AD1

THIS RUN EXECUTED 02/28/81 11:55:51

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

T1      YANCEY CO NC FEMA STUDY              JLB 12-15-80                                  5
T2      10 YR FLOOD                                                                        10
T3      JACKS CREEK                          FLOOD PROFILES                                15
J1  ICHECK    INQ   NINV   IDIR   STRT  METRIC   HVINS     Q     WSEL     FQ
         0.     2.     0.     0. 0.01263     0.    0.0      0.    0.0      0.0          20
J2  NPROF   IPLOT   PRFVS   XSECV   XSECH      FN   ALLDC     IBW   CHNIM ITRACE
         0.     0.     -1.     0.      0.    0.0     0.0      0.      0.     0.          25
J3  VARIABLE CODES FOR SUMMARY PRINTOUT
      150.00   0.0  160.00    0.0     0.0    0.0     0.0      0.0     0.0    0.0        30
  QT      5.  2665.  4725.  5855.  9260.  5855.      0.       0.      0.     0.         35
  NC  0.090  0.120  0.050    0.1    0.5                                                   40

  X1    2.86    17.   165.   235.     0.     0.      0.      0.0     0.0     0.         45
  GR 2311.0   100. 2302.4   111. 2303.2   113. 2304.0   128. 2304.0   135.             50
  GR 2295.0   165. 2290.8   178. 2290.3   180. 2290.4   190. 2290.4   197.             55
  GR 2290.3   206. 2289.2   210. 2290.7   220. 2291.0   226. 2295.2   235.             60
  GR 2301.0   264. 2311.5   284.    0.0     0.    0.0     0.    0.0     0.             65
  QT      5.  2545.  4505.  5580.  8815.  5580.      0.       0.      0.     0.         70
  NC  0.130  0.100  0.045    0.0    0.0                                                   75

  X1    3.08    16.   167.   207.  1210.  1210.  1210.     0.0     0.0     0.         80
  GR 2324.6   100. 2324.5   111. 2323.3   124. 2310.3   149. 2306.2   157.             85
  GR 2305.5   167. 2301.7   174. 2300.8   178. 2300.8   185. 2300.7   190.             90
  GR 2300.1   192. 2301.3   199. 2304.8   207. 2312.2   305. 2315.0   305.             95
  GR 2322.2   325.    0.0     0.    0.0     0.    0.0     0.    0.0     0.            100

  X1    3.08     0.     0.     0.    40.    40.    40.     0.0     0.0     0.        105
  X3      10.    0.0    0.0    0.    0.0     0.    0.0  2308.7  2305.8              110
  SB    1.25    1.60   3.00     0.  21.00   0.02 128.00     0.0  2300.1  2300.1    115

  X1    3.08     0.     0.     0.    12.    12.    12.     0.0     0.0     0.        120
  X2      0.    0.0      1. 2306.2 2306.3   0.0     0.     0.0     0.0     0.        125
  X3      10.    0.0    0.0    0.    0.0     0.    0.0  2309.2  2306.3              130
  BT    11.0   100.0 2324.6    0.0   110.0 2324.5    0.0   124.0 2323.3    0.0       135
  BT   149.0  2310.3    0.0  174.0  2309.2    0.0  199.0  2306.5    0.0  199.0       140
  BT  2306.3     0.0  245.0 2308.0     0.0  288.0 2311.0     0.0  305.0 2312.5       145
  BT     0.0   305.0 2315.0    0.0     0.0    0.0    0.0     0.0     0.0    0.0      150
```

BD1

BD1

X1	3.08	16.	167.	207.	10.	10.	10.	0.0	0.0	0.	155
GR	2324.6	100.	2324.5	110.	2323.3	124.	2310.3	149.	2306.2	157.	160
GR	2305.5	167.	2301.7	174.	2300.8	178.	2300.8	185.	2300.7	190.	165
GR	2300.1	192.	2301.3	199.	2304.8	207.	2312.2	305.	2315.0	305.	170
GR	2322.2	325.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	175
QT	5.	2435.	4305.	5330.	8410.	5330.	0.	0.	0.	0.	180
NC	0.090	0.120	0.045	0.0	0.8						185
X1	3.28	21.	235.	281.	990.	990.	990.	0.0	0.0	0.	190
GR	2326.9	100.	2322.5	115.	2317.5	127.	2317.5	135.	2317.5	152.	195
GR	2316.5	157.	2312.5	168.	2310.7	235.	2309.0	240.	2306.4	248.	200
GR	2306.2	252.	2306.4	257.	2306.4	270.	2307.5	273.	2311.3	281.	205
GR	2317.7	294.	2317.5	302.	2317.6	310.	2322.0	333.	2324.4	400.	210
GR	2327.0	407.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	215
NC	0.0	0.0	0.0	0.0	0.5						220
X1	3.28	0.	0.	0.	40.	40.	40.	0.0	0.0	0.	225
X3	10.	0.0	0.0	0.	0.0	0.	0.0	2312.6	2313.8		230
SB	1.25	1.60	3.00	0.	30.00	0.10	230.00	0.0	2305.3	2305.3	235
X1	3.28	0.	0.	0.	12.	12.	12.	0.0	0.0	0.	240
X2	0.	0.0	1.	2313.0	2313.1	0.0	0.	0.0	0.0	0.	245
X3	10.	0.0	0.0	0.	0.0	0.	0.0	2313.1	2314.3		250
BT	19.0	100.0	2326.9	0.0	115.0	2322.5	0.0	127.0	2317.5	0.0	255
BT	135.0	2317.5	0.0	152.0	2317.5	0.0	157.0	2316.5	0.0	165.0	260
BT	2313.7	0.0	172.0	2313.1	0.0	239.0	2314.4	0.0	239.0	2314.8	265
BT	0.0	275.0	2314.6	0.0	275.0	2314.3	0.0	288.0	2314.7	0.0	270
BT	294.0	2317.7	0.0	302.0	2317.5	0.0	310.0	2317.6	0.0	333.0	275
BT	2322.0	0.0	400.0	2324.4	0.0	407.0	2327.0	0.0	0.0	0.0	280
NC	0.100	0.130	0.045	0.0	0.0						285
X1	3.28	0.	0.	0.	10.	10.	10.	0.0	0.0	0.	290
QT	5.	2310.	4085.	5055.	7965.	5055.	0.	0.	0.	0.	295
X1	3.50	0.	0.	0.	1150.	1150.	1150.	0.0	6.40	0.	300
QT	5.	2200.	3885.	4805.	7560.	4805.	0.	0.	0.	0.	305
NC	0.110	0.150	0.045	0.0	0.8						310
X1	3.70	19.	367.	415.	1010.	1010.	1010.	0.0	0.0	0.	315
GR	2338.5	100.	2332.2	108.	2332.2	117.	2332.2	130.	2331.2	145.	320
GR	2328.0	155.	2326.6	200.	2323.1	350.	2323.7	367.	2319.5	380.	325
GR	2318.6	385.	2318.3	394.	2317.7	400.	2319.0	406.	2323.5	415.	330
GR	2324.7	427.	2330.5	445.	2333.3	470.	2339.3	491.	0.0	0.	335
NC	0.0	0.0	0.0	0.0	0.5						340
X1	3.70	0.	0.	0.	100.	100.	100.	0.0	0.0	0.	345
X3	10.	0.0	0.0	0.	0.0	0.	0.0	2326.5	2330.0		350
SB	1.25	1.60	3.00	0.	25.00	0.70	370.00	1.60	2318.6	2318.6	355
X1	3.70	0.	0.	0.	21.	21.	21.	0.0	0.0	0.	360
X2	0.	0.0	1.	2328.0	2328.9	0.0	0.	0.0	0.0	0.	365

C01

								0.0	2328.9	2330.5	370

```
X1   3.70      0.
X2     0.    0.0       1.  2328.0  2328.9   0.0      0.    0.0     0.0      0.
```

CD1

```
X3     10.     0.0     0.0      0.     0.0      0.     0.0  2328.9  2330.5             370
BT   14.0   100.0  2338.5      0.0  108.0  2332.2     0.0   117.0  2332.2      0.0    375
BT  130.0  2332.2     0.0    145.0  2331.2     0.0   150.0  2329.8     0.0    255.0  380
BT 2328.9     0.0   357.0   2329.7     0.0   357.0  2331.4     0.0   415.0   2331.7  385
BT    0.0   415.0  2330.5      0.0  460.0  2332.5     0.0   470.0  2333.3      0.0    390
BT  491.0  2339.3     0.0      0.0     0.0     0.0     0.0     0.0     0.0      0.0    395
NC  0.080   0.100   0.045      0.0     0.0                                             400

X1   3.70      0.      0.      0.     25.     25.     25.     0.0     0.0      0.     405
QT      5.   2185.   3855.   4770.   7495.   4770.      0.      0.      0.       0.    410
NC  0.150   0.150   0.055      0.0     0.8                                             415

X1   3.73      0.      0.      0.     85.     85.     85.     0.0    2.80      0.     420
QT      5.   2165.   3825.   4730.   7435.   4730.      0.      0.      0.       0.    425
NC  0.100   0.120   0.055      0.0     0.8                                             430

X1   3.76     17.    227.    275.     85.     85.     85.     0.0     0.0      0.     435
GR 2342.5    100.  2334.2    117.  2331.2    144.  2332.2    160.  2331.6     170.   440
GR 2328.3    177.  2327.6    227.  2324.5    234.  2322.7    239.  2322.0     245.   445
GR 2321.3    253.  2321.3    258.  2321.6    261.  2322.1    262.  2327.5     275.   450
GR 2337.5    300.  2342.3    316.     0.0      0.     0.0      0.     0.0       0.    455
NC   0.0     0.0     0.0      0.0     0.5                                             460

X1   3.76     17.    227.    275.     60.     60.     60.     0.0     0.0      0.     465
X3     10.     0.0     0.0      0.     0.0      0.     0.0  2328.4  2330.7             470
GR 2342.5    100.  2334.2    117.  2331.2    144.  2332.2    160.  2331.6     170.   475
GR 2328.3    177.  2327.6    227.  2324.5    234.  2322.7    239.  2322.0     245.   480
GR 2321.3    253.  2321.3    258.  2321.6    261.  2322.1    262.  2327.5     275.   485
GR 2337.5    300.  2342.3    316.     0.0      0.     0.0      0.     0.0       0.    490
SB   1.25    1.60    3.00      0.    28.00    0.60  200.00     0.0  2321.3  2321.3     495

X1   3.76      0.      0.      0.     16.     16.     16.     0.0     0.0      0.     500
X2     0.    0.0       1.  2328.6  2328.9     0.0      0.     0.0     0.0      0.    505
X3     10.     0.0     0.0      0.     0.0      0.     0.0  2328.9  2331.2             510
BT   13.0   100.0  2342.5      0.0  117.0  2334.2     0.0   144.0  2331.2      0.0    515
BT  160.0  2332.2     0.0    170.0  2331.6     0.0   176.0  2328.9     0.0    229.0  520
BT 2330.5     0.0   230.0   2331.7     0.0   263.0  2332.5     0.0   263.0   2331.2  525
BT    0.0   286.0  2331.7      0.0  300.0  2337.5     0.0   316.0  2342.3      0.0    530

X1   3.76     17.    227.    275.     15.     15.     15.     0.0     0.0      0.     535
GR 2342.5    100.  2334.2    117.  2331.2    144.  2332.2    160.  2331.6     170.   540
GR 2328.3    177.  2327.6    227.  2324.5    234.  2322.7    239.  2322.0     245.   545
GR 2321.3    253.  2321.3    258.  2321.6    261.  2322.1    262.  2327.5     275.   550
GR 2337.5    300.  2342.3    316.     0.0      0.     0.0      0.     0.0       0.    555
QT      5.   2090.   3685.   4555.   7155.   4555.      0.      0.      0.       0.    560
NC  0.070   0.090   0.045      0.0     0.0                                             565

X1   3.94     15.    200.    245.    910.    910.    910.     0.0     0.0      0.     570
GR 2349.5    100.  2335.8    120.  2336.9    129.  2336.1    146.  2336.3     155.   575
GR 2332.0    167.  2331.1    200.  2326.3    217.  2323.8    225.  2323.8     227.   580
GR 2326.3    234.  2330.3    245.  2334.2    290.  2341.5    320.  2346.3     335.   585
```

DD1

DD1

```
X1   3.94     15.    200.    245.     60.     60.     60.    0.0    0.0     0.    590
X3     10.    0.0     0.0      0.    0.0      0.     0.0 2333.4 2333.0           595
GR 2349.5    100. 2335.8    120. 2336.9    129. 2336.1    146. 2336.3    155.    600
GR 2332.0    167. 2331.1    200. 2326.3    217. 2323.8    225. 2323.8    227.    605
GR 2326.3    234. 2330.3    245. 2334.2    290. 2341.5    320. 2346.3    335.    610
SB    1.25   1.60    3.00      0.   17.00   0.90 145.00    0.0 2323.8 2323.8    615

X1   3.94      0.      0.      0.     13.     13.     13.    0.0    0.0     0.    620
X2     0.    0.0      1. 2332.8 2333.5    0.0      0.    0.0    0.0     0.    625
X3     10.    0.0     0.0      0.    0.0      0.     0.0 2333.9 2333.5           630
BT   14.0  100.0 2349.5     0.0  120.0 2335.8     0.0  129.0 2336.9     0.0    635
BT  146.0 2336.1     0.0  155.0 2336.3     0.0  157.0 2335.5     0.0  215.0    640
BT 2333.9     0.0  215.0 2334.5     0.0  237.0 2334.0     0.0  237.0 2333.5    645
BT    0.0   252.0 2333.5     0.0  290.0 2334.2     0.0  320.0 2341.5     0.0    650
BT  335.0 2346.3     0.0     0.0    0.0     0.0     0.0    0.0    0.0     0.0    655
NC  0.100   0.100   0.045     0.0    0.0                                        660

X1   3.94     15.    200.    245.     15.     15.     15.    0.0    0.0     0.    665
GR 2349.5    100. 2335.8    120. 2336.9    129. 2336.1    146. 2336.3    155.    670
GR 2332.0    167. 2331.1    200. 2326.3    217. 2325.7    225. 2325.7    227.    675
GR 2326.3    234. 2330.3    245. 2334.2    290. 2341.5    320. 2346.3    335.    680
NC  0.150   0.150   0.055     0.0    0.0                                        685

X1   3.96      0.      0.      0.    100.    100.    100.    0.0    0.0     0.    690
QT     5.  2065.  3645.  4500.  7070.  4500.      0.     0.     0.     0.    695
NC  0.120   0.120   0.055     0.0    0.8                                        700

X1   4.00     14.    157.    195.    180.    180.    180.    0.0    0.0     0.    705
GR 2355.0    100. 2346.8    104. 2340.5    115. 2341.0    128. 2341.6    140.    710
GR 2341.0    147. 2337.0    157. 2331.7    173. 2329.3    181. 2329.3    183.    715
GR 2332.7    189. 2338.0    195. 2345.5    237. 2351.4    251.    0.0     0.    720
NC    0.0      0.0     0.0     0.0    0.5                                        725

X1   4.00     14.    157.    195.     40.     40.     40.    0.0    0.0     0.    730
GR 2355.0    100. 2346.8    104. 2340.5    115. 2341.0    128. 2341.6    140.    735
GR 2341.0    147. 2337.0    157. 2331.7    173. 2329.3    181. 2329.3    183.    740
GR 2332.7    189. 2338.0    195. 2345.5    237. 2351.4    251.    0.0      0.    745
SB    1.25   1.60    3.00      0.   16.00   0.50 177.00    0.0 2329.3 2329.3    750

X1   4.00      0.      0.      0.     15.     15.     15.    0.0    0.0     0.    755
X2     0.    0.0      1. 2340.7 2340.5    0.0      0.    0.0    0.0     0.    760
BT   10.0  100.0 2355.0     0.0  104.0 2346.8     0.0  115.0 2340.5     0.0    765
BT  132.0 2341.7     0.0  167.0 2341.4     0.0  167.0 2341.6     0.0  188.0    770
BT 2342.5     0.0  190.0 2342.2     0.0  242.0 2347.2     0.0  251.0 2351.4    775
BT    0.0     0.0     0.0     0.0    0.0     0.0     0.0    0.0    0.0     0.0    780
NC  0.080   0.100   0.040     0.0    0.0                                        785

X1   4.00     14.    157.    195.     10.     10.     10.    0.0    0.0     0.    790
GR 2355.0    100. 2346.8    104. 2340.5    115. 2341.0    128. 2341.6    140.    795
GR 2341.0    147. 2337.0    157. 2331.7    173. 2331.2    181. 2331.2    183.    800
GR 2332.7    189. 2338.0    195. 2345.5    237. 2351.4    251.    0.0      0.    805
QT     5.  1965.  3460.  4270.  6695.  4270.      0.     0.     0.     0.    810
NC  0.080   0.100   0.050     0.0    0.8                                        815
```

EDI

```
NC  0.080   0.100   0.050     0.0     0.8
```

EO1

```
X1   4.25     14.    243.    278.   1265.   1265.   1265.   0.0   -2.30     0.   820
GR 2362.7    100.  2356.8    116.  2357.5    120.  2357.5   137.  2350.2   157.  825
GR 2346.7    243.  2342.5    250.  2342.3    252.  2342.4   260.  2342.5   264.  830
GR 2349.5    278.  2350.8    300.  2360.5    320.  2362.5   329.     0.0     0.  835
NC   0.0     0.0    0.040     0.0     0.5                                        840

X1   4.26     14.    243.    278.     60.     60.     60.   0.0     0.0     0.  845
X3    10.     0.0     0.0      0.     0.0      0.     0.0  2349.4  2349.5        850
GR 2362.7    100.  2356.8    116.  2357.5    120.  2357.5   137.  2350.2   157.  855
GR 2346.7    243.  2342.5    250.  2342.3    252.  2342.4   260.  2342.5   264.  860
GR 2349.5    278.  2350.8    300.  2360.5    320.  2362.5   329.     0.0     0.  865
SB   1.25    1.60    3.00      0.    10.00    0.01   57.00   0.0   2342.3  2342.3 870

X1   4.26      0.      0.      0.     17.     17.     17.   0.0     0.0     0.  875
X2     0.    0.0       1.  2348.0  2349.9    0.0      0.   0.0     0.0     0.  880
X3    10.     0.0     0.0      0.     0.0      0.     0.0  2349.9  2350.0        885
BT   12.0   100.0  2362.7      0.0  116.0  2356.8      0.0  120.0  2357.5     0.0 890
BT  137.0  2357.5     0.0    144.0  2356.0     0.0    199.0  2351.0     0.0  248.0 895
BT 2349.9     0.0   262.0   2350.2     0.0   263.0   2350.0     0.0   304.0  2353.1 900
BT    0.0   320.0  2360.5      0.0   329.0  2362.5      0.0     0.0     0.0     0.0 905
NC  0.090   0.150   0.045      0.0     0.0                                        910

X1   4.26     14.    243.    278.     15.     15.     15.   0.0     0.0     0.  915
GR 2362.7    100.  2356.8    116.  2357.5    120.  2357.5   137.  2350.2   157.  920
GR 2346.7    243.  2342.5    250.  2342.3    252.  2342.4   260.  2342.5   264.  925
GR 2349.5    278.  2350.8    300.  2360.5    320.  2362.5   329.     0.0     0.  930
QT     5.   1865.   3275.   4040.   6330.   4040.      0.      0.      0.      0. 935
NC  0.090   0.090   0.045      0.0     0.0                                        940

X1   4.53      9.     63.    115.   1450.   1450.   1450.   0.0     0.0     0.  945
GR 2391.5      0.  2369.5     32.  2362.5     63.  2357.0    76.  2356.4    86.  950
GR 2355.0     88.  2356.4    104.  2362.8    115.  2378.5   143.     0.0     0.  955
EJ                                                                             960
```

FD1

FD1

*PROF 1

CCHV= 0.100 CEHV= 0.500

*SECNO 2.860

2096 WSEL NOT GIVEN,AVG OF MAX,MIN USED

JACKS CREEK 10 YR FLOOD 02/28/81

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
2.86	2665.	0.	2665.	0.	1.18	0	73.	
2295.50	0.0	0.	305.	0.	0.50	0	2295.00	
6.30	0.0	0.71	8.73	0.38	0.0	2296.68	2295.20	
0.012580	0.0	0.090	0.050	0.120	0.0	-0.00	163.35	
	2289.20	0.	0.	0.	37.	36.	236.48	0.
*SECNO 3.080								
3.08	2545.	35.	2399.	110.	1.42	5	93.	
2307.83	0.0	22.	244.	61.	0.24	0	2305.50	
7.73	0.0	1.57	9.84	1.81	12.46	2309.25	2304.80	
0.008509	0.045	0.130	0.045	0.100	0.12	-0.00	153.81	
	2300.10	1210.	1210.	1210.	33.	60.	247.20	9.
*SECNO 3.080								
*** GR CARDS REPEATED								
3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 2308.70 ELREA= 2305.80								
3.08	2545.	0.	2397.	148.	1.19	2	87.	
2308.38	0.0	0.	265.	85.	-0.23	0	2305.50	
8.28	0.0	0.0	9.03	1.75	0.29	2309.57	2304.80	
0.006393	0.045	0.130	0.045	0.100	0.02	-0.00	167.00	
	2300.10	40.	40.	40.	20.	67.	254.37	9.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	21.00	0.02	128.00	0.0

ELCHU	ELCHD
2300.10	2300.10

*SECNO 3.080

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2318.20	2309.58	0.01	1366.	1188.	128.	128.	2306.20

GD1

GD1

ELTRD
2306.30

3.08	2545.	73.	2222.	250.	0.63	2	125.	
2309.88	0.0	54.	326.	172.	-0.56	0	2305.50	
9.78	0.0	1.35	6.82	1.46	0.94	2310.51	2304.80	
0.002774	0.045	0.130	0.045	0.100	0.0	-0.00	149.80	
	2300.10	12.	12.	12.	37.	87.	274.40	9.

*SECNO 3.080
JACKS CREEK 10 YR FLOOD 02/28/81

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
3.08	2545.	73.	2219.	252.	0.63	0	125.	
2309.92	0.0	54.	327.	174.	-0.01	0	2305.50	
9.82	0.0	1.35	6.78	1.45	0.03	2310.54	2304.80	
0.002725	0.045	0.130	0.045	0.100	0.00	-0.00	149.73	
	2300.10	10.	10.	10.	37.	88.	274.88	9.

CCHV= 0.100 CEHV= 0.800
*SECNO 3.280

3.28	2435.	230.	2201.	4.	0.86	2	120.	
2313.48	0.0	127.	282.	5.	0.23	0	2310.70	
8.08	0.0	1.81	7.79	0.88	3.61	2314.34	2311.30	
0.005223	0.045	0.090	0.045	0.120	0.18	-0.00	165.30	
	2305.40	990.	990.	990.	93.	27.	285.43	20.

CCHV= 0.100 CEHV= 0.500
*SECNO 3.280

**** GR CARDS REPEATED

3.28	2435.	271.	2159.	6.	0.73	2	122.	
2313.81	0.0	150.	297.	6.	-0.13	0	2310.70	
8.41	0.0	1.80	7.26	0.87	0.19	2314.54	2311.30	
0.004232	0.045	0.090	0.045	0.120	0.01	-0.00	164.41	
	2305.40	40.	40.	40.	94.	28.	286.09	21.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	30.00	0.10	230.00	0.0
	ELCHU	ELCHD						
	2305.30	2305.30						

*SECNO 3.280

**** GR CARDS REPEATED
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC

HD1

EGPRS EGLWC H3 QWEIR QPR BRKEA TAREA

H01

2316.59	2314.55	0.01	590.	1837.	230.	230.	2313.00	
ELTRD								
2313.10								
3.28	2435.	394.	2030.	11.	0.44	2	127.	
2314.95	0.0	233.	350.	14.	-0.29	0	2310.70	
9.55	0.0	1.69	5.80	0.80	0.85	2315.39	2311.30	
0.002168	0.045	0.090	0.045	0.120	0.0	-0.00	161.25	
	2305.40	12.	12.	12.	97.	30.	288.43	21.

*SECNO 3.280

*** GR CARDS REPEATED

3.28	2435.	362.	2062.	10.	0.46	1	127.	
2314.96	0.0	234.	351.	14.	0.02	0	2310.70	
9.56	0.0	1.55	5.87	0.75	0.02	2315.42	2311.30	
0.002220	0.045	0.100	0.045	0.130	0.01	-0.00	161.20	
	2305.40	10.	10.	10.	97.	30.	288.46	21.

*SECNO 3.500

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

JACKS CREEK			10 YR FLOOD		02/28/81			
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
3.50	2310.	96.	2213.	1.	1.24	3	116.	
2319.02	0.0	68.	243.	2.	0.78	0	2317.10	
7.22	0.0	1.41	9.12	0.75	4.44	2320.26	2317.70	
0.008769	0.045	0.100	0.045	0.130	0.39	-0.00	167.68	
	2311.80	1150.	1150.	1150.	90.	26.	283.67	33.

CCHV= 0.100 CEHV= 0.800
*SECNO 3.700

3301 HV CHANGED MORE THAN HVINS

3.70	2200.	220.	1961.	18.	0.66	4	193.	
2325.73	0.0	188.	284.	21.	-0.58	0	2323.70	
8.03	0.0	1.17	6.91	0.86	6.08	2326.40	2323.50	
0.004327	0.045	0.110	0.045	0.150	0.06	-0.00	237.20	
	2317.70	1010.	1010.	1010.	154.	39.	430.20	42.

CCHV= 0.100 CEHV= 0.800
*SECNO 3.700

*** GR CARDS REPEATED

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 2326.50 ELREA= 2330.00

3.70	2200.	0.	2200.	0.	0.83	2	48.
2326.09	0.0	0.	301.	0.	0.17	0	2323.70
8.39	0.0	0.0	7.31	0.0	0.44	2326.92	2323.50
0.004478	0.045	0.110	0.045	0.150	0.08	-0.00	367.00
	2317.70	100.	100.	100.	24.	24.	415.00 43.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	25.00	0.70	370.00	1.60

ELCHU	ELCHD
2318.60	2318.60

*SECNO 3.700

**** GR CARDS REPEATED
CLASS A LOW FLOW

3420 BRIDGE W.S.= 2326.03 BRIDGE VELOCITY= 8.18
CALCULATED CHANNEL AREA= 269.

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
0.0	2326.97	0.07	0.	2200.	370.	370.	2328.00

ELTRD
2328.90

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 2328.90 ELREA= 2330.50

3.70	2200.	0.	2200.	0.	0.81	0	48.
2326.16	0.0	0.	304.	0.	-0.02	0	2323.70
8.46	0.0	0.0	7.23	0.0	0.05	2326.97	2323.50
0.004319	0.045	0.110	0.045	0.150	0.0	0.0	367.00
	2317.70	21.	21.	21.	24.	24.	415.00 43.

*SECNO 3.700

**** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

3.70	2200.	465.	1691.	44.	0.31	2	239.
2326.78	0.0	348.	334.	39.	-0.50	0	2323.70
9.08	0.0	1.34	5.06	1.13	0.07	2327.09	2323.50
0.001863	0.045	0.080	0.045	0.100	0.05	-0.00	194.09
	2317.70	25.	25.	25.	197.	42.	433.47 44.

CCHV= 0.100 CEHV= 0.800
*SECNO 3.730

**** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

J01

JACKS CREEK 10 YR FLOOD 02/28/81

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
3.73	2185.	33.	2151.	1.	1.69	4	113.	
2326.88	2326.81	32.	205.	2.	1.38	19	2326.50	
6.38	0.0	1.02	10.51	0.66	0.38	2328.57	2326.30	
0.023089	0.045	0.150	0.055	0.150	1.10	-0.00	307.82	
	2320.50	85.	85.	85.	83.	30.	420.84	45.

CCHV= 0.100 CEHV= 0.800
*SECNO 3.760

3301 HV CHANGED MORE THAN HVINS

3.76	2165.	66.	2097.	2.	0.95	3	103.	
2328.89	0.0	48.	264.	2.	-0.74	0	2327.60	
7.59	0.0	1.38	7.94	0.90	1.20	2329.84	2327.50	
0.009443	0.045	0.100	0.055	0.120	0.07	-0.00	175.74	
	2321.30	85.	85.	85.	75.	27.	278.48	45.

CCHV= 0.100 CEHV= 0.500
*SECNO 3.760

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 2328.40 ELREA= 2330.70

3.76	2165.	137.	2028.	0.	0.67	2	101.	
2329.64	0.0	87.	300.	0.	-0.28	0	2327.60	
8.34	0.0	1.59	6.76	0.0	0.44	2330.31	2327.50	
0.005770	0.045	0.100	0.055	0.120	0.03	-0.00	174.15	
	2321.30	60.	60.	60.	77.	24.	275.00	46.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	28.00	0.60	200.00	0.0
ELCHU	ELCHD							
2321.30	2321.30							

*SECNO 3.760

**** GR CARDS REPEATED
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2332.55	2330.36	0.05	414.	1730.	200.	200.	2328.60

ELTRD
2328.90

K01

[illegible] ASSUMED NON-EFFECTIVE,ELLEA= 2328.90 ELREA= 2331.20

KO1

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 2328.90 ELREA= 2331.20

3.76	2165.	264.	1901.	0.	0.36	2	104.	
2331.14	0.0	169.	372.	0.	-0.31	0	2327.60	
9.84	0.0	1.57	5.10	0.0	1.19	2331.50	2327.50	
0.002470	0.045	0.100	0.055	0.120	0.0	-0.00	170.96	
	2321.30	16.	16.	16.	80.	24.	275.00	46.

*SECNO 3.760

3.76	2165.	266.	1885.	15.	0.35	1	113.	
2331.19	0.0	171.	375.	17.	-0.01	0	2327.60	
9.89	0.0	1.55	5.03	0.87	0.04	2331.54	2327.50	
0.002379	0.045	0.100	0.055	0.120	0.00	-0.00	170.86	
	2321.30	15.	15.	15.	80.	33.	284.24	46.

*SECNO 3.940

JACKS CREEK 10 YR FLOOD 02/28/81

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
3.94	2090.	140.	1865.	85.	0.58	2	121.	
2333.62	0.0	72.	290.	64.	0.23	0	2331.10	
9.82	0.0	1.95	6.42	1.34	2.54	2334.20	2330.30	
0.003356	0.045	0.070	0.045	0.090	0.12	-0.00	162.48	
	2323.80	910.	910.	910.	60.	61.	283.29	56.

*SECNO 3.940

3.94	2090.	158.	1836.	96.	0.51	2	125.	
2333.88	0.0	82.	302.	74.	-0.07	0	2331.10	
10.08	0.0	1.93	6.08	1.30	0.19	2334.39	2330.30	
0.002851	0.045	0.070	0.045	0.090	0.01	-0.00	161.76	
	2323.80	60.	60.	60.	61.	64.	286.29	57.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	17.00	0.90	145.00	0.0
	ELCHU	ELCHD						
	2323.80	2323.80						

*SECNO 3.940

**** GR CARDS REPEATED
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2339.04	2334.47	0.08	813.	1277.	145.	145.	2332.80

ELTRD
2333.50

LO1

```
    3.94      2090.      253.     1655.      182.     0.24         2      139.
 2335.56       0.0       150.      378.      153.    -0.27         0  2331.10
   11.76       0.0      1.68      4.38      1.19     1.42   2335.80  2330.30
0.001098     0.045     0.070     0.045     0.090      0.0     -0.00  157.06
            2323.80       13.       13.       13.      65.       73.  295.60      57.

*SECNO 3.940
    3.94      2090.      196.     1712.      182.     0.29         2      138.
 2335.55       0.0       150.      359.      152.     0.05         0  2331.10
    9.85       0.0      1.31      4.76      1.19     0.02   2335.85  2330.30
0.001359     0.045     0.100     0.045     0.100     0.02     -0.00  157.08
            2325.70       15.       15.       15.      65.       73.  295.57      57.

*SECNO 3.960

**** GR CARDS REPEATED
    3.96      2090.      170.     1760.      160.     0.30         2      140.
 2335.71       0.0       157.      366.      161.     0.01         0  2331.10
   10.01       0.0      1.09      4.80      0.99     0.16   2336.02  2330.30
0.002009     0.045     0.150     0.055     0.150     0.01     -0.00  156.64
            2325.70       100.      100.      100.      66.       74.  296.22      59.

CCHV=   0.100 CEHV=   0.800
*SECNO 4.000
3301 HV CHANGED MORE THAN HVINS

   JACKS CREEK                    10 YR FLOOD          02/28/81
  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
    4.00      2065.        0.      2065.        0.     2.33         2       38.
 2337.33   2337.33         0.       169.        0.     2.02        15  2337.00
    8.03       0.0      0.63     12.25       0.0     0.91   2339.66  2338.00
0.031272     0.046     0.120     0.055     0.120     1.62     -0.00  156.17
            2329.30       180.      180.      180.      20.       18.  194.25      61.

CCHV=   0.100 CEHV=   0.500
*SECNO 4.000

3301 HV CHANGED MORE THAN HVINS

    4.00      2065.        8.      2052.        4.     1.09         3       51.
 2339.32       0.0         7.       244.        5.    -1.23         0  2337.00
   10.02       0.0      1.26      8.42       0.90     0.63   2340.41  2338.00
0.009353     0.046     0.120     0.055     0.120     0.12     -0.00  151.21
            2329.30       40.       40.       40.      25.       26.  202.36      61.

SPECIAL BRIDGE
```

SPECIAL BRIDGE

MD1

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	16.00	0.50	177.00	0.0
	ELCHU	ELCHD						
	2329.30	2329.30						

*SECNO 4.000

**** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC	
2342.22	2341.94	0.14	133.	1914.	177.	177.	2340.70	
ELTRD								
2340.50								
4.00	2065.	45.	1981.	39.	0.52	2	103.	
2341.70	0.0	48.	334.	38.	-0.57	0	2337.00	
12.40	0.0	0.94	5.92	1.02	1.81	2342.22	2338.00	
0.003036	0.046	0.120	0.055	0.120	0.0	-0.00	112.91	
	2329.30	15.	15.	15.	63.	40.	215.72	61.

*SECNO 4.000

4.00	2065.	53.	1976.	36.	0.58	2	103.	
2341.69	0.0	48.	317.	38.	0.06	0	2337.00	
10.49	0.0	1.10	6.23	0.95	0.02	2342.27	2338.00	
0.001846	0.046	0.080	0.040	0.100	0.03	-0.00	112.92	
	2331.20	10.	10.	10.	63.	40.	215.67	61.

CCHV= 0.100 CEHV= 0.800
*SECNO 4.250

3301 HV CHANGED MORE THAN HVINS

JACKS CREEK			10 YR FLOOD		02/28/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	H	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

4.25	1965.	185.	1780.	0.	1.60	3	92.	
2346.76	2346.76	68.	168.	0.	1.02	14	2344.40	
6.76	0.0	2.70	10.62	0.0	5.15	2348.36	2347.20	
0.016917	0.046	0.080	0.050	0.100	0.81	-0.00	185.04	
	2340.00	1265.	1265.	1265.	75.	17.	277.12	70.

CCHV= 0.100 CEHV= 0.500
*SECNO 4.260

3301 HV CHANGED MORE THAN HVINS

JACKS CREEK 10 YR FLOOD 02/28/81

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= 2349.40 ELREA= 2349.50

4.26	1965.	0.	1965.	0.	2.38	20	34.	
2348.80	2348.80	0.	159.	0.	0.78	10	2346.70	
6.50	0.0	0.0	12.38	0.0	0.97	2351.17	2349.50	
0.015493	0.046	0.080	0.040	0.100	0.39	-0.00	243.00	
	2342.30	60.	60.	60.	18.	16.	276.59	71.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	10.00	0.01	57.00	0.0

ELCHU	ELCHD
2342.30	2342.30

*SECNO 4.260

**** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2378.32	2351.17	0.03	1218.	754.	57.	57.	2348.00

ELTRD
2349.90

4.26	1965.	580.	1330.	55.	0.21	2	155.	
2352.93	0.0	395.	303.	66.	-2.17	0	2346.70	
10.63	0.0	1.47	4.39	0.84	1.97	2353.14	2349.50	
0.000872	0.046	0.080	0.040	0.100	0.0	-0.00	149.53	
	2342.30	17.	17.	17.	111.	44.	304.39	71.

*SECNO 4.260

4.26	1965.	585.	1338.	42.	0.22	2	155.	
2352.94	0.0	396.	303.	66.	0.00	0	2346.70	
10.64	0.0	1.48	4.41	0.63	0.01	2353.16	2349.50	
0.001113	0.046	0.090	0.045	0.150	0.00	-0.00	149.50	
	2342.30	15.	15.	15.	111.	44.	304.41	71.

*SECNO 4.530

3301 HV CHANGED MORE THAN HVINS

JACKS CREEK 10 YR FLOOD 02/28/81

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
	1865.	0.	1865.	0.	1.91	20	45.	
4.53								
2360.84	2360.84	0.	168.	0.	1.69	11	2362.50	
5.84	0.0	0.0	11.09	0.0	4.12	2362.75	2362.80	
0.020693	0.046	0.090	0.045	0.090	0.85	-0.00	66.93	
	2355.00	1450.	1450.	1450.	22.	23.	111.63	87.

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

C02

THIS RUN EXECUTED 02/28/81 11:56:02

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

T1      YANCEY CO NC FEMA STUDY                                        965
T2      50 YR FLOOD                                                    970
T3      JACKS CREEK                                                    975

J1  ICHECK    INQ    NINV    IDIR    STRT  METRIC   HVINS     Q      WSEL    FQ
        0.     3.      0.      0. 0.01263      0.    0.0      0.     0.0    0.0     980
J2  NPROF   IPLOT   PRFVS   XSECV   XSECH      FN   ALLDC     IBW   CHNIM ITRACE
        2.     0.     -1.      0.      0.     0.0     0.0      0.      0.     0.     985
```

D02

*PROF 2

CCHV= 0.100 CEHV= 0.500

*SECNO 2.860

2096 WSEL NOT GIVEN,AVG OF MAX,MIN USED

JACKS CREEK 50 YR FLOOD 02/28/81

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
2.86	4725.	17.	4694.	15.	1.85	0	88.	
2297.26	0.0	9.	428.	11.	0.50	0	2295.00	
8.06	0.0	1.95	10.96	1.40	0.0	2299.11	2295.20	
0.012584	0.0	0.090	0.050	0.120	0.0	-0.00	157.47	
	2289.20	0.	0.	0.	43.	45.	245.29	0.

*SECNO 3.080

3.08	4505.	128.	3938.	439.	2.01	5	124.	
2309.86	0.0	53.	325.	170.	0.15	0	2305.50	
9.76	0.0	2.40	12.12	2.58	12.68	2311.87	2304.80	
0.008797	0.045	0.130	0.045	0.100	0.08	-0.00	149.85	
	2300.10	1210.	1210.	1210.	37.	87.	274.07	14.

*SECNO 3.080

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

3.08	4505.	152.	3809.	544.	1.49	3	137.	
2310.72	0.0	69.	359.	232.	-0.52	0	2305.50	
10.62	0.0	2.21	10.61	2.35	0.29	2312.21	2304.80	
0.005902	0.045	0.130	0.045	0.100	0.05	-0.00	148.20	
	2300.10	40.	40.	40.	39.	98.	285.35	14.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	21.00	0.02	128.00	0.0
ELCHD		ELCHD						
2300.10		2300.10						

*SECNO 3.080

*** GR CARDS REPEATED

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2341.49	2312.21	0.01	3421.	1098.	128.	128.	2306.20

ELTRD
2306.30

2308.30

E02

3.08	4505.	168.	3717.	620.	1.21	3	147.	
2311.33	0.0	81.	384.	283.	-0.28	0	2305.50	
11.23	0.0	2.09	9.69	2.19	0.34	2312.55	2304.80	
0.004501	0.045	0.130	0.045	0.100	0.00	-0.00	147.01	
	2300.10	12.	12.	12.	40.	107.	293.54	15.

*SECNO 3.080
JACKS CREEK 50 YR FLOOD 02/28/81

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
3.08	4505.	170.	3709.	627.	1.19	1	147.	
2311.40	0.0	82.	386.	288.	-0.02	0	2305.50	
11.30	0.0	2.08	9.61	2.18	0.04	2312.59	2304.80	
0.004395	0.045	0.130	0.045	0.100	0.00	-0.00	146.90	
	2300.10	10.	10.	10.	40.	107.	294.28	15.

CCHV= 0.100 CEHV= 0.800
*SECNO 3.280

3.23	4305.	840.	3437.	28.	0.97	2	132.	
2315.90	0.0	304.	394.	22.	-0.23	0	2310.70	
10.50	0.0	2.76	8.73	1.30	4.26	2316.87	2311.30	
0.004202	0.045	0.090	0.045	0.120	0.02	-0.00	158.64	
	2305.40	990.	990.	990.	99.	32.	290.35	32.

CCHV= 0.100 CEHV= 0.500
*SECNO 3.280

*** GR CARDS REPEATED

3.28	4305.	872.	3402.	30.	0.89	2	133.	
2316.15	0.0	323.	405.	24.	-0.08	0	2310.70	
10.75	0.0	2.70	8.40	1.27	0.16	2317.04	2311.30	
0.003747	0.045	0.090	0.045	0.120	0.01	-0.00	157.96	
	2305.40	40.	40.	40.	100.	33.	290.85	32.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	30.00	0.10	230.00	0.0
	ELCHU	ELCHD						
	2305.30	2305.30						

*SECNO 3.280

*** GR CARDS REPEATED
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2324.85	2317.05	0.01	2522.	1786.	230.	230.	2313.00

ELTRD

F02

2313.10

3.28	4305.	972.	3294.	39.	0.68	2	138.	
2316.97	0.0	388.	443.	33.	-0.21	0	2310.70	
11.57	0.0	2.50	7.43	1.18	0.61	2317.65	2311.30	
0.002604	0.045	0.090	0.045	0.120	0.0	-0.00	154.61	
	2305.40	12.	12.	12.	103.	35.	292.53	32.

*SECNO 3.280

**** GR CARDS REPEATED

3.28	4305.	895.	3373.	36.	0.72	2	138.	
2316.97	0.0	388.	443.	33.	0.04	0	2310.70	
11.57	0.0	2.31	7.61	1.11	0.03	2317.70	2311.30	
0.002734	0.045	0.100	0.045	0.130	0.02	-0.00	154.63	
	2305.40	10.	10.	10.	103.	35.	292.52	33.

*SECNO 3.500

**** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

JACKS CREEK 50 YR FLOOD 02/28/81

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
3.50	4085.	593.	3475.	16.	1.35	2	127.	
2321.26	0.0	227.	346.	13.	0.62	0	2317.10	
9.46	0.0	2.61	10.04	1.27	4.60	2322.61	2317.70	
0.006597	0.045	0.100	0.045	0.130	0.31	-0.00	161.48	
	2311.80	1150.	1150.	1150.	97.	30.	288.25	52.

CCHV= 0.700 CEHV= 0.800
*SECNO 3.700

3.70	3885.	790.	3029.	66.	0.86	3	259.	
2327.35	0.0	451.	361.	50.	-0.48	0	2323.70	
9.65	0.0	1.75	8.39	1.32	5.55	2328.21	2323.50	
0.004615	0.045	0.110	0.045	0.150	0.05	-0.00	176.02	
	2317.70	1010.	1010.	1010.	215.	44.	435.21	69.

CCHV= 0.100 CEHV= 0.500
*SECNO 3.700

**** GR CARDS REPEATED

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 2326.50 ELREA= 2330.00

3.70	3885.	955.	2930.	0.	0.67	2	258.	
2327.95	0.0	572.	390.	0.	-0.19	0	2323.70	
10.25	0.0	1.67	7.51	0.0	0.39	2328.62	2323.50	
0.003338	0.045	0.110	0.045	0.150	0.02	-0.00	156.60	

0.003338	0.045	0.110	0.045	0.150			

G02

2317.70	100.	100.	100.	234.	24.	415.00	71.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	25.00	0.70	370.00	1.60
ELCHU	ELCHD							
2318.60	2318.60							

*SECNO 3.700

**** GR CARDS REPEATED
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2330.69	2329.51	0.04	416.	3434.	370.	370.	2328.00

ELTRD
2328.90

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 2328.90 ELREA= 2330.50

3.70	3885.	1326.	2559.	0.	0.30	2	266.
2329.79	0.0	966.	478.	0.	-0.37	0	2323.70
12.09	0.0	1.37	5.35	0.0	1.47	2330.09	2323.50
0.001291	0.045	0.110	0.045	0.150	0.0	-0.00	149.41
	2317.70	21.	21.	21.	242.	24.	415.00

71.

*SECNO 3.700

**** GR CARDS REPEATED

3.70	3885.	1586.	2165.	134.	0.19	2	294.
2329.94	0.0	999.	486.	113.	-0.11	0	2323.70
12.24	0.0	1.59	4.46	1.19	0.03	2330.13	2323.50
0.000879	0.045	0.080	0.045	0.100	0.01	-0.00	148.94
	2317.70	25.	25.	25.	242.	52.	443.26

72.

CCHV= 0.100 CEHV= 0.800
*SECNO 3.730

**** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

JACKS CREEK			50 YR FLOOD		02/28/81		
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

3.73	3855.	667.	3111.	77.	0.99	2	252.
2329.95	0.0	413.	352.	46.	0.80	0	2326.50
9.45	0.0	1.62	8.85	1.67	0.17	2330.93	2326.30

H02

9.45 0.0 1.62 8.85 1.07 0.17

H02

0.007952	0.045	0.150	0.055	0.150	0.64	-0.00	182.45	
	2320.50	85.	85.	85.	209.	44.	434.59	74.

CCHV= 0.100 CEHV= 0.800
*SECNO 3.760

3.76	3825.	394.	3412.	19.	1.35	2	111.	
2330.63	0.0	140.	348.	12.	0.36	0	2327.60	
9.33	0.0	2.82	9.82	1.59	0.76	2331.98	2327.50	
0.010018	0.045	0.100	0.055	0.120	0.29	-0.00	172.06	
	2321.30	85.	85.	85.	79.	32.	282.83	76.

CCHV= 0.100 CEHV= 0.500
*SECNO 3.760

3265 DIVIDED FLOW

3.76	3825.	512.	3283.	30.	0.95	2	123.	
2331.53	0.0	192.	391.	20.	-0.39	0	2327.60	
10.23	0.0	2.67	8.39	1.49	0.47	2332.49	2327.50	
0.006255	0.045	0.100	0.055	0.120	0.04	-0.00	140.95	
	2321.30	60.	60.	60.	110.	34.	285.10	76.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	28.00	0.60	200.00	0.0

ELCHU	ELCHD
2321.30	2321.30

*SECNO 3.760

*** GR CARDS REPEATED
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2340.62	2332.57	0.08	2002.	1825.	200.	200.	2328.60

ELTRD
2328.90

3.76	3825.	705.	3070.	50.	0.56	2	161.	
2333.04	0.0	325.	463.	38.	-0.39	0	2327.60	
11.74	0.0	2.17	6.62	1.30	1.11	2333.60	2327.50	
0.003108	0.045	0.100	0.055	0.120	0.0	-0.00	127.39	
	2321.30	16.	16.	16.	124.	38.	288.86	77.

*SECNO 3.760

3.76	3825.	712.	3062.	51.	0.55	1	162.	
2333.10	0.0	331.	466.	39.	-0.01	0	2327.60	
11.80	0.0	2.15	6.57	1.29	0.05	2333.65	2327.50	
0.003030	0.045	0.100	0.055	0.120	0.00	-0.00	126.87	
	2321.30	15.	15.	15.	124.	38.	289.01	77.

*SECNO 3.940

JACKS CREEK 50 YR FLOOD 02/28/81

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
3.94	3685.	464.	2881.	340.	0.69	2	140.	
2335.79	0.0	160.	388.	164.	0.14	0	2331.10	
11.99	0.0	2.90	7.42	2.07	2.76	2336.48	2330.30	
0.003045	0.045	0.070	0.045	0.090	0.07	-0.00	156.42	
	2323.80	910.	910.	910.	66.	74.	296.53	93.

*SECNO 3.940

3265 DIVIDED FLOW

3.94	3685.	482.	2844.	359.	0.63	2	144.	
2336.03	0.0	171.	399.	177.	-0.06	0	2331.10	
12.23	0.0	2.82	7.13	2.03	0.17	2336.66	2330.30	
0.002710	0.045	0.070	0.045	0.090	0.01	-0.00	119.67	
	2323.80	60.	60.	60.	103.	75.	297.51	94.

SPECIAL BRIDGE

5227 DOWNSTREAM ELEV IS 2333.27 NOT 2336.03
HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	17.00	0.90	145.00	0.0

ELCHD ELCHD
2323.80 2323.80

*SECNO 3.940

*** GR CARDS REPEATED
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2352.07	2339.15	0.0	2553.	1133.	145.	145.	2332.80

ELTRD
2333.50

3.94	3685.	575.	2676.	434.	0.42	2	184.	
2337.12	0.0	247.	448.	237.	-0.21	0	2331.10	
13.32	0.0	2.33	5.97	1.83	0.89	2337.54	2330.30	
0.001625	0.045	0.070	0.045	0.090	0.0	-0.00	118.06	
	2323.80	13.	13.	13.	104.	80.	302.03	94.

*SECNO 3.940

3.94	3685.	445.	2808.	432.	0.52	2	184.	
2337.10	0.0	245.	429.	236.	0.10	0	2331.10	
11.40	0.0	1.82	6.54	1.83	0.03	2337.62	2330.30	

0.045 0.100 0.05 -0.00 118.10

0.002025	0.045	0.100	0.045	0.100	0.05	-0.00	118.10	
	2325.70	15.	15.	15.	104.	79.	301.93	95.

*SECNO 3.960

*** GR CARDS REPEATED

3.96	3685.	395.	2910.	380.	0.55	2	185.	
2337.33	0.0	264.	439.	249.	0.03	0	2331.10	
11.63	0.0	1.50	6.62	1.53	0.24	2337.88	2330.30	
0.002999	0.045	0.150	0.055	0.150	0.01	-0.00	117.76	
	2325.70	100.	100.	100.	105.	80.	302.87	97.

CCHV= 0.100 CEHV= 0.800
*SECNO 4.000

3301 HV CHANGED MORE THAN HVINS

JACKS CREEK			50 YR FLOOD		02/28/81			
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	ICONS	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

4.00	3645.	18.	3615.	11.	3.14	2	53.	
2339.56	2339.56	8.	253.	7.	2.60	15	2337.00	
10.26	0.0	2.23	14.29	1.66	1.19	2342.71	2338.00	
0.025585	0.046	0.120	0.055	0.120	2.08	-0.00	150.59	
	2329.30	180.	180.	180.	25.	28.	203.75	99.

CCHV= 0.100 CEHV= 0.500
*SECNO 4.000

3301 HV CHANGED MORE THAN HVINS

4.00	3645.	92.	3478.	75.	1.55	3	104.	
2341.88	0.0	56.	341.	42.	-1.60	0	2337.00	
12.58	0.0	1.65	10.21	1.78	0.56	2343.42	2338.00	
0.008785	0.046	0.120	0.055	0.120	0.16	-0.00	112.61	
	2329.30	40.	40.	40.	63.	41.	216.67	100.

SPECIAL BRIDGE

5227 DOWNSTREAM ELEV IS 2339.53 NOT 2341.88
HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	16.00	0.50	177.00	0.0
ELCHD	ELCHD							
2329.30	2329.30							

*SECNO 4.000

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2345.03	2344.40	0.09	1655.	1992.	177.	177.	2340.70

ELTRD
2340.50

4.00	3645.	283.	3194.	168.	0.75	2	122.	
2344.28	0.0	168.	433.	111.	-0.80	0	2337.00	
14.98	0.0	1.68	7.38	1.52	1.60	2345.03	2338.00	
0.003341	0.046	0.120	0.055	0.120	0.0	-0.00	108.38	
	2329.30	15.	15.	15.	68.	54.	230.22	100.

*SECNO 4.000

4.00	3645.	321.	3171.	153.	0.79	2	122.	
2344.28	0.0	168.	415.	110.	0.05	0	2337.00	
13.08	0.0	1.91	7.64	1.39	0.02	2345.07	2338.00	
0.001931	0.046	0.080	0.040	0.100	0.02	-0.00	108.40	
	2331.20	10.	10.	10.	68.	54.	230.17	100.

CCHV= 0.100 CEHV= 0.800
*SECNO 4.250

3301 HV CHANGED MORE THAN HVINS

4.25	3460.	878.	2547.	35.	1.33	3	146.	
2348.88	0.0	236.	242.	23.	0.53	0	2344.40	
8.88	0.0	3.72	10.54	1.55	4.70	2350.20	2347.20	
0.010613	0.046	0.080	0.050	0.100	0.42	-0.00	154.32	
	2340.00	1265.	1265.	1265.	106.	40.	300.78	117.

CCHV= 0.100 CEHV= 0.500
*SECNO 4.260

JACKS CREEK 50 YR FLOOD 02/28/81

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								
4.26	3460.	689.	2750.	21.	1.75	20	145.	
2350.94	2350.94	215.	233.	17.	0.42	8	2346.70	
8.64	0.0	3.21	11.79	1.20	0.58	2352.69	2349.50	
0.008904	0.046	0.080	0.040	0.100	0.21	-0.00	154.98	
	2342.30	60.	60.	60.	106.	40.	300.29	118.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	10.00	0.01	57.00	0.0

ELCHU	ELCHD
2342.30	2342.30

*SECNO 4.260

**** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	JAREA	ELLC
2442.48	2352.70	0.01	2773.	704.	57.	57.	2348.00

ELTRD
2349.90

4.26	3460.	1165.	2152.	142.	0.39	2	162.	
2354.34	0.0	530.	352.	105.	-1.36	0	2346.70	
12.04	0.0	2.20	6.11	1.35	2.04	2354.73	2349.50	
0.001378	0.046	0.080	0.040	0.100	0.0	-0.00	145.65	
	2342.30	17.	17.	17.	115.	47.	307.31	118.

*SECNO 4.260

4.26	3460.	1179.	2173.	108.	0.40	2	162.	
2354.36	0.0	532.	353.	106.	0.01	0	2346.70	
12.06	0.0	2.22	6.16	1.02	0.02	2354.76	2349.50	
0.001768	0.046	0.090	0.045	0.150	0.00	-0.00	145.60	
	2342.30	15.	15.	15.	115.	47.	307.34	119.

*SECNO 4.530

3301 HV CHANGED MORE THAN HVINS

JACKS CREEK			50 YR FLOOD		02/28/81			
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

4.53	3275.	0.	327.	0.	2.53	20	52.	
2362.66	2362.66	0.	256.	0.	2.14	14	2362.50	
7.66	0.0	0.02	12.77	0.0	5.86	2365.19	2362.80	
0.019230	0.046	0.090	0.045	0.090	1.07	-0.00	62.29	
	2355.00	1450.	1450.	1450.	27.	26.	114.76	139.

THIS RUN EXECUTED 02/28/81 11:56:06

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

T1      YANCEY CO NC FEMA STUDY                                          990
T2      100 YR FLOOD                                                     995
T3      JACKS CREEK                                                     1000
J1  ICHECK    INQ    NINV    IDIR    STRT  METRIC   HVINS      Q      WSEL     FQ
         0.     4.      0.      0. 0.01263      0.     0.0      0.     0.0    0.0  1005
J2  NPROF   IPLOT   PRFVS   XSECV   XSECH      FN   ALLDC     IBW  CHNIM ITRACE
         3.     0.     -1.      0.      0.     0.0     0.0      0.      0.     0.  1010
```

*PROF 3

CCHV= 0.100 CEHV= 0.500

*SECNO 2.860

2096 WSEL NOT GIVEN,AVG OF MAX,MIN USED

JACKS CREEK 100 YR FLOOD 02/28/81

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
2.86	5855.	38.	5780.	37.	2.16	0	95.	
2298.10	0.0	16.	487.	21.	0.50	0	2295.00	
8.90	0.0	2.40	11.86	1.75	0.0	2300.26	2295.20	
0.012424	0.0	0.090	0.050	0.120	0.0	-0.00	154.67	
	2289.20	0.	0.	0.	45.	49.	249.50	0.

*SECNO 3.080

3.08	5580.	189.	4712.	679.	2.26	4	138.	
2310.75	0.0	69.	360.	234.	0.11	0	2305.50	
10.65	0.0	2.74	13.08	2.90	12.71	2313.02	2304.80	
0.008929	0.045	0.130	0.045	0.100	0.05	-0.00	148.14	
	2300.10	1210.	1210.	1210.	39.	99.	285.76	16.

*SECNO 3.080

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

3.08	5580.	220.	4537.	823.	1.65	3	152.	
2311.71	0.0	88.	399.	316.	-0.61	0	2305.50	
11.61	0.0	2.49	11.38	2.60	0.29	2313.37	2304.80	
0.005903	0.045	0.130	0.045	0.100	0.06	-0.00	146.29	
	2300.10	40.	40.	40.	41.	111.	298.50	17.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	21.00	0.02	128.00	0.0
ELCHU	ELCHD							
2300.10	2300.10							

*SECNO 3.080

*** GR CARDS REPEATED

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2358.93	2313.37	0.01	4550.	1069.	128.	128.	2306.20

ELTRD
2306.30

3.08	5580.	225.	4505.	850.	1.56	3	155.	
2311.88	0.0	92.	406.	333.	-0.09	0	2305.50	
11.78	0.0	2.45	11.10	2.55	0.08	2313.44	2304.80	
0.005483	0.045	0.130	0.045	0.100	0.0	-0.00	145.94	
	2300.10	12.	12.	12.	41.	114.	300.88	17.

*SECNO 3.080

JACKS CREEK			100 YR FLOOD		02/28/81			
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
3.08	5580.	227.	4489.	864.	1.52	2	156.	
2311.98	0.0	94.	410.	342.	-0.04	0	2305.50	
11.88	0.0	2.42	10.96	2.53	0.05	2313.50	2304.80	
0.005279	0.045	0.130	0.045	0.100	0.00	-0.00	145.76	
	2300.10	10.	10.	10.	41.	115.	302.13	18.

CCHV= 0.100 CEHV= 0.800
*SECNO 3.280

3.28	5330.	1209.	4072.	48.	1.03	2	138.	
2317.02	0.0	391.	445.	33.	-0.49	0	2310.70	
11.62	0.0	3.09	9.15	1.45	4.50	2318.05	2311.30	
0.003923	0.045	0.090	0.045	0.120	0.05	-0.00	154.41	
	2305.40	990.	990.	990.	104.	35.	292.62	37.

CCHV= 0.100 CEHV= 0.500
*SECNO 3.280

**** GR CARDS REPEATED

3.28	5330.	1240.	4039.	51.	0.96	2	140.	
2317.24	0.0	410.	455.	36.	-0.07	0	2310.70	
11.84	0.0	3.03	8.87	1.42	0.15	2318.20	2311.30	
0.003574	0.045	0.090	0.045	0.120	0.01	-0.00	153.28	
	2305.40	40.	40.	40.	105.	35.	293.07	38.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	30.00	0.10	230.00	0.0
ELCHU	ELCHD							
2305.30	2305.30							

*SECNO 3.280

**** GR CARDS REPEATED
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2330.59	2318.21	0.01	3650.	1689.	230.	230.	2313.00

ELTRD

ELTRD

C03

2313.10

3.28	5330.	1308.	3964.	59.	0.82	3	184.	
2317.76	0.0	459.	479.	46.	-0.14	0	2310.70	
12.36	0.0	2.85	8.27	1.29	0.38	2318.58	2311.30	
0.002902	0.045	0.090	0.045	0.120	0.0	-0.00	126.37	
	2305.40	12.	12.	12.	132.	53.	310.86	38.

*SECNO 3.280

**** GR CARDS REPEATED

3.28	5330.	1208.	4067.	56.	0.88	2	184.	
2317.76	0.0	460.	479.	46.	0.06	0	2310.70	
12.37	0.0	2.63	8.48	1.22	0.03	2318.64	2311.30	
0.003055	0.045	0.100	0.045	0.130	0.03	-0.00	126.36	
	2305.40	10.	10.	10.	132.	53.	310.86	38.

*SECNO 3.500

**** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

JACKS CREEK 100 YR FLOOD 02/28/81

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
3.50	5055.	902.	4123.	31.	1.42	2	132.	
2322.27	0.0	302.	392.	21.	0.55	0	2317.70	
10.47	0.0	2.98	10.51	1.44	4.78	2323.70	2317.70	
0.006120	0.045	0.100	0.045	0.130	0.27	-0.00	158.72	
	2311.80	1150.	1150.	1150.	99.	32.	290.29	61.

CCHV= 0.100 CEHV= 0.800
*SECNO 3.700

3301 HV CHANGED MORE THAN HVINS

3.70	4805.	1206.	3502.	97.	0.89	3	283.	
2328.12	0.0	608.	398.	66.	-0.53	0	2323.70	
10.42	0.0	1.99	8.79	1.46	5.26	2329.01	2323.50	
0.004454	0.045	0.110	0.045	0.150	0.05	-0.00	154.63	
	2317.70	1010.	1010.	1010.	236.	47.	437.61	82.

CCHV= 0.100 CEHV= 0.500
*SECNO 3.700

**** GR CARDS REPEATED

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 2326.50 ELREA= 2330.00

3.70	4805.	1387.	3418.	0.	0.73	2	262.

3.70	4805.	1387.	3418.	0.	0.73	2	262.

D03

2328.68	0.0	728.	425.	0.	-0.16	0	2323.70	
10.98	0.0	1.90	8.03	0.0	0.39	2329.41	2323.50	
0.003105	0.045	0.110	0.045	0.150	0.02	-0.00	152.86	
	2317.70	100.	100.	100.	238.	24.	415.00	84.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	25.00	0.70	370.00	1.60
	ELCHU	ELCHD						
	2318.60	2318.60						

*SECNO 3.700

**** GR CARDS REPEATED
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2332.87	2330.69	0.04	1276.	3521.	370.	370.	2328.00

ELTRD
2328.90

3.70	4805.	1742.	2926.	136.	0.31	2	299.	
2330.62	0.0	1149.	518.	133.	-0.41	0	2323.70	
12.92	0.0	1.52	5.65	1.03	1.52	2330.93	2323.50	
0.001292	0.045	0.110	0.045	0.150	0.0	-0.00	146.81	
	2317.70	21.	21.	21.	244.	55.	446.07	85.

*SECNO 3.700

**** GR CARDS REPEATED

3.70	4805.	2105.	2519.	180.	0.21	2	301.	
2330.76	0.0	1180.	525.	137.	-0.10	0	2323.70	
13.06	0.0	1.78	4.80	1.31	0.03	2330.97	2323.50	
0.000917	0.045	0.080	0.045	0.100	0.01	-0.00	146.37	
	2317.70	25.	25.	25.	245.	56.	447.33	86.

CCHV= 0.100 CEHV= 0.800
*SECNO 3.730

**** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

JACKS CREEK 100 YR FLOOD 02/28/81

MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	IL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	QLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL
3.73	4770.	1059.	3595.	117.	1.00	2	281.	
2330.77	0.0	577.	391.	63.	0.79	0	2326.50	
10.27	0.0	1.84	9.19	1.85	0.17	2331.77	2326.30	

2330.77 0.0 1.84 9.19 1.85 0.77 2331.77 2320.50

E03

0.007433	0.045	0.150	0.055	0.150	0.63	-0.00	155.85	
	2320.50	85.	85.	85.	235.	46.	437.16	89.

CCHV= 0.100 CEHV= 0.800
*SECNO 3.760

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3.76	4730.	612.	4082.	35.	1.53	2	119.	
2331.40	0.0	183.	385.	19.	0.53	0	2327.60	
10.10	0.0	3.34	10.61	1.86	0.74	2332.93	2327.50	
0.010228	0.045	0.100	0.055	0.120	0.43	-0.00	142.17	
	2321.30	85.	85.	85.	109.	34.	284.76	90.

CCHV= 0.100 CEHV= 0.500
*SECNO 3.760

3.76	4730.	766.	3913.	51.	1.08	2	154.	
2332.38	0.0	262.	432.	30.	-0.46	0	2327.60	
11.08	0.0	2.93	9.05	1.71	0.48	2333.46	2327.50	
0.006373	0.045	0.100	0.055	0.120	0.05	-0.00	133.27	
	2321.30	60.	60.	60.	118.	36.	287.23	91.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	28.00	0.60	200.00	0.0
ELCHU	ELCHD							
2321.30	2321.30							

*SECNO 3.760

**** GR CARDS REPEATED
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2346.28	2333.55	0.09	2941.	1800.	200.	200.	2328.60

ELTRD
2328.90

3.76	4730.	976.	3681.	73.	0.69	2	169.	
2333.71	0.0	394.	496.	48.	-0.39	0	2327.60	
12.41	0.0	2.48	7.43	1.50	0.94	2334.40	2327.50	
0.003570	0.045	0.100	0.055	0.120	0.0	-0.00	121.34	
	2321.30	16.	16.	16.	130.	40.	290.54	91.

*SECNO 3.760

3.76	4730.	986.	3671.	74.	0.67	0	170.
2333.78	0.0	401.	499.	49.	-0.01	0	2327.60
12.48	0.0	2.46	7.36	1.49	0.05	2334.45	2327.50
0.003475	0.045	0.100	0.055	0.120	0.00	-0.00	120.75

F03

0.003475	0.045	0.100	0.055	0.120	0.00	-0.00	

2321.30	15.	15.	15.	130.	40.	290.71	92.

*SECNO 3.940

3265 DIVIDED FLOW

JACKS CREEK 100 YR FLOOD 02/28/81

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
3.94	4555.	662.	3391.	502.	0.76	2	175.	
2336.69	0.0	212.	428.	212.	0.08	0	2331.10	
12.89	0.0	3.12	7.91	2.36	2.95	2337.44	2330.30	
0.003031	0.045	0.070	0.045	0.090	0.04	-0.00	118.70	
	2323.80	910.	910.	910.	104.	78.	300.23	111.
*SECNO 3.940								
3.94	4555.	688.	3345.	522.	0.69	2	183.	
2336.93	0.0	231.	439.	226.	-0.06	0	2331.10	
13.13	0.0	2.98	7.61	2.31	0.17	2337.62	2330.30	
0.002711	0.045	0.070	0.045	0.090	0.01	-0.00	118.35	
	2323.80	60.	60.	60.	104.	79.	301.23	112.

SPECIAL BRIDGE

5227 DOWNSTREAM ELEV IS 2334.70 NOT 2336.93
HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	17.00	0.90	145.00	0.0

ELCHU	ELCHD
2323.80	2323.80

*SECNO 3.940

**** GR CARDS REPEATED
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2361.45	2341.45	0.0	3489.	1069.	145.	145.	2332.80

ELTRD
2333.50

3.94	4555.	737.	3188.	580.	0.51	2	188.	
2337.77	0.0	300.	477.	275.	-0.18	0	2331.10	
13.97	0.0	2.62	6.68	2.11	0.66	2338.28	2330.30	
0.001870	0.045	0.070	0.045	0.090	0.0	-0.00	117.12	
	2323.80	13.	13.	13.	105.	82.	304.69	112.

*SECNO 3.940

*SECNO 3.940

3.94	4555.	609.	3368.	578.	0.64	2	187.	
2337.74	0.0	297.	458.	273.	0.13	0	2331.10	
12.04	0.0	2.05	7.36	2.12	0.03	2338.38	2330.30	
0.002350	0.045	0.100	0.045	0.100	0.06	-0.00	117.17	
	2325.70	15.	15.	15.	105.	82.	304.53	112.

*SECNO 3.960

*** GR CARDS REPEATED

3.96	4555.	543.	3501.	511.	0.67	2	189.	
2338.00	0.0	319.	470.	289.	0.04	0	2331.10	
12.30	0.0	1.70	7.46	1.77	0.28	2338.68	2330.30	
0.003482	0.045	0.150	0.055	0.150	0.02	-0.00	116.79	
	2325.70	100.	100.	100.	106.	83.	305.62	115.

CCHV= 0.100 CEHV= 0.800
*SECNO 4.000

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

JACKS CREEK			100 YR FLOOD		02/28/81			
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

4.00	4500.	45.	4411.	44.	3.41	2	67.	
2340.66	2340.66	17.	295.	20.	2.73	8	2337.00	
11.36	0.0	2.62	14.96	2.24	1.29	2344.07	2338.00	
0.022888	0.046	0.120	0.055	0.120	2.19	-0.00	114.72	
	2329.30	180.	180.	180.	61.	34.	209.90	118.

CCHV= 0.100 CEHV= 0.500
*SECNO 4.000

3301 HV CHANGED MORE THAN HVINS

4.00	4500.	241.	4107.	153.	1.58	4	114.	
2343.17	0.0	115.	390.	75.	-1.83	0	2337.00	
13.87	0.0	2.10	10.53	2.04	0.50	2344.75	2338.00	
0.007800	0.046	0.120	0.055	0.120	0.18	-0.00	110.34	
	2329.30	40.	40.	40.	66.	48.	223.94	118.

SPECIAL BRIDGE

5227 DOWNSTREAM ELEV IS 2341.07 ,NOT 2343.17
HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS

SB	HK	XKOR	COFQ	RDLEN	BWL	BWF	BAREA	

H03

1.25	1.60	3.00	0.0	16.00	0.50	177.00	0.0

ELCHU 2329.30 ELCHD 2329.30

*SECNO 4.000

*** GR CARDS REPEATED
PRESS FLOW BECAUSE EGLWC OF 2347.36 EXCEEDS 1.5 DEPTH

3301 HV CHANGED MORE THAN HVINS

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2359.23	2347.36	0.0	2592.	1924.	177.	177.	2340.70

ELTRD 2340.50

4.00	4500.	431.	3813.	255.	0.88	3	129.	
2345.23	0.0	215.	400.	146.	-0.70	0	2337.00	
15.93	0.0	2.01	8.14	1.75	1.36	2346.11	2338.00	
0.003656	0.046	0.120	0.055	0.120	0.0	-0.00	106.74	
	2329.30	15.	15.	15.	69.	59.	235.48	118.

*SECNO 4.000

4.00	4500.	488.	3780.	231.	0.93	2	129.	
2345.23	0.0	215.	451.	147.	0.04	0	2337.00	
14.03	0.0	2.27	8.37	1.58	0.03	2346.16	2338.00	
0.002078	0.046	0.080	0.040	0.100	0.02	-0.00	106.74	
	2331.20	10.	10.	10.	69.	60.	235.50	119.

CCHV= 0.100 CEHV= 0.800
*SECNO 4.250

4.25	4270.	1315.	2858.	97.	1.20	2	151.	
2349.83	0.0	322.	275.	45.	0.28	0	2344.40	
9.83	0.0	4.08	10.39	2.13	4.66	2351.04	2347.20	
0.008675	0.046	0.080	0.050	0.100	0.22	-0.00	151.71	
	2340.00	1265.	1265.	1265.	109.	42.	302.75	140.

CCHV= 0.100 CEHV= 0.500
*SECNO 4.260

3301 HV CHANGED MORE THAN HVINS

JACKS CREEK 100 YR FLOOD 02/28/81

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

4.26	4270.	1002.	3214.	54.	1.92	20	148.

2351.54	2351.54	268.	254.	31.	0.72	12	2346.70	
9.24	0.0	3.74	12.64	1.75	0.53	2353.46	2349.50	
0.009131	0.046	0.080	0.040	0.100	0.36	-0.00	153.34	
	2342.30	60.	60.	60.	107.	41.	301.52	141.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	10.00	0.01	57.00	0.0
	ELCHU	ELCHD						
	2342.30	2342.30						

*SECNO 4.260

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2490.96	2353.47	0.01	3582.	711.	57.	57.	2348.00

ELTRD
2349.90

4.26	4270.	1494.	2581.	195.	0.49	2	164.	
2354.91	0.0	586.	372.	122.	-1.43	0	2346.70	
12.61	0.0	2.55	6.93	1.59	1.94	2355.40	2349.50	
0.001650	0.046	0.080	0.040	0.100	0.0	-0.00	144.09	
	2342.30	17.	17.	17.	116.	48.	308.48	141.

*SECNO 4.260

4.26	4270.	1513.	2609.	148.	0.50	2	164.	
2354.93	0.0	588.	373.	123.	0.01	0	2346.70	
12.63	0.0	2.57	6.99	1.21	0.03	2355.43	2349.50	
0.002122	0.046	0.090	0.045	0.150	0.01	-0.00	144.04	
	2342.30	15.	15.	15.	116.	48.	308.52	141.

*SECNO 4.530

3301 HV CHANGED MORE THAN HVINS

JACKS CREEK 100 YR FLOOD 02/28/81

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

4.53	4040.	3.	4037.	0.	2.86	20	57.
2363.45	2363.45	2.	298.	0.	2.35	14	2362.50

0.06 6.63 2366.31 2362.80

J03

8.45	0.0	1.33	13.57	0.96	6.63	2366.31	2362.80
0.017921	0.046	0.090	0.045	0.090	1.18	-0.00	58.78
	2355.00	1450.	1450.	1450.	30.	27.	116.16

104.

K03

K03

THIS RUN EXECUTED 02/28/81 11:56:11

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

T1      YANCEY CO NC FEMA STUDY                                          1015
T2      500 YR FLOOD                                                     1020
T3      JACKS CREEK                                                      1025

J1  ICHECK     INQ    NINV    IDIR    STRT  METRIC   HVINS      Q      WSEL     FQ

         0.      5.      0.      0. 0.01263      0.     0.0      0.      0.0     0.0  1030

J2  NPROF   IPLOT   PRFVS   XSECV   XSECH       FN   ALLDC     IBW   CHNIM ITRACE

        15.      0.     -1.      0.      0.     0.0     0.0      0.      0.      0.  1035
```

L03

*PROF 4

CCHV= 0.100 CEHV= 0.500

*SECNO 2.860

2096 WSEL NOT GIVEN,AVG OF MAX,MIN USED

JACKS CREEK 500 YR FLOOD 02/28/81

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
2.86	9260.	147.	8961.	151.	3.07	0	111.	
2300.10	0.0	43.	627.	60.	0.50	0	2295.00	
10.90	0.0	3.40	14.29	2.52	0.0	2303.17	2295.20	
0.012869	0.0	0.090	0.050	0.120	0.0	-0.00	148.00	
	2289.20	0.	0.	0.	52.	59.	259.50	0.
*SECNO 3.080								
3.08	8815.	401.	6732.	1683.	2.66	3	161.	
2313.08	0.0	119.	454.	450.	-0.42	0	2305.50	
12.98	0.0	3.38	14.83	3.74	12.53	2315.74	2304.80	
0.008427	0.045	0.130	0.045	0.100	0.04	-0.00	143.63	
	2300.10	1210.	1210.	1210.	43.	118.	305.00	24.

*SECNO 3.080

**** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

3.08	8815.	433.	6451.	1931.	1.99	3	163.	
2314.10	0.0	143.	494.	548.	-0.67	0	2305.50	
14.00	0.0	3.03	13.06	3.53	0.28	2316.08	2304.80	
0.005847	0.045	0.130	0.045	0.100	0.07	-0.00	141.72	
	2300.10	40.	40.	40.	45.	118.	305.00	25.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	21.00	0.02	128.00	0.0

ELCHU	ELCHD
2300.10	2300.10

*SECNO 3.080

**** GR CARDS REPEATED

6870 D.S. ENERGY OF 2316.08 HIGHER THAN COMPUTED ENERGY OF 2315.80

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2431.93	2316.09	0.01	7818.	1061.	128.	128.	2306.20

ELTRD
2306.30

2306.30

3.08	8815.	433.	6446.	1935.	1.98	4	163.
2314.10	0.0	143.	495.	549.	-0.01	0	2305.50
14.00	0.0	3.02	13.03	3.52	0.0	2316.08	2304.80
0.005811	0.045	0.130	0.045	0.100	0.0	-0.00	141.68
	2300.10	12.	12.	12.	45.	118.	305.00 26.

*SECNO 3.080
JACKS CREEK 500 YR FLOOD 02/28/81

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
3.08	8815.	437.	6412.	1965.	1.91	2	164.
2314.24	0.0	147.	500.	563.	-0.07	0	2305.50
14.14	0.0	2.98	12.82	3.49	0.06	2316.15	2304.80
0.005545	0.045	0.130	0.045	0.100	0.01	-0.00	141.42
	2300.10	10.	10.	10.	46.	118.	305.00 26.

CCHV= 0.100 CEHV= 0.800
*SECNO 3.280

3301 HV CHANGED MORE THAN HVINS

3.28	8410.	2391.	5843.	177.	1.24	2	198.
2319.49	0.0	670.	559.	105.	-0.67	0	2310.70
14.09	0.0	3.68	10.46	1.69	4.51	2320.73	2311.30
0.003786	0.045	0.090	0.045	0.120	0.07	-0.00	122.23
	2305.40	990.	990.	990.	136.	62.	319.87 55.

CCHV= 0.100 CEHV= 0.500
*SECNO 3.280

**** GR CARDS REPEATED

3.28	8410.	2429.	5792.	189.	1.17	2	199.
2319.71	0.0	676.	569.	114.	-0.07	0	2310.70
14.31	0.0	3.59	10.18	1.66	0.15	2320.88	2311.30
0.003498	0.045	0.090	0.045	0.120	0.01	-0.00	121.68
	2305.40	40.	40.	40.	136.	63.	321.05 56.

SPECIAL BRIDGE

SB	HK	XKOR	COEQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	30.00	0.10	230.00	0.0
ELCHU	ELCHD							
2305.30	2305.30							

*SECNO 3.280

**** GR CARDS REPEATED
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC	
2352.93	2320.90	0.01	6809.	1631.	230.	230.	2313.00	
ELTRD								
2313.10								
3.28	8410.	2448.	5766.	193.	1.13	3	200.	
2319.83	0.0	690.	575.	119.	-0.04	0	2310.70	
14.43	0.0	3.55	10.03	1.65	0.08	2320.96	2311.30	
0.003355	0.045	0.090	0.045	0.120	0.0	-0.00	121.39	
	2305.40	12.	12.	12.	137.	64.	321.69	56.

*SECNO 3.280

*** GR CARDS REPEATED

3.28	8410.	2271.	5953.	186.	1.23	2	200.	
2319.82	0.0	688.	574.	118.	0.10	0	2310.70	
14.42	0.0	3.30	10.37	1.53	0.03	2321.05	2311.30	
0.003593	0.045	0.100	0.045	0.130	0.05	-0.00	121.43	
	2305.40	10.	10.	10.	137.	64.	321.60	57.

*SECNO 3.500

*** GR CARDS REPEATED

JACKS CREEK			500 YR FLOOD		02/28/81			
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
3.50	7965.	1896.	5966.	102.	1.69	2	188.	
2324.66	0.0	514.	502.	61.	0.46	0	2317.10	
12.86	0.0	3.69	11.88	1.67	5.08	2326.35	2317.70	
0.005627	0.045	0.100	0.045	0.130	0.23	-0.00	125.17	
	2311.80	1150.	1150.	1150.	133.	55.	313.47	89.

CCHV= 0.100 CEHV= 0.800
*SECNO 3.700

3301 HV CHANGED MORE THAN HVINS

3.70	7560.	2632.	4723.	204.	0.91	2	296.	
2330.20	0.0	1056.	498.	120.	-0.78	0	2323.70	
12.50	0.0	2.49	9.48	1.70	4.68	2331.11	2323.50	
0.003842	0.045	0.110	0.045	0.150	0.08	-0.00	148.12	
	2317.70	1010.	1010.	1010.	243.	53.	444.07	121.

CCHV= 0.100 CEHV= 0.500
*SECNO 3.700

*** GR CARDS REPEATED

3.70	7560.	2764.	4579.	217.	0.75	2	300.
2330.71	0.0	1169.	523.	136.	-0.15	0	2323.70
13.01	0.0	2.36	8.76	1.60	0.34	2331.47	2323.50

13.01 0.0 2.36 8.76 1.00

B04

0.003074	0.045	0.110	0.045	0.150	0.02	-0.00	146.52	
	2317.70	100.	100.	100.	244.	56.	446.91	125.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	25.00	0.70	370.00	1.60

ELCHU	ELCHD
2318.60	2318.60

*SECNO 3.700

*** GR CARDS REPEATED
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2341.09	2331.51	0.04	4266.	3304.	370.	370.	2328.00

ELTRD
2328.90

3.70	7560.	3079.	4225.	257.	0.46	2	353.	
2332.23	0.0	1515.	596.	194.	-0.29	0	2323.70	
14.53	0.0	2.03	7.09	1.32	1.23	2332.69	2323.50	
0.001693	0.045	0.110	0.045	0.150	0.0	-0.00	107.56	
	2317.70	21.	21.	21.	283.	69.	460.48	126.

*SECNO 3.700

*** GR CARDS REPEATED

3.70	7560.	3657.	3567.	336.	0.30	2	355.	
2332.45	0.0	1571.	606.	204.	-0.17	0	2323.70	
14.75	0.0	2.33	5.89	1.64	0.03	2332.75	2323.50	
0.001140	0.045	0.080	0.045	0.100	0.02	-0.00	107.68	
	2317.70	25.	25.	25.	283.	71.	462.40	127.

CCHV= 0.100 CEHV= 0.800
*SECNO 3.730

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

JACKS CREEK 500 YR FLOOD 02/28/81

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
3.73	7495.	2267.	4988.	240.	1.18	2	293.	
2332.47	0.0	942.	473.	105.	0.88	0	2326.50	
11.97	0.0	2.41	10.55	2.28	0.20	2333.65	2326.30	
0.007613	0.045	0.150	0.055	0.150	0.71	-0.00	149.77	
	2320.50	85.	85.	85.	241.	51.	442.43	131.

0.007613	0.045	0.150	0.055	0.150	0.71	-0.00	442.43	131.
	2320.50	85.	85.	85.	241.	51.		

C04

CCHV= 0.100 CEHV= 0.800
*SECNO 3.760

3301 HV CHANGED MORE THAN HVINS

3.76	7435.	1378.	5959.	98.	2.10	2	162.	
2333.08	0.0	328.	465.	39.	0.92	0	2327.60	
11.78	0.0	4.20	12.81	2.51	0.79	2335.17	2327.50	
0.011574	0.045	0.100	0.055	0.120	0.73	-0.00	127.10	
	2321.30	85.	85.	85.	124.	38.	288.95	133.

CCHV= 0.100 CEHV= 0.500
*SECNO 3.760

3301 HV CHANGED MORE THAN HVINS

3.76	7435.	1690.	5614.	131.	1.37	3	176.	
2334.39	0.0	467.	528.	59.	-0.72	0	2327.60	
13.09	0.0	3.62	10.63	2.21	0.52	2335.77	2327.50	
0.006729	0.045	0.100	0.055	0.120	0.07	-0.00	116.61	
	2321.30	60.	60.	60.	134.	41.	292.22	135.

SPECIAL BRIDGE

5227 DOWNSTREAM ELEV IS 2332.82 NOT 2334.39
HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	28.00	0.60	200.00	0.0

ELCHU	ELCHD
2321.30	2321.30

*SECNO 3.760

*** GR CARDS REPEATED
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2368.73	2338.03	0.0	5683.	1755.	200.	200.	2328.60

ELTRD
2328.90

3.76	7435.	1877.	5406.	152.	1.06	3	179.	
2335.24	0.0	561.	569.	75.	-0.31	0	2327.60	
13.94	0.0	3.34	9.50	2.03	0.54	2336.30	2327.50	
0.004867	0.045	0.100	0.055	0.120	0.0	-0.00	114.87	
	2321.30	16.	16.	16.	136.	43.	294.35	135.

*SECNO 3.760

3.76	7435.	1896.	5385.	154.	1.04	1	180.	
2335.34	0.0	572.	573.	77.	-0.03	0	2327.60	
14.04	0.0	3.32	9.39	2.01	0.07	2336.38	2327.50	
0.004706	0.045	0.100	0.055	0.120	0.00	-0.00	114.68	

D04

14.04	0.0	3.32	9.39	2.01	0.00	-0.00	114.68
0.004706	0.045	0.100	0.055	0.120			

2321.30 15. 15. 15. 136. 44. 294.58 136.

*SECNO 3.940

JACKS CREEK 500 YR FLOOD 02/28/81

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
3.94	7155.	1422.	4723.	1010.	0.88	2	194.	
2338.87	0.0	392.	527.	343.	-0.15	0	2331.10	
15.07	0.0	3.63	8.97	2.95	3.36	2339.76	2330.30	
0.002957	0.045	0.070	0.045	0.090	0.02	-0.00	115.52	
	2323.80	910.	910.	910.	107.	87.	309.19	161.

*SECNO 3.940

3.94	7155.	1458.	4668.	1029.	0.82	0	195.	
2339.11	0.0	412.	537.	358.	-0.06	0	2331.10	
15.31	0.0	3.54	8.69	2.87	0.17	2339.93	2330.30	
0.002704	0.045	0.070	0.045	0.090	0.01	-0.00	115.18	
	2323.80	60.	60.	60.	107.	88.	310.15	163.

SPECIAL BRIDGE

5227 DOWNSTREAM ELEV IS 2338.53 NOT 2339.11
HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	17.00	0.90	145.00	0.0

ELCHU	ELCHD
2323.80	2323.80

*SECNO 3.940

*** GR CARDS REPEATED
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2399.61	2347.54	0.0	6187.	1003.	145.	145.	2332.80

ELTRD
2333.50

3.94	7155.	1531.	4558.	1066.	0.71	2	198.	
2339.59	0.0	454.	559.	391.	-0.11	0	2331.10	
15.79	0.0	3.37	8.15	2.73	0.37	2340.30	2330.30	
0.002251	0.045	0.070	0.045	0.090	0.0	-0.00	114.46	
	2323.80	13.	13.	13.	108.	90.	312.18	164.

*SECNO 3.940

3.94	7155.	1191.	4896.	1068.	0.92	2	197.	
2339.52	0.0	448.	538.	386.	0.20	0	2331.10	
13.82	0.0	2.66	9.10	2.77	0.04	2340.44	2330.30	

2339.52	0.0	[illegible]	[illegible]	2.77	0.04	2340.44	[illegible]	
13.82	0.0	2.66	9.10					

ED4

0.002895	0.045	0.100	0.045	0.100	0.10	-0.00	114.56	
	2325.70	15.	15.	15.	108.	89.	311.88	164.

*SECNO 3.960

*** GR CARDS REPEATED

3.96	7155.	1063.	5145.	946.	0.99	2	199.	
2339.84	0.0	475.	552.	407.	0.08	0	2331.10	
14.14	0.0	2.24	9.32	2.33	0.35	2340.83	2330.30	
0.004380	0.045	0.150	0.055	0.150	0.04	-0.00	114.10	
	2325.70	100.	100.	100.	108.	91.	313.17	167.

CCHV= 0.100 CEHV= 0.800
*SECNO 4.000

3301 HV CHANGED MORE THAN HVINS

JACKS CREEK			500 YR FLOOD		02/28/81			
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

4.00	7070.	443.	6355.	272.	3.44	3	117.	
2343.59	2343.59	135.	406.	87.	2.44	5	2337.00	
14.29	0.0	3.29	15.65	3.11	1.36	2347.02	2338.00	
0.016347	0.046	0.120	0.055	0.120	1.95	-0.00	109.61	
	2329.30	180.	180.	180.	66.	50.	226.29	172.

CCHV= 0.100 CEHV= 0.500
*SECNO 4.000

3301 HV CHANGED MORE THAN HVINS

4.00	7070.	733.	5896.	442.	1.94	4	131.	
2345.67	0.0	237.	485.	165.	-1.50	0	2337.00	
16.37	0.0	3.09	12.16	2.69	0.44	2347.61	2338.00	
0.007780	0.046	0.120	0.055	0.120	0.15	-0.00	105.98	
	2329.30	40.	40.	40.	70.	61.	237.39	172.

SPECIAL BRIDGE

5227 DOWNSTREAM ELEV IS 2345.21 ,NOT 2345.67
HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	16.00	0.50	177.00	0.0
	ELCHD	ELCHD						
	2329.30	2329.30						

*SECNO 4.000

*SECNO 4.000

*** GR CARDS REPEATED
PRESS FLOW BECAUSE EGLWC OF 2353.51 EXCEEDS 1.5 DEPTH

3301 HV CHANGED MORE THAN HVINS

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC	
2385.31	2353.51	0.0	5223.	1852.	177.	177.	2340.70	
ELTRD								
2340.50								
4.00	7070.	884.	5601.	585.	1.36	3	137.	
2347.03	0.0	308.	537.	225.	-0.57	0	2337.00	
17.73	0.0	2.87	10.43	2.61	0.78	2348.39	2338.00	
0.005006	0.046	0.120	0.055	0.120	0.0	-0.00	103.89	
	2329.30	15.	15.	15.	72.	65.	240.63	173.
*SECNO 4.000								
4.00	7070.	993.	5551.	526.	1.42	2	137.	
2347.04	0.0	308.	520.	225.	0.05	0	2337.00	
15.84	0.0	3.22	10.68	2.34	0.04	2348.46	2338.00	
0.002797	0.046	0.080	0.040	0.100	0.03	-0.00	103.88	
	2331.20	10.	10.	10.	72.	65.	240.65	173.

CCHV= 0.100 CEHV= 0.800
*SECNO 4.250

4.25	6695.	2624.	3739.	332.	1.06	2	163.	
2352.34	0.0	560.	363.	114.	-0.36	0	2344.40	
12.34	0.0	4.69	10.30	2.91	4.91	2353.40	2347.20	
0.005893	0.046	0.080	0.050	0.100	0.04	-0.00	144.83	
	2340.00	1265.	1265.	1265.	116.	47.	307.92	203.

CCHV= 0.100 CEHV= 0.500
*SECNO 4.260

3301 HV CHANGED MORE THAN HVINS

JACKS CREEK 500 YR FLOOD 02/28/81

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								
4.26	6695.	1970.	4540.	185.	2.50	20	155.	
2352.90	2352.90	393.	302.	65.	1.44	15	2346.70	
10.60	0.0	5.02	15.04	2.85	0.46	2355.40	2349.50	
0.010276	0.046	0.080	0.040	0.100	0.72	0.0	149.61	
	2342.30	60.	60.	60.	111.	44.	304.33	204.

G04

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.20	3.00	0.0	10.00	0.01	57.00	0.0
	ELCHU	ELCHD						
	2342.30	2342.30						

*SECNO 4.260

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2695.65	2355.42	0.02	5966.	734.	57.	57.	2348.00
ELTRD							
2349.90							

4.26	6695.	2503.	3826.	367.	0.82	3	171.	
2356.20	0.0	715.	417.	163.	-1.68	0	2346.70	
13.90	0.0	3.50	9.17	2.25	1.62	2357.02	2349.50	
0.002481	0.046	0.080	0.040	0.100	0.0	-0.00	140.57	
	2342.30	17.	17.	17.	120.	51.	311.12	205.

*SECNO 4.260

4.26	6695.	2541.	3875.	280.	0.85	2	171.	
2356.22	0.0	718.	418.	164.	0.03	0	2346.70	
13.92	0.0	3.54	9.26	1.71	0.04	2357.07	2349.50	
0.003194	0.046	0.090	0.045	0.150	0.01	-0.00	140.49	
	2342.30	15.	15.	15.	120.	51.	311.18	205.

*SECNO 4.530

3301 HV CHANGED MORE THAN HVINS

JACKS CREEK 500 YR FLOOD 02/28/81

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

4.53	6330.	55.	6260.	15.	3.64	7	70.	
2365.54	2365.54	21.	406.	7.	2.80	15	2362.50	
10.54	0.0	2.66	15.40	2.30	8.54	2369.19	2362.80	
0.015248	0.046	0.090	0.045	0.090	1.40	-0.00	49.52	
	2355.00	1450.	1450.	1450.	39.	31.	119.90	234.

H04

THIS RUN EXECUTED 02/28/81 11:56:15

****
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/

JACKS CREEK

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10K*S	VCH	AREA	.01K
2.860	0.	0.0	0.0	2289.2	2665.0	2295.50	0.0	2296.68	125.80	8.73	305.69	237.60
2.860	0.	0.0	0.0	2289.2	4725.0	2297.26	0.0	2299.11	125.84	10.96	447.52	421.20
2.860	0.	0.0	0.0	2289.2	5855.0	2298.10	0.0	2300.26	124.24	11.86	524.34	525.29
2.860	0.	0.0	0.0	2289.2	9260.0	2300.10	0.0	2303.17	128.69	14.29	730.69	816.28
3.080	1210.	0.0	0.0	2300.1	2545.0	2307.83	0.0	2309.25	85.09	9.84	327.36	275.90
3.080	1210.	0.0	0.0	2300.1	4505.0	2309.86	0.0	2311.87	87.97	12.12	548.04	480.32
3.080	1210.	0.0	0.0	2300.1	5580.0	2310.75	0.0	2313.02	89.29	13.08	663.64	590.51
3.080	1210.	0.0	0.0	2300.1	8815.0	2313.08	0.0	2315.74	84.27	14.83	1022.72	960.23
3.080	40.	0.0	0.0	2300.1	2545.0	2308.38	0.0	2309.57	63.93	9.03	350.24	318.29
3.080	40.	0.0	0.0	2300.1	4505.0	2310.72	0.0	2312.21	59.02	10.61	659.35	586.38
3.080	40.	0.0	0.0	2300.1	5580.0	2311.71	0.0	2313.37	59.03	11.38	803.03	726.26
3.080	40.	0.0	0.0	2300.1	8815.0	2314.10	0.0	2316.08	58.47	13.06	1184.39	1152.76
3.080	12.	2306.3	2306.2	2300.1	2545.0	2309.88	0.0	2310.51	27.74	6.82	551.17	483.25
3.080	12.	2306.3	2306.2	2300.1	4505.0	2311.33	0.0	2312.55	45.01	9.69	747.19	671.51
3.080	12.	2306.3	2306.2	2300.1	5580.0	2311.88	0.0	2313.44	54.83	11.10	830.74	753.57
3.080	12.	2306.3	2306.2	2300.1	8815.0	2314.10	0.0	2316.08	58.11	13.03	1187.28	1156.32
3.080	10.	0.0	0.0	2300.1	2545.0	2309.92	0.0	2310.54	27.25	6.78	555.72	487.53
3.080	10.	0.0	0.0	2300.1	4505.0	2311.40	0.0	2312.59	43.95	9.61	755.44	679.54
3.080	10.	0.0	0.0	2300.1	5580.0	2311.98	0.0	2313.50	52.79	10.96	845.35	768.02
3.080	10.	0.0	0.0	2300.1	8815.0	2314.24	0.0	2316.15	55.45	12.82	1209.43	1183.81
3.280	990.	0.0	0.0	2305.4	2435.0	2313.48	0.0	2314.34	52.23	7.79	414.56	336.92
3.280	990.	0.0	0.0	2305.4	4305.0	2315.90	0.0	2316.87	42.02	8.73	719.73	664.12
3.280	990.	0.0	0.0	2305.4	5330.0	2317.02	0.0	2318.05	39.23	9.15	869.77	850.93
3.280	990.	0.0	0.0	2305.4	8410.0	2319.49	0.0	2320.73	37.86	10.46	1313.70	1366.82
3.280	40.	0.0	0.0	2305.4	2435.0	2313.81	0.0	2314.54	42.32	7.26	453.81	374.29
3.280	40.	0.0	0.0	2305.4	4305.0	2316.15	0.0	2317.04	37.47	8.40	752.20	703.27
3.280	40.	0.0	0.0	2305.4	5330.0	2317.24	0.0	2318.20	35.74	8.87	901.12	891.55
3.280	40.	0.0	0.0	2305.4	8410.0	2319.71	0.0	2320.88	34.98	10.18	1358.76	1421.94
3.280	12.	2313.1	2313.0	2305.4	2435.0	2314.95	0.0	2315.39	21.68	5.80	596.92	522.99
3.280	12.	2313.1	2313.0	2305.4	4305.0	2316.97	0.0	2317.65	26.04	7.43	864.13	843.67
3.280	12.	2313.1	2313.0	2305.4	5330.0	2317.76	0.0	2318.58	29.02	8.27	984.40	989.38
3.280	12.	2313.1	2313.0	2305.4	8410.0	2319.83	0.0	2320.96	33.55	10.03	1383.05	1451.95

J04

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	TOK*S	VCH	AREA	.01K
3.280	10.	0.0	0.0	2305.4	2435.0	2314.96	0.0	2315.42	22.20	5.87	599.22	516.81
3.280	10.	0.0	0.0	2305.4	4305.0	2316.97	0.0	2317.70	27.34	7.61	863.52	823.27
3.280	10.	0.0	0.0	2305.4	5330.0	2317.76	0.0	2318.64	30.55	8.48	984.50	964.38
3.280	10.	0.0	0.0	2305.4	8410.0	2319.82	0.0	2321.05	35.93	10.37	1379.62	1403.03
3.500	1150.	0.0	0.0	2311.8	2310.0	2319.02	0.0	2320.26	87.69	9.12	312.42	246.69
3.500	1150.	0.0	0.0	2311.8	4085.0	2321.26	0.0	2322.61	65.97	10.04	586.24	502.93
3.500	1150.	0.0	0.0	2311.8	5055.0	2322.27	0.0	2323.70	61.20	10.51	715.76	646.19
3.500	1150.	0.0	0.0	2311.8	7965.0	2324.66	0.0	2326.35	56.27	11.88	1077.63	1061.85
3.700	1010.	0.0	0.0	2317.7	2200.0	2325.73	0.0	2326.40	43.27	6.91	493.10	334.45
3.700	1010.	0.0	0.0	2317.7	3885.0	2327.35	0.0	2328.21	46.15	8.39	861.54	571.88
3.700	1010.	0.0	0.0	2317.7	4805.0	2328.12	0.0	2329.01	44.54	8.79	1072.16	720.01
3.700	1010.	0.0	0.0	2317.7	7560.0	2330.20	0.0	2331.11	38.42	9.48	1674.72	1219.63
3.700	100.	0.0	0.0	2317.7	2200.0	2326.09	0.0	2326.92	44.78	7.31	300.84	328.75
3.700	100.	0.0	0.0	2317.7	3885.0	2327.95	0.0	2328.62	33.38	7.51	962.02	672.43
3.700	100.	0.0	0.0	2317.7	4805.0	2328.68	0.0	2329.41	34.05	8.03	1153.61	823.42
3.700	100.	0.0	0.0	2317.7	7560.0	2330.71	0.0	2331.47	30.74	8.76	1827.57	1363.47
3.700	21.	2328.9	2328.0	2317.7	2200.0	2326.16	0.0	2326.97	43.19	7.23	304.13	334.76
3.700	21.	2328.9	2328.0	2317.7	3885.0	2329.79	0.0	2330.09	12.91	5.35	1444.90	1081.40
3.700	21.	2328.9	2328.0	2317.7	4805.0	2330.62	0.0	2330.93	12.92	5.65	1799.61	1336.69
3.700	21.	2328.9	2328.0	2317.7	7560.0	2332.23	0.0	2332.69	16.93	7.09	2305.22	1837.39
3.700	25.	0.0	0.0	2317.7	2200.0	2326.78	0.0	2327.09	18.63	5.06	721.38	509.70
3.700	25.	0.0	0.0	2317.7	3885.0	2329.94	0.0	2330.13	8.79	4.46	1597.48	1310.37
3.700	25.	0.0	0.0	2317.7	4805.0	2330.76	0.0	2330.97	9.17	4.80	1841.91	1586.74
3.700	25.	0.0	0.0	2317.7	7560.0	2332.45	0.0	2332.75	11.40	5.89	2381.43	2239.37
3.730	85.	0.0	0.0	2320.5	2185.0	2326.88	2326.81	2328.57	230.89	10.51	238.83	143.80
3.730	85.	0.0	0.0	2320.5	3855.0	2329.95	0.0	2330.93	79.52	8.85	810.61	432.30
3.730	85.	0.0	0.0	2320.5	4770.0	2330.77	0.0	2331.77	74.33	9.19	1031.31	553.29
3.730	85.	0.0	0.0	2320.5	7495.0	2332.47	0.0	2333.65	76.13	10.55	1519.78	859.03
3.760	85.	0.0	0.0	2321.3	2165.0	2328.89	0.0	2329.84	94.43	7.94	314.16	222.79
3.760	85.	0.0	0.0	2321.3	3825.0	2330.63	0.0	2331.98	100.18	9.82	499.61	382.16
3.760	85.	0.0	0.0	2321.3	4730.0	2331.40	0.0	2332.93	102.28	10.61	587.10	467.71
3.760	85.	0.0	0.0	2321.3	7435.0	2333.08	0.0	2335.17	115.74	12.81	832.04	691.09
3.760	60.	0.0	0.0	2321.3	2165.0	2329.64	0.0	2330.31	57.70	6.76	386.69	285.02
3.760	60.	0.0	0.0	2321.3	3825.0	2331.53	0.0	2332.49	62.55	8.39	603.57	483.65
3.760	60.	0.0	0.0	2321.3	4730.0	2332.38	0.0	2333.46	63.73	9.05	723.79	592.48
3.760	60.	0.0	0.0	2321.3	7435.0	2334.39	0.0	2335.77	67.29	10.63	1054.07	906.40
3.760	16.	2328.9	2328.6	2321.3	2165.0	2331.14	0.0	2331.50	24.70	5.10	540.95	435.59
3.760	16.	2328.9	2328.6	2321.3	3825.0	2333.04	0.0	2333.60	31.08	6.62	826.71	686.11
3.760	16.	2328.9	2328.6	2321.3	4730.0	2333.71	0.0	2334.40	35.70	7.43	938.00	791.69
* 3.760	16.	2328.9	2328.6	2321.3	7435.0	2335.24	0.0	2336.30	48.67	9.50	1205.24	1065.72
3.760	15.	0.0	0.0	2321.3	2165.0	2331.19	0.0	2331.54	23.79	5.03	562.98	443.89
3.760	15.	0.0	0.0	2321.3	3825.0	2333.10	0.0	2333.65	30.30	6.57	836.15	694.90
3.760	15.	0.0	0.0	2321.3	4730.0	2333.78	0.0	2334.45	34.75	7.36	949.00	802.36
3.760	15.	0.0	0.0	2321.3	7435.0	2335.34	0.0	2336.38	47.06	9.39	1221.76	1083.77

K04

									10K*S	VCH	AREA	.01K

KO4

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	TDK*S	VCH	AREA	.DIK
	3.940	910.	0.0	0.0	2323.8	2090.0	2333.62	0.0	2334.20	33.56	6.42	425.82	360.80
	3.940	910.	0.0	0.0	2323.8	3685.0	2335.79	0.0	2336.48	30.45	7.42	712.49	667.82
	3.940	910.	0.0	0.0	2323.8	4555.0	2336.69	0.0	2337.44	30.31	7.91	852.93	827.31
	3.940	910.	0.0	0.0	2323.8	7155.0	2338.87	0.0	2339.76	29.57	8.97	1261.51	1315.84
	3.940	60.	0.0	0.0	2323.8	2090.0	2333.88	0.0	2334.39	28.51	6.08	457.76	391.44
	3.940	60.	0.0	0.0	2323.8	3685.0	2336.03	0.0	2336.66	27.10	7.13	746.22	707.81
	3.940	60.	0.0	0.0	2323.8	4555.0	2336.93	0.0	2337.62	27.11	7.61	896.62	874.76
	3.940	60.	0.0	0.0	2323.8	7155.0	2339.11	0.0	2339.93	27.04	8.69	1306.96	1376.04
	3.940	13.	2333.5	2332.8	2323.8	2090.0	2335.56	0.0	2335.80	10.98	4.38	680.81	630.67
*	3.940	13.	2333.5	2332.8	2323.8	3685.0	2337.12	0.0	2337.54	16.25	5.97	932.37	914.25
*	3.940	13.	2333.5	2332.8	2323.8	4555.0	2337.77	0.0	2338.28	18.70	6.68	1052.56	1053.42
*	3.940	13.	2333.5	2332.8	2323.8	7155.0	2339.59	0.0	2340.30	22.51	8.15	1403.99	1507.92
	3.940	15.	0.0	0.0	2325.7	2090.0	2335.55	0.0	2335.85	13.59	4.76	661.69	567.04
	3.940	15.	0.0	0.0	2325.7	3685.0	2337.10	0.0	2337.62	20.25	6.54	909.74	818.94
	3.940	15.	0.0	0.0	2325.7	4555.0	2337.74	0.0	2338.38	23.50	7.36	1027.42	939.61
	3.940	15.	0.0	0.0	2325.7	7155.0	2339.52	0.0	2340.44	28.95	9.10	1371.32	1329.81
	3.960	100.	0.0	0.0	2325.7	2090.0	2335.71	0.0	2336.02	20.09	4.80	683.62	466.23
	3.960	100.	0.0	0.0	2325.7	3685.0	2337.33	0.0	2337.88	29.99	6.62	952.33	672.89
	3.960	100.	0.0	0.0	2325.7	4555.0	2338.00	0.0	2338.68	34.82	7.46	1077.39	771.87
	3.960	100.	0.0	0.0	2325.7	7155.0	2339.84	0.0	2340.83	43.80	9.32	1433.62	1081.13
*	4.000	180.	0.0	0.0	2329.3	2065.0	2337.33	2337.33	2339.66	312.72	12.25	168.77	116.77
*	4.000	180.	0.0	0.0	2329.3	3645.0	2339.56	2339.56	2342.71	255.85	14.29	268.13	227.88
*	4.000	180.	0.0	0.0	2329.3	4500.0	2340.66	2340.66	2344.07	228.88	14.96	331.77	297.45
*	4.000	180.	0.0	0.0	2329.3	7070.0	2343.59	2343.59	2347.02	163.47	15.65	628.07	552.97
	4.000	40.	0.0	0.0	2329.3	2065.0	2339.31	0.0	2340.41	93.53	8.42	255.21	213.52
	4.000	40.	0.0	0.0	2329.3	3645.0	2341.88	0.0	2343.42	87.85	10.21	438.37	388.88
	4.000	40.	0.0	0.0	2329.3	4500.0	2343.17	0.0	2344.75	78.00	10.53	579.82	509.51
	4.000	40.	0.0	0.0	2329.3	7070.0	2345.67	0.0	2347.61	77.80	12.16	886.40	801.56
	4.000	15.	2340.5	2340.7	2329.3	2065.0	2341.70	0.0	2342.22	30.35	5.92	420.85	374.80
*	4.000	15.	2340.5	2340.7	2329.3	3645.0	2344.28	0.0	2345.03	33.41	7.38	711.70	630.63
*	4.000	15.	2340.5	2340.7	2329.3	4500.0	2345.23	0.0	2346.11	36.56	8.14	829.41	744.20
*	4.000	15.	2340.5	2340.7	2329.3	7070.0	2347.03	0.0	2348.39	50.06	10.43	1069.48	999.29
	4.000	10.	0.0	0.0	2331.2	2065.0	2341.69	0.0	2342.27	18.46	6.23	402.95	480.56
	4.000	10.	0.0	0.0	2331.2	3645.0	2344.28	0.0	2345.07	19.31	7.64	693.57	829.42
	4.000	10.	0.0	0.0	2331.2	4500.0	2345.23	0.0	2346.16	20.78	8.37	812.87	987.27
	4.000	10.	0.0	0.0	2331.2	7070.0	2347.04	0.0	2348.46	27.97	10.68	1053.30	1336.92
*	4.250	1265.	0.0	0.0	2340.0	1965.0	2346.76	2346.76	2348.36	169.17	10.62	236.12	151.08
	4.250	1265.	0.0	0.0	2340.0	3460.0	2348.88	0.0	2350.20	106.13	10.54	500.32	335.85
	4.250	1265.	0.0	0.0	2340.0	4270.0	2349.83	0.0	2351.04	86.75	10.39	642.44	458.45
	4.250	1265.	0.0	0.0	2340.0	6695.0	2352.34	0.0	2353.40	58.93	10.30	1036.84	872.14
*	4.260	60.	0.0	0.0	2342.3	1965.0	2348.80	2348.80	2351.17	154.93	12.38	158.75	157.87
*	4.260	60.	0.0	0.0	2342.3	3460.0	2350.94	2350.94	2352.69	89.04	11.79	465.48	366.69
*	4.260	60.	0.0	0.0	2342.3	4270.0	2351.54	2351.54	2353.46	91.31	12.64	553.30	446.86
*	4.260	60.	0.0	0.0	2342.3	6695.0	2352.90	2352.90	2355.40	102.76	15.04	759.51	660.45

LO4

LD4

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	TOK*S	VCH	AREA	.DIK
	4.260	17.	2349.9	2348.0	2342.3	1965.0	2352.93	0.0	2353.14	8.72	4.39	764.06	665.52
	4.260	17.	2349.9	2348.0	2342.3	3460.0	2354.34	0.0	2354.73	13.78	6.11	988.20	932.03
	4.260	17.	2349.9	2348.0	2342.3	4270.0	2354.91	0.0	2355.40	16.50	6.93	1081.06	1051.26
	4.260	17.	2349.9	2348.0	2342.3	6695.0	2356.20	0.0	2357.02	24.81	9.17	1295.74	1344.22
	4.260	15.	0.0	0.0	2342.3	1965.0	2352.94	0.0	2353.16	11.13	4.41	765.67	589.01
	4.260	15.	0.0	0.0	2342.3	3460.0	2354.36	0.0	2354.76	17.68	6.16	990.80	822.83
	4.260	15.	0.0	0.0	2342.3	4270.0	2354.93	0.0	2355.43	21.22	6.99	1083.85	926.98
	4.260	15.	0.0	0.0	2342.3	6695.0	2356.22	0.0	2357.07	31.94	9.26	1300.70	1184.62
*	4.530	1450.	0.0	0.0	2355.0	1865.0	2360.84	2360.84	2362.75	206.93	11.09	168.24	129.65
*	4.530	1450.	0.0	0.0	2355.0	3275.0	2362.66	2362.66	2365.19	192.30	12.77	256.54	236.17
*	4.530	1450.	0.0	0.0	2355.0	4040.0	2363.45	2363.45	2366.31	179.21	13.57	299.98	301.79
*	4.530	1450.	0.0	0.0	2355.0	6330.0	2365.54	2365.54	2369.19	152.48	15.40	433.68	512.62

MD4

JACKS CREEK

SUMMARY PRINTOUT TABLE 150

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
2.860	2665.	2295.5	0.0	0.0	0.0	73.14	0.0
2.860	4725.	2297.3	1.8	0.0	0.0	87.82	0.0
2.860	5855.	2298.1	0.8	0.0	0.0	94.83	0.0
2.860	9260.	2300.1	2.0	0.0	0.0	111.50	0.0
3.080	2545.	2307.8	0.0	12.3	0.0	93.39	1210.00
3.080	4505.	2309.9	2.0	12.6	0.0	124.22	1210.00
3.080	5580.	2310.8	0.9	12.7	0.0	137.62	1210.00
3.080	8815.	2313.1	2.3	13.0	0.0	161.37	1210.00
3.080	2545.	2308.4	0.0	0.5	0.0	87.37	40.00
3.080	4505.	2310.7	2.3	0.9	0.0	137.15	40.00
3.080	5580.	2311.7	1.0	1.0	0.0	152.21	40.00
3.080	8815.	2314.1	2.4	1.0	0.0	163.28	40.00
3.080	2545.	2309.9	0.0	1.5	0.0	124.59	12.00
3.080	4505.	2311.3	1.5	0.6	0.0	146.53	12.00
3.080	5580.	2311.9	0.5	0.2	0.0	154.94	12.00
3.080	8815.	2314.1	2.2	0.0	0.0	163.32	12.00
3.080	2545.	2309.9	0.0	0.0	0.0	125.14	10.00
3.080	4505.	2311.4	1.5	0.1	0.0	147.38	10.00
3.080	5580.	2312.0	0.6	0.1	0.0	156.36	10.00
3.080	8815.	2314.2	2.3	0.1	0.0	163.58	10.00
3.280	2435.	2313.5	0.0	3.6	0.0	120.13	990.00
3.280	4305.	2315.9	2.4	4.5	0.0	131.71	990.00
3.280	5330.	2317.0	1.1	5.0	0.0	138.21	990.00
3.280	8410.	2319.5	2.5	5.2	0.0	197.64	990.00
3.280	2435.	2313.8	0.0	0.3	0.0	121.68	40.00
3.280	4305.	2316.1	2.3	0.2	0.0	132.89	40.00
3.280	5330.	2317.2	1.1	0.2	0.0	139.79	40.00
3.280	8410.	2319.7	2.5	0.2	0.0	199.37	40.00
3.280	2435.	2315.0	0.0	1.1	0.0	127.18	12.00
3.280	4305.	2317.0	2.0	0.8	0.0	137.92	12.00
3.280	5330.	2317.8	0.8	0.5	0.0	184.49	12.00
3.280	8410.	2319.8	2.1	0.1	0.0	200.30	12.00
3.280	2435.	2315.0	0.0	0.0	0.0	127.26	10.00
3.280	4305.	2317.0	2.0	0.0	0.0	137.89	10.00
3.280	5330.	2317.8	0.8	0.0	0.0	184.50	10.00
3.280	8410.	2319.8	2.1	-0.0	0.0	200.17	10.00
3.500	2310.	2319.0	0.0	4.1	0.0	115.99	1150.00
3.500	4085.	2321.3	2.2	4.3	0.0	126.77	1150.00
3.500	5055.	2322.3	1.0	4.5	0.0	131.57	1150.00
3.500	7965.	2324.7	2.4	4.8	0.0	188.30	1150.00
3.700	2200.	2325.7	0.0	6.7	0.0	193.01	1010.00
3.700	3885.	2327.4	1.6	6.1	0.0	259.19	1010.00

AD5

3.700	4805.	2328.1	0.8	5.8	0.0	282.98	1010.00
3.700	7560.	2330.2	2.1	5.5	0.0	295.95	1010.00

BD5

B05

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	3.700	2200.	2326.1	0.0	0.4	0.0	48.00	100.00
	3.700	3885.	2327.9	1.9	0.6	0.0	258.40	100.00
	3.700	4805.	2328.7	0.7	0.6	0.0	262.14	100.00
	3.700	7560.	2330.7	2.0	0.5	0.0	300.39	100.00
	3.700	2200.	2326.2	0.0	0.1	0.0	48.00	21.00
	3.700	3885.	2329.8	3.6	1.8	0.0	265.59	21.00
	3.700	4805.	2330.6	0.8	1.9	0.0	299.26	21.00
	3.700	7560.	2332.2	1.6	1.5	0.0	352.52	21.00
	3.700	2200.	2326.8	0.0	0.6	0.0	239.37	25.00
	3.700	3885.	2329.9	3.2	0.2	0.0	294.32	25.00
	3.700	4805.	2330.8	0.8	0.1	0.0	300.96	25.00
	3.700	7560.	2332.4	1.7	0.2	0.0	354.72	25.00
	3.730	2185.	2326.9	0.0	0.1	0.0	113.03	85.00
	3.730	3855.	2329.9	3.1	0.0	0.0	252.14	85.00
	3.730	4770.	2330.8	0.8	0.0	0.0	281.31	85.00
	3.730	7495.	2332.5	1.7	0.0	0.0	292.66	85.00
	3.760	2165.	2328.9	0.0	2.0	0.0	102.74	85.00
	3.760	3825.	2330.6	1.7	0.7	0.0	110.77	85.00
	3.760	4730.	2331.4	0.8	0.6	0.0	119.41	85.00
	3.760	7435.	2333.1	1.7	0.6	0.0	161.85	85.00
	3.760	2165.	2329.6	0.0	0.7	0.0	100.85	60.00
	3.760	3825.	2331.5	1.9	0.9	0.0	123.43	60.00
	3.760	4730.	2332.4	0.9	1.0	0.0	153.96	60.00
	3.760	7435.	2334.4	2.0	1.3	0.0	175.61	60.00
	3.760	2165.	2331.1	0.0	1.5	0.0	104.04	16.00
	3.760	3825.	2333.0	1.9	1.5	0.0	161.47	16.00
	3.760	4730.	2333.7	0.7	1.3	0.0	169.21	16.00
*	3.760	7435.	2335.2	1.5	0.8	0.0	179.48	16.00
	3.760	2165.	2331.2	0.0	0.1	0.0	113.38	15.00
	3.760	3825.	2333.1	1.9	0.1	0.0	162.14	15.00
	3.760	4730.	2333.8	0.7	0.1	0.0	169.95	15.00
	3.760	7435.	2335.3	1.6	0.1	0.0	179.90	15.00
	3.940	2090.	2333.6	0.0	2.4	0.0	120.81	910.00
	3.940	3685.	2335.8	2.2	2.7	0.0	140.11	910.00
	3.940	4555.	2336.7	0.9	2.9	0.0	175.30	910.00
	3.940	7155.	2338.9	2.2	3.5	0.0	193.67	910.00
	3.940	2090.	2333.9	0.0	0.3	0.0	124.53	60.00
	3.940	3685.	2336.0	2.1	0.2	0.0	143.94	60.00
	3.940	4555.	2336.9	0.9	0.2	0.0	182.88	60.00
	3.940	7155.	2339.1	2.2	0.2	0.0	194.98	60.00
	3.940	2090.	2335.6	0.0	1.7	0.0	138.54	13.00
*	3.940	3685.	2337.1	1.6	1.1	0.0	183.96	13.00
*	3.940	4555.	2337.8	0.6	0.8	0.0	187.57	13.00
*	3.940	7155.	2339.6	1.8	0.5	0.0	197.73	13.00

C05

C05

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	3.940	2090.	2335.6	0.0	-0.0	0.0	138.49	15.00
	3.940	3685.	2337.1	1.5	-0.0	0.0	183.83	15.00
	3.940	4555.	2337.7	0.6	-0.0	0.0	187.36	15.00
	3.940	7155.	2339.5	1.8	-0.1	0.0	197.32	15.00
	3.960	2090.	2335.7	0.0	0.2	0.0	139.57	100.00
	3.960	3685.	2337.3	1.6	0.2	0.0	185.11	100.00
	3.960	4555.	2338.0	0.7	0.3	0.0	188.84	100.00
	3.960	7155.	2339.8	1.8	0.3	0.0	199.07	100.00
*	4.000	2065.	2337.3	0.0	1.6	0.0	38.08	180.00
*	4.000	3645.	2339.6	2.2	2.2	0.0	53.15	180.00
*	4.000	4500.	2340.7	1.1	2.7	0.0	66.52	180.00
*	4.000	7070.	2343.6	2.9	3.7	0.0	116.68	180.00
	4.000	2065.	2339.3	0.0	2.0	0.0	51.15	40.00
	4.000	3645.	2341.9	2.6	2.3	0.0	104.06	40.00
	4.000	4500.	2343.2	1.3	2.5	0.0	113.60	40.00
	4.000	7070.	2345.7	2.5	2.1	0.0	131.41	40.00
	4.000	2065.	2341.7	0.0	2.4	0.0	102.81	15.00
*	4.000	3645.	2344.3	2.6	2.4	0.0	121.84	15.00
*	4.000	4500.	2345.2	0.9	2.1	0.0	128.73	15.00
*	4.000	7070.	2347.0	1.8	1.4	0.0	136.74	15.00
	4.000	2065.	2341.7	0.0	-0.0	0.0	102.76	10.00
	4.000	3645.	2344.3	2.6	0.0	0.0	121.77	10.00
	4.000	4500.	2345.2	1.0	0.0	0.0	128.77	10.00
	4.000	7070.	2347.0	1.8	0.0	0.0	136.76	10.00
*	4.250	1965.	2346.8	0.0	5.1	0.0	92.08	1265.00
	4.250	3460.	2348.9	2.1	4.6	0.0	146.45	1265.00
	4.250	4270.	2349.8	1.0	4.6	0.0	151.04	1265.00
	4.250	6695.	2352.3	2.5	5.3	0.0	163.10	1265.00
*	4.260	1965.	2348.8	0.0	2.0	0.0	33.59	60.00
*	4.260	3460.	2350.9	2.1	2.1	0.0	145.31	60.00
*	4.260	4270.	2351.5	0.6	1.7	0.0	148.18	60.00
*	4.260	6695.	2352.9	1.4	0.6	0.0	154.72	60.00
	4.260	1965.	2352.9	0.0	4.1	0.0	154.86	17.00
	4.260	3460.	2354.3	1.4	3.4	0.0	161.66	17.00
	4.260	4270.	2354.9	0.6	3.4	0.0	164.40	17.00
	4.260	6695.	2356.2	1.3	3.3	0.0	170.55	17.00
	4.260	1965.	2352.9	0.0	0.0	0.0	154.91	15.00
	4.260	3460.	2354.4	1.4	0.0	0.0	161.74	15.00
	4.260	4270.	2354.9	0.6	0.0	0.0	164.48	15.00
	4.260	6695.	2356.2	1.3	0.0	0.0	170.69	15.00
*	4.530	1865.	2360.8	0.0	7.9	0.0	44.70	1450.00
*	4.530	3275.	2362.7	1.8	8.3	0.0	52.47	1450.00
*	4.530	4040.	2363.5	0.8	8.5	0.0	57.38	1450.00
*	4.530	6330.	2365.5	2.1	9.3	0.0	70.38	1450.00

D05

DO5

SUMMARY OF ERRORS

```
CAUTION  SECNO=    3.760  PROFILE= 4  HYDRAULIC JUMP D.S.

CAUTION  SECNO=    3.940  PROFILE= 2  HYDRAULIC JUMP D.S.
CAUTION  SECNO=    3.940  PROFILE= 3  HYDRAULIC JUMP D.S.
CAUTION  SECNO=    3.940  PROFILE= 4  HYDRAULIC JUMP D.S.

CAUTION  SECNO=    4.000  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    4.000  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    4.000  PROFILE= 3  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    4.000  PROFILE= 4  CRITICAL DEPTH ASSUMED

CAUTION  SECNO=    4.000  PROFILE= 2  HYDRAULIC JUMP D.S.
CAUTION  SECNO=    4.000  PROFILE= 3  HYDRAULIC JUMP D.S.
CAUTION  SECNO=    4.000  PROFILE= 4  HYDRAULIC JUMP D.S.

CAUTION  SECNO=    4.250  PROFILE= 1  CRITICAL DEPTH ASSUMED

CAUTION  SECNO=    4.260  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    4.260  PROFILE= 1
 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    4.260  PROFILE= 1
 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=    4.260  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    4.260  PROFILE= 2
 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    4.260  PROFILE= 2
 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=    4.260  PROFILE= 3  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    4.260  PROFILE= 3
 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    4.260  PROFILE= 3
 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=    4.260  PROFILE= 4  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    4.260  PROFILE= 4
 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    4.260  PROFILE= 4
 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=    4.530  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    4.530  PROFILE= 1
 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    4.530  PROFILE= 1
 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=    4.530  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    4.530  PROFILE= 2
 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    4.530  PROFILE= 2
 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=    4.530  PROFILE= 3  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    4.530  PROFILE= 3
 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    4.530  PROFILE= 3
 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=    4.530  PROFILE= 4  CRITICAL DEPTH ASSUMED
```

E05

ED5

JACKS CREEK

YANCEY CO NC FEMA STUDY

	500 YR FLOOD		100 YR FLOOD		50 YR FLOOD		10 YR FLOOD	
MILE	Q	ELEV	Q	ELEV	Q	ELEV	Q	ELEV
2.860	9260.	2300.1	5855.	2298.1	4725.	2297.3	2665.	2295.5
3.080	8815.	2313.1	5580.	2310.8	4505.	2309.9	2545.	2307.8
3.080	8815.	2314.2	5580.	2312.0	4505.	2311.4	2545.	2309.9
3.280	8410.	2319.5	5330.	2317.0	4305.	2315.9	2435.	2313.5
3.280	8410.	2319.8	5330.	2317.8	4305.	2317.0	2435.	2315.0
3.500	7965.	2324.7	5055.	2322.3	4085.	2321.3	2310.	2319.0
3.700	7560.	2330.2	4805.	2328.1	3885.	2327.4	2200.	2325.7
3.700	7560.	2332.4	4805.	2330.8	3885.	2329.9	2200.	2326.8
3.730	7495.	2332.5	4770.	2330.8	3855.	2329.9	2185.	2326.9
3.760	7435.	2333.1	4730.	2331.4	3825.	2330.6	2165.	2328.9
3.760	7435.	2335.3	4730.	2333.8	3825.	2333.1	2165.	2331.2
3.940	7155.	2338.9	4555.	2336.7	3685.	2335.8	2090.	2333.6
3.940	7155.	2339.5	4555.	2337.7	3685.	2337.1	2090.	2335.6
3.960	7155.	2339.8	4555.	2338.0	3685.	2337.3	2090.	2335.7
4.000	7070.	2343.6	4500.	2340.7	3645.	2339.6	2065.	2337.3
4.000	7070.	2347.0	4500.	2345.2	3645.	2344.3	2065.	2341.7
4.250	6695.	2352.3	4270.	2349.8	3460.	2348.9	1965.	2346.8
4.260	6695.	2352.9	4270.	2351.5	3460.	2350.9	1965.	2348.8
4.260	6695.	2356.2	4270.	2354.9	3460.	2354.4	1965.	2352.9
4.530	6330.	2365.5	4040.	2363.5	3275.	2362.7	1865.	2360.8

..

THIS RUN EXECUTED 02/28/81 11:55:25

```
**********************************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED JULY1979
  ERROR CORR -  01,02,03
  MODIFICATION -  50,51,52,53,54
**********************************************************************
T1       YANCEY CO NC FEMA STUDY                RAM 2-18-81 JACKSF1                          5
T2       100 YR FLOOD                           JCL  HCDQ113                                 10
T3       JACKS CREEK                            100 YR FLOODWAY                              15
J1  ICHECK     INQ     NINV     IDIR     STRT  METRIC    HVINS      Q      WSEL     FQ
          0.      4.       0.       0.  0.01263       0.     0.0       0.     0.0     0.0      20
J2  NPROF   IPLOT   PRFVS   XSECV   XSECH       FN   ALLDC     IBW  CHNIM ITRACE
          0.      0.      -1.      0.      0.     0.0     0.0      0.      0.      0.      25
J3  VARIABLE CODES FOR SUMMARY PRINTOUT
       110.00    0.0  200.00     0.0     0.0     0.0     0.0     0.0     0.0     0.0      30
QT        5.   2665.   4725.   5855.   9260.   5855.      0.      0.      0.      0.      35
NC    0.090   0.120   0.050     0.1     0.5                                                40
ET        0.     0.0     0.0     0.0     0.0    7.11  165.00  235.00     0.0     0.0      45

X1     2.86     17.    165.    235.      0.      0.      0.     0.0     0.0      0.      50
GR  2311.0    100.  2302.4    111.  2303.2    113.  2304.0    128.  2304.0    135.      55
GR  2295.0    165.  2290.8    178.  2290.3    180.  2290.4    190.  2290.4    197.      60
GR  2290.3    206.  2289.2    210.  2290.7    220.  2291.0    226.  2295.2    235.      65
GR  2301.0    264.  2311.5    284.     0.0      0.     0.0      0.     0.0      0.      70
QT        5.   2545.   4505.   5580.   8815.   5580.      0.      0.      0.      0.      75
NC    0.130   0.100   0.045     0.0     0.0                                                80
ET        0.     0.0     0.0     0.0     0.0    7.11  165.00  255.00     0.0     0.0      85

X1     3.08     16.    167.    207.    1210.   1210.   1210.     0.0     0.0      0.      90
GR  2324.6    100.  2324.5    111.  2323.3    124.  2310.3    149.  2306.2    157.      95
GR  2305.5    167.  2301.7    174.  2300.8    178.  2300.8    185.  2300.7    190.     100
GR  2300.1    192.  2301.3    199.  2304.8    207.  2312.2    305.  2315.0    305.     105
GR  2322.2    325.     0.0      0.     0.0      0.     0.0      0.     0.0      0.      110
ET        0.     0.0     0.0     0.0     0.0    7.11  165.00  255.00     0.0     0.0      115

X1     3.08      0.      0.      0.     40.     40.     40.     0.0     0.0      0.      120
X3       10.     0.0     0.0      0.     0.0      0.     0.0  2308.7  2305.8               125
SB     1.25    1.60    3.00      0.   21.00    0.02  128.00     0.0  2300.1  2300.1      130
ET        0.     0.0     0.0     0.0     0.0    7.11  165.00  255.00     0.0     0.0      135

X1     3.08      0.      0.      0.     12.     12.     12.     0.0     0.0      0.      140
X2        0.     0.0      1.  2306.2  2306.3     0.0      0.     0.0     0.0      0.      145
X3       10.     0.0     0.0      0.     0.0      0.     0.0  2309.2  2305.3               150
BT     11.0   100.0  2324.6     0.0   110.0  2324.5     0.0   124.0  2323.3     0.0      155
```

```
X3    10.     0.0     0.0      0.      0.      0.      0.      0.      0.
BT    11.0  100.0  2324.6     0.0   110.0  2324.5     0.0   124.0  2323.3     0.0
```

BO1

```
BT   149.0  2310.3     0.0   174.0  2309.2     0.0   199.0  2306.5     0.0   199.0   160
BT  2306.3     0.0   245.0  2308.0     0.0   288.0  2311.0     0.0   305.0  2312.5   165
BT     0.0   305.0  2315.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0   170
ET      0.      0.      0.      0.      0.    7.11  165.00  255.00     0.0     0.0   175

X1   3.08      16.     167.     207.      10.      10.      10.     0.0     0.0      0.   180
GR 2324.6     100.  2324.5     110.  2323.3     124.  2310.3     149.  2306.2     157.  185
GR 2305.5     167.  2301.7     174.  2300.8     178.  2300.8     185.  2300.7     190.  190
GR 2300.1     192.  2301.3     199.  2304.8     207.  2312.2     305.  2315.0     305.  195
GR 2322.2     325.     0.0      0.     0.0      0.     0.0      0.     0.0      0.   200
QT      5.    2435.    4305.    5330.    8410.    5330.      0.      0.      0.      0.  205
NC  0.090   0.120   0.045      0.0      0.8                                            210
ET      0.      0.      0.      0.      0.    7.11  195.00  285.00     0.0     0.0   215

X1   3.28      21.     235.     281.     990.     990.     990.     0.0     0.0      0.   220
GR 2326.9     100.  2322.5     115.  2317.5     127.  2317.5     135.  2317.5     152.  225
GR 2316.5     157.  2312.5     168.  2310.7     235.  2309.0     240.  2306.4     248.  230
GR 2306.2     252.  2306.4     257.  2306.4     270.  2307.5     273.  2311.3     281.  235
GR 2317.7     294.  2317.5     302.  2317.6     310.  2322.0     333.  2324.4     400.  240
GR 2327.0     407.     0.0      0.     0.0      0.     0.0      0.     0.0      0.   245
NC    0.0     0.0     0.0      0.0      0.5                                            250
ET      0.      0.      0.      0.      0.    7.11  195.00  285.00     0.0     0.0   255

X1   3.28      0.      0.      0.      40.     40.     40.     0.0     0.0      0.   260
X3     10.     0.0     0.0      0.     0.0      0.     0.0  2312.6  2313.8           265
SB   1.25    1.60    3.00      0.   30.00    0.10  230.00     0.0  2306.3  2305.3   270
ET      0.      0.      0.      0.      0.    7.11  195.00  285.00     0.0     0.0   275

X1   3.28      0.      0.      0.      12.     12.     12.     0.0     0.0      0.   280
X2      0.     0.0      1.  2313.0  2313.1     0.0      0.     0.0     0.0      0.  285
X3     10.     0.0     0.0      0.     0.0      0.     0.0  2313.1  2314.3           290
BT   19.0   100.0  2326.9     0.0   115.0  2322.5     0.0   127.0  2317.5     0.0   295
BT  135.0  2317.5     0.0   152.0  2317.5     0.0   157.0  2316.5     0.0   165.0   300
BT 2313.7     0.0   172.0  2313.1     0.0   239.0  2314.4     0.0   239.0  2314.8   305
BT    0.0   275.0  2314.6     0.0   275.0  2314.3     0.0   288.0  2314.7     0.0   310
BT  294.0  2317.7     0.0   302.0  2317.5     0.0   310.0  2317.6     0.0   333.0   315
BT 2322.0     0.0   400.0  2324.4     0.0   407.0  2327.0     0.0     0.0     0.0   320
NC  0.100   0.130   0.045      0.0      0.0                                            325
ET      0.      0.      0.      0.      0.    7.11  195.00  285.00     0.0     0.0   330

X1   3.28      0.      0.      0.      10.     10.     10.     0.0     0.0      0.   335
QT      5.    2310.    4085.    5055.    7965.    5055.      0.      0.      0.      0.  340
ET      0.      0.      0.      0.      0.    7.11  195.00  285.00     0.0     0.0   345

X1   3.50      0.      0.      0.    1150.    1150.    1150.     0.0    6.40      0.   350
QT      5.    2200.    3885.    4805.    7560.    4805.      0.      0.      0.      0.  355
NC  0.110   0.150   0.045      0.0      0.8                                            360
ET      0.      0.      0.      0.      0.    7.11  300.00  420.00     0.0     0.0   365

X1   3.70      19.     367.     415.    1010.    1010.    1010.     0.0     0.0      0.   370
GR 2338.5     100.  2332.2     108.  2332.2     117.  2332.2     130.  2331.2     145.  375
GR 2328.0     155.  2326.6     200.  2323.1     350.  2323.7     367.  2319.5     380.  380
GR 2318.6     385.  2318.3     394.  2317.7     400.  2319.0     406.  2323.5     415.  385
```

```
GR 2328.0   155.  2326.8   [illegible]  [illegible]   400.  2319.0   406.  [illegible]   [illegible]  [illegible]
GR 2318.6   385.  2318.3   394.  2317.7   400.  2319.0   406.  2323.3   415.  [illegible]
```

CD1

```
GR 2324.7   427.  2330.5   445.  2333.3   470.  2339.3   491.   0.0    0.   390
NC   0.0     0.0   0.0     0.0   0.5                                          395
ET    0.     0.0   0.0     0.0   0.0    7.11  300.00  420.00  0.0    0.0  400
-------------------------------------------------------------------------------
X1   3.70     0.    0.      0.   100.   100.   100.    0.0    0.0    0.   405
X3     10.    0.0   0.0     0.    0.0    0.     0.0  2326.5 2330.0        410
SB   1.25    1.60  3.00     0.   25.00  0.70  370.00   1.60  2318.6 2318.6 415
ET    0.     0.0   0.0     0.0   0.0    7.11  300.00  420.00  0.0    0.0  420
-------------------------------------------------------------------------------
X1   3.70     0.    0.      0.   21.    21.    21.     0.0    0.0    0.   425
X2     0.    0.0    1.   2328.0 2328.9  0.0     0.     0.0    0.0    0.   430
X3     10.   0.0   0.0     0.    0.0    0.     0.0  2328.9 2330.5        435
BT   14.0   100.0 2338.5   0.0  108.0  2332.2   0.0  117.0  2332.2   0.0  440
BT  130.0  2332.2   0.0   145.0 2331.2    0.0  150.0 2329.8    0.0  255.0 445
BT 2328.9     0.0 357.0  2329.7   0.0  357.0  2331.4    0.0  415.0 2331.7 450
BT    0.0   415.0 2330.5   0.0  460.0  2332.5   0.0  470.0  2333.3   0.0  455
BT  491.0  2339.3   0.0     0.0   0.0    0.0    0.0    0.0    0.0    0.0  460
NC  0.080   0.100 0.045     0.0   0.0                                        465
ET    0.     0.0   0.0     0.0   0.0    7.11  300.00  420.00  0.0    0.0  470
-------------------------------------------------------------------------------
X1   3.70     0.    0.      0.   25.    25.    25.     0.0    0.0    0.   475
QT      5.  2185.  3855.   4770.  7495.  4770.    0.     0.     0.     0.   480
NC  0.150   0.150 0.055     0.0   0.8                                        485
ET    0.     0.0   0.0     0.0   0.0    7.11  300.00  420.00  0.0    0.0  490
-------------------------------------------------------------------------------
X1   3.73     0.    0.      0.   85.    85.    85.     0.0    2.80   0.   495
QT      5.  2165.  3825.   4730.  7435.  4730.    0.     0.     0.     0.   500
NC  0.100   0.120 0.055     0.0   0.8                                        505
ET    0.     0.0   0.0     0.0   0.0    7.11  175.00  275.00  0.0    0.0  510
-------------------------------------------------------------------------------
X1   3.76    17.   227.    275.   85.    85.    85.     0.0    0.0    0.   515
GR 2342.5   100.  2334.2   117.  2331.2  144.  2332.2   160.  2331.6  170.  520
GR 2328.3   177.  2327.6   227.  2324.5  234.  2322.7   239.  2322.0  245.  525
GR 2321.3   253.  2321.3   258.  2321.6  261.  2322.1   262.  2327.5  275.  530
GR 2337.5   300.  2342.3   316.   0.0     0.     0.0     0.     0.0    0.   535
NC   0.0     0.0   0.0     0.0   0.5                                          540
ET    0.     0.0   0.0     0.0   0.0    7.11  175.00  275.00  0.0    0.0  545
-------------------------------------------------------------------------------
X1   3.76    17.   227.    275.   60.    60.    60.     0.0    0.0    0.   550
X3     10.    0.0   0.0     0.    0.0    0.     0.0  2328.4 2330.7        555
GR 2342.5   100.  2334.2   117.  2331.2  144.  2332.2   160.  2331.6  170.  560
GR 2328.3   177.  2327.6   227.  2324.5  234.  2322.7   239.  2322.0  245.  565
GR 2321.3   253.  2321.3   258.  2321.6  261.  2322.1   262.  2327.5  275.  570
GR 2337.5   300.  2342.3   316.   0.0     0.     0.0     0.     0.0    0.   575
SB   1.25    1.60  3.00     0.   28.00  0.60  200.00   0.0   2321.3 2321.3 580
ET    0.     0.0   0.0     0.0   0.0    7.11  175.00  275.00  0.0    0.0  585
-------------------------------------------------------------------------------
X1   3.76     0.    0.      0.   16.    16.    16.     0.0    0.0    0.   590
X2     0.    0.0    1.   2328.6 2328.9  0.0     0.     0.0    0.0    0.   595
X3     10.   0.0   0.0     0.    0.0    0.     0.0  2328.9 2331.2        600
BT   13.0   100.0 2342.5   0.0  117.0  2334.2   0.0  144.0  2331.2   0.0  605
BT  160.0  2332.2   0.0   170.0 2331.6    0.0  176.0 2328.9    0.0  229.0 610
BT 2330.5     0.0 230.0  2331.7   0.0  263.0  2332.5    0.0  263.0 2331.2 615
```

```
BT  160.0  2332.6    0.0
BT 2330.5     0.0  230.0  2331.7    0.0  263.0  2352.5    0.0  280.0  2351.2
```

DD1

```
BT    0.0  286.0 2331.7    0.0  300.0 2337.5    0.0  316.0 2342.3    0.0  620
ET     0.    0.0    0.0    0.0    0.0   7.11 175.00 275.00    0.0    0.0  625

X1    3.76   17.  227.   275.   15.   15.   15.   0.0   0.0    0.   630
GR 2342.5   100. 2334.2  117. 2331.2  144. 2332.2  160. 2331.6  170.  635
GR 2328.3   177. 2327.6  227. 2324.5  234. 2322.7  239. 2322.0  245.  640
GR 2321.3   253. 2321.3  258. 2321.6  261. 2322.1  262. 2327.5  275.  645
GR 2337.5   300. 2342.3  316.   0.0    0.   0.0    0.   0.0    0.    650
QT     5.  2090.  3685.  4555.  7155.  4555.    0.    0.    0.    0.   655
NC 0.070 0.090 0.045   0.0    0.0                                     660
ET     0.    0.0    0.0    0.0    0.0   7.11 170.00 270.00    0.0    0.0  665

X1    3.94   15.  200.   245.   910.  910.  910.   0.0   0.0    0.   670
GR 2349.5   100. 2335.8  120. 2336.9  129. 2336.1  146. 2336.3  155.  675
GR 2332.0   167. 2331.1  200. 2326.3  217. 2323.8  225. 2323.8  227.  680
GR 2326.3   234. 2330.3  245. 2334.2  290. 2341.5  320. 2346.3  335.  685
ET     0.    0.0    0.0    0.0    0.0   7.11 170.00 270.00    0.0    0.0  690

X1    3.94   15.  200.   245.   60.   60.   60.   0.0   0.0    0.   695
X3     10.    0.0    0.0    0.    0.0   0.    0.0 2333.4 2333.0          700
GR 2349.5   100. 2335.8  120. 2336.9  129. 2336.1  146. 2336.3  155.  705
GR 2332.0   167. 2331.1  200. 2326.3  217. 2323.8  225. 2323.8  227.  710
GR 2326.3   234. 2330.3  245. 2334.2  290. 2341.5  320. 2346.3  335.  715
SB    1.25   1.60   3.00    0.   17.00  0.90 145.00   0.0 2323.8 2323.8  720
ET     0.    0.0    0.0    0.0    0.0   7.11 170.00 270.00    0.0    0.0  725

X1    3.94    0.    0.     0.    13.   13.   13.   0.0   0.0    0.   730
X2     0.    0.0    1.  2332.8 2333.5  0.0   0.    0.0   0.0    0.   735
X3     10.   0.0    0.0    0.    0.0   0.    0.0 2333.9 2333.5          740
BT    14.0 100.0 2349.5    0.0  120.0 2335.8    0.0  129.0 2336.9    0.0  745
BT   146.0 2336.1    0.0  155.0 2336.3    0.0  157.0 2335.5    0.0  215.0  750
BT  2333.9    0.0  215.0 2334.5    0.0  237.0 2334.0    0.0  237.0 2333.5  755
BT     0.0  252.0 2333.5    0.0  290.0 2334.2    0.0  320.0 2341.5    0.0  760
BT   335.0 2346.3    0.0    0.0    0.0   0.0    0.0    0.0   0.0    0.0  765
NC 0.100 0.100 0.045   0.0    0.0                                     770
ET     0.    0.0    0.0    0.0    0.0   7.11 170.00 270.00    0.0    0.0  775

X1    3.94   15.  200.   245.   15.   15.   15.   0.0   0.0    0.   780
GR 2349.5   100. 2335.8  120. 2336.9  129. 2336.1  146. 2336.3  155.  785
GR 2332.0   167. 2331.1  200. 2326.3  217. 2325.7  225. 2325.7  227.  790
GR 2326.3   234. 2330.3  245. 2334.2  290. 2341.5  320. 2346.3  335.  795
NC 0.150 0.150 0.055   0.0    0.0                                     800
ET     0.    0.0    0.0    0.0    0.0   7.11 170.00 270.00    0.0    0.0  805

X1    3.96    0.    0.     0.   100.  100.  100.   0.0   0.0    0.   810
QT     5.  2065.  3645.  4500.  7070.  4500.    0.    0.    0.    0.   815
NC 0.120 0.120 0.055   0.0    0.8                                     820
ET     0.    0.0    0.0    0.0    0.0   7.11 130.00 210.00    0.0    0.0  825

X1    4.00   14.  157.   195.   180.  180.  180.   0.0   0.0    0.   830
GR 2355.0   100. 2346.8  104. 2340.5  115. 2341.0  128. 2341.6  140.  835
GR 2341.0   147. 2337.0  157. 2331.7  173. 2329.3  181. 2329.3  183.  840
GR 2332.7   189. 2338.0  195. 2345.5  237. 2351.4  251.   0.0    0.   845
```

EOI

```
GR 2355.0    100.  2346.8    [illegible]  [illegible]    173.  2329.3    181.  2329.3    183.      845
GR 2341.0    147.  2337.0    157.  2331.7    173.  2329.3    181.  2329.3    183.
GR 2332.7    189.  2338.0    195.  2345.5    237.  2351.4    251.    0.0       0.
```

EDT

```
NC  0.0      0.0     0.0      0.0     0.5                                                    850
ET    0.     0.0     0.0      0.0     0.0     7.11  130.00  210.00   0.0      0.0          855

X1  4.00     14.     157.     195.    40.     40.     40.     0.0      0.0      0.           860
GR 2355.0    100.  2346.8    104.  2340.5    115.  2341.0    128.  2341.6    140.          865
GR 2341.0    147.  2337.0    157.  2331.7    173.  2329.3    181.  2329.3    183.          870
GR 2332.7    189.  2338.0    195.  2345.5    237.  2351.4    251.    0.0       0.          875
SB  1.25     1.60    3.00     0.     16.00   0.50  177.00    0.0   2329.3   2329.3         880
ET    0.     0.0     0.0      0.0     0.0     7.11  130.00  210.00   0.0      0.0          885

X1  4.00      0.      0.       0.     15.     15.     15.     0.0      0.0      0.           890
X2    0.     0.0      1.    2340.7  2340.5   0.0      0.     0.0      0.0      0.           895
BT  10.0     100.0  2355.0     0.0   104.0  2346.8     0.0   115.0  2340.5     0.0          900
BT  132.0   2341.7     0.0   167.0  2341.4     0.0   167.0  2341.6     0.0   188.0         905
BT 2342.5      0.0   190.0  2342.2     0.0   242.0  2347.2     0.0   251.0  2351.4         910
BT    0.0      0.0     0.0      0.0     0.0     0.0     0.0     0.0      0.0      0.0          915
NC  0.080    0.100   0.040      0.0     0.0                                                    920
ET    0.     0.0     0.0      0.0     0.0     7.11  130.00  210.00   0.0      0.0          925

X1  4.00     14.     157.     195.    10.     10.     10.     0.0      0.0      0.           930
GR 2355.0    100.  2346.8    104.  2340.5    115.  2341.0    128.  2341.6    140.          935
GR 2341.0    147.  2337.0    157.  2331.7    173.  2331.2    181.  2331.2    183.          940
GR 2332.7    189.  2338.0    195.  2345.5    237.  2351.4    251.    0.0       0.          945
QT    5.     1965.   3460.    4270.   6695.   4270.     0.      0.       0.       0.           950
NC  0.080    0.100   0.050      0.0     0.8                                                    955
ET    0.     0.0     0.0      0.0     0.0     7.11  200.00  280.00   0.0      0.0          960

X1  4.25     14.     243.     278.    1265.   1265.   1265.     0.0     -2.30     0.           965
GR 2362.7    100.  2356.8    116.  2357.5    120.  2357.5    137.  2350.2    157.          970
GR 2346.7    243.  2342.5    250.  2342.3    252.  2342.4    260.  2342.5    264.          975
GR 2349.5    278.  2350.8    300.  2360.5    320.  2362.5    329.    0.0       0.          980
NC  0.0      0.0     0.040    0.0     0.5                                                    985
ET    0.     0.0     0.0      0.0     0.0     7.11  200.00  280.00   0.0      0.0          990

X1  4.26     14.     243.     278.    60.     60.     60.     0.0      0.0      0.           995
X3   10.     0.0     0.0      0.     0.0     0.      0.0   2349.4   2349.5                 1000
GR 2362.7    100.  2356.8    116.  2357.5    120.  2357.5    137.  2350.2    157.         1005
GR 2346.7    243.  2342.5    250.  2342.3    252.  2342.4    260.  2342.5    264.         1010
GR 2349.5    278.  2350.8    300.  2360.5    320.  2362.5    329.    0.0       0.         1015
SB  1.25     1.60    3.00     0.     10.00   0.01   57.00    0.0   2342.3   2342.3        1020
ET    0.     0.0     0.0      0.0     0.0     7.11  200.00  280.00   0.0      0.0         1025

X1  4.26      0.      0.       0.     17.     17.     17.     0.0      0.0      0.          1030
X2    0.     0.0      1.    2348.0  2349.9   0.0      0.     0.0      0.0      0.          1035
X3   10.     0.0     0.0      0.     0.0     0.      0.0   2349.9   2350.0               1040
BT  12.0     100.0  2362.7     0.0   116.0  2356.8     0.0   120.0  2357.5     0.0         1045
BT  137.0   2357.5     0.0   144.0  2356.0     0.0   199.0  2351.0     0.0   248.0        1050
BT 2349.9      0.0   262.0  2350.2     0.0   263.0  2350.0     0.0   304.0  2353.1        1055
BT    0.0    320.0  2360.5     0.0   329.0  2362.5     0.0     0.0      0.0      0.0         1060
NC  0.090    0.150   0.045      0.0     0.0                                                  1065
ET    0.     0.0     0.0      0.0     0.0     7.11  200.00  280.00   0.0      0.0         1070

X1  4.26     14.     243.     278.    15.     15.     15.     0.0      0.0      0.          1075
```

```
X1   4.26     14.    243.    278.     15.     15.     15.    0.0     0.0       D.   1075
```

FD1

```
GR 2362.7    100.  2356.8    116.  2357.5    120.  2357.5    137.  2350.2    157.   1080
GR 2346.7    243.  2342.5    250.  2342.3    252.  2342.4    260.  2342.5    264.   1085
GR 2349.5    278.  2350.8    300.  2360.5    320.  2362.5    329.    0.0       0.   1090
QT      5.   1865.    3275.  4040.    6330.  4040.      0.      0.      0.      0.   1095
NC  0.090  0.090   0.045     0.0     0.0                                            1100
ET      0.    0.0     0.0     0.0     0.0    7.11   60.00  115.00     0.0     0.0   1105

X1   4.53     9.      63.    115.    1450.  1450.    1450.    0.0     0.0       0.   1110
GR 2391.5     0.  2369.5     32.  2362.5     63.  2357.0     76.  2356.4     86.   1115
GR 2355.0    88.  2356.4    104.  2362.8    115.  2378.5    143.    0.0       0.   1120
EJ                                                                               1125
```

G01

*PROF 1

CCHV= 0.100 CEHV= 0.500
*SECNO 2.860
2096 WSEL NOT GIVEN,AVG OF MAX,MIN USED

JACKS CREEK 100 YR FLOOD 02/28/81

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
2.86	5855.	38.	5780.	37.	2.16	0	95.	
2298.10	0.0	16.	487.	21.	0.50	0	2295.00	
8.90	0.0	2.40	11.86	1.75	0.0	2300.26	2295.20	
0.012424	0.0	0.090	0.050	0.120	0.0	-0.00	154.67	
	2289.20	0.	0.	0.	45.	49.	249.50	0.
*SECNO 3.080								
3.08	5580.	189.	4712.	679.	2.26	4	138.	
2310.75	0.0	69.	360.	234.	0.11	0	2305.50	
10.65	0.0	2.74	13.08	2.90	12.71	2313.02	2304.80	
0.008929	0.045	0.130	0.045	0.100	0.05	-0.00	148.14	
	2300.10	1210.	1210.	1210.	39.	99.	285.76	16.

*SECNO 3.080

**** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

3.08	5580.	220.	4537.	823.	1.65	3	152.	
2311.71	0.0	88.	399.	316.	-0.61	0	2305.50	
11.61	0.0	2.49	11.38	2.60	0.29	2313.37	2304.80	
0.005903	0.045	0.130	0.045	0.100	0.06	-0.00	146.29	
	2300.10	40.	40.	40.	41.	111.	298.50	17.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	21.00	0.02	128.00	0.0
ELCHU	ELCHD							
2300.10	2300.10							

*SECNO 3.080

**** GR CARDS REPEATED
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2358.93	2313.37	0.01	4550.	1069.	128.	128.	2306.20

ELTRD
2306.30

ELTRD
2306.30

HD1

3.08	5580.	225.	4505.	850.	1.56	3	155.	
2311.88	0.0	92.	406.	333.	-0.09	0	2305.50	
11.78	0.0	2.45	11.10	2.55	0.08	2313.44	2304.80	
0.005483	0.045	0.130	0.045	0.100	0.0	-0.00	145.94	
	2300.10	12.	12.	12.	41.	114.	300.88	17.

*SECNO 3.080
JACKS CREEK 100 YR FLOOD 02/28/81

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
3.08	5580.	227.	4489.	864.	1.52	2	156.	
2311.98	0.0	94.	410.	342.	-0.04	0	2305.50	
11.88	0.0	2.42	10.96	2.53	0.05	2313.50	2304.80	
0.005279	0.045	0.130	0.045	0.100	0.00	-0.00	145.76	
	2300.10	10.	10.	10.	41.	115.	302.13	18.

CCHV= 0.100 CEHV= 0.800
*SECNO 3.280

3.28	5330.	1209.	4072.	48.	1.03	2	138.	
2317.02	0.0	391.	445.	33.	-0.49	0	2310.70	
11.62	0.0	3.09	9.15	1.45	4.50	2318.05	2311.30	
0.003923	0.045	0.090	0.045	0.120	0.05	-0.00	154.41	
	2305.40	990.	990.	990.	104.	35.	292.62	37.

CCHV= 0.100 CEHV= 0.500
*SECNO 3.280

**** GR CARDS REPEATED

3.28	5330.	1240.	4039.	51.	0.96	2	140.	
2317.24	0.0	410.	455.	36.	-0.07	0	2310.70	
11.84	0.0	3.03	8.87	1.42	0.15	2318.20	2311.30	
0.003574	0.045	0.090	0.045	0.120	0.01	-0.00	153.28	
	2305.40	40.	40.	40.	105.	35.	293.07	38.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	30.00	0.10	230.00	0.0
ELCHU	ELCHD							
2305.30	2305.30							

*SECNO 3.280

**** GR CARDS REPEATED
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2330.59	2318.21	0.01	3650.	1689.	230.	230.	2313.00

ELTRD

2330.59 2318.21 0.01

ELTRD

101

2313.10

3.28	5330.	1308.	3964.	59.	0.82	3	184.	
2317.76	0.0	459.	479.	46.	-0.14	0	2310.70	
12.36	0.0	2.85	8.27	1.29	0.38	2318.58	2311.30	
0.002902	0.045	0.090	0.045	0.120	0.0	-0.00	126.37	
	2305.40	12.	12.	12.	132.	53.	310.86	38.

*SECNO 3.280

*** GR CARDS REPEATED

3.28	5330.	1208.	4067.	56.	0.88	2	184.	
2317.76	0.0	460.	479.	46.	0.06	0	2310.70	
12.37	0.0	2.63	8.48	1.22	0.03	2318.64	2311.30	
0.003055	0.045	0.100	0.045	0.130	0.03	-0.00	126.36	
	2305.40	10.	10.	10.	132.	53.	310.86	38.

*SECNO 3.500

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

JACKS CREEK 100 YR FLOOD 02/28/81

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
3.50	5055.	902.	4123.	31.	1.42	2	132.	
2322.27	0.0	302.	392.	21.	0.55	0	2317.10	
10.47	0.0	2.98	10.51	1.44	4.78	2323.70	2317.70	
0.006120	0.045	0.100	0.045	0.130	0.27	-0.00	158.72	
	2311.80	1150.	1150.	1150.	99.	32.	290.29	61.

CCHV= 0.100 CEHV= 0.800
*SECNO 3.700

3301 HV CHANGED MORE THAN HVINS

3.70	4805.	1206.	3502.	97.	0.89	3	283.	
2328.12	0.0	608.	398.	66.	-0.53	0	2323.70	
10.42	0.0	1.99	8.79	1.46	5.26	2329.01	2323.50	
0.004454	0.045	0.110	0.045	0.150	0.05	-0.00	154.63	
	2317.70	1010.	1010.	1010.	236.	47.	437.61	82.

CCHV= 0.100 CEHV= 0.500
*SECNO 3.700

*** GR CARDS REPEATED

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 2326.50 ELREA= 2330.00

3.70	4805.	1387.	3418.	0.	0.73	2	262.

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE

3.70	4805.	1387.	3418.	0.	0.73	2	262.

JD1

2328.68	0.0	728.	425.	0.	-0.16	0	2323.70	
10.98	0.0	1.90	8.03	0.0	0.39	2329.41	2323.50	
0.003405	0.045	0.110	0.045	0.150	0.02	-0.00	152.86	
	2317.70	100.	100.	100.	238.	24.	415.00	84.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	25.00	0.70	370.00	1.60

ELCHU	ELCHD
2318.60	2318.60

*SECNO 3.700

*** GR CARDS REPEATED
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2332.87	2330.69	0.04	1276.	3521.	370.	370.	2328.00

ELTRD
2328.90

3.70	4805.	1742.	2926.	136.	0.31	2	299.	
2330.62	0.0	1149.	518.	133.	-0.41	0	2323.70	
12.92	0.0	1.52	5.65	1.03	1.52	2330.93	2323.50	
0.001292	0.045	0.110	0.045	0.150	0.0	-0.00	146.81	
	2317.70	21.	21.	21.	244.	55.	446.07	85.

*SECNO 3.700

*** GR CARDS REPEATED

3.70	4805.	2105.	2519.	180.	0.21	2	301.	
2330.76	0.0	1180.	525.	137.	-0.10	0	2323.70	
13.06	0.0	1.78	4.80	1.31	0.03	2330.97	2323.50	
0.000917	0.045	0.080	0.045	0.100	0.01	-0.00	146.37	
	2317.70	25.	25.	25.	245.	56.	447.33	86.

CCHV= 0.100 CEHV= 0.800
*SECNO 3.730

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

JACKS CREEK 100 YR FLOOD 02/28/81

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
3.73	4770.	1059.	3595.	117.	1.00	2	281.
2330.77	0.0	577.	391.	63.	0.79	0	2326.50
10.27	0.0	1.84	9.19	1.85	0.17	2331.77	2326.30

3.73	4730.	[illegible]	[illegible]	63.	0.17	[illegible]	[illegible]
2330.77	0.0	577.	391.				
10.27	0.0	1.84	9.19	1.85	0.17	2331.77	2326.30

KO1

0.007433	0.045	0.150	0.055	0.150	0.63	-0.00	155.85	
	2320.50	85.	85.	85.	235.	46.	437.16	89.

CCHV= 0.100 CEHV= 0.800
*SECNO 3.760

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3.76	4730.	612.	4082.	35.	1.53	2	119.	
2331.40	0.0	183.	385.	19.	1.53	0	2327.60	
10.10	0.0	3.34	10.61	1.86	1.74	2332.93	2327.50	
0.010228	0.045	0.100	0.055	0.120	1.43	-0.00	142.17	
	2321.30	85.	85.	85.	109.	34.	284.76	90.

CCHV= 0.100 CEHV= 0.500
*SECNO 3.760

3.76	4730.	766.	3913.	51.	1.08	2	154.	
2332.38	0.0	262.	432.	30.	-0.46	0	2327.60	
11.08	0.0	2.93	9.05	1.71	0.48	2333.46	2327.50	
0.006373	0.045	0.100	0.055	0.120	0.05	-0.00	133.27	
	2321.30	60.	60.	60.	118.	36.	287.23	91.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	28.00	0.60	200.00	0.0
	ELCHU	ELCHD						
	2321.30	2321.30						

*SECNO 3.760

**** GR CARDS REPEATED
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2346.28	2333.55	0.09	2941.	1800.	200.	200.	2328.60

ELTRD
2328.90

3.76	4730.	976.	3681.	73.	0.69	2	169.	
2333.71	0.0	394.	496.	48.	-0.39	0	2327.60	
12.41	0.0	2.48	7.43	1.50	0.94	2334.40	2327.50	
0.003570	0.045	0.100	0.055	0.120	0.0	-0.00	121.34	
	2321.30	16.	16.	16.	130.	40.	290.54	91.

*SECNO 3.760

3.76	4730.	986.	3671.	74.	0.67	0	170.
2333.78	0.0	401.	499.	49.	-0.01	0	2327.60
12.48	0.0	2.46	7.36	1.49	0.05	2334.45	2327.50
0.003475	0.045	0.100	0.055	0.120	0.00	-0.00	120.75

2333.10	0.0						
12.48	0.0	2.46	7.56	1.47	0.00	-0.00	120.75
0.003475	0.045	0.100	0.055	0.120			

LD1

2321.30 15. 15. 15. 130. 40. 290.71 92.

*SECNO 3.940

3265 DIVIDED FLOW

JACKS CREEK 100 YR FLOOD 02/28/81

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
3.94	4555.	662.	3391.	502.	0.76	2	175.	
2336.69	0.0	212.	428.	212.	0.08	0	2331.10	
12.89	0.0	3.12	7.91	2.36	2.95	2337.44	2330.30	
0.003031	0.045	0.070	0.045	0.090	0.04	-0.00	118.70	
	2323.80	910.	910.	910.	104.	78.	300.23	111.
*SECNO 3.940								
3.94	4555.	688.	3345.	522.	0.69	2	183.	
2336.93	0.0	231.	439.	226.	-0.06	0	2331.10	
13.13	0.0	2.98	7.61	2.31	0.17	2337.62	2330.30	
0.002711	0.045	0.070	0.045	0.090	0.01	-0.00	118.35	
	2323.80	60.	60.	60.	104.	79.	301.23	112.

SPECIAL BRIDGE

5227 DOWNSTREAM ELEV IS 2334.70 NOT 2336.93
HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	17.00	0.90	145.00	0.0

ELCHU	ELCHD
2323.80	2323.80

*SECNO 3.940

**** GR CARDS REPEATED
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2361.45	2341.45	0.0	3489.	1069.	145.	145.	2332.80

ELTRD
2333.50

3.94	4555.	787.	3188.	580.	0.51	2	188.	
2337.77	0.0	300.	477.	275.	-0.18	0	2331.10	
13.97	0.0	2.62	6.68	2.11	0.66	2338.28	2330.30	
0.001870	0.045	0.070	0.045	0.090	0.0	-0.00	117.12	
	2323.80	13.	13.	13.	105.	82.	304.69	112.

*SECNO 3.940

3.94	4555.	609.	3368.	578.	0.64	2	187.	
2337.74	0.0	297.	458.	273.	0.13	0	2331.10	
12.04	0.0	2.05	7.36	2.12	0.03	2338.38	2330.30	
0.002350	0.045	0.100	0.045	0.100	0.06	-0.00	117.17	
	2325.70	15.	15.	15.	105.	82.	304.53	112.

*SECNO 3.960

**** GR CARDS REPEATED

3.96	4555.	543.	3501.	511.	0.67	2	189.	
2338.00	0.0	319.	470.	289.	0.04	0	2331.10	
12.30	0.0	1.70	7.46	1.77	0.28	2338.68	2330.30	
0.003482	0.045	0.150	0.055	0.150	0.02	-0.00	116.79	
	2325.70	100.	100.	100.	106.	83.	305.62	115.

CCHV= 0.100 CEHV= 0.800
*SECNO 4.000

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

JACKS CREEK			100 YR FLOOD		02/28/81			
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

4.00	4500.	45.	4411.	44.	3.41	2	67.	
2340.66	2340.66	17.	295.	20.	2.73	8	2337.00	
11.36	0.0	2.62	14.96	2.24	1.29	2344.07	2338.00	
0.022888	0.046	0.120	0.055	0.120	2.19	-0.00	114.72	
	2329.30	180.	180.	180.	61.	34.	209.90	118.

CCHV= 0.100 CEHV= 0.500
*SECNO 4.000

3301 HV CHANGED MORE THAN HVINS

4.00	4500.	241.	4107.	153.	1.58	4	114.	
2343.17	0.0	115.	390.	75.	-1.83	0	2337.00	
13.87	0.0	2.10	10.53	2.04	0.50	2344.75	2338.00	
0.007800	0.046	0.120	0.055	0.120	0.18	-0.00	110.34	
	2329.30	40.	0.	40.	66.	48.	223.94	118.

SPECIAL BRIDGE

5227 DOWNSTREAM ELEV IS 2341.07 NOT 2343.17
HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS

```
   1.25      1.60      3.00       0.0      16.00      0.50     177.00       0.0
  ELCHU     ELCHD
2329.30   2329.30

*SECNO 4.000

**** GR CARDS REPEATED
 PRESS FLOW BECAUSE EGLWC OF   2347.36  EXCEEDS 1.5 DEPTH

3301 HV CHANGED MORE THAN HVINS

PRESSURE AND WEIR FLOW

    EGPRS     EGLWC        H3     QWEIR       QPR     BAREA     TAREA      ELLC
  2359.23   2347.36       0.0      2592.     1924.      177.      177.  2340.70

    ELTRD
  2340.50

     4.00      4500.      431.     3813.      255.      0.88         3      129.
  2345.23       0.0      215.      468.      146.     -0.70         0   2337.00
    15.93       0.0      2.01      8.14      1.75      1.36   2346.11   2338.00
 0.003656     0.046     0.120     0.055     0.120       0.0     -0.00    106.74
             2329.30       15.       15.       15.       69.       59.    235.48      118.

*SECNO 4.000
     4.00      4500.      488.     3780.      231.      0.93         2      129.
  2345.23       0.0      215.      451.      147.      0.04         0   2337.00
    14.03       0.0      2.27      8.37      1.58      0.03   2346.16   2338.00
 0.002078     0.046     0.080     0.040     0.100      0.02     -0.00    106.74
             2331.20       10.       10.       10.       69.       60.    235.50      119.

CCHV=   0.100 CEHV=   0.800
*SECNO 4.250
     4.25      4270.      1315.    2858.       97.      1.20         2      151.
  2349.83       0.0       322.     275.       45.      0.28         0   2344.40
     9.83       0.0       4.08    10.39      2.13      4.66   2351.04   2347.20
 0.008675     0.046     0.080     0.050     0.100      0.22     -0.00    151.71
             2340.00      1265.     1265.     1265.      109.       42.    302.75      140.

CCHV=   0.100 CEHV=   0.500
*SECNO 4.260

3301 HV CHANGED MORE THAN HVINS

  JACKS CREEK                    100 YR FLOOD          02/28/81
  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
     4.26      4270.      1002.    3214.       54.      1.92        20      148.
```

4.26 4270. 1006. 3214.

B02

2351.54	2351.54	268.	254.	31.	0.72	12	2346.70
9.24	0.0	3.74	12.64	1.75	0.53	2353.46	2349.50
0.009131	0.046	0.080	0.040	0.100	0.36	-0.00	153.34
	2342.30	60.	60.	60.	107.	41.	301.52 141.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	10.00	0.01	57.00	0.0
	ELCHU	ELCHD						
	2342.30	2342.30						

*SECNO 4.260

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2490.96	2353.47	0.01	3582.	711.	57.	57.	2348.00
ELTRD							
2349.90							

4.26	4270.	1494.	2581.	195.	0.49	2	164.
2354.91	0.0	586.	372.	122.	-1.43	0	2346.70
12.61	0.0	2.55	6.93	1.59	1.94	2355.40	2349.50
0.001650	0.046	0.080	0.040	0.100	0.0	-0.00	144.09
	2342.30	17.	17.	17.	116.	48.	308.48 141.

*SECNO 4.260

4.26	4270.	1513.	2609.	148.	0.50	2	164.
2354.93	0.0	588.	373.	123.	0.01	0	2346.70
12.63	0.0	2.57	6.99	1.21	0.03	2355.43	2349.50
0.002122	0.046	0.090	0.045	0.150	0.01	-0.00	144.04
	2342.30	15.	15.	15.	116.	48.	308.52 141.

*SECNO 4.530

3301 HV CHANGED MORE THAN HVINS

JACKS CREEK 100 YR FLOOD 02/28/81

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

4.53	4040.	3.	4037.	0.	2.86	20	57.
2363.45	2363.45	2.	298.	0.	2.35	14	2362.50

C02

2363.45 2303.45

CO2

8.45	D.D	1.33	13.57	D.96	6.63	2366.31	2362.8D	
D.D17921	D.046	D.D9D	D.045	D.D9D	1.18	-D.DD	58.78	
	2355.DD	145D.	145D.	145D.	3D.	27.	116.16	164.

D02

THIS RUN EXECUTED 02/28/81 11:55:39

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

T1      YANCEY CO NC FEMA STUDY                                        1130
T2      100 YR FLOODWAY                                                1135
T3      JACKS CREEK                                                    1140

J1  ICHECK     INQ    NINV    IDIR    STRT  METRIC   HVINS     Q      WSEL     FQ

        0.      6.      0.      0. 0.0          0.     0.0      0. 2299.10    0.0    1145

J2  NPROF   IPLOT   PRFVS   XSECV   XSECH      FN   ALLDC     IBW  CHNIM ITRACE

       15.      0.     -1.      0.      0.   0.0      0.0      0.      0.      0.    1150
```

```
*PROF 2

CCHV=  0.100 CEHV=  0.500
*SECNO 2.860
    JACKS CREEK                    100 YR FLOODWAY      02/28/81
   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=      165.0     235.0 TYPE=      1 TARGET=       70.000
      2.86      5855.         0.       5855.         0.        1.71          0          70.
   2299.10       0.0          0.        557.         0.        0.50          0        2295.00
      9.90   2298.10          0.0      10.51         0.0       0.0        2300.81     100000.00
 0.009379       0.0          0.090     0.050        0.120      0.0          -0.00       165.00
              2289.20          0.        0.           0.       35.           35.       235.00          0.

*SECNO 3.080

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=      165.0     255.0 TYPE=      1 TARGET=       90.000
      3.08      5580.        15.       4877.       688.        2.63          2          90.
   2310.54       0.0         10.        352.       189.        0.92          0        2305.50
     10.44    2310.75         1.48     13.86        3.65      11.90       2313.17     2304.80
 0.010345       0.045        0.130     0.045        0.100      0.46         -0.00       165.00
              2300.10       1210.     1210.        1210.      22.           68.       255.00         15.

*SECNO 3.080

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=      165.0     255.0 TYPE=      1 TARGET=       90.000
      3.08      5580.        15.       4748.       817.        1.93          3          90.
   2311.64       0.0         12.        396.       241.       -0.70          0        2305.50
     11.54    2311.71         1.23     12.00        3.39       0.33       2313.57     2304.80
0.0066642       0.045        0.130     0.045        0.100      0.07         -0.00       165.00
              2300.10         40.       40.          40.       22.           68.       255.00         16.

SPECIAL BRIDGE

SB     HK         XKOR       COFQ       RDLEN      BWC        BWP        BAREA      SS
       1.25       1.60       3.00       0.0        21.00      0.02       128.00     0.0
    ELCHU      ELCHD
  2300.10    2300.10

*SECNO 3.080
      3700.   BRIDGE STENCL=     165.00    STENCR=     255.00
```

3700. BRIDGE STENGE-

F02

*** GR CARDS REPEATED
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2358.85	2313.58	0.01	4279.	1303.	128.	128.	2306.20

ELTRD
2306.30

3470 ENCROACHMENT STATIONS= 165.0 255.0 TYPE= 1 TARGET= 90.000

3.08	5580.	15.	4643.	922.	1.46	3	90.
2312.75	0.0	14.	441.	295.	-0.47	0	2305.50
12.65	2311.88	1.03	10.54	3.13	0.64	2314.21	2304.80
0.004435	0.045	0.130	0.045	0.100	0.0	-0.00	165.00
	2300.10	12.	12.	12.	22.	68.	255.00 16.

*SECNO 3.080
JACKS CREEK 100 YR FLOODWAY 02/28/81

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= 165.0 255.0 TYPE= 1 TARGET= 90.000

3.08	5580.	15.	4639.	926.	1.44	0	90.
2312.81	0.0	14.	443.	297.	-0.02	0	2305.50
12.71	2311.98	1.02	10.48	3.12	0.04	2314.26	2304.80
0.004358	0.045	0.130	0.045	0.100	0.00	-0.00	165.00
	2300.10	10.	10.	10.	22.	68.	255.00 16.

CCHV= 0.100 CEHV= 0.800
*SECNO 3.280

3470 ENCROACHMENT STATIONS= 195.0 285.0 TYPE= 1 TARGET= 90.000

3.28	5330.	805.	4496.	29.	1.29	2	90.
2317.29	0.0	242.	458.	20.	-0.15	0	2310.70
11.89	2317.02	3.32	9.82	1.45	4.31	2318.58	2311.30
0.004354	0.045	0.090	0.045	0.120	0.02	-0.00	195.00
	2305.40	990.	990.	990.	63.	27.	285.00 33.

CCHV= 0.100 CEHV= 0.500
*SECNO 3.280

*** GR CARDS REPEATED

3470 ENCROACHMENT STATIONS= 195.0 285.0 TYPE= 1 TARGET= 90.000

3.28	5330.	820.	4480.	30.	1.22	2	90.
2317.54	0.0	252.	469.	21.	-0.07	0	2310.70
12.14	2317.24	3.25	9.55	1.40	0.17	2318.76	2311.30
0.003984	0.045	0.090	0.045	0.120	0.01	-0.00	195.00
	2305.40	40.	40.	40.	63.	27.	285.00 34.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	30.00	0.10	230.00	0.0

ELCHU	ELCHD
2305.30	2305.30

*SECNO 3.280
3700. BRIDGE STENCL= 195.00 STENCR= 285.00

*** GR CARDS REPEATED
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2330.88	2318.77	0.02	3204.	2138.	230.	230.	2313.00

ELTRD
2313.10

3470 ENCROACHMENT STATIONS=			195.0	285.0	TYPE=	1	TARGET=	90.000
3.28	5330.	883.	4416.	31.	0.93	3	90.	
2318.76	0.0	301.	525.	26.	-0.28	0	2310.70	
13.36	2317.76	2.94	8.41	1.21	0.93	2319.69	2311.30	
0.002658	0.045	0.090	0.045	0.120	0.0	-0.00	195.00	
	2305.40	12.	12.	12.	63.	27.	285.00	34.

*SECNO 3.280

*** GR CARDS REPEATED

3470 ENCROACHMENT STATIONS=			195.0	285.0	TYPE=	1	TARGET=	90.000
3.28	5330.	809.	4492.	29.	0.97	2	90.	
2318.76	0.0	301.	525.	26.	0.04	0	2310.70	
13.36	2317.76	2.69	8.55	1.13	0.03	2319.74	2311.30	
0.002746	0.045	0.100	0.045	0.130	0.02	-0.00	195.00	
	2305.40	10.	10.	10.	63.	27.	285.00	34.

*SECNO 3.500

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

JACKS CREEK 100 YR FLOODWAY 02/28/81

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=			195.0	285.0	TYPE=	1	TARGET=	90.000
3.50	5055.	644.	4387.	24.	1.50	2	90.	
2322.83	0.0	208.	418.	17.	0.53	0	2317.10	
11.03	2322.27	3.10	10.49	1.44	4.33	2324.33	2317.70	

2322.83
11.03 2322.27 3.10 10.49 1.44 4.55

HO2

0.005612 0.045 0.100 0.045 0.130 0.26 -0.00 195.00
2311.80 1150. 1150. 1150. 63. 27. 285.00 54.

CCHV= 0.100 CEHV= 0.800
*SECNO 3.700

3470 ENCROACHMENT STATIONS= 300.0 420.0 TYPE= 1 TARGET= 120.000
3.70 4805. 850. 3925. 30. 1.15 2 120.
2328.48 0.0 327. 416. 24. -0.36 0 2323.70
10.78 2328.12 2.60 9.43 1.27 5.26 2329.63 2323.50
0.004827 0.045 0.110 0.045 0.150 0.04 -0.00 300.00
2317.70 1010. 1010. 1010. 91. 29. 420.00 70.

CCHV= 0.100 CEHV= 0.500
*SECNO 3.700

**** GR CARDS REPEATED

3470 ENCROACHMENT STATIONS= 300.0 420.0 TYPE= 1 TARGET= 120.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 2326.50 ELREA= 2330.00

3.70 4805. 910. 3895. 0. 0.98 2 115.
2329.09 0.0 367. 445. 0. -0.16 0 2323.70
11.39 2328.68 2.48 8.75 0.0 0.43 2330.07 2323.50
0.003807 0.045 0.110 0.045 0.150 0.02 -0.00 300.00
2317.70 100. 100. 100. 91. 24. 415.00 72.

SPECIAL BRIDGE

SB HK XKOR COFQ RDLEN BWC BWP BAREA SS
1.25 1.60 3.00 0.0 25.00 0.70 370.00 1.60
ELCHU ELCHD
2318.60 2318.60

*SECNO 3.700
3700. BRIDGE STENCL= 300.00 STENCR= 420.00

**** GR CARDS REPEATED
PRESSURE AND WEIR FLOW

EGPRS EGLWC H3 QWEIR QPR BAREA TAREA ELLC
2333.28 2330.14 0.07 774. 4016. 370. 370. 2328.00

ELTRD
2328.90

3470 ENCROACHMENT STATIONS= 300.0 420.0 TYPE= 1 TARGET= 120.000
3.70 4805. 1060. 3713. 33. 0.54 2 120.
2331.48 0.0 527. 560. 39. -0.44 0 2323.70
13.78 2330.62 2.01 6.64 0.84 1.94 2332.02 2323.50
0.001612 0.045 0.110 0.045 0.150 0.0 -0.00 300.00
2317.70 21. 21. 21. 91. 29. 420.00 72.

2317.70 21. 21. -.-

*SECNO 3.700

*** GR CARDS REPEATED

3470 ENCROACHMENT STATIONS= 300.0 420.0 TYPE= 1 TARGET= 120.000

3.70	4805.	1351.	3409.	45.	0.43	2	120.	
2331.64	0.0	538.	567.	39.	-0.12	0	2323.70	
13.94	2330.76	2.51	6.01	1.14	0.04	2332.06	2323.50	
0.001298	0.045	0.080	0.045	0.100	0.01	-0.00	300.00	
	2317.70	25.	25.	25.	91.	29.	420.00	73.

CCHV= 0.100 CEHV= 0.800
*SECNO 3.730

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

JACKS CREEK 100 YR FLOODWAY 02/28/81

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= 300.0 420.0 TYPE= 1 TARGET= 120.000

3.73	4770.	806.	3926.	38.	1.05	2	120.	
2331.72	0.0	356.	437.	26.	0.62	0	2326.50	
11.22	2330.77	2.26	8.99	1.47	0.21	2332.77	2326.30	
0.006144	0.045	0.150	0.055	0.150	0.50	-0.00	300.00	
	2320.50	85.	85.	85.	91.	29.	420.00	75.

CCHV= 0.100 CEHV= 0.800
*SECNO 3.760

3470 ENCROACHMENT STATIONS= 175.0 275.0 TYPE= 1 TARGET= 100.000

3.76	4730.	762.	3968.	0.	1.15	2	100.	
2332.28	0.0	224.	427.	0.	0.11	0	2327.60	
10.98	2331.40	3.41	9.29	0.0	0.58	2333.44	100000.00	
0.007707	0.045	0.100	0.055	0.120	0.09	-0.00	175.00	
	2321.30	85.	85.	85.	76.	24.	275.00	76.

CCHV= 0.100 CEHV= 0.500
*SECNO 3.760

3470 ENCROACHMENT STATIONS= 175.0 275.0 TYPE= 1 TARGET= 100.000

3.76	4730.	842.	3888.	0.	0.95	2	100.	
2332.91	0.0	256.	457.	0.	-0.20	0	2327.60	
11.61	2332.38	3.28	8.51	0.0	0.41	2333.86	100000.00	
0.005987	0.045	0.100	0.055	0.120	0.02	-0.00	175.00	
	2321.30	60.	60.	60.	76.	24.	275.00	77.

SPECIAL BRIDGE

SPECIAL BRIDGE

J02

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	28.00	0.60	200.00	0.0
	ELCHU	ELCHD						
	2321.30	2321.30						

*SECNO 3.760

3700. BRIDGE STENCL= 175.00 STENCR= 275.00

*** GR CARDS REPEATED
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2346.80	2333.94	0.08	2816.	1914.	200.	200.	2328.60

ELTRD
2328.90

3470 ENCROACHMENT STATIONS= 175.0 275.0 TYPE= 1 TARGET= 100.000

3.76	4730.	1015.	3715.	0.	0.61	2	100.	
2334.57	0.0	343.	537.	0.	-0.34	0	2327.60	
13.27	2333.71	2.96	6.92	0.0	1.32	2335.19	100000.00	
0.003321	0.045	0.100	0.055	0.120	0.0	-0.00	175.00	
	2321.30	16.	16.	16.	76.	24.	275.00	78.

*SECNO 3.760

3470 ENCROACHMENT STATIONS= 175.0 275.0 TYPE= 1 TARGET= 100.000

3.76	4730.	1020.	3710.	0.	0.60	0	100.	
2334.63	0.0	346.	540.	0.	-0.01	0	2327.60	
13.33	2333.78	2.95	6.87	0.0	0.05	2335.24	100000.00	
0.003253	0.045	0.100	0.055	0.120	0.00	-0.00	175.00	
	2321.30	15.	15.	15.	76.	24.	275.00	78.

*SECNO 3.940
JACKS CREEK 100 YR FLOODWAY 02/28/81

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= 170.0 270.0 TYPE= 1 TARGET= 100.000

3.94	4555.	563.	3617.	375.	0.81	2	100.	
2337.28	0.0	173.	455.	148.	0.20	0	2331.10	
13.48	2336.69	3.25	7.95	2.54	2.76	2338.09	2330.30	
0.002818	0.045	0.070	0.045	0.090	0.10	-0.00	170.00	
	2323.80	910.	910.	910.	53.	47.	270.00	95.

*SECNO 3.940

3470 ENCROACHMENT STATIONS= 170.0 270.0 TYPE= 1 TARGET= 100.000

3.94	4555.	573.	3602.	380.	0.77	2	100.
2337.49	0.0	180.	465.	153.	0.04	0	2331.10

3.94								
2337.49	0.0	180.	465.	755.	0.04			

13.69	2336.93	3.19	7.75	2.49	0.16	2338.26	2330.30	
0.002610	0.045	0.070	0.045	0.090	0.00	-0.00	170.00	
	2323.80	60.	60.	60.	53.	47.	270.00	96.

SPECIAL BRIDGE

5227 DOWNSTREAM ELEV IS 2334.70 NOT 2337.49
HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	17.00	0.90	145.00	0.0

ELCHU	ELCHD
2323.80	2323.80

*SECNO 3.940
3700. BRIDGE STENCL= 170.00 STENCR= 270.00

**** GR CARDS REPEATED
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2362.01	2341.52	0.0	3316.	1241.	145.	145.	2332.80

ELTRD
2333.50

3470 ENCROACHMENT STATIONS= 170.0 270.0 TYPE= 1 TARGET= 100.000

3.94	4555.	621.	3525.	408.	0.57	2	100.	
2338.74	0.0	217.	521.	184.	-0.19	0	2331.10	
14.94	2337.77	2.86	6.77	2.22	1.05	2339.31	2330.30	
0.001709	0.045	0.070	0.045	0.090	0.0	-0.00	170.00	
	2323.80	13.	13.	13.	53.	47.	270.00	97.

*SECNO 3.940

3470 ENCROACHMENT STATIONS= 170.0 270.0 TYPE= 1 TARGET= 100.000

3.94	4555.	475.	3678.	402.	0.69	2	100.	
2338.71	0.0	216.	501.	183.	0.11	0	2331.10	
13.01	2337.74	2.20	7.34	2.19	0.03	2339.40	2330.30	
0.002068	0.045	0.100	0.045	0.100	0.06	-0.00	170.00	
	2325.70	15.	15.	15.	53.	47.	270.00	97.

*SECNO 3.960

**** GR CARDS REPEATED

3470 ENCROACHMENT STATIONS= 170.0 270.0 TYPE= 1 TARGET= 100.000

3.96	4555.	406.	3806.	343.	0.73	2	100.	
2338.94	0.0	223.	512.	189.	0.04	0	2331.10	
13.24	2338.00	1.82	7.44	1.81	0.25	2339.67	2330.30	
0.003087	0.045	0.150	0.055	0.150	0.02	-0.00	170.00	
	2325.70	100.	100.	100.	53.	47.	270.00	99.

CCHV= 0.100 CEHV= 0.800
*SECNO 4.000

3301 HV CHANGED MORE THAN HVINS

JACKS CREEK			100 YR FLOODWAY		02/28/81		
MILE	Q	QLOB	QCH	QROC	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= 130.0 210.0 TYPE= 1 TARGET= 80.000

4.00	4500.	46.	4408.	46.	3.37	2	62.
2340.70	2340.70	17.	296.	20.	2.64	11	2337.00
11.40	2340.66	2.66	14.88	2.26	1.18	2344.07	2338.00
0.022473	0.046	0.120	0.055	0.120	2.11	-0.00	147.75
	2329.30	180.	180.	180.	28.	34.	210.00 102.

CCHV= 0.100 CEHV= 0.500
*SECNO 4.000

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS= 130.0 210.0 TYPE= 1 TARGET= 80.000

4.00	4500.	154.	4211.	135.	1.75	4	80.
2343.00	0.0	68.	384.	55.	-1.61	0	2337.00
13.70	2343.17	2.25	10.97	2.47	0.53	2344.76	2338.00
0.008664	0.046	0.120	0.055	0.120	0.16	-0.00	130.00
	2329.30	40.	40.	40.	46.	34.	210.00 102.

SPECIAL BRIDGE

5227 DOWNSTREAM ELEV IS 2341.07 NOT 2343.00
HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	16.00	0.50	177.00	0.0
	ELCHU	ELCHD						
	2329.30	2329.30						

*SECNO 4.000
3700. BRIDGE STENCL= 130.00 STENCR= 210.00

**** GR CARDS REPEATED
PRESS FLOW BECAUSE EGLWC OF 2347.53 EXCEEDS 1.5 DEPTH

3301 HV CHANGED MORE THAN HVINS

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2359.06	2347.53	0.0	2348.	2152.	177.	177.	2340.70

```
   ELTRD
2340.50

3470 ENCROACHMENT STATIONS=     130.0     210.0  TYPE=      1  TARGET=      80.000
    4.00      4500.      297.      4005.      199.      0.94         3        80.
 2345.74       0.0       142.       488.       96.     -0.82         0   2337.00
   16.44   2345.23      2.08       8.21      2.07      1.92   2346.67   2338.00
0.003525     0.046     0.120      0.055     0.120      0.00     -0.00    130.00
         2329.30        15.        15.        15.       46.        34.    210.00      102.

*SECNO 4.000

3470 ENCROACHMENT STATIONS=     130.0     210.0  TYPE=      1  TARGET=      80.000
    4.00      4500.      336.      3984.      180.      0.99         2        80.
 2345.73       0.0       142.       471.       96.      0.06         0   2337.00
   14.53   2345.23      2.36       8.47      1.88      0.03   2346.73   2338.00
0.002011     0.046     0.080      0.040     0.100      0.03     -0.00    130.00
         2331.20        10.        10.        10.       46.        34.    210.00      103.

CCHV=   0.100 CEHV=   0.800
*SECNO 4.250
3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=     200.0     280.0  TYPE=      1  TARGET=      80.000
    4.25      4270.     1048.      3212.       10.      1.52         2        80.
 2350.26       0.0       214.       290.        6.      0.53         0   2344.40
   10.26   2349.83      4.89      11.08      1.62      4.63   2351.79   2347.20
0.009788     0.046     0.080      0.050     0.100      0.42     -0.00    200.00
         2340.00      1265.      1265.      1265.       61.        19.    280.00      120.

CCHV=   0.100 CEHV=   0.500
*SECNO 4.260
3301 HV CHANGED MORE THAN HVINS

   JACKS CREEK                    100 YR FLOODWAY      02/28/81
  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 2D TRIALS ATTEMPTED WSEL CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=     200.0     280.0  TYPE=      1  TARGET=      80.000
    4.26      4270.      752.      3513.        5.      2.69        20        80.
 2351.27   2351.27       159.       245.        3.      1.16        15   2346.70
    8.97   2351.54      4.73      14.34      1.58      0.64   2353.96   2349.50
0.012346     0.046     0.080      0.040     0.100      0.58     -0.00    200.00
         2342.30        60.        60.        60.       61.        19.    280.00      121.
```

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	10.00	0.01	57.00	0.0

ELCHU	ELCHD
2342.30	2342.30

*SECNO 4.260

3700. BRIDGE STENCL= 200.00 STENCR= 280.00

**** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2490.70	2353.98	0.02	3477.	815.	57.	57.	2348.00

ELTRD
2349.90

3470 ENCROACHMENT STATIONS= 200.0 280.0 TYPE= 1 TARGET= 80.000

4.26	4270.	1052.	3207.	11.	0.81	2	80.
2355.55	0.0	343.	395.	12.	-1.88	0	2346.70
13.25	2354.91	3.07	8.12	0.90	2.39	2356.35	2349.50
0.002095	0.046	0.080	0.040	0.100	0.0	-0.00	200.00
	2342.30	17.	17.	17.	61.	19.	280.00 121.

*SECNO 4.260

3470 ENCROACHMENT STATIONS= 200.0 280.0 TYPE= 1 TARGET= 80.000

4.26	4270.	1054.	3208.	8.	0.80	2	80.
2355.59	0.0	345.	396.	12.	-0.00	0	2346.70
13.29	2354.93	3.06	8.10	0.67	0.04	2356.39	2349.50
0.002629	0.046	0.090	0.045	0.150	0.00	-0.00	200.00
	2342.30	15.	15.	15.	61.	19.	280.00 121.

*SECNO 4.530

3301 HV CHANGED MORE THAN HVINS

JACKS CREEK 100 YR FLOODWAY 02/28/81

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= 60.0 115.0 TYPE= 1 TARGET= 55.000

4.53	4040.	3.	4037.	0.	2.88	9	55.

2362.50

B03

2363.43	2363.43	2.	296.	0.	2.08	14	2362.50	
8.43	2363.45	1.48	13.62	0.0	7.84	2366.31	100000.00	
0.018427	0.046	0.090	0.045	0.090	1.04	-0.00	60.00	
	2355.00	1450.	1450.	1450.	29.	26.	115.00	139.

C03

THIS RUN EXECUTED 02/28/81 11:55:47

****
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/

JACKS CREEK

SUMMARY PRINTOUT TABLE 110

SECNO	CWSEL	DIFKWS	EG	TOPWID	PERENC	STENCL	STENCR	STCHL	STCHR	QLOB	QCH	QROB
2.860	2298.10	0.0	2300.26	95.	0.	0.	0.	165.	235.	38.	5780.	37.
2.860	2299.10	1.00	2300.81	70.	70.	165.	235.	165.	235.	0.	5855.	0.
3.080	2310.75	0.0	2313.02	138.	0.	0.	0.	167.	207.	189.	4712.	679.
3.080	2310.54	-0.22	2313.17	90.	90.	165.	255.	167.	207.	15.	4877.	688.
3.080	2311.71	0.0	2313.37	152.	0.	0.	0.	167.	207.	220.	4537.	823.
3.080	2311.64	-0.07	2313.57	90.	90.	165.	255.	167.	207.	15.	4748.	817.
3.080	2311.88	0.0	2313.44	155.	0.	0.	0.	167.	207.	225.	4505.	850.
3.080	2312.75	0.87	2314.21	90.	90.	165.	255.	167.	207.	15.	4643.	922.
3.080	2311.98	0.0	2313.50	156.	0.	0.	0.	167.	207.	227.	4489.	864.
3.080	2312.81	0.83	2314.26	90.	90.	165.	255.	167.	207.	15.	4639.	926.
3.280	2317.02	0.0	2318.05	138.	0.	0.	0.	235.	281.	1209.	4072.	48.
3.280	2317.29	0.28	2318.58	90.	90.	195.	285.	235.	281.	805.	4496.	29.
3.280	2317.24	0.0	2318.20	140.	0.	0.	0.	235.	281.	1240.	4039.	51.
3.280	2317.54	0.30	2318.76	90.	90.	195.	285.	235.	281.	820.	4480.	30.
3.280	2317.76	0.0	2318.58	184.	0.	0.	0.	235.	281.	1308.	3964.	59.
3.280	2318.76	0.99	2319.69	90.	90.	195.	285.	235.	281.	883.	4416.	31.
3.280	2317.76	0.0	2318.64	184.	0.	0.	0.	235.	281.	1208.	4067.	56.
3.280	2318.76	1.00	2319.74	90.	90.	195.	285.	235.	281.	809.	4492.	29.
3.500	2322.27	0.0	2323.70	132.	0.	0.	0.	235.	281.	902.	4123.	31.
3.500	2322.83	0.56	2324.33	90.	90.	195.	285.	235.	281.	644.	4387.	24.
3.700	2328.12	0.0	2329.01	283.	0.	0.	0.	367.	415.	1206.	3502.	97.
3.700	2328.48	0.37	2329.63	120.	120.	300.	420.	367.	415.	850.	3925.	30.
3.700	2328.68	0.0	2329.41	262.	0.	0.	0.	367.	415.	1387.	3418.	0.
3.700	2329.09	0.41	2330.07	115.	120.	300.	420.	367.	415.	910.	3895.	0.
3.700	2330.62	0.0	2330.93	299.	0.	0.	0.	367.	415.	1742.	2926.	136.
3.700	2331.48	0.86	2332.02	120.	120.	300.	420.	367.	415.	1060.	3713.	33.

STCHR QLOB QCH QROB

D03

	SECNO	CWSEL	DIFKWS	EG	TOPWID	PERENC	STENCL	STENCR	STCHL	STCHR	QLOB	QCH	QROB
	3.700	2330.76	0.0	2330.97	301.	0.	0.	0.	367.	415.	2105.	2519.	180.
	3.700	2331.64	0.88	2332.06	120.	120.	300.	420.	367.	415.	1351.	3409.	45.
	3.730	2330.77	0.0	2331.77	281.	0.	0.	0.	367.	415.	1059.	3595.	117.
	3.730	2331.72	0.95	2332.77	120.	120.	300.	420.	367.	415.	806.	3926.	38.
	3.760	2331.40	0.0	2332.93	119.	0.	0.	0.	227.	275.	612.	4082.	35.
	3.760	2332.28	0.88	2333.44	100.	100.	175.	275.	227.	275.	762.	3968.	0.
	3.760	2332.38	0.0	2333.46	154.	0.	0.	0.	227.	275.	766.	3913.	51.
	3.760	2332.91	0.53	2333.86	100.	100.	175.	275.	227.	275.	842.	3888.	0.
	3.760	2333.71	0.0	2334.40	169.	0.	0.	0.	227.	275.	976.	3681.	73.
	3.760	2334.57	0.86	2335.19	100.	100.	175.	275.	227.	275.	1015.	3715.	0.
	3.760	2333.78	0.0	2334.45	170.	0.	0.	0.	227.	275.	986.	3671.	74.
	3.760	2334.63	0.85	2335.24	100.	100.	175.	275.	227.	275.	1020.	3710.	0.
	3.940	2336.69	0.0	2337.44	175.	0.	0.	0.	200.	245.	662.	3391.	502.
	3.940	2337.28	0.60	2338.09	100.	100.	170.	270.	200.	245.	563.	3617.	375.
	3.940	2336.93	0.0	2337.62	183.	0.	0.	0.	200.	245.	688.	3345.	522.
	3.940	2337.49	0.56	2338.26	100.	100.	170.	270.	200.	245.	573.	3602.	380.
*	3.940	2337.77	0.0	2338.28	188.	0.	0.	0.	200.	245.	787.	3188.	580.
*	3.940	2338.74	0.97	2339.31	100.	100.	170.	270.	200.	245.	621.	3525.	408.
	3.940	2337.74	0.0	2338.38	187.	0.	0.	0.	200.	245.	609.	3368.	578.
	3.940	2338.71	0.97	2339.40	100.	100.	170.	270.	200.	245.	475.	3678.	402.
	3.960	2338.00	0.0	2338.68	189.	0.	0.	0.	200.	245.	543.	3501.	511.
	3.960	2338.94	0.94	2339.67	100.	100.	170.	270.	200.	245.	406.	3806.	343.
*	4.000	2340.66	0.0	2344.07	67.	0.	0.	0.	157.	195.	45.	4411.	44.
*	4.000	2340.70	0.04	2344.07	62.	80.	130.	210.	157.	195.	46.	4408.	46.
	4.000	2343.17	0.0	2344.75	114.	0.	0.	0.	157.	195.	241.	4107.	153.
	4.000	2343.00	-0.17	2344.76	80.	80.	130.	210.	157.	195.	154.	4211.	135.
*	4.000	2345.23	0.0	2346.11	129.	0.	0.	0.	157.	195.	431.	3813.	255.
*	4.000	2345.74	0.51	2346.67	80.	80.	130.	210.	157.	195.	297.	4006.	199.
	4.000	2345.23	0.0	2346.16	129.	0.	0.	0.	157.	195.	488.	3780.	231.
	4.000	2345.73	0.50	2346.73	80.	80.	130.	210.	157.	195.	336.	3984.	180.
	4.250	2349.83	0.0	2351.04	151.	0.	0.	0.	243.	278.	1315.	2858.	97.
	4.250	2350.26	0.43	2351.79	80.	80.	200.	280.	243.	278.	1048.	3212.	10.
*	4.260	2351.54	0.0	2353.46	148.	0.	0.	0.	243.	278.	1002.	3214.	54.
*	4.260	2351.27	-0.26	2353.96	80.	80.	200.	280.	243.	278.	752.	3513.	5.
	4.260	2354.91	0.0	2355.40	164.	0.	0.	0.	243.	278.	1494.	2581.	195.
	4.260	2355.55	0.64	2356.35	80.	80.	200.	280.	243.	278.	1052.	3207.	11.
	4.260	2354.93	0.0	2355.43	164.	0.	0.	0.	243.	278.	1513.	2609.	148.
	4.260	2355.59	0.66	2356.39	80.	80.	200.	280.	243.	278.	1054.	3208.	8.

E03

STCHL	STCHR	QLOB	QCH	QROB

	SECNO	CWSEL	DIFKWS	EG	TOPWID	PERENC	STENCL	STENCR	STCHL	STCHR	QLOB	QCH	QROB
*	4.530	2363.45	0.0	2366.31	57.	0.	0.	0.	63.	115.	3.	4037.	0.
*	4.530	2363.43	-0.02	2366.31	55.	55.	60.	115.	63.	115.	3.	4037.	0.

SUMMARY OF ERRORS

CAUTION SECNO= 3.940 PROFILE= 1 HYDRAULIC JUMP D.S.
CAUTION SECNO= 3.940 PROFILE= 2 HYDRAULIC JUMP D.S.

CAUTION SECNO= 4.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 4.000 PROFILE= 2 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 4.000 PROFILE= 1 HYDRAULIC JUMP D.S.
CAUTION SECNO= 4.000 PROFILE= 2 HYDRAULIC JUMP D.S.

CAUTION SECNO= 4.260 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 4.260 PROFILE= 1
PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 4.260 PROFILE= 1
20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 4.260 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 4.260 PROFILE= 2
PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 4.260 PROFILE= 2
20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 4.530 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 4.530 PROFILE= 1
PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 4.530 PROFILE= 1
20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 4.530 PROFILE= 2 CRITICAL DEPTH ASSUMED

FLOODWAY DATA, JACKS CREEK
PROFILE NO. 2

STATION	FLOODWAY WIDTH (FT)	FLOODWAY SECTION AREA	FLOODWAY MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WATER SURFACE ELEVATION WITHOUT FLOODWAY	DIFFERENCE
2.860	70.	557.	10.5	2299.1	2298.1	1.0
3.080	90.	550.	10.1	2310.8	2310.8	0.0
3.080	90.	648.	8.6	2311.7	2311.7	0.0
3.080	90.	750.	7.4	2312.8	2311.9	0.9
3.080	90.	754.	7.4	2312.8	2312.0	0.8
3.280	90.	720.	7.4	2317.3	2317.0	0.3
3.280	90.	742.	7.2	2317.5	2317.2	0.3
3.280	90.	852.	6.3	2318.8	2317.8	1.0
3.280	90.	852.	6.3	2318.8	2317.8	1.0
3.500	90.	642.	7.9	2322.8	2322.3	0.5
3.700	120.	767.	6.3	2328.5	2328.1	0.4
3.700	120.	812.	5.9	2329.1	2328.7	0.4
3.700	120.	1125.	4.3	2331.5	2330.6	0.9
3.700	120.	1145.	4.2	2331.6	2330.8	0.8
3.730	120.	819.	5.8	2331.7	2330.8	0.9
3.760	100.	651.	7.3	2332.3	2331.4	0.9
3.760	100.	713.	6.6	2332.9	2332.4	0.5
3.760	100.	880.	5.4	2334.6	2333.7	0.9
3.760	100.	886.	5.3	2334.6	2333.8	0.8
3.940	100.	776.	5.9	2337.3	2336.7	0.6
3.940	100.	797.	5.7	2337.5	2336.9	0.6
3.940	100.	922.	4.9	2338.7	2337.8	0.9
3.940	100.	900.	5.1	2338.7	2337.7	1.0
3.960	100.	924.	4.9	2338.9	2338.0	0.9
4.000	80.	334.	13.5	2340.7	2340.7	0.0
4.000	80.	507.	8.9	2343.2	2343.2	0.0
4.000	80.	726.	6.2	2345.7	2345.2	0.5
4.000	80.	709.	6.3	2345.7	2345.2	0.5
4.250	80.	510.	8.4	2350.3	2349.8	0.5
4.260	80.	407.	10.5	2351.5	2351.5	0.0
4.260	80.	750.	5.7	2355.5	2354.9	0.6
4.260	80.	753.	5.7	2355.6	2354.9	0.7
4.530	55.	298.	13.5	2363.5	2363.5	0.0

..