.43	0.05	2595.14	2585.40	
0.001038	0.048	0.100	0.050	0.100	0.00	-0.00	250.37	
	2581.50	40.	40.	40.	277.	192.	719.02	92.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	22.00	2.00	339.00	2.60

ELCHU	ELCHD
2582.70	2582.70

*SECNO .650

*** GR CARDS REPEATED
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2598.39	2595.16	0.02	2479.	1521.	339.	339.	2590.90

L04

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  ELTRD
 2592.40

   0.65     4000.       427.      2741.       831.      0.31          2      407.
 2595.12     0.0        355.       521.       431.      0.10          0   2591.60
   12.42     0.0        1.21       5.26       1.93      0.29    2595.43    2586.60
0.001238    0.048      0.080      0.045      0.080      0.0       -0.00     300.54
          2582.70       30.        30.        30.       227.       180.     707.28        93.

*SECNO .650
    RACCOON CREEK                500 YEAR FLOOD        08/01/81
  MILE       Q          QLOB       QCH        QROB      HV         ITRIAL     TOPWID
  ELEV       CRIWS      ALOB       ACH        AROB      DHV        IDC        BANK ELEV
  DEPTH      WSELK      VLOB       VCH        VROB      HL         EG     LEFT/RIGHT
  SLOPE      WTN        XNL        XNCH       XNR       OLOSS      CORAR      SSTA
             ELMIN      XLOBL      XLCH       XLOBR     WSDL       WSDR       ENDST       VOL

   0.65     4000.       467.      2168.      1365.      0.31          0      408.
 2595.14     0.0        356.       378.       576.      0.00          0   2591.60
   12.44     0.0        1.31       5.74       2.37      0.01    2595.45    2585.70
0.001578    0.048      0.080      0.045      0.080      0.00      -0.00     299.63
          2582 70       10.        10.        10.       220.       188.     707.39        93.

*SECNO .820
   0.82     4000.       334.      1508.      2159.      0.60          3      403.
 2597.09     0.0        132.       157.       829.      0.29          0   2590.00
   10.69     0.0        2.53       9.59       2.60      2.10    2597.69    2591.00
0.004386    0.046      0.074      0.040      0.074      0.15      -0.00     138.02
          2586.40      850.       850.       850.        70.       333.     540.66       117.

*SECNO .820

*** GR CARDS REPEATED
   0.82     2700.       241.       886.      1573.      0.17          3      415.
 2597.66     0.0        169.       168.      1017.     -0.44          0   2590.00
   11.26     0.0        1.42       5.29       1.55      0.09    2597.83    2591.00
0.001224    0.046      0.074      0.040      0.074      0.04      -0.00     129.36
          2586.40       40.        40.        40.        79.       336.     543.88       118.


SPECIAL BRIDGE

SB   HK        XKOR       COFQ      RDLEN      BWC        BWP       BAREA       SS
   1.25      1.60       3.00       0.0      15.00       0.01      95.00      0.0
  ELCHU     ELCHD
 2586.70   2586.70

*SECNO .820

*** GR CARDS REPEATED
6870 D.S. ENERGY OF 2597.83 HIGHER THAN COMPUTED ENERGY OF 2597.82
PRESSURE AND WEIR FLOW

    EGPRS     EGLWC        H3      QWEIR       QPR       BAREA      TAREA       ELLC
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2617.73	2597.83	0.00	2441.	239.	95.	94.	2593.00	

ELTRD
2594.00

0.82	2700.	241.	885.	1573.	0.17	2	415.	
2597.66	0.0	169.	168.	1017.	-0.00	0	2590.00	
11.26	0.0	1.42	5.28	1.55	0.0	2597.83	2591.00	
0.001223	0.046	0.074	0.040	0.074	0.0	-0.00	129.54	
	2583.40	30.	30.	30.	79.	336.	543.89	119.

*SECNO .820

*** GR CARDS REPEATED

0.82	2700.	241.	883.	1575.	0.17	0	415.	
2597.68	0.0	170.	168.	1021.	-0.00	0	2590.00	
11.28	0.0	1.42	5.26	1.54	0.01	2597.84	2591.00	
0.001212	0.043	0.074	0.040	0.074	0.00	-0.00	129.17	
	2586.40	10.	10.	10.	79.	336.	543.95	119.

*SECNO .950

3301 HV CHANGED MORE THAN HVINS

RACCOON CREEK			500 YEAR FLOOD		08/01/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL
0.95	2660.	116.	2415.	128.	1.56	2	80.	
2598.61	0.0	39.	230.	49.	1.40	0	2595.40	
0.41	0.0	2.95	10.49	2.62	1.63	2600.17	2596.40	
0.008639	0.046	0.080	0.045	0.080	0.70	-0.00	82.98	
	2589.20	640.	640.	640.	36.	45.	163.27	132.

*SECNO 1.140

3301 HV CHANGED MORE THAN HVINS

1.14	2610.	1328.	738.	544.	0.19	3	254.	
2605.10	0.0	366.	127.	251.	-1.37	0	2600.30	
8.90	0.0	1.99	5.81	2.17	4.99	2605.29	2598.00	
0.001762	0.044	0.085	0.040	0.085	0.14	-0.00	224.27	
	2596.20	1480.	1480.	1480.	190.	64.	477.78	155.

*SECNO 1.400

3301 HV CHANGED MORE THAN HVINS

RACCOON CREEK			500 YEAR FLOOD		08/01/81		
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT

SLOPE	WTN ELMIN	XNL XLOBL	XNCH XLCH	XNR XLOBR	QLOSS WSDL	CORAR WSDR	SSTA ENDST	VOL
3685 20 TRIALS ATTEMPTED WSEL,CWSEL								
3693 PROBABLE MINIMUM SPECIFIC ENERGY								
3720 CRITICAL DEPTH ASSUMED								
1.40	2540.	194.	1380.	966.	1.04	20	278.	
2610.78	2610.78	71.	127.	413.	0.84	9	2606.10	
7.78	0.0	2.74	10.87	2.34	2.01	2611.82	2607.00	
0.008106	0.044	0.080	0.040	0.095	0.42	-0.00	154.65	
	2603.00	620.	620.	620.	65.	213.	432.67	167.
*SECNO 1.400								
*** GR CARDS REPEATED								
3301 HV CHANGED MORE THAN HVINS								
1.40	2540.	249.	1159.	1132.	0.50	4	295.	
2611.60	0.0	118.	143.	582.	-0.54	0	2606.10	
8.60	0.0	2.11	8.10	1.95	0.22	2612.09	2607.00	
0.003831	0.044	0.080	0.040	0.095	0.05	-0.00	149.13	
	2603.00	40.	40.	40.	71.	224.	443.76	167.
SPECIAL BRIDGE								
5227 DOWNSTREAM ELEV IS 2611.37 ,NOT 2611.59 HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)								
SB 1.25	MK 1.60	XKOR 3.00	COFQ 0.0	RDLEN 15.00	BWC 0.01	BWP 126.00	BAREA 0.79	SS
ELCHU 2603.30	ELCHD 2603.30							
*SECNO 1.400								
*** GR CARDS REPEATED								
PRESSURE AND WEIR FLOW								
EGPRS 2612.37	EGLWC 2612.14	H3 0.00	QWEIR 1838.	QPR 704.	BAREA 126.	TAREA 126.	ELLC 2609.60	
ELTRD 2609.50								
1.40	2540.	275.	1071.	1194.	0.34	2	303.	
2612.01	0.0	145.	152.	674.	-0.14	0	2606.10	
9.01	0.0	1.90	7.04	1.77	0.28	2612.37	2607.00	
0.002696	0.044	0.080	0.040	0.095	0.0	-0.00	146.21	
	2603.00	30.	30.	30.	74.	230.	449.62	168.
*SECNO 1.400								
*** GR CARDS REPEATED								
RACCOON CREEK		500 YEAR FLOOD		08/01/81				

MILE	Q	QLOB	QCH	QROW	WV	STREAM	TRIBUTA

MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL
1.40	2540.	276.	1067.	1197.	0.35	0	304.	
2612.05	0.0	146.	152.	680.	-0.01	0	2606.10	
9.05	0.0	1.89	7.01	1.76	0.03	2612.40	2607.00	
0.002644	0.044	0.080	0.040	0.095	0.00	-0.00	146.04	
	2603.00	10.	10.	10.	74.	230.	449.98	168.
*SECNO 1.500								
1.50	2460.	727.	896.	837.	0.62	2	155.	
2613.95	0.0	183.	100.	202.	0.27	0	2610.20	
7.55	0.0	3.97	8.99	4.14	2.03	2614.57	2610.20	
0.006128	0.044	0.060	0.040	0.060	0.14	-0.00	265.74	
	2606.40	500.	580.	500.	77.	78.	420.59	177.
*SECNO 1.690								
1.69	2460.	244.	587.	1629.	0.28	6	423.	
2620.67	0.0	95.	84.	549.	-0.34	0	2618.90	
5.37	0.0	2.57	7.03	2.96	6.36	2620.96	2618.40	
0.005872	0.043	0.060	0.040	0.060	0.03	-0.00	265.08	
	2615.30	1040.	1060.	1060.	75.	348.	688.44	192.
*SECNO 1.910								
3301 HV CHANGED MORE THAN HVINS								

RACCOON CREEK 500 YEAR FLOOD 08/01/81

MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL
7185 MINIMUM SPECIFIC ENERGY								
3720 CRITICAL DEPTH ASSUMED								
1.91	2400.	1029.	1091.	280.	0.79	10	299.	
2629.93	2629.93	308.	109.	119.	0.51	8	2625.60	
5.93	0.0	3.35	10.00	2.34	8.72	2630.72	2626.70	
0.014133	0.044	0.080	0.050	0.095	0.25	-0.00	308.36	
	2624.00	1010.	1010.	1010.	195.	104.	607.11	206.
*SECNO 1.910								
*** GR CARDS REPEATED								
1.91	2400.	1175.	849.	376.	0.30	2	314.	
2630.78	0.0	471.	128.	203.	-0.49	0	2625.60	
6.78	0.0	2.50	6.62	1.85	0.31	2631.08	2626.70	
0.004993	0.044	0.080	0.050	0.095	0.05	-0.00	299.39	
	2624.00	40.	40.	40.	204.	111.	613.77	207.

SPECIAL BRIDGE

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	%AREA	SS
	1.25	1.60	3.00	0.0	13.00	0.01	52.00	0.0

ELCHU	ELCHD
2623.70	2623.70

*SECNO 1.910

*** GR CARDS REPEATED

RACCOON CREEK 500 YEAR FLOOD 08/01/81

MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTH	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL
1.91	2400.	1179.	842.	379.	0.29	2	315.	
2630.82	0.0	477.	129.	206.	-0.01	0	2625.60	
6.82	0.0	2.47	6.53	1.84	0.03	2631.10	2626.70	
0.004829	0.044	0.080	0.050	0.095	0.0	-0.00	299.06	
	2624.00	30.	30.	30.	204.	111.	614.01	207.

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2683.71	2631.08	0.00	2228.	187.	52.	51.	2627.50

ELTRD
2627.80

*SECNO 1.910

1.91	2400.	1045.	913.	442.	0.35	2	244.	
2630.99	0.0	364.	133.	223.	0.06	0	2625.60	
6.99	0.0	2.87	6.89	1.99	0.20	2631.34	2626.70	
0.005187	0.044	0.080	0.050	0.095	0.03	-0.00	371.08	
	2624.00	40.	40.	40.	132.	112.	615.26	208.

*SECNO 2.100

2.10	2400.	2.	649.	1749.	0.35	4	300.	
2636.84	0.0	2.	92.	500.	0.00	0	2635.70	
5.34	0.0	0.76	7.10	3.50	5.85	2637.19	2635.80	
0.008245	0.044	0.120	0.045	0.060	0.00	-0.00	73.08	
	2631.50	880.	880.	940.	15.	285.	373.29	222.

*SECNO 2.200

*** GR CARDS REPEATED

2.20	2400.	6.	473.	1921.	0.10	4	340.	
2638.71	0.0	11.	123.	900.	-0.25	0	2636.20	
6.71	0.0	0.57	3.85	2.13	1.59	2638.81	2636.30	
0.001634	0.044	0.120	0.045	0.060	0.02	-0.00	68.42	
	2632.00	540.	540.	500.	20.	320.	408.48	231.

*SECNO 2.250

3301 HV CHANGED MORE THAN HVINS

RACCOON CREEK			500 YEAR FLOOD		08/01/81		
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT
SLOPE	WTH	XNL	XNCH	XNR	OLOSS	CORAR	SSTA
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST VOL
3685 20 TRIALS ATTEMPTED WSEL,CWSEL							
3693 PROBABLE MINIMUM SPECIFIC ENERGY							
3720 CRITICAL DEPTH ASSUMED							
2.25	2400.	1.	1070.	1329.	0.69	20	300.
2641.16	2641.16	1.	117.	368.	0.59	9	2640.70
6.86	0.0	0.52	9.17	3.61	0.71	2641.85	2640.50
0.012645	0.044	0.120	0.045	0.060	0.30	-0.00	319.09
	2634.30	200.	200.	200.	18.	282.	618.65 235.

*SECNO 2.250

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

RACCOON CREEK			500 YEAR FLOOD		08/01/81		
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT
SLOPE	WTH	XNL	XNCH	XNR	OLOSS	CORAR	SSTA
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST VOL
3685 20 TRIALS ATTEMPTED WSEL,CWSEL							
3693 PROBABLE MINIMUM SPECIFIC ENERGY							
3720 CRITICAL DEPTH ASSUMED							
2.25	2400.	9.	693.	1698.	0.15	20	355.
2642.50	2642.50	17.	152.	757.	-0.55	19	2640.70
8.20	0.0	0.54	4.57	2.24	0.18	2642.65	2640.50
0.002217	0.044	0.120	0.045	0.060	0.05	-0.00	304.77
	2634.30	40.	40.	40.	32.	323.	660.18 235.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	7.00	0.01	50.00	0.0
ELCHU	ELCHD							
2635.20	2635.20							

*SECNO 2,250

*** GR CARDS REPEATED
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2699.74	2646.39	0.00	1746.	668.	50.	52.	2642.60

ELTRD

E05

2644.80

2.25	2400.	56.	369.	1976.	0.01	1	561.	
2646.93	0.0	218.	267.	2383.	-0.15	0	2640.70	
12.63	0.0	0.26	1.38	0.83	4.29	2646.94	2640.50	
0.000095	0.044	0.120	C.045	0.060	0.0	-0.00	211.76	
	2634.30	30.	30.	30.	125.	436.	772.79	237.

*SECNO 2.250

*** GR CARDS REPEATED

2.25	2400.	56.	369.	1976.	0.01	1	561.	
2646.93	0.0	218.	267.	2382.	0.00	0	2640.70	
12.63	0.0	0.26	1.38	0.83	0.00	2646.94	2640.50	
0.000095	0.044	0.120	0.045	0.060	0.00	-0.00	211.78	
	2634.30	10.	10.	10.	125.	436.	772.78	237.

F05

THIS RUN EXECUTED 08/01/81 8:21:49

****
HEC2 RELEASE DATED NOV 76 UPDATED JULY1979
ERROR CORR - 01,02,03
MODIFICATION - 50,51,52,53,54
****

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

'@******
RACCOON CREEK

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10K*S	VCH	AREA	.01K
0.160	0.	0.0	0.0	2567.3	1400.0	2575.26	0.0	2575.90	43.84	7.15	373.78	211.44
0.160	0.	0.0	0.0	2567.3	2300.0	2577.01	0.0	2577.74	43.59	8.20	596.03	348.36
0.160	0.	0.0	0.0	2567.3	2800.0	2577.80	0.0	2578.59	43.85	8.70	701.58	422.82
0.160	0.	0.0	0.0	2567.3	4035.0	2579.55	0.0	2580.43	43.47	9.64	943.42	611.96
0.160	40.	0.0	0.0	2567.3	1400.0	2575.51	0.0	2576.07	37.46	6.76	404.88	228.75
0.160	40.	0.0	0.0	2567.3	2300.0	2577.25	0.0	2577.91	38.56	7.85	628.11	370.41
0.160	40.	0.0	0.0	2567.3	2800.0	2578.05	0.0	2578.76	39.23	8.36	734.40	447.05
0.160	40.	0.0	0.0	2567.3	4035.0	2579.78	0.0	2580.61	39.74	9.34	977.06	640.07
0.160	1.	2587.7	2585.5	2568.4	1400.0	2576.02	0.0	2576.12	26.23	2.55	550.04	273.37
0.160	1.	2587.7	2585.5	2568.4	2300.0	2577.83	0.0	2577.97	30.78	2.99	769.62	414.59
0.160	1.	2587.7	2585.5	2568.4	2800.0	2578.66	0.0	2578.82	33.48	3.21	873.58	483.88
0.160	1.	2587.7	2585.5	2568.4	4035.0	2580.47	0.0	2580.67	39.26	3.65	1106.82	643.97
0.160	30.	2587.7	2585.5	2568.4	1400.0	2576.10	0.0	2576.20	25.[illegible]	2.50	560.17	279.70
0.160	30.	2587.7	2585.5	2568.4	2300.0	2577.93	0.0	2578.06	29.5[illegible]	2.94	782.17	422.88
0.160	30.	2587.7	2585.5	2568.4	2800.0	2578.77	0.0	2578.92	32.27	3.16	887.01	492.94
0.160	30.	2587.7	2585.5	2568.4	4035.0	2580.59	0.0	2580.79	37.98	3.60	1122.16	654.70
0.160	1.	0.0	0.0	2567.3	1400.0	2575.92	0.0	2576.38	29.23	6.18	456.58	258.94
0.160	1.	0.0	0.0	2567.3	2300.0	2577.72	0.0	2578.27	30.71	7.24	690.91	415.06
0.160	1.	0.0	0.0	2567.3	2800.0	2578.55	0.0	2579.14	31.44	7.73	803.14	499.33
0.160	1.	0.0	0.0	2567.3	4035.0	2580.34	0.0	2581.04	32.35	8.69	1058.07	709.45
0.160	10.	0.0	0.0	2567.3	1400.0	2575.96	0.0	2576.41	28.78	6.14	459.97	260.98
0.160	10.	0.0	0.0	2567.3	2300.0	2577.76	0.0	2578.30	30.29	7.20	694.88	417.94
0.160	10.	0.0	0.0	2567.3	2800.0	2578.59	0.0	2579.18	31.03	7.69	807.40	502.63
0.160	10.	0.0	0.0	2567.3	4035.0	2580.38	0.0	2581.07	31.96	8.65	1063.05	713.77
0.210	160.	0.0	0.0	2568.7	1400.0	2576.45	0.0	2577.35	79.00	7.73	212.80	157.51
0.210	160.	0.0	0.0	2568.7	2300.0	2578.21	0.0	2579.26	70.67	8.77	404.28	273.60
0.210	160.	0.0	0.0	2568.7	2800.0	2579.04	0.0	2580.11	65.85	9.09	513.60	345.04
0.210	160.	0.0	0.0	2568.7	4030.0	2580.86	0.0	2581.93	55.98	9.57	789.43	538.63
0.210	50.	0.0	0.0	2568.7	1400.0	2577.00	0.0	2577.69	54.99	6.87	265.54	188.80
0.210	50.	0.0	0.0	2568.7	2300.0	2578.78	0.0	2579.59	51.18	7.84	478.17	321.50
0.210	50.	0.0	0.0	2568.7	2800.0	2579.57	0.0	2580.42	50.00	8.25	588.59	395.97

0.210 50. 0.0 0.0

G05

0.210	50.	0.0	0.0	2568.7	4030.0	2581.28	0.0	2582.20	46.19	8.94	861.77	592.97

H05

H05

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10K*$	VCH	AREA	.01K
	0.210	30.	2574.5	2573.6	2568.7	1400.0	2577.47	0.0	2578.02	41.03	6.23	315.25	218.55
	0.210	30.	2574.5	2573.6	2568.7	2300.0	2578.77	0.0	2579.39	51.42	7.85	477.04	320.76
	0.210	30.	2574.5	2573.6	2568.7	2800.0	2579.56	0.0	2580.42	50.16	8.26	587.72	395.37
	0.210	30.	2574.5	2573.6	2568.7	4020.0	2581.28	0.0	2582.20	46.24	8.94	861.32	592.62
	0.210	10.	0.0	0.0	2568.7	1400.0	2577.52	0.0	2578.07	39.84	6.17	320.66	221.80
	0.210	10.	0.0	0.0	2568.7	2300.0	2578.85	0.0	2579.64	49.23	7.74	487.73	327.81
	0.210	10.	0.0	0.0	2568.7	2800.0	2579.64	0.0	2580.47	48.23	8.15	599.10	403.20
	0.210	10.	0.0	0.0	2568.7	4030.0	2581.35	0.0	2582.24	44.85	8.85	873.32	601.77
*	0.260	90.	0.0	0.0	2570.4	1400.0	2577.85	2577.85	2580.43	241.54	13.26	129.25	90.08
*	0.260	90.	0.0	0.0	2570.4	2300.0	2580.37	2580.37	2583.18	179.89	14.35	237.35	171.49
*	0.260	90.	0.0	0.0	2570.4	2800.0	2581.75	2581.75	2584.24	140.66	14.00	354.24	236.09
*	0.260	90.	0.0	0.0	2570.4	4025.0	2583.76	2583.76	2585.58	100.86	13.37	802.14	400.78
	0.260	50.	0.0	0.0	2570.4	1400.0	2580.03	0.0	2581.21	78.27	9.22	216.83	158.25
	0.260	50.	0.0	0.0	2570.4	2300.0	2582.78	0.0	2583.82	56.65	9.47	543.30	305.59
	0.260	50.	0.0	0.0	2570.4	2800.0	2584.00	0.0	2584.77	42.53	8.80	874.59	429.35
	0.260	50.	0.0	0.0	2570.4	4025.0	2585.22	0.0	2586.01	45.89	9.72	1265.43	594.17
	0.260	30.	2578.8	2579.0	2570.4	1400.0	2580.65	0.0	2581.21	28.69	5.96	234.90	261.35
	0.260	30.	2578.8	2579.0	2570.4	2300.0	2583.81	0.0	2583.82	1.05	1.38	2877.73	2245.18
	0.260	30.	2578.8	2579.0	2570.4	2800.0	2584.75	0.0	2584.77	1.07	1.47	3267.33	2704.32
	0.260	30.	2578.8	2579.0	2570.4	4025.0	2585.99	0.0	2586.01	1.42	1.79	3796.31	3374.52
	0.260	50.	0.0	0.0	2570.4	1400.0	2581.27	0.0	2581.28	1.29	1.32	1886.57	1232.11
	0.260	50.	0.0	0.0	2570.4	2300.0	2583.81	0.0	2583.83	1.05	1.38	2879.83	2247.52
	0.260	50.	0.0	0.0	2570.4	2800.0	2584.76	0.0	2584.77	1.07	1.47	3269.47	2706.93
	0.260	50.	0.0	0.0	2570.4	4025.0	2586.00	0.0	2586.02	1.42	1.79	3799.32	3378.42
*	0.400	580.	0.0	0.0	2573.2	1400.0	2581.37	0.0	2581.89	46.60	6.75	431.22	205.08
	0.400	580.	0.0	0.0	2573.2	2300.0	2583.88	0.0	2584.08	16.27	5.02	1090.05	570.19
	0.400	580.	0.0	0.0	2573.2	2800.0	2584.83	0.0	2585.00	13.39	4.88	1382.65	765.22
	0.400	580.	0.0	0.0	2573.2	4000.0	2586.10	0.0	2586.29	13.43	5.32	1827.07	1091.36
	0.460	320.	0.0	0.0	2576.0	1400.0	2582.76	0.0	2583.40	44.30	6.44	226.75	210.33
	0.460	320.	0.0	0.0	2576.0	2300.0	2584.32	0.0	2585.30	48.37	8.04	308.81	330.69
	0.460	320.	0.0	0.0	2576.0	2800.0	2585.08	0.0	2586.24	49.69	8.75	351.08	397.21
	0.460	320.	0.0	0.0	2576.0	4000.0	2586.13	0.0	2587.88	63.37	10.80	426.47	502.46
	0.500	340.	0.0	0.0	2577.2	1400.0	2584.26	0.0	2585.12	50.64	7.56	207.45	196.74
	0.500	340.	0.0	0.0	2577.2	2300.0	2585.93	0.0	2587.27	57.53	9.50	287.22	303.24
	0.500	340.	0.0	0.0	2577.2	2800.0	2586.73	0.0	2588.30	60.02	10.36	328.90	361.42
	0.500	340.	0.0	0.0	2577.2	4000.0	2588.16	0.0	2590.37	69.82	12.40	410.10	478.70
	0.520	80.	0.0	0.0	2577.9	1400.0	2584.55	0.0	2585.83	77.69	9.65	189.31	158.83
	0.520	80.	0.0	0.0	2577.9	2300.0	2586.20	0.0	2588.12	87.25	12.01	269.48	246.24
	0.520	80.	0.0	0.0	2577.9	2800.0	2586.97	0.0	2589.22	90.91	13.07	304.87	295.66
	0.520	80.	0.0	0.0	2577.9	4000.0	2588.40	0.0	2591.48	104.46	15.53	383.01	391.34
	0.520	40.	0.0	0.0	2578.6	1400.0	2584.34	2584.29	2587.06	247.99	13.23	105.85	88.90
*	0.520	40.	0.0	0.0	2578.6	2300.0	2586.47	2586.47	2590.31	228.02	15.73	146.21	122.31
	0.520	40.	0.0	0.0	2578.6	2800.0	2588.48	0.0	2589.65	71.60	10.30	455.25	330.91
	0.520	40.	0.0	0.0	2578.6	4000.0	2590.64	0.0	2591.98	66.19	11.31	622.46	491.67

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10K*S	VCH	AREA	.01K
	0.520	30.	2591.6	2588.3	2578.6	1400.0	2584.36	0.0	2587.06	202.54	13.18	106.22	98.37
*	0.520	30.	2591.6	2588.3	2578.6	2300.0	2589.11	0.0	2591.23	70.16	11.70	196.65	274.59
	0.520	30.	2591.6	2588.3	2578.6	2800.0	2592.27	0.0	2592.65	14.20	6.28	854.87	742.93
	0.520	30.	2591.6	2588.3	2578.6	4000.0	2593.42	0.0	2593.95	19.15	7.70	1066.32	914.09
	0.520	40.	0.0	0.0	2578.4	1400.0	2587.11	0.0	2587.48	20.21	5.32	365.37	311.43
	0.520	40.	0.0	0.0	2578.4	2300.0	2591.18	0.0	2591.51	11.53	5.25	674.99	677.42
	0.520	40.	0.0	0.0	2578.4	2800.0	2592.35	0.0	2592.70	11.59	5.59	831.53	822.65
	0.520	40.	0.0	0.0	2578.4	4000.0	2593.49	0.0	2594.02	16.27	7.00	1001.38	991.79
	0.650	720.	0.0	0.0	2581.5	1400.0	2589.12	0.0	2589.50	41.20	5.58	346.93	218.11
	0.650	720.	0.0	0.0	2581.5	2300.0	2592.27	0.0	2592.54	17.95	4.86	775.04	542.93
	0.650	720.	0.0	0.0	2581.5	2800.0	2593.41	0.0	2593.64	14.21	4.73	1110.19	742.66
	0.650	720.	0.0	0.0	2581.5	4000.0	2594.88	0.0	2595.09	12.89	4.97	1731.75	1114.27
	0.650	40.	0.0	0.0	2581.5	1400.0	2589.25	0.0	2589.69	38.53	5.29	264.71	225.56
	0.650	40.	0.0	0.0	2581.5	2300.0	2592.37	0.0	2592.60	13.59	4.24	796.56	623.95
	0.650	40.	0.0	0.0	2581.5	2800.0	2593.48	0.0	2593.69	11.12	4.18	1131.66	839.75
	0.650	40.	0.0	0.0	2581.5	4000.0	2594.93	0.0	2595.14	10.38	4.46	1758.93	1241.82
	0.650	30.	2592.4	2590.9	2582.7	1400.0	2589.32	0.0	2590.03	66.14	6.76	207.16	172.14
	0.650	30.	2592.4	2590.9	2582.7	2300.0	2593.03	0.0	2593.31	14.17	4.59	676.95	611.04
	0.650	30.	2592.4	2590.9	2582.7	2800.0	2593.98	0.0	2594.24	12.42	4.65	897.87	794.63
	0.650	30.	2592.4	2590.9	2582.7	4000.0	2595.12	0.0	2595.43	13.38	5.26	1305.91	1093.61
	0.650	10.	0.0	0.0	2582.7	1400.0	2589.56	0.0	2590.11	53.59	6.60	282.79	191.24
	0.650	10.	0.0	0.0	2582.7	2300.0	2593.04	0.0	2593.33	17.14	5.09	679.66	555.61
	0.650	10.	0.0	0.0	2582.7	2800.0	2593.98	0.0	2594.26	14.89	5.13	900.70	725.60
	0.650	10.	0.0	0.0	2582.7	4000.0	2595.14	0.0	2595.45	15.78	5.74	1309.85	1006.89
*	0.820	850.	0.0	0.0	2586.4	1400.0	2594.79	2594.79	2595.78	59.88	9.14	302.81	180.92
*	0.820	850.	0.0	0.0	2586.4	2300.0	2595.81	2595.81	2596.63	53.78	9.55	420.34	313.64
*	0.820	850.	0.0	0.0	2586.4	2800.0	2596.08	2596.08	2596.95	59.10	10.25	721.56	364.24
	0.820	850.	0.0	0.0	2586.4	4000.0	2597.09	0.0	2597.69	43.66	9.59	1118.34	603.96
	0.820	40.	0.0	0.0	2586.4	900.0	2595.83	0.0	2595.95	8.06	3.71	627.59	316.97
	0.820	40.	0.0	0.0	2586.4	1500.0	2596.66	0.0	2596.79	9.26	4.26	946.68	492.92
	0.820	40.	0.0	0.0	2586.4	1900.0	2596.97	0.0	2597.12	11.04	4.77	1070.23	571.80
	0.820	40.	0.0	0.0	2586.4	2700.0	2597.66	0.0	2597.83	12.24	5.28	1353.33	771.73
	0.820	30.	2594.0	2593.0	2586.4	900.0	2595.83	0.0	2595.95	8.02	3.70	629.24	317.76
	0.820	30.	2594.0	2593.0	2586.4	1500.0	2596.66	0.0	2596.79	9.24	4.26	947.63	493.51
	0.820	30.	2594.0	2593.0	2586.4	1900.0	2596.97	0.0	2597.12	11.01	4.76	1071.57	572.68
	0.820	30.	2594.0	2593.0	2586.4	2700.0	2597.66	0.0	2597.83	12.23	5.28	1353.98	772.20
	0.820	10.	0.0	0.0	2586.4	900.0	2595.84	0.0	2595.96	7.96	3.69	631.94	319.06
	0.820	10.	0.0	0.0	2586.4	1500.0	2596.67	0.0	2596.80	9.16	4.24	950.94	495.55
	0.820	10.	0.0	0.0	2586.4	1900.0	2596.98	0.0	2597.13	10.90	4.74	1075.67	575.38
	0.820	10.	0.0	0.0	2586.4	2700.0	2597.68	0.0	2597.84	12.12	5.26	1358.60	775.67
	0.950	640.	0.0	0.0	2589.2	890.0	2596.61	0.0	2597.06	35.50	5.37	174.87	149.38
	0.950	640.	0.0	0.0	2589.2	1480.0	2597.50	0.0	2598.30	53.28	7.34	234.21	202.76
	0.950	640.	0.0	0.0	2589.2	1850.0	2597.92	0.0	2598.96	63.82	8.42	265.50	232.84
	0.950	640.	0.0	0.0	2589.2	2660.0	2598.61	0.0	2600.17	86.39	10.49	318.50	286.18

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	1OK*S	VCH	AREA	.01K
	1.140	1480.	0.0	0.0	2596.2	870.0	2601.87	0.0	2602.12	32.77	5.59	367.74	151.98
	1.140	1480.	0.0	0.0	2596.2	1440.0	2603.14	0.0	2603.35	23.00	5.50	614.89	300.27
	1.140	1480.	0.0	0.0	2596.2	1810.0	2603.84	0.0	2604.04	20.56	5.59	752.52	399.19
	1.140	1480.	0.0	0.0	2596.2	2610.0	2605.10	0.0	2605.29	17.62	5.81	1043.68	621.76
*	1.400	620.	0.0	0.0	2603.0	850.0	2608.89	2608.89	2609.85	76.98	8.37	174.75	96.88
*	1.400	620.	0.0	0.0	2603.0	1390.0	2609.86	2609.86	2610.70	65.21	8.78	371.30	172.13
*	1.400	620.	0.0	0.0	2603.0	1740.0	2610.24	2610.24	2611.10	66.99	9.31	463.33	212.58
*	1.400	620.	0.0	0.0	2603.0	2540.0	2610.78	2610.78	2611.82	81.06	10.87	610.72	282.11
	1.400	40.	0.0	0.0	2603.0	850.0	2609.71	0.0	2610.08	29.06	5.75	337.40	157.68
	1.400	40.	0.0	0.0	2603.0	1390.0	2610.50	0.0	2610.92	32.78	6.70	530.16	242.77
	1.400	40.	0.0	0.0	2603.0	1740.0	2610.89	0.0	2611.33	34.55	7.17	637.89	296.03
	1.400	40.	0.0	0.0	2603.0	2540.0	2611.59	0.0	2612.09	38.31	8.10	842.66	410.38
	1.400	30.	2609.5	2609.6	2603.0	850.0	2610.36	0.0	2610.54	14.08	4.33	494.78	226.49
	1.400	30.	2609.5	2609.6	2603.0	1390.0	2611.15	0.0	2611.37	17.06	5.18	713.84	336.58
	1.400	30.	2609.5	2609.6	2603.0	1740.0	2611.46	0.0	2611.72	20.10	5.79	804.93	388.14
*	1.400	30.	2609.5	2609.6	2603.0	2540.0	2612.01	0.0	2612.37	26.96	7.06	970.52	489.23
	1.400	10.	0.0	0.0	2603.0	850.0	2610.38	0.0	2610.55	13.79	4.29	500.02	228.86
	1.400	10.	0.0	0.0	2603.0	1390.0	2611.17	0.0	2611.38	16.71	5.14	720.14	340.05
	1.400	10.	0.0	0.0	2603.0	1740.0	2611.49	0.0	2611.74	19.70	5.75	811.66	392.07
	1.400	10.	0.0	0.0	2603.0	2540.0	2612.05	0.0	2612.40	26.44	7.01	978.00	494.00
	1.500	580.	0.0	0.0	2606.4	820.0	2611.65	0.0	2612.34	87.05	8.07	177.17	87.89
	1.500	580.	0.0	0.0	2606.4	1340.0	2612.58	0.0	2613.18	69.53	8.21	290.56	160.70
	1.500	580.	0.0	0.0	2606.4	1660.0	2613.05	0.0	2613.63	64.32	8.36	353.48	206.99
	1.500	580.	0.0	0.0	2606.4	2460.0	2613.95	0.0	2614.57	61.28	8.99	485.34	314.24
	1.690	1060.	0.0	0.0	2615.3	820.0	2619.52	2619.28	2619.76	56.91	5.58	308.27	109.70
	1.690	1060.	0.0	0.0	2615.3	1340.0	2619.94	2619.68	2620.21	62.80	6.39	440.63	169.09
	1.690	1060.	0.0	0.0	2615.3	1660.0	2620.16	2619.84	2620.44	63.59	6.70	521.34	208.17
	1.690	1060.	0.0	0.0	2615.3	2460.0	2620.67	0.0	2620.96	58.72	7.03	727.86	321.03
*	1.910	1010.	0.0	0.0	2624.0	800.0	2628.55	2628.55	2629.28	131.20	7.76	169.07	69.84
*	1.910	1010.	0.0	0.0	2624.0	1300.0	2629.21	2629.21	2629.89	119.64	8.30	330.37	118.85
*	1.910	1010.	0.0	0.0	2624.0	1600.0	2629.48	2629.48	2630.14	119.11	8.62	405.49	146.40
*	1.910	1010.	0.0	0.0	2624.0	2400.0	2629.93	2629.93	2630.72	141.33	10.00	536.04	201.88
	1.910	40.	0.0	0.0	2624.0	800.0	2629.39	0.0	2629.58	34.45	4.57	378.56	136.30
	1.910	40.	0.0	0.0	2624.0	1300.0	2629.96	0.0	2630.18	39.36	5.30	547.58	207.20
	1.910	40.	0.0	0.0	2624.0	1600.0	2630.21	0.0	2630.45	42.76	5.72	625.31	244.69
	1.910	40.	0.0	0.0	2624.0	2400.0	2630.78	0.0	2631.08	49.93	6.62	801.94	339.63
	1.910	30.	2627.8	2627.6	2624.0	800.0	2629.46	0.0	2629.63	30.71	4.36	399.72	144.37
	1.910	30.	2627.8	2627.6	2624.0	1300.0	2630.02	0.0	2630.22	36.39	5.14	565.32	215.51
	1.910	30.	2627.8	2627.6	2624.0	1600.0	2630.26	0.0	2630.49	40.47	5.59	638.86	251.51
	1.910	30.	2627.8	2627.6	2624.0	2400.0	2630.82	0.0	2631.10	48.29	6.53	811.91	345.38
	1.910	40.	0.0	0.0	2624.0	800.0	2629.58	0.0	2629.75	27.54	4.21	386.60	152.45
	1.910	40.	0.0	0.0	2624.0	1300.0	2630.16	0.0	2630.37	35.66	5.18	521.30	217.71
	1.910	40.	0.0	0.0	2624.0	1600.0	2630.41	0.0	2630.67	40.66	5.71	582.21	250.93
	1.910	40.	0.0	0.0	2624.0	2400.0	2630.99	0.0	2631.34	51.87	6.89	719.56	333.24

K05

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10K*S	VCH	AREA	.01K
*	2.100	880.	0.0	0.0	2631.5	800.0	2635.49	2635.49	2635.89	121.28	6.70	222.28	72.64
*	2.100	880.	0.0	0.0	2631.5	1300.0	2635.86	2635.86	2636.32	141.80	7.69	313.78	109.17
	2.100	880.	0.0	0.0	2631.5	1600.0	2636.15	2636.02	2636.56	116.78	7.43	393.42	148.06
	2.100	880.	0.0	0.0	2631.5	2400.0	2636.84	0.0	2637.19	82.45	7.10	593.88	264.31
	2.200	540.	0.0	0.0	2632.0	800.0	2637.22	0.0	2637.26	10.96	2.53	557.69	241.62
	2.200	540.	0.0	0.0	2632.0	1300.0	2637.83	0.0	2637.89	12.59	3.00	745.56	366.39
	2.200	540.	0.0	0.0	2632.0	1600.0	2638.10	0.0	2638.17	13.97	3.28	830.61	428.05
	2.200	540.	0.0	0.0	2632.0	2400.0	2638.71	0.0	2638.81	16.34	3.85	1033.63	593.70
*	2.250	200.	0.0	0.0	2634.3	800.0	2640.06	2640.06	2640.66	97.21	7.05	191.62	81.14
*	2.250	200.	0.0	0.0	2634.3	1300.0	2640.55	2640.55	2641.15	107.86	7.75	311.48	125.17
*	2.250	200.	0.0	0.0	2634.3	1600.0	2640.78	2640.78	2641.36	107.32	7.96	375.17	154.45
*	2.250	200.	0.0	0.0	2634.3	2400.0	2641.16	2641.16	2641.85	126.45	9.17	485.66	213.43
	2.250	40.	0.0	0.0	2634.3	800.0	2640.25	0.0	2641.39	139.27	8.56	93.45	67.79
*	2.250	40.	0.0	0.0	2634.3	1300.0	2640.90	2640.90	2643.07	228.17	11.83	109.89	86.19
*	2.250	40.	0.0	0.0	2634.3	1600.0	2641.55	2641.55	2644.02	213.81	12.61	126.92	109.4
*	2.250	40.	0.0	0.0	2634.3	2400.0	2642.50	2642.50	2642.65	22.17	4.57	926.37	509.64
	2.250	30.	2644.8	2642.6	2634.3	800.0	2640.27	0.0	2641.40	138.29	8.54	93.70	68.03
	2.250	30.	2644.8	2642.6	2634.3	1300.0	2646.00	0.0	2646.01	0.46	0.90	2394.58	1925.55
	2.250	30.	2644.8	2642.6	2634.3	1600.0	2646.32	0.0	2646.33	0.58	1.03	2550.00	2101.23
	2.250	30.	2644.8	2642.6	2634.3	2400.0	2646.93	0.0	2646.94	0.95	1.38	2867.50	2458.30
	2.250	10.	0.0	0.0	2634.3	800.0	2641.48	0.0	2641.53	8.69	2.52	583.36	271.39
	2.250	10.	0.0	0.0	2634.3	1300.0	2646.00	0.0	2646.01	0.46	0.90	2391.90	1922.56
	2.250	10.	0.0	0.0	2634.3	1600.0	2646.32	0.0	2646.33	0.58	1.04	2547.33	2097.25
	2.250	10.	0.0	0.0	2634.3	2400.0	2646.93	0.0	2646.94	0.95	1.38	2867.10	2457.86

L05

RACCOON CREEK

SUMMARY PRINTOUT TABLE 150

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	0.160	1400.	2575.3	0.0	0.0	0.0	123.34	0.0
	0.160	2300.	2577.0	1.7	0.0	0.0	131.10	0.0
	0.160	2800.	2577.8	0.8	0.0	0.0	134.63	0.0
	0.160	4035.	2579.5	1.7	0.0	0.0	142.38	0.0
	0.160	1400.	2575.5	0.0	0.3	0.0	124.45	40.00
	0.160	2300.	2577.3	1.7	0.2	0.0	132.18	40.00
	0.160	2800.	2578.0	0.8	0.2	0.0	135.71	40.00
	0.160	4035.	2579.8	1.7	0.2	0.0	143.43	40.00
	0.160	1400.	2576.0	0.0	0.5	0.0	118.35	1.00
	0.160	2300.	2577.8	1.8	0.6	0.0	123.93	1.00
	0.160	2800.	2578.7	0.8	0.6	0.0	126.49	1.00
	0.160	4035.	2580.5	1.8	0.7	0.0	132.04	1.00
	0.160	1400.	2576.1	0.0	0.1	0.0	118.61	30.00
	0.160	2300.	2577.9	1.8	0.1	0.0	124.24	30.00
	0.160	2800.	2578.8	0.8	0.1	0.0	126.81	30.00
	0.160	4035.	2580.6	1.8	0.1	0.0	132.40	30.00
	0.160	1400.	2575.9	0.0	-0.2	0.0	126.29	1.00
	0.160	2300.	2577.7	1.8	-0.2	0.0	134.28	1.00
	0.160	2800.	2578.5	0.8	-0.2	0.0	137.94	1.00
	0.160	4035.	2580.3	1.8	-0.2	0.0	145.92	1.00
	0.160	1400.	2576.0	0.0	0.0	0.0	126.41	10.00
	0.160	2300.	2577.8	1.8	0.0	0.0	134.41	10.00
	0.160	2800.	2578.6	0.8	0.0	0.0	138.08	10.00
	0.160	4035.	2580.4	1.8	0.0	0.0	146.07	10.00
	0.210	1400.	2576.5	0.0	0.5	0.0	80.93	160.00
	0.210	2300.	2578.2	1.8	0.5	0.0	125.45	160.00
	0.210	2800.	2579.0	0.8	0.5	0.0	138.20	160.00
	0.210	4030.	2580.9	1.8	0.5	0.0	165.88	160.00
	0.210	1400.	2577.0	0.0	0.6	0.0	101.37	50.00
	0.210	2300.	2578.8	1.8	0.6	0.0	134.20	50.00
	0.210	2800.	2579.6	0.8	0.5	0.0	146.31	50.00
	0.210	4030.	2581.3	1.7	0.4	0.0	170.84	50.00
	0.210	1400.	2577.5	0.0	0.5	0.0	113.65	30.00
	0.210	2300.	2578.8	1.3	-0.0	0.0	134.07	30.00
	0.210	2800.	2579.6	0.8	-0.0	0.0	146.22	30.00
	0.210	4030.	2581.3	1.7	-0.0	0.0	170.81	30.00
	0.210	1400.	2577.5	0.0	0.1	0.0	114.74	10.00
	0.210	2300.	2578.9	1.3	0.1	0.0	135.29	10.00
	0.210	2800.	2579.6	0.8	0.1	0.0	147.41	10.00
	0.210	4030.	2581.4	1.7	0.1	0.0	171.62	10.00
*	0.260	1400.	2577.8	0.0	0.3	0.0	30.89	90.00
*	0.260	2300.	2580.4	2.5	1.5	0.0	64.66	90.00

* 0.260 2800. 2581.8

MOS

*	0.260	2800.	2581.8	1.4	2.1	0.0	115.05	90.00
*	0.260	4025.	2583.8	2.0	2.4	0.0	286.63	90.00

A06

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	0.260	1400.	2580.0	0.0	2.2	0.0	55.69	50.00
	0.260	2300.	2582.8	2.8	2.4	0.0	242.80	50.00
	0.260	2800.	2584.0	1.2	2.3	0.0	297.73	50.00
	0.260	4025.	2585.2	1.2	1.5	0.0	351.67	50.00
	0.260	1400.	2580.7	0.0	0.6	0.0	25.00	30.00
	0.260	2300.	2583.8	3.2	1.0	0.0	406.11	30.00
	0.260	2800.	2584.8	0.9	0.7	0.0	418.88	30.00
	0.260	4025.	2586.0	1.2	0.8	0.0	436.18	30.00
	0.260	1400.	2581.3	0.0	0.6	0.0	370.94	50.00
	0.260	2300.	2583.8	2.5	0.0	0.0	406.17	50.00
	0.260	2800.	2584.8	0.9	0.0	0.0	413.95	50.00
	0.260	4025.	2586.0	1.2	0.0	0.0	436.28	50.00
*	0.400	1400.	2581.4	0.0	0.1	0.0	228.51	580.00
	0.400	2300.	2583.9	2.5	0.1	0.0	296.30	580.00
	0.400	2800.	2584.8	1.0	0.1	0.0	322.13	580.00
	0.400	4000.	2586.1	1.3	0.1	0.0	375.63	580.00
	0.460	1400.	2582.8	0.0	1.4	0.0	50.27	320.00
	0.460	2300.	2584.3	1.6	0.4	0.0	54.95	320.00
	0.460	2800.	2585.1	0.8	0.2	0.0	58.66	320.00
	0.460	4000.	2586.1	1.0	0.0	0.0	83.61	320.00
	0.500	1400.	2584.3	0.0	1.5	0.0	44.48	340.00
	0.500	2300.	2585.9	1.7	1.6	0.0	50.89	340.00
	0.500	2800.	2586.7	0.9	1.6	0.0	53.93	340.00
	0.500	4000.	2588.2	1.4	2.0	0.0	59.42	340.00
	0.520	1400.	2584.5	0.0	0.3	0.0	42.89	80.00
	0.520	2300.	2586.2	1.7	0.3	0.0	49.22	80.00
	0.520	2800.	2587.0	0.8	0.2	0.0	52.20	80.00
	0.520	4000.	2588.4	1.4	0.2	0.0	57.64	80.00
	0.520	1400.	2584.3	0.0	-0.2	0.0	19.00	40.00
*	0.520	2300.	2586.5	2.1	0.3	0.0	19.00	40.00
	0.520	2800.	2588.5	2.0	1.5	0.0	71.71	40.00
	0.520	4000.	2590.6	2.2	2.2	0.0	87.81	40.00
	0.520	1400.	2584.4	0.0	0.0	0.0	19.00	30.00
*	0.520	2300.	2589.1	4.7	2.6	0.0	19.00	30.00
	0.520	2800.	2592.3	3.2	3.8	0.0	180.54	30.00
	0.520	4000.	2593.4	1.2	2.8	0.0	186.12	30.00
	0.520	1400.	2587.1	0.0	2.8	0.0	65.68	40.00
	0.520	2300.	2591.2	4.1	2.1	0.0	92.78	40.00
	0.520	2800.	2592.3	1.2	0.1	0.0	147.53	40.00
	0.520	4000.	2593.5	1.1	0.1	0.0	148.13	40.00
	0.650	1400.	2589.1	0.0	2.0	0.0	87.57	720.00
	0.650	2300.	2592.3	3.2	1.1	0.0	232.41	720.00
	0.650	2800.	2593.4	1.1	1.1	0.0	352.20	720.00
	0.650	4000.	2594.9	1.5	1.4	0.0	467.37	720.00

B06

B06

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	0.650	1400.	2589.3	0.0	0.1	0.0	52.54	40.00
	0.650	2300.	2592.4	3.1	0.1	0.0	237.66	40.00
	0.650	2800.	2593.5	1.1	0.1	0.0	358.58	40.00
	0.650	4000.	2594.9	1.5	0.1	0.0	468.65	40.00
	0.650	1400.	2589.3	0.0	0.1	0.0	50.16	30.00
	0.650	2300.	2593.0	3.7	0.7	0.0	204.62	30.00
	0.650	2800.	2594.0	0.9	0.5	0.0	262.59	30.00
	0.650	4000.	2595.1	1.1	0.2	0.0	406.73	30.00
	0.650	1400.	2589.6	0.0	0.2	0.0	82.57	10.00
	0.650	2300.	2593.0	3.5	0.0	0.0	208.79	10.00
	0.650	2800.	2594.0	0.9	0.0	0.0	263.28	10.00
	0.650	4000.	2595.1	1.2	0.0	0.0	407.77	10.00
*	0.820	1400.	2594.8	0.0	5.2	0.0	225.75	850.00
*	0.820	2300.	2595.8	1.0	2.8	0.0	376.25	850.00
*	0.820	2800.	2596.1	0.3	2.1	0.0	381.75	850.00
	0.820	4000.	2597.1	1.0	1.9	0.0	402.64	850.00
	0.820	900.	2595.8	0.0	1.0	0.0	376.63	40.00
	0.820	1500.	2596.7	0.8	0.8	0.0	393.74	40.00
	0.820	1900.	2597.0	0.3	0.9	0.0	400.17	40.00
	0.820	2700.	2597.7	0.7	0.6	0.0	414.52	40.00
	0.820	900.	2595.8	0.0	0.0	0.0	376.72	30.00
	0.820	1500.	2596.7	0.8	0.0	0.0	393.79	30.00
	0.820	1900.	2597.0	0.3	0.0	0.0	400.24	30.00
	0.820	2700.	2597.7	0.7	0.0	0.0	414.55	30.00
	0.820	900.	2595.8	0.0	0.0	0.0	376.87	10.00
	0.820	1500.	2596.7	0.8	0.0	0.0	393.96	10.00
	0.820	1900.	2597.0	0.3	0.0	0.0	400.44	10.00
	0.820	2700.	2597.7	0.7	0.0	0.0	414.78	10.00
	0.950	890.	2596.6	0.0	0.8	0.0	61.58	640.00
	0.950	1480.	2597.5	0.9	0.8	0.0	71.34	640.00
	0.950	1860.	2597.9	0.4	0.9	0.0	74.79	640.00
	0.950	2660.	2598.6	0.7	0.9	0.0	80.30	640.00
	1.140	870.	2601.9	0.0	5.3	0.0	185.33	1480.00
	1.140	1440.	2603.1	1.3	5.6	0.0	198.73	1480.00
	1.140	1810.	2603.8	0.7	5.9	0.0	205.05	1480.00
	1.140	2610.	2605.1	1.3	6.5	0.0	253.51	1480.00
*	1.400	850.	2608.9	0.0	7.0	0.0	153.13	620.00
*	1.400	1390.	2609.9	1.0	6.7	0.0	224.28	620.00
*	1.400	1740.	2610.2	0.4	6.4	0.0	266.92	620.00
*	1.400	2540.	2610.8	0.5	5.7	0.0	278.02	620.00
	1.400	850.	2609.7	0.0	0.8	0.0	221.86	40.00
	1.400	1390.	2610.5	0.8	0.6	0.0	272.01	40.00
	1.400	1740.	2610.9	0.4	0.6	0.0	280.02	40.00
	1.400	2540.	2611.6	0.7	0.8	0.0	294.64	40.00

C06

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	1.400	850.	2610.4	0.0	0.6	0.0	269.32	30.00
	1.400	1390.	2611.1	0.8	0.6	0.0	285.52	30.00
	1.400	1740.	2611.5	0.3	0.6	0.0	292.00	30.00
*	1.400	2540.	2612.0	0.6	0.4	0.0	303.41	30.00
	1.400	850.	2610.4	0.0	0.0	0.0	269.72	10.00
	1.400	1390.	2611.2	0.8	0.0	0.0	285.98	10.00
	1.400	1740.	2611.5	0.3	0.0	0.0	292.47	10.00
	1.400	2540.	2612.0	0.6	0.0	0.0	303.91	10.00
	1.500	820.	2611.6	0.0	1.3	0.0	112.92	580.00
	1.500	1340.	2612.6	0.9	1.4	0.0	129.93	580.00
	1.500	1660.	2613.1	0.5	1.6	0.0	138.48	580.00
	1.500	2460.	2613.9	0.9	1.9	0.0	154.85	580.00
	1.690	820.	2619.5	0.0	7.9	0.0	284.23	1060.00
	1.690	1340.	2619.9	0.4	7.4	0.0	350.54	1060.00
	1.690	1660.	2620.2	0.2	7.1	0.0	380.74	1060.00
	1.690	2460.	2620.7	0.5	6.7	0.0	423.36	1060.00
*	1.910	800.	2628.6	0.0	9.0	0.0	177.93	1010.00
*	1.910	1300.	2629.2	0.7	9.3	0.0	277.03	1010.00
*	1.910	1600.	2629.5	0.3	9.3	0.0	286.73	1010.00
*	1.910	2400.	2629.9	0.4	9.3	0.0	293.75	1010.00
	1.910	800.	2629.4	0.0	0.8	0.0	283.28	40.00
	1.910	1300.	2630.0	0.6	0.7	0.0	299.45	40.00
	1.910	1600.	2630.2	0.2	0.7	0.0	304.09	40.00
	1.910	2400.	2630.8	0.6	0.9	0.0	314.38	40.00
	1.910	800.	2629.5	0.0	0.1	0.0	285.99	30.00
	1.910	1300.	2630.0	0.6	0.1	0.0	300.51	30.00
	1.910	1600.	2630.3	0.2	0.0	0.0	304.89	30.00
	1.910	2400.	2630.8	0.6	0.0	0.0	314.95	30.00
	1.910	800.	2629.6	0.0	0.1	0.0	229.65	40.00
	1.910	1300.	2630.2	0.6	0.1	0.0	236.84	40.00
	1.910	1600.	2630.4	0.3	0.1	0.0	239.12	40.00
	1.910	2400.	2631.0	0.6	0.2	0.0	244.18	40.00
*	2.100	800.	2635.5	0.0	5.9	0.0	230.92	880.00
*	2.100	1300.	2635.9	0.4	5.7	0.0	265.90	880.00
	2.100	1600.	2636.1	0.3	5.7	0.0	276.09	880.00
	2.100	2400.	2636.8	0.7	5.9	0.0	300.20	880.00
	2.200	800.	2637.2	0.0	1.7	0.0	295.99	540.00
	2.200	1300.	2637.8	0.6	2.0	0.0	317.24	540.00
	2.200	1600.	2638.1	0.3	1.9	0.0	326.39	540.00
	2.200	2400.	2638.7	0.6	1.9	0.0	340.06	540.00
*	2.250	800.	2640.1	0.0	2.8	0.0	212.52	200.00
*	2.250	1300.	2640.6	0.5	2.7	0.0	271.94	200.00
*	2.250	1600.	2640.8	0.2	2.7	0.0	282.86	200.00
*	2.250	2400.	2641.2	0.4	2.5	0.0	299.56	200.00

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	2.250	800.	2640.3	0.0	0.2	0.0	24.83	40.00
*	2.250	1300.	2640.9	0.6	0.3	0.0	26.00	40.00
*	2.250	1600.	2641.6	0.7	0.8	0.0	26.00	40.00
*	2.250	2400.	2642.5	0.9	1.3	0.0	355.40	40.00
	2.250	800.	2640.3	0.0	0.0	0.0	24.86	30.00
	2.250	1300.	2646.0	5.7	5.1	0.0	481.92	30.00
	2.250	1600.	2646.3	0.3	4.8	0.0	493.47	30.00
	2.250	2400.	2646.9	0.6	4.4	0.0	561.03	30.00
	2.250	800.	2641.5	0.0	[illegible]	0.0	313.59	10.00
	2.250	1300.	2646.0	4.5	[illegible]	0.0	481.72	10.00
	2.250	1600.	2646.3	0.3	[illegible]	0.0	493.22	10.00
	2.250	2400.	2646.9	0.6	0.0	0.0	561.00	10.00

SUMMARY OF ERRORS

CAUTION SECNO= 0.260 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 0.260 PROFILE= 1
PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 0.260 PROFILE= 1
20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 0.260 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 0.260 PROFILE= 2
PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 0.260 PROFILE= 2
20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 0.260 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 0.260 PROFILE= 3
PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 0.260 PROFILE= 3
20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 0.260 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 0.260 PROFILE= 4
PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 0.260 PROFILE= 4
20 TRIALS ATTEMPTED TO BALANCE WSEL

NOTE SECNO= 0.400 PROFILE= 1 WSEL BASED ON X5 CARD

CAUTION SECNO= 0.520 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 0.520 PROFILE= 2
PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 0.520 PROFILE= 2
20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 0.520 PROFILE= 2 HYDRAULIC JUMP D.S.

CAUTION SECNO= 0.820 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 0.820 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 0.820 PROFILE= 3 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 1.400 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 1.400 PROFILE= 1

E06

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 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    1.400  PROFILE= 1
 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=    1.400  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    1.400  PROFILE= 2
 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    1.400  PROFILE= 2
 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=    1.400  PROFILE= 3  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    1.400  PROFILE= 3
 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    1.400  PROFILE= 3
 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=    1.400  PROFILE= 4  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    1.400  PROFILE= 4
 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    1.400  PROFILE= 4
 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=    1.400  PROFILE= 4  HYDRAULIC JUMP D.S.

CAUTION  SECNO=    1.910  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    1.910  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    1.910  PROFILE= 3  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    1.910  PROFILE= 4  CRITICAL DEPTH ASSUMED

CAUTION  SECNO=    2.100  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    2.100  PROFILE= 2  CRITICAL DEPTH ASSUMED

CAUTION  SECNO=    2.250  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    2.250  PROFILE= 1
 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    2.250  PROFILE= 1
 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=    2.250  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    2.250  PROFILE= 2
 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    2.250  PROFILE= 2
 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=    2.250  PROFILE= 3  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    2.250  PROFILE= 3
 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    2.250  PROFILE= 3
 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=    2.250  PROFILE= 4  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    2.250  PROFILE= 4
 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    2.250  PROFILE= 4
 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=    2.250  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    2.250  PROFILE= 2
 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    2.250  PROFILE= 2
 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=    2.250  PROFILE= 3  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    2.250  PROFILE= 3
 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    2.250  PROFILE= 3
 20 TRIALS ATTEMPTED TO BALANCE WSEL
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F06

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CAUTION  SECNO=    2.250  PROFILE= 1
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F06

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 CAUTION  SECNO=    2.250  PROFILE= 4  CRITICAL DEPTH ASSUMED
 CAUTION  SECNO=    2.250  PROFILE= 4
  PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION  SECNO=    2.250  PROFILE= 4
  20 TRIALS ATTEMPTED TO BALANCE WSEL
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G06

GD6

RACCOON CREEK

WAYNESVILLE NC

	500 YEAR FLOOD		100 YEAR FLOOD		50 YEAR FLOOD		10 YEAR FLOOD	
MILE	Q	ELEV	Q	ELEV	Q	ELEV	Q	ELEV
0.160	4035.	2579.5	2800.	2577.8	2300.	2577.0	1400.	2575.3
0.160	4035.	2580.4	2800.	2578.6	2300.	2577.8	1400.	2576.0
0.210	4030.	2580.9	2800.	2579.0	2300.	2578.2	1400.	2576.5
0.210	4030.	2581.4	2800.	2579.6	2300.	2578.9	1400.	2577.5
0.260	4025.	2583.8	2800.	2581.8	2300.	2580.4	1400.	2577.8
0.260	4025.	2586.0	2800.	2584.8	2300.	2583.8	1400.	2581.3
0.400	4000.	2586.1	2800.	2584.8	2300.	2583.9	1400.	2581.4
0.460	4000.	2586.1	2800.	2585.1	2300.	2584.3	1400.	2582.8
0.500	4000.	2588.2	2800.	2586.7	2300.	2585.9	1400.	2584.3
0.520	4000.	2588.4	2800.	2587.0	2300.	2586.2	1400.	2584.5
0.520	4000.	2593.5	2800.	2592.3	2300.	2591.2	1400.	2587.1
0.650	4000.	2594.9	2800.	2593.4	2300.	2592.3	1400.	2589.1
0.650	4000.	2595.1	2800.	2594.0	2300.	2593.0	1400.	2589.6
0.820	4000.	2597.1	2800.	2596.1	2300.	2595.8	1400.	2594.8
0.820	2700.	2597.7	1900.	2597.0	1500.	2596.7	900.	2595.8
0.950	2660.	2598.6	1860.	2597.9	1480.	2597.5	890.	2596.6
1.140	2610.	2605.1	1810.	2603.8	1440.	2603.1	870.	2601.9
1.400	2540.	2610.8	1740.	2610.2	1390.	2609.9	850.	2608.9
1.400	2540.	2612.0	1740.	2611.5	1390.	2611.2	850.	2610.4
1.500	2460.	2613.9	1660.	2613.1	1340.	2612.6	820.	2611.6
1.690	2460.	2620.7	1660.	2620.2	1340.	2619.9	820.	2619.5
1.910	2400.	2629.9	1600.	2629.5	1300.	2629.2	800.	2628.6
1.910	2400.	2631.0	1600.	2630.4	1300.	2630.2	800.	2629.6
2.100	2400.	2636.8	1600.	2636.1	1300.	2635.9	800.	2635.5
2.200	2400.	2638.7	1600.	2638.1	1300.	2637.8	800.	2637.2
2.250	2400.	2641.2	1600.	2640.8	1300.	2640.6	800.	2640.1

H06

2.250	2400.	2644.2	1600.	2644.0	1300.	2644.0	800.	2644.0

H06

2.250 2400. 2646.9 1600. 2646.3 1300. 2646.0 800. 2641.5

FLOOD INSURANCE ZONE DATA FOR RACCOON CREEK

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND¢ 10¢	2¢	0.2¢
0.160	0.	-2.54	-0.79	1.75
0.160	40.	-2.53	-0.79	1.74
0.160	41.	-2.64	-0.83	1.80
0.160	71.	-2.67	-0.84	1.82
0.160	72.	-2.62	-0.82	1.80
0.160	82.	-2.63	-0.83	1.80
0.210	242.	-2.59	-0.83	1.81
0.210	292.	-2.56	-0.79	1.72
0.210	322.	-2.09	-0.79	1.72
0.210	332.	-2.12	-0.79	1.71
0.260	422.	-3.90	-1.38	2.01
0.260	472.	-3.97	-1.22	1.21
0.260	502.	-4.10	-0.94	1.24
0.260	552.	-3.49	-0.94	1.24
0.400	1132.	-3.46	-0.98	1.27
0.460	1452.	-2.32	-0.76	1.05
0.500	1792.	-2.47	-0.79	1.43
0.520	1872.	-2.43	-0.78	1.42
0.520	1912.	-4.13	-2.01	2.17
0.520	1942.	-7.91	-3.16	1.15
0.520	1982.	-5.23	-1.16	1.15
0.650	2702.	-4.29	-1.14	1.47
0.650	2742.	-4.23	-1.11	1.45
0.650	2772.	-4.65	-0.94	1.15
0.650	2782.	-4.43	-0.94	1.15
0.820	3632.	-1.29	-0.27	1.01
0.820	3672.	-1.14	-0.31	0.69
0.820	3702.	-1.14	-0.31	0.69
0.820	3712.	-1.14	-0.31	0.69
0.950	4352.	-1.31	-0.43	0.68
1.140	5832.	-1.97	-0.69	1.26
1.400	6452.	-1.35	-0.38	0.54
1.400	6492.	-1.16	-0.39	0.71
1.400	6522.	-1.10	-0.31	0.55
1.400	6532.	-1.11	-0.32	0.56
1.500	7112.	-1.40	-0.47	0.89
1.690	8172.	-0.63	-0.22	0.52
1.910	9182.	-0.93	-0.27	0.44
1.910	9222.	-0.82	-0.25	0.57
1.910	9252.	-0.80	-0.24	0.56
1.910	9292.	-0.83	-0.26	0.58
2.100	10172.	-0.66	-0.29	0.69
2.200	10712.	-0.88	-0.26	0.61
2.250	10912.	-0.72	-0.23	0.38
2.250	10952.	-1.30	-0.68	0.95
2.250	10982.	-6.05	-0.32	0.61
2.250	10992.	-4.84	-0.32	0.61
WEIGHTED AVG FOR REACH		-1.90	-0.56	0.91

FHF FOR THE REACH = 020 WITH 22.6% OF THE REACH WITHIN 0.5 FEET
ZONE FOR THE REACH = A 4

CONTINUOUS FLOOD HAZARD FACTORS BY EVEN INCREMENTS

INC NO.	TOTAL LENGTH	AVG ELEVATION DATA 10%	1%	DIFF.	WTD. AVG.	FHF	PERCENT WITHIN
	0.				SEC.		0.160
	40.				SEC.		0.160
	41.				SEC.		0.160
	71.				SEC.		0.160
	72.				SEC.		0.160
	82.				SEC.		0.160
1	100.	2575.64	2578.22	-2.58	-2.58	025	100.
2	200.	2576.17	2578.78	-2.61	-2.60	025	100.
	242.				SEC.		0.210
	292.				SEC.		0.210
3	300.	2576.72	2579.24	-2.52	-2.57	025	100.
	322.				SEC.		0.210
	332.				SEC.		0.210
4	400.	2577.45	2580.40	-2.95	-2.67	025	100.
	422.				SEC.		0.260
	472.				SEC.		0.260
5	500.	2579.19	2582.97	-3.78	-2.89	030	100.
	502.				SEC.		0.260
	552.				SEC.		0.260
6	600.	2580.94	2584.73	-3.79	-3.04	030	100.
7	700.	2581.28	2584.77	-3.49	-3.10	030	100.
8	800.	2581.30	2584.78	-3.48	-3.15	030	100.
9	900.	2581.32	2584.79	-3.48	-3.19	030	100.
10	1000.	2581.33	2584.81	-3.47	-3.22	030	100.
11	1100.	2581.35	2584.82	-3.47	-3.24	030	100.
	1132.				SEC.		0.400
12	1200.	2581.51	2584.85	-3.34	-3.25	030	100.
13	1300.	2581.88	2584.92	-3.04	-3.23	030	100.
14	1400.	2582.32	2585.00	-2.68	-3.19	030	100.
	1452.				SEC.		0.460
15	1500.	2582.75	2585.17	-2.42	-3.14	030	100.
16	1600.	2583.19	2585.55	-2.36	-3.09	030	100.
17	1700.	2583.63	2586.04	-2.40	-3.05	030	100.
	1792.				SEC.		0.500
18	1800.	2584.07	2586.52	-2.44	-3.02	030	100.
	1872.				SEC.		0.520
19	1900.	2584.34	2587.39	-3.04	-3.02	030	100.
	1912.				SEC.		0.520
	1942.				SEC.		0.520
	1982.				SEC.		0.520
20	2000.	2585.78	2590.20	-4.42	-3.09	030	95.
21	2100.	2587.30	2592.45	-5.14	-3.19	030	90.
22	2200.	2587.58	2592.59	-5.01	-3.27	035	86.
23	2300.	2587.86	2592.74	-4.88	-3.34	035	83.
24	2400.	2588.13	2592.89	-4.75	-3.40	035	75.

25	2500.	2588.41	2593.04	-4.62	-3.45	035	44

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25	2500.	2588.41	2593.04	-4.62	-3.45	035	64.
26	2600.	2588.69	2593.18	-4.49	-3.49	035	62.
27	2700.	2588.97	2593.33	-4.36	-3.52	035	63.
	2702.				SEC.	0.650	
	2742.				SEC.	0.650	
	2772.				SEC.	0.650	
	2782.				SEC.	0.650	
28	2800.	2589.39	2593.72	-4.33	-3.55	035	64.
29	2900.	2589.97	2594.15	-4.18	-3.57	035	66.
30	3000.	2590.59	2594.40	-3.81	-3.58	035	67.
31	3100.	2591.21	2594.64	-3.44	-3.57	035	68.
32	3200.	2591.82	2594.89	-3.07	-3.56	035	69.
33	3300.	2592.44	2595.13	-2.70	-3.53	035	70.
34	3400.	2593.05	2595.38	-2.33	-3.50	035	71.
35	3500.	2593.67	2595.63	-1.96	-3.45	035	66.
36	3600.	2594.28	2595.87	-1.59	-3.40	035	69.
	3632.				SEC.	0.820	
	3672.				SEC.	0.820	
37	3700.	2595.21	2596.48	-1.27	-3.34	035	68.
	3702.				SEC.	0.820	
	3712.				SEC.	0.820	
38	3800.	2595.89	2597.04	-1.15	-3.29	035	66.
39	3900.	2596.01	2597.18	-1.18	-3.23	030	64.
40	4000.	2596.13	2597.33	-1.21	-3.18	030	63.
41	4100.	2596.25	2597.48	-1.23	-3.13	030	59.
42	4200.	2596.37	2597.62	-1.26	-3.09	030	57.
43	4300.	2596.49	2597.77	-1.28	-3.05	030	56.
	4352.				SEC.	0.950	
44	4400.	2596.67	2597.98	-1.31	-3.01	030	55.
45	4500.	2596.96	2598.31	-1.36	-2.97	030	53.
46	4600.	2597.31	2598.71	-1.40	-2.94	030	54.
47	4700.	2597.67	2599.11	-1.44	-2.91	030	53.
48	4800.	2598.03	2599.51	-1.49	-2.88	030	52.
49	4900.	2598.38	2599.91	-1.53	-2.85	030	51.
50	5000.	2598.74	2600.31	-1.58	-2.82	030	50.
51	5100.	2599.09	2600.71	-1.62	-2.80	030	47.
52	5200.	2599.45	2601.11	-1.67	-2.78	030	42.
53	5300.	2599.80	2601.51	-1.71	-2.76	030	42.
54	5400.	2600.16	2601.91	-1.75	-2.74	025	43.
55	5500.	2600.51	2602.31	-1.80	-2.72	025	44.
56	5600.	2600.87	2602.71	-1.84	-2.71	025	46.
57	5700.	2601.22	2603.11	-1.89	-2.69	025	47.
58	5800.	2601.58	2603.51	-1.93	-2.68	025	48.
	5832.				SEC.	1.140	
59	5900.	2602.20	2604.12	-1.93	-2.67	025	51.
60	6000.	2603.21	2605.06	-1.85	-2.65	025	52.
61	6100.	2604.34	2606.09	-1.75	-2.64	025	52.
62	6200.	2605.47	2607.12	-1.65	-2.62	025	55.
63	6300.	2606.60	2608.16	-1.55	-2.60	025	54.
64	6400.	2607.73	2609.19	-1.46	-2.59	025	55.
	6452.				SEC.	1.400	
	6492.				SEC.	1.400	
65	6500.	2609.09	2610.37	-1.28	-2.57	025	55.
	6522.				SEC.	1.400	
	6532.				SEC.	1.400	
66	6600.	2610.20	2611.36	-1.15	-2.55	025	56.
67	6700.	2610.63	2611.80	-1.17	-2.52	025	57.
68	6800.	2610.85	2612.07	-1.22	-2.51	025	56.
69	6900.	2611.07	2612.34	-1.27	-2.49	025	55.
70	7000.	2611.29	2612.61	-1.32	-2.47	025	50.

L06

71	7100.	2611.51	2612.89	-1.37			

L06

71	7100.	2611.51	2612.88	-1.37	-2.46	023	49.
	7112.				SEC.	1.500	
72	7200.	2611.96	2613.33	-1.37	-2.44	025	50.
73	7300.	2612.67	2613.97	-1.30	-2.42	025	48.
74	7400.	2613.42	2614.65	-1.23	-2.41	025	47.
75	7500.	2614.16	2615.32	-1.16	-2.39	025	48.
76	7600.	2614.90	2615.99	-1.08	-2.37	025	47.
77	7700.	2615.64	2616.66	-1.01	-2.36	025	49.
78	7800.	2616.39	2617.33	-0.94	-2.34	025	49.
79	7900.	2617.13	2618.00	-0.87	-2.32	025	49.
80	8000.	2617.87	2618.67	-0.79	-2.30	025	51.
81	8100.	2618.62	2619.34	-0.72	-2.28	025	53.
	8172.				SEC.	1.690	
82	8200.	2619.38	2620.04	-0.66	-2.26	025	55.
83	8300.	2620.22	2620.88	-0.66	-2.24	020	55.
84	8400.	2621.11	2621.80	-0.69	-2.22	020	57.
85	8500.	2622.01	2622.72	-0.71	-2.21	020	58.
86	8600.	2622.90	2623.65	-0.74	-2.19	020	58.
87	8700.	2623.80	2624.57	-0.77	-2.17	020	59.
88	8800.	2624.69	2625.49	-0.80	-2.16	020	60.
89	8900.	2625.58	2626.42	-0.83	-2.14	020	62.
90	9000.	2626.48	2627.34	-0.86	-2.13	020	61.
91	9100.	2627.37	2628.26	-0.89	-2.11	020	60.
	9182.				SEC.	1.910	
92	9200.	2628.37	2629.27	-0.89	-2.10	020	60.
	9222.				SEC.	1.910	
	9252.				SEC.	1.910	
	9292.				SEC.	1.910	
93	9300.	2629.28	2630.13	-0.85	-2.09	020	59.
94	9400.	2629.97	2630.79	-0.81	-2.07	020	60.
95	9500.	2630.64	2631.44	-0.79	-2.06	020	58.
96	9600.	2631.31	2632.09	-0.78	-2.05	020	57.
97	9700.	2631.99	2632.74	-0.76	-2.03	020	55.
98	9800.	2632.66	2633.40	-0.74	-2.02	020	54.
99	9900.	2633.33	2634.05	-0.72	-2.01	020	55.
100	10000.	2634.00	2634.70	-0.70	-1.99	020	22.
101	10100.	2634.67	2635.35	-0.68	-1.98	020	23.
	10172.				SEC.	2.100	
102	10200.	2635.29	2635.96	-0.67	-1.97	020	23.
103	10300.	2635.74	2636.43	-0.69	-1.96	020	22.
104	10400.	2636.06	2636.79	-0.73	-1.94	020	23.
105	10500.	2636.38	2637.15	-0.77	-1.93	020	23.
106	10600.	2636.70	2637.51	-0.81	-1.92	020	23.
107	10700.	2637.02	2637.87	-0.86	-1.91	020	21.
	10712.				SEC.	2.200	
108	10800.	2637.82	2638.66	-0.84	-1.90	020	21.
109	10900.	2639.18	2639.95	-0.77	-1.89	020	21.
	10912.				SEC.	2.250	
	10952.				SEC.	2.250	
	10982.				SEC.	2.250	
	10992.				SEC.	2.250	

THIS REACH CAN BE SUBDIVIDED BY INC NO. TO MEET FIA REQUIREMENTS
INPUT 20N WHERE N IS THE NUMBER OF REACHES AND THEN INPUT THE END
OF EACH REACH BY INC NO. FOR EXAMPLE(202 23 109
A NEGATIVE INC NO. WILL SUPPRESS INTERMEDIATE INC OUTPUT.

M06

CONTINUOUS FLOOD HAZARD FACTORS OR CURVE ASSIGNMENTS

CONTINUOUS FLOOD HAZARD FACTORS BY EVEN INCREMENTS

INC NO.	TOTAL LENGTH	AVG ELEVATION DATA 10¢	1¢	DIFF.	WTD. AVG.	FHF	PERCENT WITHIN
	0.				SEC.		0.160
	40.				SEC.		0.160
	41.				SEC.		0.160
	71.				SEC.		0.160
	72.				SEC.		0.160
	82.				SEC.		0.160
1	100.	2575.04	2578.22	-2.58	-2.58	025	100.
2	200.	2576.17	2578.78	-2.61	-2.60	025	100.
	242.				SEC.		0.210
	292.				SEC.		0.210
3	300.	2576.72	2579.24	-2.52	-2.57	025	100.
	322.				SEC.		0.210
	332.				SEC.		0.210
4	400.	2577.45	2580.40	-2.95	-2.67	025	100.
	422.				SEC.		0.260
	472.				SEC.		0.260
5	500.	2579.19	2582.97	-3.78	-2.89	030	100.
	502.				SEC.		0.260
	552.				SEC.		0.260
6	600.	2580.94	2584.73	-3.79	-3.04	030	100.
7	700.	2581.28	2584.77	-3.49	-3.10	030	100.
8	800.	2581.30	2584.78	-3.48	-3.15	030	100.
9	900.	2581.32	2584.79	-3.48	-3.19	030	100.
10	1000.	2581.33	2584.81	-3.47	-3.22	030	100.
11	1100.	2581.35	2584.82	-3.47	-3.24	030	100.
	1132.				SEC.		0.400
12	1200.	2581.51	2584.85	-3.34	-3.25	030	100.
13	1300.	2581.88	2584.92	-3.04	-3.23	030	100.
14	1400.	2582.32	2585.00	-2.68	-3.19	030	100.
	1452.				SEC.		0.460
15	1500.	2582.75	2585.17	-2.42	-3.14	030	100.
16	1600.	2583.19	2585.55	-2.33	-3.09	030	100.
17	1700.	2583.63	2586.04	-2.40	-3.05	030	100.
	1792.				SEC.		0.500
18	1800.	2584.07	2586.52	-2.44	-3.02	030	100.
	1872.				SEC.		0.520
19	1900.	2584.34	2587.39	-3.04	-3.02	030	100.
	1912.				SEC.		0.520
	1942.				SEC.		0.520
	1982.				SEC.		0.520
20	2000.	2585.78	2590.20	-4.42	-3.09	030	95.
21	2100.	2587.30	2592.45	-5.14	-3.19	030	90.
22	2200.	2587.58	2592.59	-5.01	-3.27	035	86.
23	2300.	2587.86	2592.74	-4.88	-3.34	035	83.

	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND 10¢	2¢	0.2¢
WEIGHTED AVG FOR REACH	-3.34	-0.96	1.38

FHF FOR REACH 1 = 035 WITH 83.¢ OF THE REACH WITHIN 1.0 FEET
ZONE FOR THE REACH = A 7

24	2400.	2588.13	2592.89	-4.75	-4.75	050	100.
25	2500.	2588.41	2593.04	-4.62	-4.69	045	100.
26	2600.	2588.69	2593.18	-4.49	-4.62	045	100.
27	2700.	2588.97	2593.33	-4.36	-4.56	045	100.
	2702.				SEC.	0.650	
	2742.				SEC.	0.650	
	2772.				SEC.	0.650	
	2782.				SEC.	0.650	
28	2800.	2589.39	2593.72	-4.33	-4.51	045	100.
29	2900.	2589.97	2594.15	-4.18	-4.46	045	100.
30	3000.	2590.59	2594.40	-3.81	-4.36	045	100.
31	3100.	2591.21	2594.64	-3.44	-4.25	040	100.
32	3200.	2591.82	2594.89	-3.07	-4.12	040	89.
33	3300.	2592.44	2595.15	-2.70	-3.97	040	90.
34	3400.	2593.05	2595.38	-2.33	-3.83	040	82.
35	3500.	2593.67	2595.63	-1.96	-3.67	035	75.
36	3600.	2594.28	2595.87	-1.59	-3.51	035	67.
	3632.				SEC.	0.820	
	3672.				SEC.	0.820	
37	3700.	2595.21	2596.48	-1.27	-3.35	035	43.
	3702.				SEC.	0.820	
	3712.				SEC.	0.870	
38	3800.	2595.89	2597.04	-1.15	-3.20	030	40.
39	3900.	2596.01	2597.18	-1.18	-3.08	030	31.
40	4000.	2596.13	2597.33	-1.21	-2.97	030	29.
41	4100.	2596.25	2597.48	-1.23	-2.87	030	33.
42	4200.	2596.37	2597.62	-1.26	-2.79	030	26.
43	4300.	2596.49	2597.77	-1.28	-2.71	025	25.
	4332.				SEC.	0.950	
44	4400.	2596.67	2597.98	-1.31	-2.64	025	24.
45	4500.	2596.96	2598.31	-1.36	-2.59	025	27.
46	4600.	2597.31	2598.71	-1.40	-2.53	025	26.
47	4700.	2597.67	2599.11	-1.44	-2.49	025	25.
48	4800.	2598.03	2599.51	-1.49	-2.45	025	28.
49	4900.	2598.38	2599.91	-1.53	-2.41	025	31.
50	5000.	2598.74	2600.31	-1.58	-2.38	025	37.
51	5100.	2599.09	2600.71	-1.62	-2.35	025	43.
52	5200.	2599.45	2601.11	-1.67	-2.33	025	45.
53	5300.	2599.80	2601.51	-1.71	-2.31	025	50.
54	5400.	2600.16	2601.91	-1.75	-2.29	025	52.
55	5500.	2600.51	2602.31	-1.80	-2.28	025	56.
56	5600.	2600.87	2602.71	-1.84	-2.26	025	61.
57	5700.	2601.22	2603.11	-1.89	-2.25	025	65.
58	5800.	2601.58	2603.51	-1.93	-2.24	020	66.
	5832.				SEC.	1.140	
59	5900.	2602.20	2604.12	-1.93	-2.23	020	67.
60	6000.	2603.21	2605.06	-1.85	-2.22	020	70.
61	6100.	2604.34	2606.09	-1.75	-2.21	020	71.
62	6200.	2605.47	2607.12	-1.65	-2.20	020	74.
63	6300.	2606.60	2608.16	-1.55	-2.18	020	73.
64	6400.	2607.73	2609.19	-1.46	-2.16	020	78.
	6452.				SEC.	1.400	
	6492.				SEC.	1.400	
65	6500.	2609.09	2610.37	-1.28	-2.14	020	81.
	6522.				SEC.	1.400	
	6532.				SEC.	1.400	
66	6600.	2610.20	2611.36	-1.15	-2.12	020	81.
67	6700.	2610.63	2611.80	-1.17	-2.10	020	82.
68	6800.	2610.85	2612.07	-1.22	-2.08	020	82.
69	6900.	2611.07	2612.34	-1.27	-2.06	020	80.

70	7000.	2611.29	2612.61	-1.32	-2.05	020	81.

70	7000.	2611.29	2612.61	-1.32	-2.05	020	81.
71	7100.	2611.51	2612.88	-1.37	-2.03	020	81.
	7112.				SEC.	1.500	
72	7200.	2611.96	2613.33	-1.37	-2.02	020	82.
73	7300.	2612.67	2615.97	-1.30	-2.00	020	82.
74	7400.	2613.42	2614.65	-1.23	-1.99	020	37.
75	7500.	2614.16	2615.32	-1.16	-1.97	020	37.
76	7600.	2614.90	2615.99	-1.08	-1.96	020	38.
77	7700.	2615.64	2616.66	-1.01	-1.94	020	39.
78	7800.	2616.39	2617.33	-0.94	-1.92	020	38.
79	7900.	2617.13	2618.00	-0.87	-1.90	020	38.
80	8000.	2617.87	2618.67	-0.79	-1.88	020	39.
81	8100.	2618.62	2619.34	-0.72	-1.86	020	41.
	8172.				SEC.	1.890	
82	8200.	2619.38	2620.04	-0.66	-1.84	020	42.
83	8300.	2620.22	2620.88	-0.66	-1.82	020	40.
84	8400.	2621.11	2621.80	-0.69	-1.80	020	43.
85	8500.	2622.01	2622.72	-0.71	-1.79	020	44.
86	8600.	2622.90	2623.65	-0.74	-1.77	020	49.
87	8700.	2623.80	2624.57	-0.77	-1.75	020	50.
88	8800.	2624.69	2625.49	-0.80	-1.74	015	49.
89	8900.	2625.58	2626.42	-0.83	-1.73	015	52.
90	9000.	2626.48	2627.34	-0.86	-1.71	015	52.
91	9100.	2627.37	2628.26	-0.89	-1.70	015	53.
	9182.				SEC.	1.910	
92	9200.	2628.37	2629.27	-0.89	-1.69	015	52.
	9222.				SEC.	1.910	
	9252.				SEC.	1.910	
	9292.				SEC.	1.910	
93	9300.	2629.28	2630.13	-0.85	-1.68	015	53.
94	9400.	2629.97	2630.79	-0.81	-1.66	015	54.
95	9500.	2630.84	2631.44	-0.79	-1.65	015	56.
96	9600.	2631.31	2632.09	-0.78	-1.64	015	56.
97	9700.	2631.99	2632.74	-0.76	-1.63	015	55.
98	9800.	2632.66	2633.40	-0.74	-1.62	015	55.
99	9900.	2633.35	2634.05	-0.72	-1.60	015	54.
100	10000.	2634.00	2634.70	-0.70	-1.59	015	53.
101	10100.	2634.67	2635.35	-0.68	-1.58	015	54.
	10172.				SEC.	2.100	
102	10200.	2635.29	2635.96	-0.67	-1.57	015	53.
103	10300.	2635.74	2636.43	-0.69	-1.56	015	53.
104	10400.	2636.06	2636.79	-0.73	-1.55	015	52.
105	10500.	2636.38	2637.15	-0.77	-1.54	015	51.
106	10600.	2636.70	2637.51	-0.81	-1.53	015	51.
107	10700.	2637.02	2637.87	-0.86	-1.52	015	50.
	10712.				SEC.	2.200	
108	10800.	2637.82	2638.66	-0.84	-1.51	015	51.
109	10900.	2639.18	2639.95	-0.77	-1.51	015	50.
	10912.				SEC.	2.250	
	10952.				SEC.	2.250	
	10982.				SEC.	2.250	
	10992.				SEC.	2.250	

	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
	10%	2%	0.2%
WEIGHTED AVG FOR REACH	-1.51	-0.44	0.80

CHF FOR REACH 2 = 015 WITH 50.% OF THE REACH WITHIN 0.5 FEET
ZONE FOR THE REACH = A 3

C07

CONTINUOUS FLOOD HAZARD FACTORS BY EVEN INCREMENTS

INC NO.	TOTAL LENGTH	AVG ELEVATION DATA 10¢	1¢	DIFF.	WTD. AVG.	FHF	PERCENT WITHIN
	0.				SEC.		0.160
	40.				SEC.		0.160
	41.				SEC.		0.160
	71.				SEC.		0.160
	72.				SEC.		0.160
	82.				SEC.		0.160
1	100.	2575.64	2578.22	-2.58	-2.58	025	100.
2	200.	2576.17	2578.78	-2.61	-2.60	025	100.
	242.				SEC.		0.210
	292.				SEC.		0.210
3	300.	2576.72	2579.24	-2.52	-2.57	025	100.
	322.				SEC.		0.210
	332.				SEC.		0.210
4	400.	2577.45	2580.40	-2.95	-2.67	025	100.
	422.				SEC.		0.260
	472.				SEC.		0.260
5	500.	2579.19	2582.97	-3.78	-2.89	030	100.
	502.				SEC.		0.260
	552.				SEC.		0.260
6	600.	2580.94	2584.73	-3.79	-3.04	030	100.
7	700.	2581.28	2584.77	-3.49	-3.10	030	100.
8	800.	2581.30	2584.78	-3.48	-3.15	030	100.
9	900.	2581.32	2584.79	-3.48	-3.19	030	100.
10	1000.	2581.33	2584.81	-3.47	-3.22	030	100.
11	1100.	2581.35	2584.82	-3.47	-3.24	030	100.
	1132.				SEC.		0.400
12	1200.	2581.51	2584.85	-3.34	-3.25	030	100.
13	1300.	2581.88	2584.92	-3.04	-3.23	030	100.
14	1400.	2582.32	2585.00	-2.68	-3.19	030	100.
	1452.				SEC.		0.460
15	1500.	2582.75	2585.17	-2.42	-3.14	030	100.
16	1600.	2583.19	2585.55	-2.36	-3.09	030	100.
17	1700.	2583.63	2586.04	-2.40	-3.05	030	100.
	1792.				SEC.		0.500
18	1800.	2584.07	2586.52	-2.44	-3.02	030	100.
	1872.				SEC.		0.520
19	1900.	2584.34	2587.39	-3.04	-3.02	030	100.
	1912.				SEC.		0.520
	1942.				SEC.		0.520
	1982.				SEC.		0.520
20	2000.	2585.78	2590.20	-4.42	-3.09	030	95.
21	2100.	2587.30	2592.45	-5.14	-3.19	030	90.
22	2200.	2587.58	2592.59	-5.01	-3.27	035	86.
23	2300.	2587.86	2592.74	-4.88	-3.34	035	83.

	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND 10¢	2¢	0.2¢
WEIGHTED AVG FOR REACH	-3.34	-0.96	1.38

D07

FHF FOR REACH 1 = 035 WITH 83.¢ OF THE REACH WITHIN 1.0 FEET
ZONE FOR THE REACH = A 7

24	2400.	2588.13	2592.89	-4.75	-4.75	050	100.
25	2500.	2588.41	2593.04	-4.62	-4.69	045	100.
26	2600.	2588.69	2593.18	-4.49	-4.62	045	100.
27	2700.	2588.97	2593.33	-4.36	-4.56	045	100.
	2702.				SEC.	0.650	
	2742.				SEC.	0.650	
	2772.				SEC.	0.650	
	2782.				SEC.	0.650	
28	2800.	2589.39	2593.72	-4.33	-4.51	045	100.
29	2900.	2589.97	2594.15	-4.18	-4.46	045	100.
30	3000.	2590.59	2594.40	-3.81	-4.36	045	100.
31	3100.	2591.21	2594.64	-3.44	-4.25	040	100.
32	3200.	2591.82	2594.89	-3.07	-4.12	040	89.
33	3300.	2592.44	2595.13	-2.70	-3.97	040	90.
34	3400.	2593.05	2595.38	-2.33	-3.83	040	82.
35	3500.	2593.67	2595.63	-1.96	-3.67	035	75.
36	3600.	2594.28	2595.87	-1.59	-3.51	035	62.
	3632.				SEC.	0.820	
	3672.				SEC.	0.820	

	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
	10¢	2¢	0.2¢
WEIGHTED AVG FOR REACH	-3.51	-0.81	1.19

FHF FOR REACH 2 = 035 WITH 62.¢ OF THE REACH WITHIN 1.0 FEET
ZONE FOR THE REACH = A 7

37	3700.	2595.21	2596.48	-1.27	-1.27	015	100.
	3702.				SEC.	0.820	
	3712.				SEC.	0.820	
38	3800.	2595.89	2597.04	-1.15	-1.21	010	100.
39	3900.	2596.01	2597.18	-1.18	-1.20	010	100.
40	4000.	2596.13	2597.33	-1.21	-1.20	010	100.
41	4100.	2596.25	2597.48	-1.23	-1.21	010	100.
42	4200.	2596.37	2597.62	-1.26	-1.22	010	100.
43	4300.	2596.49	2597.77	-1.28	-1.23	010	100.
	4352.				SEC.	0.950	
44	4400.	2596.67	2597.98	-1.31	-1.24	010	100.
45	4500.	2596.96	2598.31	-1.36	-1.25	010	100.
46	4600.	2597.31	2598.71	-1.40	-1.26	015	100.
47	4700.	2597.67	2599.11	-1.44	-1.28	015	100.
48	4800.	2598.03	2599.51	-1.49	-1.30	015	100.
49	4900.	2598.38	2599.91	-1.53	-1.32	015	100.
50	5000.	2598.74	2600.31	-1.58	-1.33	015	100.
51	5100.	2599.09	2600.71	-1.62	-1.35	015	100.
52	5200.	2599.45	2601.11	-1.67	-1.37	015	100.
53	5300.	2599.80	2601.51	-1.71	-1.39	015	100.
54	5400.	2600.16	2601.91	-1.75	-1.41	015	100.
55	5500.	2600.51	2602.31	-1.80	-1.43	015	100.
56	5600.	2600.87	2602.71	-1.84	-1.45	015	100.
57	5700.	2601.22	2603.11	-1.89	-1.47	015	100.
58	5800.	2601.58	2603.51	-1.93	-1.50	015	100.
	5832.				SEC.	1.140	
59	5900.	2602.20	2604.12	-1.93	-1.51	015	100.

E07

60	6000.	2603.21	2605.06	-1.85	-1.53	015	100.
61	6100.	2604.34	2606.09	-1.75	-1.54	015	100.
62	6200.	2605.47	2607.12	-1.65	-1.54	015	100.
63	6300.	2606.60	2608.16	-1.55	-1.54	015	100.
64	6400.	2607.75	2609.19	-1.46	-1.54	015	100.
	6452.				SEC.		1.400
	6492.				SEC.		1.400
65	6500.	2609.09	2610.37	-1.28	-1.53	015	100.
	6522.				SEC.		1.400
	6532.				SEC.		1.400
66	6600.	2610.20	2611.36	-1.15	-1.52	015	100.
67	6700.	2610.63	2611.80	-1.17	-1.51	015	100.
68	6800.	2610.85	2612.07	-1.22	-1.50	015	100.
69	6900.	2611.07	2612.34	-1.27	-1.49	015	100.
70	7000.	2611.29	2612.61	-1.32	-1.49	015	100.
71	7100.	2611.51	2612.88	-1.37	-1.48	015	100.
	7112.				SEC.		1.500
72	7200.	2611.96	2613.33	-1.37	-1.48	015	100.
73	7300.	2612.67	2613.97	-1.30	-1.47	015	100.
74	7400.	2613.42	2614.65	-1.23	-1.47	015	100.
75	7500.	2614.16	2615.32	-1.16	-1.46	015	100.
76	7600.	2614.90	2615.99	-1.08	-1.45	015	100.
77	7700.	2615.64	2616.66	-1.01	-1.44	015	100.
78	7800.	2616.39	2617.33	-0.94	-1.43	015	98.
79	7900.	2617.13	2618.00	-0.87	-1.42	015	93.
80	8000.	2617.87	2618.67	-0.79	-1.41	015	91.
81	8100.	2618.62	2619.34	-0.72	-1.39	015	89.
	8172.				SEC.		1.690
82	8200.	2619.38	2620.04	-0.66	-1.37	015	85.
83	8300.	2620.22	2620.88	-0.66	-1.35	015	85.
84	8400.	2621.11	2621.80	-0.69	-1.34	015	79.
85	8500.	2622.01	2622.72	-0.71	-1.33	015	78.
86	8600.	2622.90	2623.65	-0.74	-1.32	015	76.
87	8700.	2623.80	2624.57	-0.77	-1.31	015	75.
88	8800.	2624.69	2625.49	-0.80	-1.30	015	73.
89	8900.	2625.58	2626.42	-0.83	-1.29	015	75.
90	9000.	2626.48	2627.34	-0.86	-1.28	015	76.
91	9100.	2627.37	2628.26	-0.89	-1.27	015	78.
	9182.				SEC.		1.910
92	9200.	2628.37	2629.27	-0.89	-1.27	015	79.
	9222.				SEC.		1.910
	9252.				SEC.		1.910
	9292.				SEC.		1.910
93	9300.	2629.28	2630.13	-0.85	-1.26	015	79.
94	9400.	2629.97	2630.79	-0.81	-1.25	015	76.
95	9500.	2630.64	2631.44	-0.79	-1.24	010	78.
96	9600.	2631.31	2632.09	-0.78	-1.24	010	78.
97	9700.	2631.99	2632.74	-0.76	-1.23	010	79.
98	9800.	2632.66	2633.40	-0.74	-1.22	010	81.
99	9900.	2633.33	2634.05	-0.72	-1.21	010	83.
100	10000.	2634.00	2634.70	-0.70	-1.20	010	81.
101	10100.	2634.67	2635.35	-0.68	-1.20	010	80
	10172.				SEC.		2.100
102	10200.	2635.29	2635.96	-0.67	-1.19	010	80.
103	10300.	2635.74	2636.43	-0.69	-1.18	010	82.
104	10400.	2636.06	2636.79	-0.73	-1.17	010	84.
105	10500.	2636.38	2637.15	-0.77	-1.17	010	84.
106	10600.	2636.70	2637.51	-0.81	-1.16	010	84.
107	10700.	2637.02	2637.87	-0.86	-1.16	010	85.
	10712.				SEC.		2.200

F07

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108    10800. 2637.82 2638.66   -0.84      -1.15    010          86.
109    10900. 2639.18 2639.95   -0.77      -1.15    010          85.
       10912.                                SEC.       2.250
       10952.                                SEC.       2.250
       10982.                                SEC.       2.250
       10992.                                SEC.       2.250
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	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
	10¢	2¢	0.2¢
WEIGHTED AVG FOR REACH	-1.15	-0.38	0.73

FNF FOR REACH 3 = 010 WITH 85.¢ OF THE REACH WITHIN 0.5 FEET
ZONE FOR THE REACH = A 2

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