

AD1

THIS RUN EXECUTED 02/14/81 9:56:52

HEC2 RELEASE DATED NOV 76 UPDATED JULY 1979
ERROR CORR - 01,02,03
MODIFICATION - 50,51,52,53,54

T1	YANCEY COUNTY NC FEMA STUDY										5
T2	10 YR FLOOD										10
T3	BIG CREEK										15
J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG	
	0.	2.	0.	0.	0.02254	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
NC	0.110	0.150	0.060	0.1	0.5						35
QT	5.	1495.	2615.	3220.	5010.	3220.	0.	0.	0.	0.	40
X1	0.04	21.	187.	232.	0.	0.	0.	0.0	0.0	0.	45
GR	2114.5	0.	2110.8	5.	2111.5	10.	2112.2	28.	2110.6	55.	50
GR	2107.5	60.	2108.3	64.	2102.1	86.	2102.5	114.	2102.5	142.	55
GR	2100.1	186.	2099.2	187.	2093.2	195.	2092.3	200.	2092.7	209.	60
GR	2093.7	215.	2093.9	225.	2094.0	226.	2097.5	232.	2103.8	244.	65
GR	2114.2	256.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	70
NC	0.110	0.120	0.040	0.0	0.0						75
X1	0.04	21.	187.	225.	60.	60.	60.	0.0	0.0	0.	80
X3	10.	0.0	0.0	0.	0.0	0.	0.0	2102.9	2103.0		85
GR	2114.5	0.	2110.8	5.	2111.5	10.	2112.2	28.	2110.6	55.	90
GR	2107.5	60.	2108.3	64.	2102.1	86.	2102.5	114.	2102.5	142.	95
GR	2100.1	186.	2099.2	187.	2093.2	195.	2092.3	200.	2092.7	209.	100
GR	2093.7	215.	2093.9	225.	2094.0	226.	2097.5	232.	2103.8	244.	105
GR	2114.2	256.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	110
SB	1.25	1.60	3.00	0.	30.00	0.01	305.00	0.43	2092.3	2092.3	115
X1	0.04	0.	0.	0.	13.	13.	13.	0.0	0.0	0.	120
X2	0.	0.0	1.	2101.3	2103.4	0.0	0.	0.0	0.0	0.	125
X3	10.	0.0	0.0	0.	0.0	0.	0.0	2103.4	2103.5		130
BT	17.0	0.0	2114.5	0.0	6.0	2110.9	0.0	10.0	2111.5	0.0	135
BT	28.0	2112.2	0.0	55.0	2110.6	0.0	60.0	2107.5	0.0	64.0	140
BT	2101.3	0.0	69.0	2107.7	0.0	85.0	2106.9	0.0	135.0	2104.9	145
BT	0.0	187.0	2103.4	0.0	187.0	2105.0	0.0	225.0	2105.0	0.0	150
BT	225.0	2103.5	0.0	245.0	2104.8	0.0	250.0	2108.8	0.0	256.0	155
BT	2114.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	160
NC	0.110	0.120	0.060	0.0	0.0						165

ED1

15 15 15 0.0 0.0 0. 170

E
218
3495
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3301
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SP

SB

E01

X1	0.04	21.	187.	232.	15.	15.	15.	0.0	0.0	0.	170
GR	2114.5	0.	2110.8	5.	2111.5	10.	2112.2	28.	2110.6	55.	175
GR	2107.5	60.	2108.3	64.	2102.1	86.	2102.5	114.	2102.5	145.	180
GR	2100.1	186.	2099.2	187.	2093.2	195.	2092.3	200.	2092.7	209.	185
GR	2093.7	215.	2093.9	225.	2094.0	226.	2097.5	232.	2103.8	244.	190
GR	2114.2	256.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	195
NC	0.150	0.150	0.060	0.0	0.8						200
QT	5.	1470.	2570.	3165.	4925.	3165.	0.	0.	0.	0.	205

X1	0.24	0.	0.	0.	1070.	1070.	1070.	0.0	23.80	0.	210
QT	5.	1470.	2570.	3160.	4920.	3160.	0.	0.	0.	0.	215

X1	0.25	0.	0.	0.	50.	50.	50.	0.0	3.90	0.	220
NC	0.090	0.130	0.050	0.0	0.5						225
QT	5.	1460.	2550.	3135.	4880.	3135.	0.	0.	0.	0.	230

X1	0.34	18.	232.	267.	440.	440.	440.	0.0	-1.20	0.	235
GR	2149.2	92.	2142.8	102.	2144.0	106.	2143.7	126.	2143.9	158.	240
GR	2133.7	179.	2133.2	232.	2132.5	234.	2129.6	249.	2129.8	257.	245
GR	2130.2	260.	2132.4	264.	2133.8	267.	2134.6	338.	2136.4	431.	250
GR	2135.4	436.	2137.0	441.	2149.2	526.	0.0	0.	0.0	0.	255
NC	0.0	0.0	0.040	0.0	0.0						260

X1	0.34	18.	234.	264.	40.	40.	40.	0.0	-1.20	0.	265
X3	10.	0.0	0.0	0.	0.0	0.	0.0	2132.8	2134.8		270
GR	2149.2	92.	2142.8	102.	2144.0	106.	2143.7	126.	2143.9	158.	275
GR	2133.7	179.	2133.2	232.	2132.5	234.	2129.6	249.	2129.8	257.	280
GR	2130.2	260.	2132.4	264.	2133.8	267.	2134.6	338.	2136.4	431.	285
GR	2135.4	436.	2137.0	441.	2149.2	526.	0.0	0.	0.0	0.	290
SB	1.25	1.60	3.00	0.	30.00	0.30	172.00	0.0	2128.4	2128.4	295

X1	0.34	0.	0.	0.	12.	12.	12.	0.0	0.0	0.	300
X2	0.	0.0	1.	2134.2	2134.3	0.0	0.	0.0	0.0	0.	305
X3	10.	0.0	0.0	0.	0.0	0.	0.0	2134.2	2135.3		310
BT	16.0	92.0	2148.0	0.0	102.0	2141.6	0.0	106.0	2142.8	0.0	315
BT	126.0	2142.5	0.0	158.0	2142.7	0.0	170.0	2136.9	0.0	175.0	320
BT	2134.3	0.0	183.0	2134.2	0.0	232.0	2135.0	0.0	232.0	2135.5	325
BT	0.0	264.0	2135.9	0.0	264.0	2135.6	0.0	283.0	2135.3	0.0	330
BT	330.0	2136.0	0.0	497.0	2143.9	0.0	526.0	2148.0	0.0	0.0	335
NC	0.090	0.110	0.055	0.0	0.0						340

X1	0.34	18.	232.	267.	10.	10.	10.	0.0	0.0	0.	345
GR	2149.2	92.	2142.8	102.	2144.0	106.	2143.7	126.	2143.9	158.	350
GR	2133.7	179.	2133.2	232.	2132.5	234.	2129.6	249.	2129.8	257.	355
GR	2130.2	260.	2132.4	264.	2133.8	267.	2134.6	338.	2136.4	431.	360
GR	2135.4	436.	2137.0	441.	2149.2	526.	0.0	0.	0.0	0.	365
NC	0.120	0.150	0.060	0.0	0.8						370
QT	5.	1450.	2535.	3120.	4855.	3120.	0.	0.	0.	0.	375

X1	0.40	20.	61.	112.	240.	240.	240.	0.0	-1.70	0.	380
GR	2157.8	0.	2150.4	11.	2148.0	18.	2149.0	24.	2148.7	44.	385

C01

GR	2147.7	49.	2140.0	61.	2135.7	67.	2135.2	85.	2134.7	90.	390
GR	2135.1	100.	2137.0	105.	2139.6	112.	2139.3	219.	2138.0	233.	395
											400
											405

SB
 EL
 221
 *SECN
 PRES
 22
 22
 22
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 D.C
 *SEC
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X1	0.40	20.	61.	112.	140.	140.	140.	24.	2148.7	44.	385
GR	2157.8	0.	2150.4	11.	2148.0	18.	2149.0	24.	2148.7	44.	385

CD1											
GR	2147.7	49.	2140.0	61.	2135.7	67.	2135.2	85.	2134.7	90.	390
GR	2135.1	100.	2137.0	105.	2139.6	112.	2139.3	219.	2138.0	233.	395
GR	2139.6	243.	2140.6	266.	2145.5	345.	2152.0	400.	2156.2	420.	400
NC	0.0	0.0	0.045	0.0	0.5						405
X1	0.40	20.	85.	105.	60.	60.	60.	0.0	-1.70	0.	410
X3	10.	0.0	0.0	0.	0.0	0.	0.0	2143.8	2138.5		415
GR	2157.8	0.	2150.4	11.	2148.0	18.	2149.0	24.	2148.7	44.	420
GR	2147.7	49.	2140.0	61.	2135.7	67.	2135.2	85.	2134.7	90.	425
GR	2135.1	100.	2137.0	105.	2139.6	112.	2139.3	219.	2138.0	233.	430
GR	2139.6	243.	2140.6	266.	2145.5	345.	2152.0	400.	2156.2	420.	435
NC	0.050	0.050	0.035	0.0	0.0						440
X1	0.40	23.	85.	105.	1.	1.	1.	0.0	0.0	0.	445
BT	4.0	85.0	2144.3	0.0	85.0	2145.0	2143.1	105.0	2144.1	2142.1	450
BT	105.0	2144.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	455
GR	2157.5	0.	2150.4	11.	2148.0	18.	2149.0	25.	2148.8	40.	460
GR	2148.3	55.	2144.3	85.	2135.2	85.	2135.0	87.	2135.0	87.	465
GR	2135.9	105.	2144.2	105.	2144.1	107.	2143.0	107.	2140.5	128.	470
GR	2139.3	153.	2138.5	209.	2139.0	222.	2139.6	243.	2140.9	270.	475
GR	2145.3	343.	2151.9	400.	2156.2	420.	0.0	0.	0.0	0.	480
X1	0.40	0.	0.	0.	14.	14.	14.	0.0	0.0	0.	485
X2	0.	0.0	0.	0.0	0.0	0.0	1.	0.0	0.0	0.	490
NC	0.130	0.120	0.045	0.0	0.0						495
X1	0.40	20.	85.	105.	1.	1.	1.	0.0	-1.70	0.	500
X3	10.	0.0	0.0	0.	0.0	0.	0.0	2144.3	2139.0		505
GR	2157.8	0.	2150.4	11.	2148.0	18.	2149.0	24.	2148.7	44.	510
GR	2147.7	49.	2140.0	61.	2135.7	67.	2135.2	85.	2134.7	90.	515
GR	2135.1	100.	2137.0	105.	2139.6	112.	2139.3	219.	2138.0	233.	520
GR	2139.6	243.	2140.6	266.	2145.5	345.	2152.0	400.	2156.2	420.	525
X1	0.40	20.	61.	112.	15.	15.	15.	0.0	0.0	0.	530
GR	2157.8	0.	2150.4	11.	2148.0	18.	2149.0	24.	2148.7	44.	535
GR	2147.7	49.	2140.0	61.	2135.7	67.	2135.2	85.	2134.7	90.	540
GR	2135.1	100.	2137.0	105.	2139.6	112.	2139.3	219.	2138.0	233.	545
GR	2139.6	243.	2140.6	266.	2145.5	345.	2152.0	400.	2156.2	420.	550
NC	0.130	0.110	0.045	0.0	0.0						555
QT	5.	1430.	2500.	3070.	4780.	3070.	0.	0.	0.	0.	560
X1	0.57	17.	75.	113.	820.	820.	820.	0.0	0.0	0.	565
GR	2174.3	0.	2164.5	10.	2165.3	14.	2165.3	33.	2164.4	53.	570
GR	2158.6	61.	2157.5	75.	2157.2	75.	2153.8	82.	2151.0	87.	575
GR	2151.5	100.	2153.9	102.	2160.7	113.	2160.5	130.	2161.5	230.	580
GR	2162.4	257.	2174.3	276.	0.0	0.	0.0	0.	0.0	0.	585
X1	0.57	20.	82.	115.	60.	60.	60.	0.0	0.0	0.	590
X3	10.	0.0	0.0	0.	0.0	0.	0.0	2164.0	2160.2		595
GR	2174.3	0.	2168.5	10.	2165.3	14.	2165.3	33.	2164.4	53.	600
GR	2158.6	61.	2157.5	75.	2157.2	75.	2153.8	82.	2148.3	82.	605
GR	2148.6	87.	2148.5	93.	2149.1	100.	2149.2	102.	2155.8	115.	610
GR	2160.7	115.	2160.5	130.	2161.5	230.	2162.4	257.	2174.3	276.	615

DD1											
620											

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GR 2148.6 87. 2148.5 93. 2149.1 100. 2149.4 115. 2149.3 276. 615
 GR 2160.7 115. 2160.5 130. 2161.5 230. 2162.4 257. 2174.3

DD1											
NC	0.060	0.060	0.040	0.0	0.0						620
X1	0.57	16.	82.	115.	1.	1.	1.	0.0	0.0	0.	625
BT	4.0	82.0	2164.4	0.0	82.0	2166.0	2162.3	115.0	2164.6	2160.9	630
BT	115.0	2163.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	635
GR	2174.5	0.	2165.5	9.	2165.5	40.	2164.5	82.	2148.3	82.	640
GR	2148.6	87.	2148.5	93.	2149.2	102.	2155.8	115.	2163.1	115.	645
GR	2161.4	124.	2160.7	150.	2161.5	230.	2162.4	257.	2169.4	269.	650
GR	2174.3	276.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	655
X1	0.57	0.	0.	0.	13.	13.	13.	0.0	0.0	0.	660
X2	0.	0.0	0.	0.0	0.0	0.0	1.	0.0	0.0	0.	665
NC	0.090	0.130	0.045	0.0	0.0						670
X1	0.57	20.	82.	115.	1.	1.	1.	0.0	0.0	0.	675
X3	10.	0.0	0.0	0.	0.0	0.	0.0	2164.5	2160.7	0.	680
GR	2174.3	0.	2164.5	10.	2165.3	14.	2165.3	33.	2164.4	53.	685
GR	2158.6	61.	2157.5	75.	2157.2	75.	2153.8	82.	2148.3	82.	690
GR	2148.6	87.	2148.5	93.	2149.1	100.	2149.2	102.	2155.8	115.	695
GR	2160.7	115.	2160.5	130.	2161.5	230.	2162.4	257.	2174.3	276.	700
X1	0.57	17.	75.	113.	15.	15.	15.	0.0	0.0	0.	705
GR	2174.3	0.	2164.5	10.	2165.3	14.	2165.3	33.	2164.4	53.	710
GR	2158.6	61.	2157.5	75.	2157.2	75.	2153.8	82.	2153.2	87.	715
GR	2153.6	100.	2153.9	102.	2160.7	113.	2160.5	130.	2161.5	230.	720
GR	2162.4	257.	2174.3	276.	0.0	0.	0.0	0.	0.0	0.	725
NC	0.130	0.130	0.060	0.0	0.0						730
QT	5.	1400.	2440.	3005.	4670.	3005.	0.	0.	0.	0.	735
X1	0.82	15.	100.	136.	1160.	1160.	1160.	0.0	-2.40	0.	740
GR	2202.0	50.	2201.5	69.	2200.5	73.	2191.8	93.	2185.0	100.	745
GR	2181.8	105.	2180.0	113.	2179.0	121.	2179.0	123.	2180.1	126.	750
GR	2182.4	136.	2185.6	150.	2189.4	234.	2199.3	246.	2208.5	269.	755
NC	0.0	0.0	0.040	0.0	0.0						760
X1	0.82	0.	0.	0.	40.	40.	40.	0.0	0.0	0.	765
X3	10.	0.0	0.0	0.	0.0	0.	0.0	2186.0	2184.2	0.	770
SB	1.25	1.60	3.00	0.	21.60	0.01	184.00	0.30	2176.6	2176.6	775
X1	0.82	0.	0.	0.	23.	23.	23.	0.0	0.0	0.	780
X2	0.	0.0	1.	2184.3	2185.7	0.0	0.	0.0	0.0	0.	785
X3	10.	0.0	0.0	0.	0.0	0.	0.0	2186.5	2184.7	0.	790
BT	16.0	50.0	2199.6	0.0	69.0	2199.1	0.0	73.0	2198.1	0.0	795
BT	80.0	2195.0	0.0	93.0	2189.4	0.0	95.0	2186.5	0.0	100.0	800
BT	2186.5	0.0	100.0	2188.0	0.0	138.0	2188.0	0.0	138.0	2186.5	805
BT	0.0	150.0	2185.6	0.0	175.0	2184.7	0.0	183.0	2184.7	0.0	810
BT	234.0	2187.0	0.0	246.0	2196.9	0.0	269.0	2206.1	0.0	0.0	815
NC	0.40	0.130	0.050	0.0	0.0						820
X1	0.82	0.	0.	0.	10.	10.	10.	0.0	2.40	0.	825
NC	0.130	0.130	0.060	0.0	0.0						830
QT	5.	1360.	2370.	2915.	4530.	2915.	0.	0.	0.	0.	835

E01

CCH
*SE

E01

X1	1.13	19.	85.	115.	1605.	1605.	1605.	0.0	0.0	0.	840
GR	2235.2	0.	2235.5	15.	2235.1	21.	2231.5	27.	2224.4	34.	845
GR	2224.4	43.	2219.8	57.	2215.0	85.	2214.2	89.	2214.5	95.	850
GR	2214.7	100.	2214.5	103.	2215.1	111.	2220.3	115.	2222.8	126.	855
GR	2222.6	128.	2225.5	172.	2226.0	184.	2235.5	210.	0.0	0.	860
NC	0.0	0.0	0.040	0.0	0.0						865
X1	1.13	0.	0.	0.	60.	60.	60.	0.0	0.0	0.	870
X3	10.	0.0	0.0	0.	0.0	0.	0.0	2219.6	2219.8		875
SB	1.25	1.60	3.00	0.	29.00	0.40	143.00	0.0	2214.0	2214.0	880
X1	1.13	0.	0.	0.	12.	12.	12.	0.0	0.0	0.	885
X2	0.	0.0	1.	2219.0	2220.1	0.0	0.	0.0	0.0	0.	890
X3	10.	0.0	0.0	0.	0.0	0.	0.0	2220.1	2220.3		895
BT	16.0	0.0	2235.2	0.0	14.0	2235.5	0.0	22.0	2235.1	0.0	900
BT	27.0	2231.5	0.0	34.0	2224.4	0.0	44.0	2224.4	0.0	56.0	905
BT	2220.2	0.0	73.0	2220.4	0.0	82.0	2220.1	0.0	82.0	2220.6	910
BT	0.0	116.0	2220.3	0.0	126.0	2222.8	0.0	128.0	2222.6	0.0	915
BT	172.0	2225.4	0.0	184.0	2225.9	0.0	200.0	2231.9	0.0	0.0	920
NC	0.140	0.130	0.050	0.0	0.0						925
X1	1.13	0.	0.	0.	15.	15.	15.	0.0	0.0	0.	930
NC	0.120	0.120	0.050	0.0	0.0						935
QT	5.	1315.	2290.	2820.	4375.	2820.	0.	0.	0.	0.	940
X1	1.41	18.	163.	188.	1425.	1425.	1425.	0.0	0.0	0.	945
GR	2280.6	0.	2271.0	22.	2270.2	31.	2266.0	44.	2265.4	63.	950
GR	2264.8	73.	2263.1	77.	2262.6	146.	2259.1	153.	2256.8	163.	955
GR	2256.8	173.	2255.7	180.	2256.3	188.	2258.1	197.	2263.2	208.	960
GR	2261.5	211.	2263.3	234.	2280.5	265.	0.0	0.	0.0	0.	965
NC	0.0	0.0	0.040	0.0	0.0						970
X1	1.41	0.	0.	0.	60.	60.	60.	0.0	0.0	0.	975
X3	10.	0.0	0.0	0.	0.0	0.	0.0	2259.9	2259.3		980
SB	1.25	1.60	3.00	0.	19.00	0.25	75.00	0.0	2255.7	2255.7	985
X1	1.41	0.	0.	0.	13.	13.	13.	0.0	0.0	0.	990
X2	0.	0.0	1.	2259.7	2259.7	0.0	0.	0.0	0.0	0.	995
X3	10.	0.0	0.0	0.	0.0	0.	0.0	2260.4	2259.7		1000
BT	17.0	0.0	2280.9	0.0	22.0	2271.0	0.0	32.0	2270.3	0.0	1005
BT	45.0	2266.0	0.0	105.0	2264.5	0.0	115.0	2262.8	0.0	146.0	1010
BT	2262.6	0.0	150.0	2260.4	0.0	161.0	2260.8	0.0	161.0	2261.3	1015
BT	0.0	192.0	2260.8	0.0	192.0	2260.4	0.0	200.0	2259.8	0.0	1020
BT	208.0	2263.2	0.0	211.0	2261.5	0.0	234.0	2263.3	0.0	266.0	1025
BT	2280.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1030
NC	0.150	0.130	0.060	0.0	0.0						1035
X1	1.41	18.	163.	188.	15.	15.	15.	0.0	0.0	0.	1040
GR	2280.6	0.	2271.0	22.	2270.2	31.	2266.0	44.	2265.4	63.	1045
GR	2264.8	73.	2263.1	77.	2262.6	146.	2259.1	153.	2257.8	163.	1050
GR	2257.8	173.	2256.7	180.	2257.3	188.	2258.1	197.	2263.2	208.	1055

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GR	2261.5	211.	2263.3	234.	2280.5	265.	0.0	0.	0.0	0.	1060
NC	0.150	0.130	0.060	0.0	0.0						1065
											1070

F01

GR	2261.5	211.	2263.3	234.	2280.5	265.	0.0	0.	0.0	0.	1060
NC	0.120	0.150	0.060	0.0	0.8						1065
QT	5.	1300.	2260.	2780.	4315.	2780.	0.	0.	0.	0.	1070
X1	1.52	14.	105.	154.	540.	540.	540.	0.0	0.0	0.	1075
GR	2287.4	0.	2277.5	11.	2277.9	13.	2277.9	33.	2271.9	47.	1080
GR	2272.7	100.	2267.8	105.	2266.0	135.	2266.2	139.	2266.7	141.	1085
GR	2268.0	154.	2271.6	155.	2275.3	167.	2287.5	185.	0.0	0.	1090
EJ											1095

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*PROF 1

CCHV= 0.100 CEHV= 0.500

*SECNO .040

2096 WSEL NOT GIVEN,AVG OF MAX,MIN USED

BIG CREEK 10 YR FLOOD 02/14/81

MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRISW	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	LOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL
0.04	1495.	0.	1495.	0.	1.22	0	44.	
2097.75	0.0	0.	169.	0.	0.50	0	2099.20	
5.45	0.0	0.0	8.87	0.01	0.0	2098.97	2097.50	
0.022523	0.0	0.110	0.060	0.150	0.0	-0.00	188.94	
	2092.30	0.	0.	0.	21.	23.	232.47	0.

*SECNO .040

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLE= 2102.90 ELREA= 2103.00

0.04	1495.	0.	1495.	0.	1.02	2	37.	
2098.60	0.0	0.	184.	0.	-0.20	0	2099.20	
6.30	0.0	0.0	8.12	0.0	0.63	2099.62	2093.90	
0.006069	0.039	0.110	0.040	0.120	0.02	-0.00	187.80	
	2092.30	0.	0.	0.	18.	19.	225.00	0.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	30.00	0.01	305.00	0.43
	ELCHU	ELCHD						
	2092.30	2092.30						

*SECNO .040

*** GR CARDS REPEATED CLASS A LOW FLOW

3420 BRIDGE W.S.= 2098.59 BRIDGE VELOCITY= 7.26
CALCULATED CHANNEL AREA= 206.

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
0.0	2099.62	0.00	0.	1495.	305.	305.	2101.30
	ELTRD						
	2103.40						

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLE= 2103.40 ELREA= 2103.50

0.04	1495.	0.	1495.	0.	1.03	0	37.	
2098.60	0.0	0.	184.	0.	0.00	0	2099.20	
6.30	0.0	0.0	8.13	0.0	0.00	2099.62	2093.90	
0.006097	0.039	0.110	0.040	0.120	0.0	-0.00	187.80	

H01

2092.30 13. 13. 13. 18. 19. 225.00 0.

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H01

2092.30 13. 13. 13. 18. 19. 225.00 0.

*SECNO .040

0.04	1495.	0.	1493.	2.	0.66	3	48.
2099.10	0.0	0.	228.	2.	-0.36	0	2099.20
6.80	0.0	0.0	6.54	0.92	0.11	2099.77	2097.50
0.008716	0.042	0.110	0.060	0.120	0.04	-0.00	187.13
	2092.30	15.	15.	15.	22.	26.	235.06

CCHV= 0.100 CEHV= 0.800

*SECNO .240

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

BIG CREEK			10 YR FLOOD		02/14/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRISW	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

0.24	1470.	0.	1470.	0.	1.72	10	41.	
2120.86	2120.86	0.	140.	0.	1.06	19	2123.00	
4.76	0.0	0.0	10.54	0.0	17.02	2122.58	2121.30	
0.038495	0.059	0.150	0.060	0.150	0.85	-0.00	189.85	
	2116.10	1070.	1070.	1070.	20.	22.	231.25	5.

*SECNO .250

*** GR CARDS REPEATED

BIG CREEK			10 YR FLOOD		02/14/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRISW	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

0.25	1470.	0.	1470.	0.	1.71	3	41.	
2124.78	2124.78	0.	140.	0.	-0.02	5	2126.90	
4.78	0.0	0.0	10.49	0.0	1.91	2126.48	2125.20	
0.037981	0.059	0.150	0.060	0.150	0.00	-0.00	189.83	
	2120.00	50.	50.	50.	20.	22.	231.27	5.

CCHV= 0.100 CEHV= 0.500

*SECNO .340

3301 HV CHANGED MORE THAN HVINS

0.34	1460.	224.	1154.	82.	0.78	3	190.
2133.95	0.0	92.	147.	75.	-0.93	0	2132.00

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5.55	0.0	2.43	7.87	1.09	8.15	2134.73	2132.60
					0.09	-0.00	176.02

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5.55	0.0	2.43	7.87	1.09	8.15	2134.73	2132.60	
0.010895	0.056	0.090	0.050	0.130	0.09	-0.00	176.02	
	2128.40	440.	440.	440.	73.	117.	366.33	
*SECNO .340								
3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 2132.80 ELREA= 2134.80								
0.34	1460.	235.	1225.	0.	0.97	3	88.	
2134.20	0.0	111.	143.	0.	0.19	0	2131.30	
5.80	0.0	2.12	8.58	0.0	0.34	2135.16	2131.20	
0.006869	0.056	0.090	0.040	0.130	0.10	-0.00	175.52	
	2128.40	40.	40.	40.	73.	15.	264.00	
SPECIAL BRIDGE								
SB	HK	XKOR	COFG	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	30.00	0.30	172.00	0.0
	ELCHU	ELCHD						
	2128.40	2128.40						
*SECNO .340								
*** GR CARDS REPEATED PRESSURE AND WEIR FLOW								
EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC	
2135.99	2135.18	0.06	182.	1273.	172.	172.	2134.20	
ELTRD								
2134.30								
3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 2134.20 ELREA= 2135.30								
0.34	1460.	301.	1159.	0.	0.61	5	90.	
2134.94	0.0	156.	166.	0.	-0.35	0	2131.30	
6.54	0.0	1.94	6.99	0.0	0.39	2135.56	2131.20	
0.003763	0.056	0.090	0.040	0.130	0.0	-0.00	173.97	
	2128.40	12.	12.	12.	75.	15.	264.00	
*SECNO .340								
BIG CREEK								
MILE	Q	QLOB	10 YR FLOOD	QROB	HV	ITRIAL	TOPWID	
ELEV	CRISWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL
7185 MINIMUM SPECIFIC ENERGY								
3720 CRITICAL DEPTH ASSUMED								
0.34	1460.	210.	1183.	67.	0.95	2	176.	
2134.88	2134.88	77.	137.	50.	0.34	15	2133.20	
5.28	0.0	2.73	8.62	1.34	0.07	2135.83	2133.80	
0.017306	0.056	0.090	0.055	0.110	0.17	-0.00	176.58	

101							
2129.60	10.	10.	10.	73.	103.	352.29	8.

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J01									
2129.60	10.	10.	10.	73.	103.	352.29	8.		
CCHV= 0.100 CEHV= 0.800									
*SECNO .400									
0.40	1450.	0.	1340.	110.	0.58	2	195.		
2138.46	0.0	0.	211.	116.	-0.38	0	2138.30		
5.46	0.0	0.01	6.34	0.95	3.17	2139.04	2137.90		
0.010413	0.056	0.120	0.060	0.150	0.04	-0.00	60.73		
	2133.00	240.	240.	240.	26.	170.	256.11	9.	
CCHV= 0.100 CEHV= 0.500									
*SECNO .400									
3301 HV CHANGED MORE THAN HVINS									
BIG CREEK 10 YR FLOOD 02/14/81									
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID		
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV		
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT		
SLOPE	WTN	XNL	XNCH	XNR	QLOSS	CORAR	SSTA		
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL	
3685 2D TRIALS ATTEMPTED WSEL CWSEL									
3693 PROBABLE MINIMUM SPECIFIC ENERGY									
3720 CRITICAL DEPTH ASSUMED									
3475 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 2143.80 ELREA= 2138.50									
0.40	1450.	0.	1138.	312.	1.24	20	185.		
2139.17	2139.17	0.	113.	240.	0.66	11	2133.50		
6.17	0.0	0.0	10.04	1.30	0.59	2140.40	2135.30		
0.009390	0.056	0.120	0.045	0.150	0.33	0.0	85.00		
	2133.00	60.	60.	60.	10.	175.	270.29	10.	
*SECNO .400									
3265 DIVIDED FLOW									
BIG CREEK 10 YR FLOOD 02/14/81									
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID		
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV		
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT		
SLOPE	WTN	XNL	XNCH	XNR	QLOSS	CORAR	SSTA		
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL	
3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 2144.10 MAX ELIC= 2143.10									
3685 2D TRIALS ATTEMPTED WSEL CWSEL									
3693 PROBABLE MINIMUM SPECIFIC ENERGY									
3720 CRITICAL DEPTH ASSUMED									
0.40	1450.	0.	961.	489.	0.75	20	148.		
2140.37	2140.37	0.	117.	144.	-0.48	15	2144.30		
7.37	0.0	0.0	8.21	3.40	0.01	2141.12	2144.20		
0.009381	0.056	0.050	0.035	0.050	0.05	-0.00	85.00		
	2133.00	1.	1.	1.	10.	164.	258.95	10.	

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*SECNO .400									

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*SECNO .400

*** GR CARDS REPEATED

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 2144.10 MAX ELLC= 2143.10

0.40	1450.	0.	816.	634.	0.43	4	163.
2140.82	0.0	0.	126.	205.	-0.32	0	2144.30
7.82	0.0	0.0	6.47	3.09	0.10	2141.25	2144.20
0.005589	0.056	0.050	0.035	0.050	0.03	-0.00	85.00
	2133.00	14.	14.	14.	10.	173.	268.34
							10.

*SECNO .400

BIG CREEK

10 YR FLOOD

02/14/81

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

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 2144.30 ELREA= 2139.00

0.40	1450.	0.	796.	654.	0.25	2	215.
2141.03	0.0	0.	151.	576.	-0.18	0	2133.50
8.03	0.0	0.0	5.29	1.14	0.00	2141.27	2135.30
0.001780	0.056	0.130	0.045	0.120	0.02	-0.00	85.00
	2133.00	1.	1.	1.	10.	205.	300.34
							10.

*SECNO .400

0.40	1450.	0.	1229.	221.	0.31	2	214.
2141.03	0.0	1.	255.	248.	0.06	0	2140.00
6.33	0.0	0.34	4.82	0.89	0.03	2141.34	2139.60
0.002630	0.055	0.130	0.045	0.120	0.03	-0.00	59.40
	2134.70	15.	15.	15.	27.	186.	272.92
							10.

*SECNO .570

3301 HV CHANGED MORE THAN HVINS

BIG CREEK			10 YR FLOOD		02/14/81		
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID
ELEV	CRISW	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

0.57	1430.	0.	1430.	0.	2.01	20	32.
2157.03	2157.03	0.	126.	0.	1.70	11	2157.50
6.03	0.0	0.0	11.37	0.0	4.72	2159.04	2160.70

L01

0.021748	0.052	0.130	0.045	0.110	0.85	-0.00	75.34
		820	820	820.	19.	13.	107.07
							16.

*SECNO

3301 HV

3495 OV

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3370 N

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L01

0.021748 0.052 0.130 0.045 0.110 0.85 -0.00 75.34
 2151.00 820. 820. 820. 19. 13. 107.07 16.

*SECNO .570

3301 HV CHANGED MORE THAN HVINS

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 2164.00 ELREA= 2160.20

0.57 1430. 0. 1430. 0. 0.37 2 33.
 2159.09 0.0 0. 294. 0. -1.64 0 2153.80
 10.79 0.0 0.0 4.86 0.0 0.25 2159.45 2160.70
 0.001693 0.052 0.130 0.045 0.110 0.16 -0.00 82.00
 2148.30 60. 60. 60. 17. 17. 115.00 16.

*SECNO .570

3370 NORMAL BRIDGE,NRD= 4 MIN ELTRD= 2163.10 MAX ELLC= 2162.30

0.57 1430. 0. 1430. 0. 0.37 0 33.
 2159.09 0.0 0. 295. 0. -0.00 0 2164.50
 10.79 0.0 0.0 4.85 0.0 0.00 2159.46 2163.10
 0.002175 0.052 0.060 0.040 0.060 0.00 0.0 82.00
 2148.30 1. 1. 1. 17. 17. 115.00 16.

*SECNO .570

*** GR CARDS REPEATED
 BIG CREEK

10 YR FLOOD 02/14/81

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

3370 NORMAL BRIDGE,NRD= 4 MIN ELTRD= 2163.10 MAX ELLC= 2162.30

0.57 1430. 0. 1430. 0. 0.36 0 33.
 2159.12 0.0 0. 295. 0. -0.00 0 2164.50
 10.82 0.0 0.0 4.85 0.0 0.03 2159.48 2163.10
 0.002165 0.052 0.060 0.040 0.060 0.00 0.0 82.00
 2148.30 13. 13. 13. 17. 17. 115.00 17.

*SECNO .570

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 2164.50 ELREA= 2160.70

0.57 1430. 0. 1430. 0. 0.36 0 33.
 2159.12 0.0 0. 295. 0. 0.00 0 2153.80
 10.82 0.0 0.0 4.85 0.0 0.00 2159.49 2160.70
 0.001674 0.052 0.090 0.045 0.130 0.00 0.0 82.00
 2148.30 1. 1. 1. 17. 17. 115.00 17.

M01

*SECNO .570

13.1
 0.0024

*SECNO
 3301 HV

0.
 2161.
 7.
 0.0087

*SECNO
 3301 H

BI
 MIL
 ELE
 DEP
 SLO

7185 M
 3720 C

218
 0.028

*SECNO

*** GI

3301

3495

218

0.00

SPEC

SB

EL
 21

*SECNO

MD1

*SECNO .570

3301 HV CHANGED MORE THAN HVINS

0.57	1430.	10.	1420.	0.	1.54	6	48.
2158.59	2158.26	8.	142.	0.	1.17	11	2157.50
5.39	0.0	1.36	9.99	0.0	0.06	2160.13	2160.70
0.015244	0.052	0.090	0.045	0.130	0.59	-0.00	61.10
	2153.20	15.	15.	15.	33.	16.	109.59

17.

*SECNO .820

0.82	1400.	0.	1378.	22.	1.55	15	45.
2182.21	2181.99	0.	137.	11.	0.01	5	2182.60
5.61	0.0	0.0	10.07	2.04	23.63	2183.76	2180.00
0.028816	0.054	0.130	0.060	0.130	0.01	-0.00	100.60
	2176.60	1160.	1160.	1160.	17.	28.	145.68

21.

*SECNO .820

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 2186.00 ELREA= 2184.20

0.82	1400.	0.	1400.	0.	0.99	2	36.
2183.28	0.0	0.	175.	0.	-0.56	0	2182.60
6.68	0.0	0.0	8.00	0.0	0.45	2184.27	2180.00
0.005967	0.054	0.130	0.040	0.130	0.06	-0.00	100.00
	2176.60	40.	40.	40.	18.	18.	136.00

21.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	21.60	0.01	184.00	0.30
ELCHU	ELCHD							
2176.60	2176.60							

*SECNO .820

*** GR CARDS REPEATED

BIG CREEK 10 YR FLOOD 02/14/81

MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRWS	NOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XL OBL	XLCH	XL OBR	WSDL	WSDR	ENDST	VOL

CLASS A LOW FLOW

3420 BRIDGE W.S.= 2183.27 BRIDGE VELOCITY= 8.89
 CALCULATED CHANNEL AREA= 157.

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
0.0	2184.27	0.00	0.	1400.	184.	184.	2184.30

*SECNO

*** GR

3301

B
MI
EL
DE
SL

PRES

21

21

21

0.0

*SEC

330

718

372

2

0.

*SE

330

0

A02

ELTRD
2185.70

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 2186.50 ELREA= 2184.70

0.82	1400.	0.	1400.	0.	0.99	0	36.
2183.28	0.0	0.	175.	0.	-0.00	0	2182.60
6.68	0.0	0.0	8.00	0.0	0.00	2184.27	2180.00
0.005966	0.054	0.130	0.040	0.130	0.0	0.0	100.00
	2176.60	23.	23.	23.	18.	18.	136.00

*SECNO .820

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

BIG CREEK		10 YR FLOOD			02/14/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

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

0.82	1400.	0.	1385.	15.	1.78	20	44.
2184.38	2184.38	0.	129.	9.	0.79	15	2185.00
5.38	0.0	0.0	10.76	1.75	0.11	2186.16	2182.40
0.024422	0.054	0.140	0.050	0.130	0.39	-0.00	100.97
	2179.00	10.	10.	10.	17.	27.	144.67

*SECNO 1.130

3301 HV CHANGED MORE THAN HVINS

1.13	1360.	157.	1203.	0.	1.11	5	56.
2219.50	0.0	59.	135.	0.	-0.67	0	2215.00
5.30	0.0	2.67	8.93	0.0	34.38	2220.60	2220.30
0.018872	0.056	0.130	0.060	0.130	0.07	-0.00	58.77
	2214.20	1605.	1605.	1605.	41.	14.	114.38

*SECNO 1.130

*** GR CARDS REPEATED

1.13	1360.	137.	1223.	0.	0.82	2	60.
2220.34	0.0	83.	160.	0.	-0.29	0	2215.00
6.14	0.0	1.65	7.64	0.01	0.53	2221.16	2220.30
0.005089	0.056	0.130	0.040	0.130	0.03	-0.00	55.33
	2214.20	60.	60.	60.	45.	15.	115.22

SPECIAL BRIDGE

B02

SP	LV	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
						0.40	143.00	0.0

*SECNO

*** GR

2221

0.008

SPECIA

SB

1

ELC

2214

*SECNO

*** GR

PRESSI

EI

2221

EI

222

222

0.00

*SECNO

*** GR

3265

EI

M.

EI

DI

SI

22

0.0

*SECNO

3265 1

B02

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	29.00	0.40	143.00	0.0
	ELCHU	ELCHD						
	2214.00	2214.00						

*SECNO 1.130

GR CARDS REPEATED
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2222.59	2221.22	0.05	297.	1061.	143.	143.	2219.00

ELTRD
2220.10

1.13	1360.	160.	1200.	1.	0.59	3	66.
2221.12	0.0	107.	183.	1.	-0.23	0	2215.00
6.92	0.0	1.49	6.55	0.35	0.55	2221.71	2220.30
0.003127	0.055	0.130	0.040	0.130	0.0	-0.00	52.98
	2214.20	12.	12.	12.	47.	19.	118.60
							27.

*SECNO 1.130

GR CARDS REPEATED

BIG CREEK		10 YR FLOOD			02/14/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLORR	WSDL	WSDR	ENDST	VOL
1.13	1360.	185.	1174.	1.	0.54	2	66.	
2221.24	0.0	111.	187.	2.	-0.06	0	2215.00	
7.04	0.0	1.67	6.29	0.45	0.06	2221.77	2220.30	
0.004392	0.055	0.140	0.050	0.130	0.01	-0.00	52.63	
	2214.20	15.	15.	15.	47.	19.	119.11	27.

*SECNO 1.410

3301 HV CHANGED MORE THAN HVINS

BIG CREEK		10 YR FLOOD			02/14/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLORR	WSDL	WSDR	ENDST	VOL

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

1.41	1315.	81.	1111.	123.	1.68	20	51.
2260.35	2260.35	26.	99.	34.	1.14	14	2256.80
4.65	0.0	3.17	11.21	3.64	11.94	2262.03	2256.30
0.022825	0.054	0.120	0.050	0.120	0.57	-0.00	150.50

C02

2255.70	1425.	1425.	1425.	25.	26.	201.86	35.
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3265 D1

3301 H1

B1
MIL
ELE
DEP
SLO

3685 2
3693 F
3720 C

226
0.021

*SECNO

3301 G

3301

226
0.00

SPEC

5227
HYDR

SB

E
22

*SEC

3301
6870
PRES

22

22

226

4.65	0.0	3.17	11.21	3.04	11.74	-0.00	150.50
0.022625	0.054	0.120	0.050	0.120	0.57	-0.00	

C02									
2255.70	1425.	1425.	1425.	25.	26.	201.86	35.		
*SECNO 1.410									
*** GR CARDS REPEATED									
3265 DIVIDED FLOW									
3301 HV CHANGED MORE THAN HVINS									
1.41	1315.	90.	1106.	119.	0.89	2	62.		
2261.79	0.0	46.	135.	57.	-0.79	0	2256.80		
6.09	0.0	1.97	8.20	2.10	0.57	2262.68	2256.30		
0.005167	0.054	0.120	0.040	0.120	0.08	-0.00	147.62		
	2255.70	60.	60.	60.	28.	39.	214.70	35.	
SPECIAL BRIDGE									
SE	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS	
	1.25	1.60	3.00	0.0	19.00	0.25	75.00	0.0	
	ELCHU	ELCHD							
	2255.70	2255.70							
*SECNO 1.410									
*** GR CARDS REPEATED									
3265 DIVIDED FLOW									
PRESSURE AND WEIR FLOW									
EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC		
2269.43	2262.74	0.06	743.	572.	75.	75.	2259.70		
ELTRD									
2259.70									
1.41	1315.	100.	1085.	131.	0.63	2	78.		
2262.60	0.0	59.	156.	80.	-0.26	0	2256.80		
6.90	0.0	1.69	6.98	1.64	0.56	2263.24	2256.30		
0.003099	0.054	0.120	0.040	0.120	0.0	-0.00	144.64		
	2255.70	13.	13.	13.	31.	50.	225.78	35.	
*SECNO 1.410									
3265 DIVIDED FLOW									
1.41	1315.	129.	1021.	165.	0.75	2	80.		
2262.62	0.0	54.	131.	76.	0.12	0	2257.80		
5.92	0.0	2.38	7.80	2.19	0.08	2263.37	2257.30		
0.010977	0.054	0.150	0.060	0.160	0.06	-0.00	142.79		
	2256.70	15.	15.	15.	33.	50.	225.35	35.	

D02

CCHV= 0.100 CEHV= 0.800

*SECNO 1.520

BIG CREEK

10 YR FLOOD

02/14/81

MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	BANK ELEV	
ELEV	CRISWS	ALOB	ACH	AROB	DHV	IDC	LEFT/RIGHT		
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	SSTA		
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	ENDST		VOL
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR			
1.52	1300.	5.	1294.	0.	0.94	19	52.		
2270.32	2269.71	3.	166.	1.	0.19	14	2267.80		
4.32	0.0	1.62	7.79	0.64	7.74	2271.26	2268.00		
0.019556	0.055	0.120	0.060	0.150	0.15	-0.00	102.43		
	2266.00	540.	540.	540.	27.	25.	154.65		38.

T1
T2
T3
J1
J2

E02

E02

THIS RUN EXECUTED 02/14/81 9:57:07

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*****
HEC2 RELEASE DATED NOV 76 UPDATED JULY 1979
ERROR CORR - 01,02,03
MODIFICATION - 50,51,52,53,54
*****

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T1 YANCEY COUNTY NC FEMA STUDY 1100
T2 50 YR FLOOD 1105
T3 BIG CREEK 1110

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J1 ICHECK INQ NINV IDIR STRT METRIC HVINS Q WSEL Fq
   0. 3. 0. 0. 0.02254 0. 0.0 0. 0.0 0.0 1115
J2 NPROF IPLOT PRFVS XSECV XSECH FN ALLDC IBW CHNIM ITRACE
   2. 0. -1. 0. 0. 0.0 0.0 0. 0. 0. 1120

```

F02

*PROF

CCHV=
*SECN
2096

E
M
EL
DE
SI

21

0.0

*SEC

3495

2

0.1

SPE

SB

2

*SE

330

330

PRE

34

34

34

34

34

34

34

34

34

34

34

34

34

F02

*PROF 2

CCHV= 0.100 CEHV= 0.500

*SECNO .040

2096 WSEL NOT GIVEN,AVG OF MAX,MIN USED

BIG CREEK		50 YR FLOOD					02/14/81		
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID		
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV		
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT		
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA		
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL	
0.04	2615.	0.	2611.	4.	1.83	0	49.		
2099.38	0.0	0.	240.	3.	0.50	0	2099.20		
7.08	0.0	0.02	10.86	1.31	0.0	2101.20	2097.50		
0.022511	0.0	0.110	0.060	0.150	0.0	-0.00	186.81		
	2092.30	0.	0.	0.	23.	26.	235.57	0.	

*SECNO .040

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 2102.90 ELREA= 2103.00

0.04	2615.	0.	2615.	0.	1.82	3	38.	
2100.73	0.0	0.	242.	0.	-0.01	0	2099.20	
7.83	0.0	0.0	10.81	0.0	0.74	2101.94	2093.90	
0.007738	0.039	0.110	0.040	0.120	0.00	-0.00	187.00	
	2092.30	0.	60.	60.	19.	19.	225.00	0.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	30.00	0.01	305.00	0.43
	ELCHU	ELCHD						
	2092.30	2092.30						

*SECNO .040

*GR CARDS REPEATED
PRESSURE FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2101.95	2101.94	0.00	0.	2615.	305.	305.	2101.30
	ELTRD						
	2103.40						

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 2103.40 ELREA= 2103.50

0.04	2615.	0.	2615.	0.	1.80	4	38.	
2100.15	0.0	0.	243.	0.	-0.01	0	2099.20	
7.85	0.0	0.0	10.77	0.0	0.01	2101.95	2093.90	
0.007640	0.039	0.110	0.040	0.120	0.0	-0.00	187.00	
	2092.30	13.	13.	13.	19.	19.	225.00	0.

G02

210

0.0

*SEC

3301

21

0.0

CCH

*SEC

330

368

369

372

0.

*SI

37

71

37

0

CCH

*SE

G02

*SECNO .040

3301 HV CHANGED MORE THAN HVINS

0.04	2615.	10.	2585.	20.	1.00	3	71.
2107.15	0.0	11.	320.	13.	-0.80	0	2099.20
8.85	0.0	0.88	2.07	1.57	0.12	2102.15	2097.50
0.008490	0.042	0.110	0.069	0.120	0.08	-0.00	168.08
	2092.30	15.	15.	15.	41.	29.	238.95

CCHV= 0.100 CEHV= 0.800

*SECNO .240

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

BIG CREEK			50 YR FLOOD			02/14/81		
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRISW	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

0.24	2570.	0.	2569.	1.	2.37	12	46.
2122.44	2122.44	0.	208.	1.	1.37	19	2123.00
6.34	0.0	0.0	12.36	1.17	16.15	2124.82	2121.30
0.034530	0.059	0.150	0.060	0.150	1.10	-0.00	187.74
	2116.10	1070.	1070.	1070.	22.	25.	234.18

*SECNO .250

*** GR CARDS REPEATED

BIG CREEK			50 YR FLOOD			02/14/81		
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRISW	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

0.25	2570.	0.	2568.	2.	2.36	3	46.
2126.36	2126.36	0.	208.	1.	-0.01	5	2126.90
6.36	0.0	0.0	12.33	1.18	1.72	2128.72	2125.20
0.034227	0.059	0.150	0.060	0.150	0.00	-0.00	187.72
	2120.00	50.	50.	50.	22.	25.	234.21

CCHV= 0.100 CEHV= 0.500

*SECNO .340

3265 DIVIDED FLOW

H02

3301 HV CHANGED MORE THAN HVINS

CCHV=
*SECNO

3301 HV

0
2135
7
0.008

*SECNO

0
2135
7
0.00

SPECI

5227
HYDRA

SB

EL
212

*SECN

*** GR
PRES

E
212

I
21.

21.

0.0

*SEC

F
E
D
S

21

H02

3301 HV CHANGED MORE THAN HVINS

0.34	2550.	525.	1647.	378.	0.79	4	265.
2135.19	0.0	163.	190.	243.	-1.57	0	2132.00
6.79	0.0	3.21	8.66	1.56	7.11	2135.98	2132.60
0.009337	0.056	0.090	0.050	0.130	0.16	-0.00	173.46
	2128.40	440.	440.	440.	76.	190.	439.10
							12.

*SECNO .340

0.34	2550.	496.	1655.	399.	0.87	2	267.
2135.44	0.0	186.	181.	297.	0.08	0	2131.30
7.04	0.0	2.67	9.15	1.34	0.29	2136.31	2131.20
0.005747	0.056	0.090	0.040	0.130	0.04	-0.00	172.94
	2128.40	40.	40.	40.	76.	191.	439.89
							12.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	30.00	0.30	172.00	0.0
	ELCHU	ELCHD						
	2128.40	2128.40						

*SECNO .340

GR CARDS REPEATED
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2140.90	2136.35	0.04	1181.	1370.	172.	172.	2134.20
	ELTRD						
	2134.30						

0.34	2550.	541.	1426.	583.	0.40	2	276.
2136.62	0.0	259.	216.	508.	-0.47	0	2131.30
8.22	0.0	2.08	6.60	1.15	0.71	2137.01	2131.20
0.002353	0.056	0.090	0.040	0.130	0.0	-0.00	170.51
	2128.40	12.	12.	12.	78.	198.	446.74
							12.

*SECNO .340

BIG CREEK

50 YR FLOOD

02/14/81

MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID
ELEV	CRISW	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	XL0BL	XLCH	XLOBR	WSDL	WSDR	ENDST
							VOL
0.34	2550.	549.	1497.	504.	0.57	2	267.
2136.57	0.0	174.	196.	273.	0.18	0	2133.20
6.97	0.0	3.16	7.62	1.84	0.04	2137.14	2133.80
0.008383	0.056	0.090	0.055	0.110	0.09	-0.00	173.09
	2129.60	10.	10.	10.	76.	190.	439.65
							13.

CCHV= 0.100 CEHV= 0.800

7
0.007
CCHV=
*SECNO
3301 H
2139
0.010
CCHV=
*SECNO
3301
B
MI
EL
DE
SL
3685
3693
3720
3495
21
0.0
*SEC
3265
3301
3370
21
0.1
*SEI

I02

SECNO 100

211

102

*SECNO .400

0.40	2535.	0.	2162.	373.	1.01	2	211.	
2139.18	0.0	1.	248.	224.	0.44	0	2138.30	
6.18	0.0	0.81	8.72	1.66	2.70	2140.20	2137.90	
0.015954	0.056	0.120	0.060	0.150	0.35	-0.00	59.62	16.
	2133.00	240.	240.	240.	27.	184.	270.57	

CCHV= 0.100 CEHV= 0.500

*SECNO .400

3301 HV CHANGED MORE THAN HVINS

BIG CREEK		50 YR FLOOD			02/14/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRWS	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

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 2143.30 ELREA= 2138.50

0.40	2535.	0.	1667.	868.	1.53	20	204.	
2140.35	2140.35	0.	137.	446.	0.52	11	2133.50	
7.35	0.0	0.0	12.17	1.95	0.78	2141.88	2135.30	
0.010717	0.056	0.120	0.045	0.150	0.26	-0.00	85.00	16.
	2133.00	60.	60.	60.	10.	194.	289.30	

*SECNO .400

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

BIG CREEK		50 YR FLOOD			02/14/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRWS	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

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 2144.10 MAX ELLEA= 2143.10

3685 2D TRIALS ATTEMPTED WSEL CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

0.40	2535.	0.	1260.	1275.	0.88	20	172.	
2141.17	2141.17	0.	133.	257.	-0.65	11	2144.30	
8.17	0.0	0.0	9.47	4.96	0.01	2142.05	2144.20	
0.011615	0.056	0.050	0.035	0.050	0.06	-0.00	85.00	16.
	2133.00	1.	1.	1.	10.	179.	274.48	

J02

*SECNO .400

3265
3370
214
0.0
*SEC
M
E
D
S
349
2
0.
*SE
2
0.
*SE
33
36
36
37
0
*SE

J02

*SECNO .400

GR CARDS REPEATED

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 2144.10 MAX ELIC= 2143.10

0.40	2535.	0.	1065.	1470.	0.53	4	185.	
2141.68	0.0	0.	143.	338.	-0.35	0	2144.30	
8.68	0.0	0.0	7.43	4.35	0.12	2142.21	2144.20	
0.006877	0.056	0.050	0.035	0.050	0.04	-0.00	85.00	
	2133.00	14.	14.	14.	10.	188.	282.95	17.

*SECNO .400

BIG CREEK

MILE	Q	QLOB	50 YR FLOOD	QROB	02/14/81	ITRIAL	TOPWID	
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VL OB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 2144.30 ELREA= 2139.00

0.40	2535.	0.	1277.	1258.	0.50	2	227.	
2141.72	0.0	0.	165.	715.	-0.03	0	2133.50	
8.73	0.0	0.0	7.76	1.76	0.00	2142.22	2135.30	
0.003413	0.056	0.130	0.045	0.120	0.00	-0.00	85.00	
	2133.00	1.	1.	1.	10.	217.	311.55	17.

*SECNO .400

0.40	2535.	1.	2005.	528.	0.59	2	226.	
2141.74	0.0	2.	291.	365.	0.09	0	2140.00	
7.04	0.0	0.62	6.88	1.45	0.06	2142.33	2139.60	
0.004505	0.055	0.130	0.045	0.120	0.05	-0.00	58.29	
	2134.70	15.	15.	15.	28.	198.	284.33	17.

*SECNO .570

3301 HV CHANGED MORE THAN HVINS

BIG CREEK	Q	QLOB	50 YR FLOOD	QROB	02/14/81	ITRIAL	TOPWID	
MILE	CRWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
ELEV	WSELK	VL OB	VCH	VROB	HL	EG	LEFT/RIGHT	
DEPTH	WTN	XL	XNCH	XNR	OLOSS	CORAR	SSTA	
SLOPE	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

3685 2D TRIALS ATTEMPTED WSEL, CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

0.57	2500.	22.	2478.	0.	2.51	20	50.
2159.06	2159.06	14.	194.	0.	1.92	8	2157.50
8.06	0.0	1.54	12.77	0.0	6.54	2161.57	2160.70
0.018051	0.052	0.130	0.045	0.110	0.96	-0.00	60.36

K02

2151.00	820.	820.	820.	34.	16.	110.35	25.
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*SECN

3301

3495

21

0.0

*SEC

3265

3370

2

0.1

*SE

326

326

33

0

0

*S

34

C

KD2									
2151.00	820.	820.	820.	34.	16.	110.35	25.		
*SECNO .570									
3301 HV CHANGED MORE THAN HVINS									
3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 2164.00 ELREA= 2160.20									
0.57	2500.	0.	2478.	22.	0.69	2	136.		
2161.38	0.0	0.	370.	50.	-1.82	0	2153.80		
13.08	0.0	0.0	6.71	0.43	0.32	2162.07	2160.70		
0.002489	0.052	0.130	0.045	0.110	0.18	-0.00	82.00		
	2148.30	60.	60.	60.	17.	119.	217.96	25.	
*SECNO .570									
3265 DIVIDED FLOW									
3370 NORMAL BRIDGE,NRD= 4 MIN ELTRD= 2163.10 MAX ELLC= 2162.30									
0.57	2500.	0.	2473.	27.	0.70	0	127.		
2161.38	0.0	0.	367.	33.	0.00	0	2164.50		
13.08	0.0	0.0	6.73	0.82	0.00	2162.08	2163.10		
0.004487	0.052	0.060	0.040	0.060	0.00	-2.83	82.00		
	2148.30	1.	1.	1.	17.	120.	218.84	25.	
*SECNO .570									
stat GR CARDS REPEATED									
3265 DIVIDED FLOW									
BIG CREEK 50 YR FLOOD 02/14/81									
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID		
ELEV	CRWS	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	
3370 NORMAL BRIDGE,NRD= 4 MIN ELTRD= 2163.10 MAX ELLC= 2162.30									
0.57	2500.	0.	2466.	34.	0.69	2	134.		
2161.45	0.0	0.	369.	38.	-0.01	0	2164.50		
13.15	0.0	0.0	6.69	0.88	0.06	2162.14	2163.10		
0.004521	0.052	0.060	0.040	0.060	0.00	-3.55	82.00		
	2148.30	13.	13.	13.	17.	126.	224.86	26.	
*SECNO .570									
3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 2164.50 ELREA= 2160.70									
0.57	2500.	0.	2478.	22.	0.68	0	143.		
2161.46	0.0	0.	372.	58.	-0.00	0	2153.80		

*SECNO .57
0.57
2162.41
9.22
0.006015

*SECNO .8
3301 HV C
BIG C
MILE
ELEV
DEPTH
SLOPE

3685 20
3693 PRO
3720 CRI
0.8
2184.5
7.9
0.02523

*SECNO .
stat GR C
3301 HV
3495 OVI
0.1
2185.1
9.
0.0056

SPECIAL
SB H
1.
ELC
2176.

*SECNO
stat GR

3301 HV I

L02									
13.16	0.0	0.0	6.66	0.38	0.00	2162.14	2160.70		
				0.130	0.00	-0.00	82.00		

2161.46 0.0 0. 372. 28. -0.00

L02									
13.16	0.0	0.0	6.66	0.38	0.00	2162.14	2160.70		
0.002434	0.052	0.090	0.045	0.130	0.00	-0.00	82.00		
	2148.30	1.	1.	1.	17.	127.	225.34	26.	
*SECNO .570									
3301 HV CHANGED MORE THAN HVINS									
0.57	2500.	149.	2333.	17.	1.43	4	137.		
2161.15	2160.03	48.	236.	30.	0.75	11	2157.50		
7.95	0.0	3.12	9.90	0.57	0.06	2162.57	2160.70		
0.008748	0.052	0.090	0.045	0.130	0.37	-0.00	57.48		
	2153.20	15.	15.	15.	37.	101.	194.91	26.	
*SECNO .820									
3301 HV CHANGED MORE THAN HVINS									
BIG CREEK 50 YR FLOOD 02/14/81									
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID		
ELEV	CRISW	ALOB	ACH	AROB	DHV	IDC	BANK ELEV		
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT		
SLOPE	WTN	XNL	XNCH	XNR	QLOSS	CORAR	SSTA		
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL	
7185 MINIMUM SPECIFIC ENERGY									
3720 CRITICAL DEPTH ASSUMED									
0.82	2440.	1.	2346.	93.	2.28	15	62.		
2183.69	2183.69	1.	190.	32.	0.85	11	2182.60		
7.09	0.0	1.04	12.35	2.92	16.74	2185.97	2180.00		
0.028715	0.054	0.130	0.060	0.130	0.43	-0.00	98.88		
	2176.60	1160.	1160.	1160.	19.	43.	160.88	33.	
*SECNO .820									
*** GR CARDS REPEATED									
3301 HV CHANGED MORE THAN HVINS									
3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 2186.00 ELREA= 2184.20									
0.82	2440.	0.	2307.	133.	1.32	2	94.		
2185.17	0.0	0.	243.	93.	-0.96	0	2182.60		
8.57	0.0	0.0	9.48	1.42	0.42	2186.49	2180.00		
0.005403	0.054	0.130	0.040	0.130	0.10	-0.00	100.00		
	2176.60	40.	40.	40.	18.	76.	193.70	33.	
SPECIAL BRIDGE									
SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS	
	1.25	1.60	3.00	0.0	21.60	0.01	184.00	0.30	
	ELCHU	ELCHD							
	2176.60	2176.60							

3301 HV CH
BIG CR
MILE
ELEV
DEPTH
SLOPE
PRESSURE
EGPRS
2192.52
ELTRD
2185.70
0.82
2187.22
10.6
0.00297
*SECNO .
*** GR C
3301 HV
BIG
MILE
ELEV
DEPTH
SLOPE
3685 20
3693 PR
3720 CR
0.
2186.
7.
0.0181
*SECNO
1.
2221.
7.
0.0252
*SECNO
*** GR

M02

*SECNO .820

3265 DIV

M02

*SECNO .820

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

BIG CREEK			50 YR FLOOD			02/14/81		
MILE	Q	QLOB	QCH	QROB	HV	ITRYAL	TOPWID	
ELEV	CRISW	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC	
2189.54	2186.49	0.00	709.	1733.	184.	184.	2184.30	
ELTRD								
2185.70								
0.82	2440.	6.	2211.	222.	0.80	3	129.	
2186.57	0.0	8.	294.	196.	-0.52	0	2182.60	
9.97	0.0	0.75	7.53	1.14	0.88	2187.37	2180.00	
0.002653	0.054	0.130	0.040	0.130	0.0	-0.00	95.91	
	2176.60	23.	23.	23.	22.	107.	224.59	33.

*SECNO .820

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

BIG CREEK			50 YR FLOOD			02/14/81		
MILE	Q	QLOB	QCH	QROB	HV	ITRYAL	TOPWID	
ELEV	CRISW	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

7185 MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

0.82	2440.	0.	2362.	78.	2.34	4	62.	
2186.08	2186.08	1.	189.	32.	1.54	19	2185.00	
7.08	0.0	0.81	12.76	2.46	0.06	2188.42	2182.40	
0.020394	0.054	0.140	0.050	0.130	0.77	-0.00	98.89	
	2179.00	10.	10.	10.	19.	43.	160.55	33.

*SECNO 1.130

3301 HV CHANGED MORE THAN HVINS

1.13	2370.	379.	1991.	1.	1.71	4	64.	
2220.87	0.0	99.	176.	1.	-0.63	0	2215.00	
6.67	0.0	3.82	11.33	0.73	34.11	2222.58	2220.30	
0.022190	0.056	0.130	0.060	0.130	0.06	-0.00	53.73	
	2214.20	1605.	1605.	1605.	46.	18.	117.53	43.

3265 DI

3301 HV

1.
2222.
8.
0.0065

SPECIAL

SB 1
7.
ELC
2214

*SECNO

*** GR
PRESSU

EG
2232

EL
2220

222

0.00

*SECN

*** G
B
MI
EL
DE
SL

222

0.00

*SECI

3265

A03

*SECNO 1.130

*** GR CARDS REPEATED

1.13	2370.	311.	2054.	4.	1.34	2	72.	
2221.91	0.0	133.	207.	6.	-0.37	0	2215.00	
7.71	0.0	2.34	9.92	0.76	0.63	2223.25	2220.30	
0.008086	0.056	0.130	0.040	0.130	0.04	-0.00	50.56	
	2214.20	60.	60.	60.	49.	22.	122.11	43.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	29.00	0.40	143.00	0.0
	ELCHU	ELCHD						
	2214.00	2214.00						

*SECNO 1.130

*** GR CARDS REPEATED
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC	
2228.74	2223.36	0.11	1191.	1180.	143.	143.	2219.00	
ELTRD								
2220.10								
1.13	2370.	333.	2028.	9.	1.09	3	76.	
2222.52	0.0	155.	225.	11.	-0.25	0	2215.00	
8.32	0.0	2.16	9.01	0.81	0.35	2223.61	2220.30	
0.004488	0.055	0.130	0.040	0.130	0.0	-0.00	48.72	
	2214.20	12.	12.	12.	51.	25.	124.76	43.

*SECNO 1.130

*** GR CARDS REPEATED

3265 DIVIDED FLOW

BIG CREEK		50 YR FLOOD			02/14/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRIWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	NSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	QLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL
1.13	2370.	387.	1970.	13.	0.94	2	82.	
2222.75	0.0	163.	232.	14.	-0.14	0	2215.00	
8.55	0.0	2.37	8.49	0.98	0.08	2223.70	2220.30	
0.005972	0.055	0.140	0.050	0.130	0.01	-0.00	48.01	
	2214.20	15.	15.	15.	52.	30.	130.33	43.

*SECNO 1.410

3301 HV
BIG
MILE
ELEV
DEPTI
SLOPI

3685 20
3693 PR
3720 CR
1.
2263.
7
0.0148

*SECNO

*** GR

3301 H

1
2264
8
0.004

SPECIA

5227 D
HYDRAL

SB

ELI
225

*SECNO

*** GR
6870
PRESS

E
229

E
225

222

B03

3265 DIVIDED FLOW

0.0041

B03

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

BIG CREEK		50 YR FLOOD			02/14/81		TOPWID	
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	BANK ELEV	
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC		
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XLN	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

3685 20 TRIALS ATTEMPTED WSEL,CWSEL

3693 PROBABLE MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

1.41	2290.	191.	1847.	252.	2.29	20	64.	
2261.92	2261.92	48.	138.	59.	1.35	14	2256.80	
6.22	0.0	4.02	13.37	4.24	14.29	2264.21	2256.30	
0.020818	0.054	0.120	0.050	0.120	0.67	-0.00	147.37	
	2255.70	1425.	1425.	1425.	28.	41.	216.32	54.

*SECNO 1.410

GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

1.41	2290.	232.	1792.	265.	1.19	3	159.	
2263.66	0.0	133.	182.	124.	-1.10	0	2256.80	
7.96	0.0	1.74	9.86	2.13	0.54	2264.86	2256.30	
0.005025	0.054	0.120	0.040	0.120	0.11	-0.00	75.68	
	2255.70	60.	60.	60.	100.	59.	234.65	54.

SPECIAL BRIDGE

5227 DOWNSTREAM ELEV IS 2262.69 NOT 2263.66
HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

SB	HK	XKOR	COFO	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	19.00	0.25	75.00	0.0
ELCHD	ELCHD							
2255.70	2255.70							

*SECNO 1.410

GR CARDS REPEATED

6870 D.S. ENERGY OF 2264.86 HIGHER THAN COMPUTED ENERGY OF 2264.70
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2286.83	2265.65	0.0	1805.	484.	75.	75.	2259.70
ELTRD							
2259.70							

1.41	2290.	233.	1792.	266.	1.19	4	159.
------	-------	------	-------	------	------	---	------

C03

2263.67	0.0	134.	182.	125.	-0.00	0	2256.80
7.97	0.0	1.74	9.85	2.13	0.0	2264.86	2256.30
					0.0	-0.00	75.67

0.00463

*SECNO

1.

2264.

8.

0.0111

CCHV=

*SECNO

3265 D1

3301 H1

BI

MIL

ELE

DEP

SLO

1

2272

6

0.01E

1.41 2290. 233. 1792. 266. 1.19 4 159.

C03

2263.67	0.0	134.	182.	125.	-0.00	0	2256.80	
7.97	0.0	1.74	9.85	2.13	0.0	2264.86	2256.30	
0.005012	0.054	0.120	0.040	0.120	0.0	-0.00	75.67	
	2255.70	13.	13.	13.	100.	59.	234.66	55.

*SECNO 1.410

1.41	2290.	314.	1644.	332.	1.21	2	159.	
2263.78	0.0	138.	160.	125.	0.02	0	2257.80	
7.08	0.0	2.27	10.30	2.65	9.12	2264.99	2257.30	
0.014672	0.054	0.150	0.060	0.160	0.01	-0.00	75.41	
	2256.70	15.	15.	15.	100.	59.	234.86	55.

CCHV= 0.100 CEHV= 0.800

*SECNO 1.520

3265 DIVIDED FLOW

BIG CREEK		50 YR FLOOD			02/14/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL
1.52	2260.	18.	2240.	2.	1.27	4	60.	
2271.97	0.0	9.	246.	2.	0.06	0	2267.80	
5.97	0.0	2.00	9.10	0.82	8.20	2273.24	2268.00	
0.015747	0.055	0.120	0.060	0.150	0.05	-0.00	46.86	
	2266.00	540.	540.	540.	83.	27.	156.17	59.

D03

HE
ER
MO

T1
T2
T3

J1

J2

D03

THIS RUN EXECUTED 02/14/81 9:57:13

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*****
HEC2 RELEASE DATED NOV 76 UPDATED JULY 1979
ERROR CORR - 01,02,03
MODIFICATION - 50,51,52,53,54
*****

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T1 YANCEY COUNTY NC FEMA STUDY 1125
T2 100 YR FLOOD 1130
T3 BIG CREEK 1135

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J1 ICHECK INQ NINV IDIR STRT METRIC HVINS Q WSEL FQ
   0. 4. 0. 0. 0.02254 0. 0.0 0. 0.0 0.0 1140
J2 NPROF IPLOT PRFVS XSECV XSECH FN ALLDC IBW CHNIM ITRACE
   3. 0. -1. 0. 0. 0.0 0.0 0. 0. 0. 1145

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*PRC

CCH
*SEI
209

2

0.

*SI

331

0

SP

SE

*S

*S

3

PI

E03

E03

*PROF 3

CCHV= 0.100 CEHV= 0.500

*SECNO .040

2096 WSEL NOT GIVEN,AVG OF MAX,MIN USED

BIG CREEK

100 YR FLOOD

02/14/81

MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID		
ELEV	CRISW	ALOB	ACH	AROB	DHV	IDC	BANK ELEV		
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT		
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA		
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL	
0.04	3220.	0.	3209.	10.	2.14	0	51.		
2100.10	0.0	0.	273.	6.	0.50	0	2099.20		
7.80	0.0	0.97	17.75	1.62	0.0	2102.24	2097.50		
0.022252	0.0	0.110	0.060	0.150	0.0	-0.00	185.99		
	2092.30	0.	0.	0.	24.	27.	236.95	0.	

*SECNO .040

3495 OVBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 2102.90 ELREA= 2103.00

0.04	3220.	0.	3220.	0.	2.24	4	38.		
2100.82	0.0	0.	268.	0.	0.10	0	2099.20		
8.52	0.0	0.0	12.01	0.0	0.77	2103.06	2093.90		
0.008323	0.039	0.110	0.040	0.120	0.05	-0.00	187.00		
	2092.30	60.	60.	60.	19.	19.	225.00	0.	

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	30.00	0.01	305.00	0.43
ELCHU	ELCHD							
2092.30	2092.30							

*SECNO .040

GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2103.59	2103.06	0.01	1.	3218.	305.	305.	2101.30
ELTRD							
2103.40							

NOTE: QWEIR IS GREATER THAN 0 AND ELEV IS LESS THAN ELTRD

3495 OVBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 2103.40 ELREA= 2103.50

0.04	3220.	0.	3220.	0.	1.68	5	38.		
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F03

2101.90	0.0	0.	309.	0.	-0.56	0	2099.20		
			10.41	0.0	0.52	2103.58	2093.90		

*SECNO

2100

0.00

CCHV=

*SECNO

3301

3301

B

MI

EL

DE

SL

3685

3693

3720

21

0.0

*SEC

3301

718

3721

2

0.1

CCH

*SE

330

2

0.01

F03

2101.90	0.0	0.	309.	0.	-0.56	0	2099.20	
9.60	0.0	0.0	10.41	0.0	0.52	2103.58	2093.90	
0.005172	0.039	0.110	0.040	0.120	0.0	-0.00	187.00	
	2092.30	13.	13.	13.	19.	19.	225.00	0.

*SECNO .040

3301 HV CHANGED MORE THAN HVINS

0.04	32.0.	115.	3059.	46.	0.87	2	159.	
2102.88	0.0	98.	398.	28.	-0.81	0	2099.20	
10.57	0.0	1.18	7.68	1.67	0.08	2103.75	2097.50	
0.005743	0.042	0.110	0.060	0.120	0.08	-0.00	83.22	
	2092.30	15.	15.	15.	126.	33.	242.25	1.

CCHV= 0.100 CEHV= 0.800
*SECNO .240

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

BIG CREEK		100 YR FLOOD			02/14/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	QLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

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

0.24	3165.	0.	3160.	5.	2.67	20	49.	
2123.18	2123.18	0.	241.	3.	1.80	14	2123.00	
7.08	0.0	0.02	13.12	1.59	12.13	2125.85	2121.30	
0.032811	0.059	0.150	0.060	0.150	1.44	-0.00	186.80	
	2116.10	1070.	1070.	1070.	23.	26.	235.59	10.

*SECNO .250

*** GR CARDS REPEATED

BIG CREEK		100 YR FLOOD			02/14/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	QLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

0.25	3160.	0.	3155.	5.	2.67	3	49.	
2127.08	2127.08	0.	240.	3.	-0.00	5	2126.90	
7.08	0.0	0.02	13.12	1.59	1.64	2129.74	2125.20	
0.032839	0.059	0.150	0.060	0.150	0.00	-0.00	186.80	
	2120.00	50.	50.	50.	23.	26.	235.57	10.

G03

CCHV= 0.100 CEHV= 0.500

0.00

*SECNO

213

0.00

SPEC

5227

HYDR

SB

EI

21

*SEC

PRES

21

21

2

0.1

*SE

2

0.

CCI

*SI

3301

603

CCHV= 0.100 CEHV= 0.500
*SECNO .340

3301 HV CHANGED MORE THAN HVINS

0.34	3135.	677.	1857.	601.	0.77	4	269.
2135.76	0.0	197.	210.	341.	-1.90	0	2132.00
7.36	0.0	3.43	8.84	1.76	6.59	2136.53	2132.60
0.008506	0.056	0.090	0.050	0.130	0.19	-0.00	172.28
	2128.40	440.	440.	440.	77.	191.	440.88
							15.

*SECNO .340

0.34	3135.	639.	1896.	600.	0.91	3	270.
2135.96	0.0	218.	196.	389.	0.14	0	2131.30
7.56	0.0	2.93	9.65	1.54	0.28	2136.87	2131.20
0.005777	0.056	0.090	0.040	0.130	0.07	-0.00	171.86
	2128.40	40.	40.	40.	77.	193.	442.16
							16.

SPECIAL BRIDGE

5227 DOWNSTREAM ELEV IS 2134.81 NOT 2135.96
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	30.00	0.30	172.00	0.0
ELCHD	ELCHD							
2128.40	2128.40							

*SECNO .340

GR CARDS REPEATED
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2144.22	2137.15	0.0	1765.	1377.	172.	172.	2134.20
ELTRD							
2134.30							

0.34	3135.	678.	1668.	789.	0.46	2	281.
2137.10	0.0	290.	231.	597.	-0.45	0	2131.30
8.70	0.0	2.34	7.23	1.32	0.68	2137.56	2131.20
0.002590	0.056	0.090	0.040	0.130	0.0	-0.00	169.51
	2128.40	12.	12.	12.	79.	201.	450.12
							16.

*SECNO .340

BIG CREEK		100 YR FLOOD			02/14/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRWS	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	WSLR	ENDST	VOL
0.34	3135.	693.	1688.	753.	0.57	2	270.	
2137.08	0.0	204.	214.	362.	0.12	0	2133.20	

3301 HV

0.
2140.
7.
0.0167

CCHV=
*SECNO

3301 HV

BI
MILI
ELE
DEP
SLO

3685 2
3693 F
3720 C

3495 C

214

0.01

*SECNO

3265

3301

3370

214

0.0

*SECI

3265

3370

H03

0.0 3.39 7.87 2.08 0.04 2137.66 2133.80

U.34 2137.08 0.0 204. 214. 362. 0.12 U 2133.80

H03

7.48	0.0	3.39	7.87	2.08	0.04	2137.66	2133.80	
0.007956	0.056	0.090	0.055	0.110	0.06	-0.00	172.03	
	2129.60	10.	10.	10.	77.	192.	447.58	17.

CCHV= 0.100 CEHV= 0.800
*SECNO .400

3301 HV CHANGED MORE THAN HVINS

0.40	3120.	1.	2536.	583.	1.12	2	219.	
2139.63	0.0	1.	270.	296.	0.55	0	2138.30	
6.63	0.0	1.08	9.38	1.97	2.65	2140.75	2137.90	
0.016414	0.056	0.120	0.060	0.150	0.44	-0.00	58.93	
	2133.00	240.	240.	240.	28.	191.	277.72	20.

CCHV= 0.100 CEHV= 0.500
*SECNO .400

3301 HV CHANGED MORE THAN HVINS

BIG CREEK			100 YR FLOOD			02/14/81		
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRISW	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

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 2143.80 ELREA= 2138.50

0.40	3120.	0.	1925.	1195.	1.68	20	212.	
2140.84	2140.84	0.	147.	539.	0.55	11	2133.50	
7.84	0.0	0.0	13.11	2.21	0.81	2142.52	2135.30	
0.011321	0.056	0.120	0.045	0.150	0.28	-0.00	85.00	
	2133.00	60.	60.	60.	10.	202.	297.32	21.

*SECNO .400

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 2144.10 MAX ELIC= 2143.10

0.40	3120.	0.	1169.	1951.	0.58	13	194.	
2142.06	2141.42	0.	151.	402.	-1.10	15	2144.30	
9.06	0.0	0.0	7.75	4.86	0.01	2142.64	2144.20	
0.007296	0.056	0.050	0.035	0.050	0.11	-0.00	85.00	
	2133.00	1.	1.	1.	10.	194.	289.19	21.

*SECNO .400

0.
2143.
10.
0.0048

*SECNO
BIC
MILE
ELEV
DEP
SLO

3495 0

0
2143
10
0.002

*SECNO
214
0.00

*SECNO
3301

B
MI
EL
DE
SL

3685
3693
3720

21
0.0

*SECNO
3301

21

103

GR CARDS REPEATED

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 2144.10 MAX ELLC= 2143.10

0.40	3120.	0.	1072.	2048.	0.48	2	199.	
2142.26	0.0	0.	155.	438.	-0.10	0	2144.30	
9.26	0.0	0.0	6.93	4.67	0.09	2142.74	2144.20	
0.006233	0.056	0.050	0.035	0.050	0.01	-0.27	85.00	
	2133.00	14.	14.	14.	10.	198.	292.63	21.

*SECNO .400

BIG CREEK		100 YR FLOOD			02/14/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRISW	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 2144.30 ELREA= 2139.00

0.40	3120.	0.	1489.	1631.	0.57	2	235.	
2142.22	0.0	0.	174.	820.	0.09	0	2133.50	
9.22	0.0	0.0	8.54	1.99	0.00	2142.79	2135.30	
0.003819	0.056	0.130	0.045	0.120	0.05	-0.00	85.00	
	2133.00	1.	1.	1.	10.	225.	319.53	21.

*SECNO .400

0.40	3120.	3.	2362.	755.	0.66	2	235.	
2142.24	0.0	4.	317.	454.	0.09	0	2140.00	
7.54	0.0	0.76	7.45	1.66	0.06	2142.90	2139.60	
0.004723	0.055	0.130	0.045	0.120	0.05	-0.00	57.51	
	2134.70	15.	15.	15.	29.	206.	292.41	22.

*SECNO .570

3301 HV CHANGED MORE THAN HVINS

BIG CREEK		100 YR FLOOD			02/14/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRISW	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

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

0.57	3070.	60.	3010.	0.	2.73	20	53.	
2159.92	2159.92	27.	225.	0.	2.06	8	2157.50	
8.92	0.0	2.21	13.38	0.0	6.64	2162.64	2160.70	
0.017194	0.052	0.130	0.045	0.110	1.03	-0.00	59.19	
	2151.00	820.	820.	820.	35.	18.	111.73	31.

103

*SECNO .570

16
0.002

*SECNO
3370

216
0.00

*SECNO

3370
E
M
E
D
S

3370

21
0.0

*SECNO
3265

2
0.1

*SECNO
326

2
0.

*SECNO

3301

J03

*SECNO .570

3301 HV CHANGED MORE THAN HVINS

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 2164.00 ELREA= 2160.20

0.57	3070.	0.	2920.	150.	0.78	3	175.
2162.39	0.0	0.	403.	177.	-1.95	0	2153.80
14.09	0.0	0.0	7.25	0.85	0.32	2163.16	2160.70
0.002594	0.052	0.130	0.045	0.110	0.20	-0.00	82.00
	2148.30	60.	60.	60.	17.	158.	256.56
							32.

*SECNO .570

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 2163.10 MAX ELIC= 2162.30

0.57	3070.	0.	2672.	398.	0.69	2	172.
2162.48	0.0	0.	377.	166.	-0.09	0	2164.50
14.18	0.0	0.0	7.09	2.40	0.00	2163.17	2163.10
0.006886	0.052	0.060	0.040	0.060	0.01	-29.23	82.00
	2148.30	1.	1.	1.	17.	159.	257.14
							32.

*SECNO .570

GR CARDS REPEATED

3265 DIVIDED FLOW

BIG CREEK		100 YR FLOOD			02/14/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRISW	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	WSPR	ENDST	VOL

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 2163.10 MAX ELIC= 2162.30

0.57	3070.	0.	2612.	458.	0.65	2	173.
2162.81	0.0	0.	377.	184.	-0.04	0	2164.50
14.31	0.0	0.0	7.93	2.49	0.08	2163.26	2163.10
0.006392	0.052	0.060	0.040	0.060	0.00	-33.52	82.00
	2148.30	13.	13.	13.	17.	159.	257.57
							32.

*SECNO .570

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 2164.50 ELREA= 2160.70

0.57	3070.	0.	2917.	153.	0.75	2	175.
2162.57	0.0	0.	409.	203.	0.10	0	2153.80
14.27	0.0	0.0	7.14	0.75	0.00	2163.32	2160.70
0.002465	0.052	0.090	0.045	0.130	0.05	-0.00	82.00

K03

2148.30	1.	1.	1.	17.	159.	257.27	32.
---------	----	----	----	-----	------	--------	-----

3301 F

BI
MIL
ELI
DEI
SLI

3685
3693
3720

218

0.02

*SECI

stat (

3301

21

0.0

SPEC

SB

21

*SEI

stat

1

PRE

2

2

21

0.0

K03

2148.30 1. 1. 1. 17. 159. 257.27 32.

*SECNO .570

0.57 3070. 226. 2638. 206. 1.16 2 201.
 2162.41 0.0 71. 284. 185. 0.41 0 2157.50
 9.22 0.0 3.17 9.29 1.11 0.05 2163.58 2160.70
 0.006015 0.052 0.090 0.045 0.130 0.21 -0.00 55.73
 2153.20 15. 15. 15. 38. 163. 257.03 32.

*SECNO .820

3301 HV CHANGED MORE THAN HVINS

BIG CREEK 100 YR FLOOD 02/14/81
 MILE Q QLOB QCH QROB HV ITRIAL TOPWID
 ELEV CRIWS ALOB ACH AROB DHV IDC BANK ELEV
 DEPTH WSELK VLOB VCH VROB HL EG LEFT/RIGHT
 SLOPE WTN XNL XNCH XNR OLOSS CORAR SSTA
 ELMIN XLOBL XLCH XLOBR WSDL WSDR ENDST VOL

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

0.82 3005. 3. 2823. 179. 2.39 20 82.
 2184.54 2184.54 2. 221. 61. 1.23 11 2182.60
 7.95 0.0 1.43 12.79 2.92 12.51 2186.94 2180.00
 0.025236 0.054 0.130 0.060 0.130 0.61 -0.00 98.00
 2176.60 1160. 1160. 1160. 20. 62. 179.73 43.

*SECNO .820

GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELREA= 2186.00 ELREA= 2184.20

0.82 3005. 0. 2787. 218. 1.55 3 110.
 2185.89 0.0 0. 269. 140. -0.85 0 2182.60
 9.29 0.0 0.0 10.35 1.55 0.42 2187.44 2180.00
 0.005634 0.054 0.130 0.040 0.130 0.08 -0.00 100.00
 2176.60 40. 40. 40. 18. 92. 209.55 44.

SPECIAL BRIDGE

SB HK XKOR COFQ RDLEN BWC BWP BAREA SS
 1.25 1.60 3.00 0.0 21.60 0.01 184.00 0.30
 ELCHU ELCHD
 2176.60 2176.60

*SECNO .820

GR CARDS REPEATED

2188.16
 11.56
 0.004739

*SECNO .82

GR CAR

3301 HV CH

BIG CR

MILE
 ELEV
 DEPTH
 SLOPE

3685 20 T
 3693 PROB
 3720 CRIT
 0.82
 2188.85
 9.85
 0.015382

*SECNO 1,

BIG C
 MILE
 ELEV
 DEPTH
 SLOPE

7185 MIN
 3720 CRI
 1.1
 2222.8
 8.6
 0.02725

*SECNO 7

GR C

3301 HV

1.
 2224.
 10.
 0.0072

L03

3301 HV CHANGED MORE THAN HVINS

BIG CREEK		100 YR FLOOD			02/14/81		TOPWID	
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	BANK ELEV	
ELEV	CRISW	ALOB	ACH	AROB	DHV	IDC		
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	QLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2192.52	2187.44	0.00	1256.	1768.	184.	184.	2184.30

ELTRD
2185.70

0.82	3005.	10.	2660.	336.	0.97	3	139.	
2187.22	0.0	11.	317.	257.	-0.58	0	2182.60	
10.62	0.0	0.87	8.39	1.31	0.75	2188.19	2180.00	
0.002977	0.054	0.130	0.040	0.130	0.0	-0.00	95.24	
	2176.60	23.	23.	23.	23.	116.	234.27	44.

*SECNO .820

GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

BIG CREEK		100 YR FLOOD			02/14/81		TOPWID	
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	BANK ELEV	
ELEV	CRISW	ALOB	ACH	AROB	DHV	IDC		
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	QLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

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

0.82	3005.	2.	2854.	149.	2.49	20	81.	
2186.92	2186.92	2.	220.	60.	1.52	15	2185.00	
7.92	0.0	1.12	12.98	2.48	0.06	2189.41	2182.40	
0.018151	0.054	0.140	0.050	0.130	0.76	-0.00	98.02	
	2179.00	10.	10.	10.	20.	61.	179.18	44.

*SECNO 1.130

1.13	2915.	501.	2411.	3.	2.13	11	67.	
2221.34	2221.05	114.	190.	2.	-0.36	15	2215.00	
7.14	0.0	4.39	12.71	1.16	34.02	2223.47	2220.30	
0.025215	0.056	0.130	0.060	0.130	0.04	-0.00	52.31	
	2214.20	1605.	1605.	1605.	48.	20.	119.58	55.

*SECNO 1.130

GR CARDS REPEATED

SPECIAL BR

SB HK
1.25
ELCHU
2214.00

*SECNO 1.1

GR CARDS REPEATED
6870 D.S.
PRESSURE /

EGPRS
2249.30

ELTRD
2220.10

1.13
2224.37
10.17
0.007198

*SECNO 1.

GR CARDS REPEATED

3301 HV

BIG
MILE
ELEV
DEPTH
SLOPE

1.1
2225.1
10.9
0.00762

*SECNO 1

3301 HV

BIG
MILE
ELEV
DEPT
SLOP

3685 20
3693 PR

M03

MO3

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

1.13	2915.	414.	2490.	12.	1.60	2	77.
2222.61	0.0	158.	228.	12.	-0.52	0	2215.00
8.41	0.0	2.62	10.94	1.00	0.69	2224.21	2220.30
0.006512	0.056	0.130	0.040	0.130	0.05	-0.00	48.46
	2214.20	60.	60.	60.	52.	28.	128.08
							55.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	29.00	0.40	143.00	0.0
	ELCHU	ELCHD						
	2214.00	2214.00						

*SECNO 1.130

GR CARDS REPEATED PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	EILC
2232.93	2224.34	0.14	1715.	1208.	143.	143.	2219.00
ELTRD							
2220.10							

1.13	2915.	427.	2471.	17.	1.43	3	86.
2222.95	0.0	171.	238.	17.	-0.17	0	2215.00
8.75	0.0	2.50	10.37	0.98	0.17	2224.38	2220.30
0.005518	0.055	0.130	0.040	0.130	0.0	-0.00	47.40
	2214.20	12.	12.	12.	53.	33.	133.39
							55.

*SECNO 1.130

GR CARDS REPEATED BIG CREEK

100 YR FLOOD 02/14/81

MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID
ELEV	CRISW	ALOB	ACH	AROB	DHV	IDC	BANK ELEV
DEPTH	WSELK	VL OB	VCH	VROB	HL	EG	LEFT/RIGHT
SLOPE	WTN	XNL	XNCH	XNR	QLOSS	CORAR	SSTA
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST
							VOL
1.13	2915.	498.	2388.	29.	1.19	2	92.
2223.30	0.0	184.	249.	24.	-0.24	0	2215.00
9.10	0.0	2.70	9.60	1.19	0.09	2224.49	2220.30
0.006967	0.055	0.140	0.050	0.130	0.02	-0.00	46.32
	2214.20	15.	15.	15.	54.	39.	138.74
							55.

*SECNO 1.410

3265 DIVIDED FLOW

3720 CRI
1.4
2264.7
9.0
0.01341

*SECNO 1
GR C
3301 HV

1.4
2265.
10.
0.0056

SPECIAL
SB
ELCH
2255.

*SECNO
GR
6870 D
PRESSU

EG
2350
EL
2259

1
2265
10
0.005

*SECNO
3301 I

226
0.011

A04

3301 HV CHANGED MORE THAN HVINS

BIG CREEK		100 YR FLOOD			02/14/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRWS	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	XL OBL	XLCH	XL OBR	WSDL	WSDR	ENDST	VOL

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

1.41	2820.	283.	2178.	359.	2.04	20	155.	
2263.14	2263.14	88.	169.	100.	0.85	12	2256.80	
7.44	0.0	3.22	12.91	3.57	13.91	2265.18	2256.30	
0.014865	0.054	0.120	0.040	0.120	0.42	-0.00	76.91	
	2255.70	1425.	1425.	1425.	99.	56.	231.95	69.

*SECNO 1.410

GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

1.41	2820.	375.	2078.	366.	1.22	3	162.	
2264.50	0.0	207.	203.	164.	-0.82	0	2256.80	
8.80	0.0	1.81	10.25	2.23	0.46	2265.72	2256.30	
0.004699	0.054	0.120	0.040	0.120	0.08	-0.00	73.71	
	2255.70	60.	60.	60.	102.	61.	236.16	69.

SPECIAL BRIDGE

5227 DOWNSTREAM ELEV IS 2263.73 NOT 2264.50
 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	19.00	0.25	75.00	0.0
	ELCHU	ELCHD						
	2255.70	2255.70						

*SECNO 1.410

GR CARDS REPEATED

6870 D.S. ENERGY OF 2265.72 HIGHER THAN COMPUTED ENERGY OF 2265.40
 PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2299.63	2266.97	0.0	2355.	451.	75.	75.	2259.70

ELTRD
 2259.70

1.41	2820.	378.	2075.	367.	1.21	3	163.	
2264.52	0.0	209.	203.	165.	-0.01	0	2256.80	
8.82	0.0	1.81	10.20	2.22	0.0	2265.72	2256.30	

B04

0.004636	0.054	0.120	0.040	0.120	0.0	-0.00	73.65	
					102.	61.	236.21	70.

CCHV= [

*SECNO 1.

BIG (

MILE

ELEV

DEPTH

SLOPE

1.5

2273.7

7.7

0.01931

BD4

0.004636 0.054 0.120 0.040 0.120 0.0 -0.00 73.65
 2255.70 15. 13. 13. 102. 61. 236.21 70.

*SECNO 1.410

1.41 2820. 522. 1845. 453. 1.03 2 164.
 2264.81 0.0 231. 186. 175. -0.17 0 2257.80
 8.11 0.0 2.26 9.93 2.59 0.10 2265.84 2257.30
 0.011164 0.054 0.150 0.060 0.160 0.02 -0.00 72.70
 2256.70 15. 15. 15. 103. 61. 236.74 70.

CCHV= 0.100 CEHV= 0.800

*SECNO 1.520

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

BIG CREEK		100 YR FLOOD			02/14/01		TOPWID	
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	BANK ELEV	
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC	LEFT/RIGHT	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	SSTA	
SLOPE	WTN	XNL	XNCH	XNR	LOSS	CORAR	SSTA	
	ELMIN	XLQBL	XLCH	XLQBR	WSL	WSDR	ENDST	VOL
1.52	2780.	28.	2748.	3.	1.66	7	87.	
2272.34	2271.54	17.	265.	3.	0.62	15	2267.80	
6.34	0.0	1.68	10.39	0.95	7.65	2273.99	2268.00	
0.018657	0.055	0.120	0.060	0.150	0.50	-0.00	45.99	
	2266.00	540.	540.	540.	84.	28.	157.38	75.

 HEC2 RI
 ERROR
 MODIFI

NOTE- AS
 INDICATE
 BIG CREE
 SUMMARY

SI

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CD4

CD4

THIS RUN EXECUTED 02/14/81 9:57:19

HEC2 RELEASE DATED NOV 76 UPDATED JULY 1979
ERROR CORR - 01,02,03
MODIFICATION - 50,51,52,53,54

T1 YANCEY COUNTY 1150
T2 500 YR FLOOD 1155
T3 BIG CREEK 1160

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ	
	0.	5.	0.	0.	0.02254	0.	0.0	0.	0.0	0.0	1165
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE	
	15.	0.	-1.	0.	0.	0.0	0.0	0.	0.	0.	1170

DD4

D04

*PROF 4

CCHV= 0.100 CEHV= 0.500

*SECNO .040

2096 WSEL NOT GIVEN,AVG OF MAX,MIN USED

BIG CREEK

500 YR FLOOD

02/14/81

MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRISW	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CRAR	SSTA	
	ELMIN	XL0BL	XLCH	XL0BR	WSDL	WSDR	ENDST	VOL
0.04	5010.	57.	4911.	41.	2.98	0	86.	
2101.84	2101.56	30.	351.	18.	0.50	12	2099.20	
9.54	0.0	1.92	13.98	2.30	0.0	2104.82	2097.50	
0.022501	0.0	0.110	0.060	0.150	0.0	-0.00	154.11	
	2092.30	0.	0.	0.	55.	31.	240.27	0.

*SECNO .040

3301 HV CHANGED MORE THAN HVINS

0.04	5010.	200.	4559.	250.	2.26	4	161.	
2103.27	2101.88	141.	361.	86.	-0.72	5	2099.20	
10.97	0.0	1.42	12.63	2.91	0.64	2105.53	2093.90	
0.006182	0.039	0.110	0.040	0.120	0.07	-0.00	81.87	
	2092.30	60.	60.	60.	124.	37.	242.98	1.

SPECIAL BRIDGE

SB	HK	XKOR	COFG	ROLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	30.00	0.01	305.00	0.43
	ELCHU	ELCHD						
	2092.30	2092.30						

*SECNO .040

GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC	
2109.97	2106.26	0.00	1352.	3642.	305.	305.	2101.30	
	ELTRD							
	2103.40							
0.04	5010.	654.	4070.	286.	1.01	3	173.	
2105.80	0.0	419.	457.	136.	-1.25	0	2099.20	
13.50	0.0	1.56	8.90	2.10	1.28	2106.81	2093.90	
0.002239	0.039	0.110	0.040	0.120	0.0	-0.00	72.87	
	2092.30	13.	13.	13.	133.	40.	246.31	1.

E04

ED4

*SECNO .040									
0.04	5010.	934.	3935.	140.	0.64	2	176.		
2106.25	0.0	467.	550.	71.	-0.37	0	2099.20		
13.95	0.0	2.00	7.16	1.98	0.04	2106.88	2097.50		
0.003246	0.042	0.110	0.060	0.120	0.04	-0.00	71.27		
	2092.30	15.	15.	15.	138.	37.	246.83		1.

CCHV= 0.100 CEHV= 0.800

*SECNO .240

GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

BIG CREEK		500 YR FLOOD			02/14/81				
Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID			
CRISWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV			
WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT			
WLN	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

0.24	4925.	20.	4872.	33.	3.34	20	75.		
2125.17	2125.17	16.	330.	14.	2.70	14	2123.00		
9.07	0.0	1.29	14.75	2.34	7.61	2128.51	2121.30		
0.027198	0.059	0.150	0.060	0.150	2.16	-0.00	164.28		
	2116.10	1070.	1070.	1070.	45.	30.	239.37		19.

*SECNO .250

GR CARDS REPEATED

BIG CREEK		500 YR FLOOD			02/14/81				
Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID			
CRISWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV			
WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT			
WLN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA			
ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST			VOL

7185 MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

0.25	4920.	20.	4867.	33.	3.35	2	75.		
2129.06	2129.06	15.	330.	14.	0.00	5	2126.90		
9.06	0.0	1.28	14.76	2.34	1.36	2132.41	2125.20		
0.027266	0.059	0.150	0.060	0.150	0.00	-0.00	164.44		
	2120.00	50.	50.	50.	45.	30.	239.36		19.

CCHV= 0.100 CEHV= 0.500

*SECNO .340

3301 HV CHANGED MORE THAN HVINS

0.34	4880.	1120.	2417.	1344.	0.72	3	282.		
2137.28	0.0	290.	265.	614.	-2.62	0	2132.00		
8.88	0.0	3.85	9.17	2.19	5.33	2138.00	2132.60		

FD4

0.006782	0.056	0.090	0.050	0.130	0.26	-0.00	169.15		
					80.	202.	451.34		27.

F04

0.006782 0.056 0.090 0.050 0.130 0.26 -0.00 169.15
 2128.40 440. 440. 440. 80. 202. 451.34 27.

*SECNO .340

0.34 4880. 1067. 2523. 1290. 0.95 2 283.
 2137.40 0.0 310. 240. 654. 0.22 0 2131.30
 9.00 0.0 3.44 10.52 1.97 0.24 2138.35 2131.20
 0.005214 0.056 0.090 0.040 0.130 0.11 -0.00 168.89
 2128.40 40. 40. 40. 80. 203. 452.22 28.

SPECIAL BRIDGE

5227 DOWNSTREAM ELEV IS 2137.01 NOT 2137.40
 HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

SB HK XKOR COFO RDLEN BWC BWP BAREA SS
 1.25 1.60 3.00 0.0 30.00 0.30 172.00 0.0
 ELCHU ELCHD
 2128.40 2128.40

*SECNO .340

GR CARDS REPEATED
 PRESSURE AND WEIR FLOW

EGPRS EGLWC H3 QWEIR QPR BAREA TAREA ELLC
 2157.40 2139.88 0.0 3570. 1339. 172. 172. 2134.20

ELTRD
 2134.30

0.34 4880. 1092. 2346. 1442. 0.63 3 291.
 2138.28 0.0 368. 266. 821. -0.32 0 2131.30
 9.88 0.0 2.97 8.82 1.76 0.56 2138.91 2131.20
 0.003193 0.056 0.090 0.040 0.130 0.0 -0.00 167.09
 2128.40 12. 12. 12. 82. 209. 458.30 29.

*SECNO .340

BIG CREEK 500 YR FLOOD 02/14/81
 MILE Q QLOB QCH GROB HV ITRIAL TOPWID
 ELEV CRIWS ALOB ACH ARCB DHV IDC BANK ELEV
 DEPTH WSELK VLOB VCH VROB HL EG LEFT/RIGHT
 SLOPE WTN XNL XNCH XNR OLOSS CORAR SSTA
 ELMIN XLOBL XLCH XLOBR WSDL WSDR ENDST VOL

0.34 4880. 1112. 2224. 1545. 0.61 1 281.
 2138.34 0.0 281. 258. 586. -0.01 0 2133.20
 8.74 0.0 3.96 8.62 2.64 0.05 2138.96 2133.80
 0.007440 0.056 0.090 0.055 0.110 0.00 -0.00 169.47
 2129.60 10. 10. 10. 80. 201. 450.27 29.

CCHV= 0.100 CEHV= 0.800

*SECNO .400

604

3301 HV CHANGED MORE THAN HVINS

0.40	4855.	8.	3545.	1302.	1.35	2	239.
2140.76	0.0	5.	329.	496.	0.73	0	2138.30
7.76	0.0	1.65	10.79	2.63	2.57	2142.11	2137.90
0.016769	0.056	0.120	0.060	0.150	0.59	-0.00	57.16
	2133.00	240.	240.	240.	29.	210.	296.09
							34.

CCHV= 0.100 CEHV= 0.500

*SECNO .400

3301 HV CHANGED MORE THAN HVINS

BIG CREEK		500 YR FLOOD			02/14/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRWS	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 OVBANK AREA ASSLMED NON-EFFECTIVE,ELLEA= 2143.80 ELREA= 2138.50

0.40	4855.	0.	2628.	2227.	2.04	20	232.
2142.06	2142.06	0.	171.	785.	0.69	11	2133.50
9.06	0.0	0.0	15.36	2.84	0.87	2144.10	2135.30
0.012666	0.056	0.120	0.045	0.150	0.34	-0.00	85.00
	2133.00	60.	60.	60.	10.	222.	316.90
							36.

*SECNO .400

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3370 NORMAL BRIDGE,NRD= 4 MIN ELTRD= 2144.10 MAX ELIC= 2143.10

0.40	4855.	0.	856.	3999.	0.45	13	231.
2143.82	2142.29	0.	162.	745.	-1.59	6	2144.30
10.82	0.0	0.0	5.29	5.37	0.01	2144.26	2144.20
0.005134	0.056	0.050	0.035	0.050	0.16	-24.38	85.00
	2133.00	1.	1.	1.	10.	223.	318.41
							36.

*SECNO .400

GR CARDS REPEATED .

3265 DIVIDED FLOW

3370 NORMAL BRIDGE,NRD= 4 MIN ELTRD= 2144.10 MAX ELIC= 2143.10

H04

BIG CREEK
SUMMARY I

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H04

0.40	4855.	0.	831.	4024.	0.43	2	233.	
2143.91	0.0	0.	162.	764.	-0.02	0	2144.30	
10.91	0.0	0.0	5.14	5.27	0.07	2144.33	2144.20	
0.004836	0.056	0.050	0.035	0.050	0.00	-26.16	85.00	
	2133.00	14.	14.	14.	10.	225.	319.88	36.

*SECNO .400

BIG CREEK

MILE	Q	QLOB	500 YR FLOOD QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELREA= 2144.30 ELREA= 2139.00

0.40	4855.	0.	2008.	2847.	0.66	2	260.	
2143.79	0.0	0.	206.	1177.	0.24	0	2133.50	
10.79	0.0	0.0	9.75	2.42	0.00	2144.46	2135.30	
0.003995	0.056	0.130	0.045	0.120	0.12	-0.00	85.00	
	2133.00	1.	1.	1.	10.	250.	344.89	36.

*SECNO .400

0.40	4855.	12.	3279.	1564.	0.74	2	263.	
2143.82	0.0	11.	398.	759.	0.07	0	2140.00	
9.12	0.0	1.03	8.25	2.06	0.06	2144.55	2139.60	
0.004276	0.055	0.130	0.045	0.120	0.04	-0.00	55.05	
	2134.70	15.	15.	15.	31.	231.	317.90	36.

*SECNO .570

3301 HV CHANGED MORE THAN HVINS

BIG CREEK

MILE	Q	QLOB	500 YR FLOOD QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

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

3720 CRITICAL DEPTH ASSUMED

0.57	4780.	218.	4166.	396.	2.20	20	202.	
2162.63	2162.63	75.	327.	216.	1.47	11	2157.50	
11.63	0.0	2.89	12.72	1.83	5.08	2164.83	2160.70	
0.009866	0.052	0.130	0.045	0.110	0.73	-0.00	55.44	
	2151.00	820.	820.	820.	39.	163.	257.37	53.

*SECNO .570

3301 HV CHANGED MORE THAN HVINS

0.57	4780.	342.	3717.	721.	0.76	4	209.	
2164.48	0.0	177.	472.	478.	-1.44	0	2153.80	

104

0.07	2.88	1.51	0.26	2165.24	2160.70
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104

16.18	0.0	1.93	7.88	1.51	0.26	2165.24	2160.70	
0.002481	0.052	0.130	0.045	0.110	0.14	-0.00	51.26	
	2148.30	60.	60.	60.	47.	162.	260.32	54.

*SECNO .570

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 2163.10 MAX ELLC= 2162.30

0.57	4780.	1.	2576.	2204.	0.54	2	188.	
2164.73	0.0	1.	377.	487.	-0.22	0	2164.50	
16.43	0.0	0.47	6.82	4.52	0.00	2165.26	2163.10	
0.006529	0.052	0.060	0.040	0.060	0.02	-102.80	72.55	
	2148.30	1.	1.	1.	26.	162.	260.99	54.

*SECNO .570

*** GR CARDS REPEATED

BIG CREEK		500 YR FLOOD			02/14/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRIS	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

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 2163.10 MAX ELLC= 2162.30

0.57	4780.	2.	2485.	2294.	0.50	2	194.	
2164.85	0.0	3.	378.	505.	-0.03	0	2164.50	
16.55	0.0	0.61	6.57	4.54	0.08	2165.35	2163.10	
0.006285	0.052	0.060	0.040	0.060	0.00	-106.15	67.37	
	2148.30	13.	13.	13.	31.	163.	261.20	55.

*SECNO .570

3265 DIVIDED FLOW

0.57	4780.	499.	3622.	659.	0.68	2	217.	
2164.76	0.0	187.	481.	519.	0.18	0	2153.80	
16.46	0.0	2.68	7.53	1.27	0.00	2165.44	2160.70	
0.002206	0.052	0.090	0.045	0.130	0.09	-0.00	9.73	
	2148.30	1.	1.	1.	89.	162.	260.77	55.

*SECNO .570

3265 DIVIDED FLOW

0.57	4780.	405.	3483.	892.	1.04	2	213.	
2164.63	0.0	118.	368.	508.	0.36	0	2157.50	
11.43	0.0	3.44	9.46	1.76	0.05	2165.67	2160.70	
0.004415	0.052	0.090	0.045	0.130	0.18	-0.00	9.87	
	2153.20	15.	15.	15.	84.	167.	260.56	55.

*SECNO .820

104

3301 HV CHANGED MORE THAN HVINS.

02/14/81

J04

3301 HV CHANGED MORE THAN HVINS.

BIG CREEK		500 YR FLOOD			02/14/81		TOPWID		
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	BANK ELEV		
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC	LEFT/RIGHT		
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	SSTA		
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	ENDST		
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR			VOL

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

0.82	4670.	15.	4077.	578.	2.75	20	125.		
2185.40	2185.40	7.	287.	180.	1.71	11	2182.60		
9.80	0.0	2.08	14.19	3.21	9.66	2189.14	2180.00		
0.021851	0.054	0.130	0.060	0.130	0.86	-0.00	96.09		
	2176.60	1160.	1160.	1160.	22.	103.	220.63		75.

*SECNO .820

*GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

0.82	4670.	16.	4080.	574.	2.11	3	140.		
2187.53	0.0	12.	328.	287.	-0.64	0	2182.60		
10.93	0.0	1.32	12.44	2.00	0.42	2189.63	2180.00		
0.02254	0.054	0.130	0.040	0.130	0.06	-0.00	94.93		
	2176.60	40.	40.	40.	23.	117.	234.64		75.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	21.60	0.01	184.00	0.30
	ELCHU	ELCHD						
	2176.60	2176.60						

*SECNO .820

*GR CARDS REPEATED

BIG CREEK		500 YR FLOOD			02/14/81		TOPWID		
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	BANK ELEV		
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC	LEFT/RIGHT		
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	SSTA		
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	ENDST		
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR			VOL

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2203.53	2189.64	0.01	2899.	1785.	184.	184.	2184.30
	ELTRD						
	2185.70						

0.82	4670.	20.	3974.	676.	1.70	4	141.
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K04

2188.16	0.0	16.	351.	350.	-0.40	0	2182.60
11.56	0.0	1.25	11.33	1.93	0.23	2189.86	2180.00
					0.0	-0.00	94.28

K04

2188.16	0.0	16.	351.	350.	-0.40	0	2182.60		
17.56	0.0	1.25	11.33	1.93	0.23	2189.86	2180.00		
0.004739	0.054	0.130	0.040	0.130	0.0	-0.00	94.28		
	2176.60	23.	23.	23.	24.	117.	235.41	75.	

*SECNO 820

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

BIG CREEK 500 YR FLOOD 02/14/81

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	XL OBL	XL CH	XL OBR	WSDL	WSDR	ENDST	VOL	

3685 2D TRIALS ATTEMPTED WSEL CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

0.82	4670.	13.	4156.	501.	2.86	20	126.		
2188.85	2188.85	8.	289.	185.	1.16	11	2185.00		
9.85	0.0	1.63	14.36	2.71	0.08	2191.72	2182.40		
0.015382	0.054	0.140	0.050	0.130	0.58	-0.00	96.03		
	2179.00	10.	10.	10.	22.	104.	221.94	76.	

*SECNO 1.130
 BIG CREEK

500 YR FLOOD 02/14/81

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	XL OBL	XL CH	XL OBR	WSDL	WSDR	ENDST	VOL	

7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

1.13	4530.	918.	3580.	32.	2.94	13	84.		
2222.85	2222.85	167.	235.	15.	0.08	15	2215.00		
8.65	0.0	5.50	15.23	2.12	32.06	2225.79	2220.30		
0.027255	0.056	0.130	0.060	0.130	0.04	-0.00	47.72		
	2214.20	1605.	1605.	1605.	52.	32.	131.79	92.	

*SECNO 1.130

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

1.13	4530.	736.	3709.	85.	2.25	2	112.		
2224.37	0.0	227.	281.	58.	-0.69	0	2215.00		
10.17	0.0	3.24	13.22	1.46	0.75	2226.62	2220.30		
0.007207	0.056	0.130	0.040	0.130	0.07	-0.00	43.10		
	2214.20	60.	60.	60.	57.	55.	154.81	93.	

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L04

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	29.00	0.40	143.00	0.0
	ELCHU	ELCHD						
	2214.00	2214.00						

*SECNO 1.130

GR CARDS REPEATED
6870 D.S. ENERGY OF 2226.62 HIGHER THAN COMPUTED ENERGY OF 2226.10
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELIC
2249.30	2226.84	0.22	3337.	1195.	143.	143.	2219.00
ELTRD							
2220.10							
1.13	4530.	736.	3709.	85.	2.25	4	112.
2224.37	0.0	227.	281.	58.	-0.00	0	2215.00
10.17	0.0	3.24	13.22	1.46	0.0	2226.62	2220.30
0.007198	0.055	0.130	0.040	0.130	0.0	-0.00	43.09
	2214.20	12.	12.	12.	57.	55.	154.86
							93.

*SECNO 1.130

GR CARDS REPEATED
3301 HV CHANGED MORE THAN HVINS

BIG CREEK		500 YR FLOOD				02/14/81		
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRISW	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL
1.13	4530.	870.	3500.	160.	1.62	3	134.	
2225.17	0.0	268.	305.	95.	-0.63	0	2215.00	
10.97	0.0	3.25	11.47	1.69	0.11	2226.79	2220.30	
0.007628	0.055	0.140	0.050	0.130	0.06	-0.00	33.24	
	2214.20	15.	15.	15.	67.	67.	166.94	93.

*SECNO 1.410

3301 HV CHANGED MORE THAN HVINS

BIG CREEK		500 YR FLOOD				02/14/81		
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRISW	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

20 TRIALS

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MD4

M04

3720 CRITICAL DEPTH ASSUMED

1.41	4375.	730.	2961.	684.	2.17	20	164.	
2264.76	2264.76	230.	209.	177.	0.55	15	2256.80	
9.06	0.0	3.17	14.15	3.87	14.06	2266.93	2256.30	
0.013417	0.054	0.120	0.050	0.120	0.27	-0.00	73.10	
	2255.70	1425.	1425.	1425.	102.	61.	236.63	114.

*SECNO 1.410

GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

1.41	4375.	788.	2943.	644.	1.66	2	189.	
2265.82	0.0	337.	236.	230.	-0.51	0	2256.80	
10.12	0.0	2.34	12.47	2.80	0.50	2267.48	2256.30	
0.005685	0.054	0.120	0.040	0.120	0.05	-0.00	49.46	
	2255.70	60.	60.	60.	126.	63.	238.56	115.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	19.00	0.25	75.00	0.0
	ELCHU	ELCHD						
	2255.70	2255.70						

*SECNO 1.410

GR CARDS REPEATED

6870 D.S. ENERGY OF 2267.48 HIGHER THAN COMPUTED ENERGY OF 2266.80
 PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2350.36	2267.60	0.12	3914.	471.	75.	75.	2259.70
ELTRD							
2259.70							

1.41	4375.	784.	2948.	642.	1.68	4	188.	
2265.80	0.0	334.	235.	228.	0.02	0	2256.80	
10.10	0.0	2.35	12.53	2.81	0.0	2267.48	2256.30	
0.005758	0.054	0.120	0.040	0.120	0.0	-0.00	50.29	
	2255.70	13.	13.	13.	125.	63.	238.51	115.

*SECNO 1.410

3301 HV CHANGED MORE THAN HVINS

1.41	4375.	1102.	2499.	774.	1.11	4	197.	
2266.53	0.0	416.	229.	261.	-0.56	0	2257.80	
9.83	0.0	2.65	10.93	2.96	0.11	2267.65	2257.30	
0.010251	0.054	0.150	0.060	0.160	0.06	-0.00	42.35	
	2256.70	15.	15.	15.	133.	64.	239.83	116.

CAUTION
20 TRIALS

CAUTION

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20 TRIAL

CAUTION

A05

CCHV= 0.100 CEHV= 0.800
*SECNO 1.520

3301 HV CHANGED MORE THAN HVINS

BIG CREEK		500 YR FLOOD			02/14/81		TOPWID	
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	BANK ELEV	
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC	LEFT/RIGHT	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	SSTA	
SLOPE	WTN	XNL	XNCH	XNR	QLOSS	CCRAR	ENDST	VOL
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR		
1.52	4315.	221.	4078.	16.	2.22	5	119.	
2273.71	2273.54	96.	332.	11.	1.11	15	2267.80	
7.71	0.0	2.31	12.29	1.40	7.39	2275.93	2268.00	
0.019308	0.055	0.120	0.060	0.150	0.89	-0.00	42.78	
	2266.00	540.	540.	540.	87.	32.	161.83	124.

50

MILE

0.040

0.040

0.240

0.250

0.340

0.340

0.400

0.400

0.570

0.570

0.820

0.820

1.130

1.130

1.410

1.410

1.520

..

B05

THIS RUN EXECUTED 02/14/81 9:57:25

HEC2 RELEASE DATED NOV 76 UPDATED JULY 1979
 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/

BIG CREEK

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	TOK*S	VCH	AREA	.DTK
0.040	0.	0.0	0.0	2092.3	1495.0	2097.75	0.0	2098.97	225.23	8.87	168.57	99.62
0.040	0.	0.0	0.0	2092.3	2615.0	2099.37	0.0	2101.20	225.11	10.86	213.77	174.29
0.040	0.	0.0	0.0	2092.3	3220.0	2100.10	0.0	2102.24	222.52	11.75	279.94	215.86
0.040	0.	0.0	0.0	2092.3	5010.0	2101.84	2101.56	2104.82	225.01	13.98	399.19	333.99
0.040	60.	0.0	0.0	2092.3	1495.0	2098.60	0.0	2099.62	60.69	8.12	184.11	191.91
0.040	60.	0.0	0.0	2092.3	2615.0	2100.13	0.0	2101.94	77.38	10.81	241.81	297.27
0.040	60.	0.0	0.0	2092.3	3220.0	2100.82	0.0	2103.06	83.23	12.01	268.05	352.95
0.040	60.	0.0	0.0	2092.3	5010.0	2103.27	2101.88	2105.53	61.82	12.63	588.19	637.20
0.040	13.	2103.4	2101.3	2092.3	1495.0	2098.60	0.0	2099.62	60.91	8.13	183.89	191.55
0.040	13.	2103.4	2101.3	2092.3	2615.0	2100.15	0.0	2101.95	76.40	10.77	242.74	299.17
0.040	13.	2103.4	2101.3	2092.3	3220.0	2101.90	0.0	2103.58	51.72	10.41	309.17	447.74
0.040	13.	2103.4	2101.3	2092.3	5010.0	2105.80	0.0	2106.81	22.39	8.90	1012.81	1058.83
0.040	15.	0.0	0.0	2092.3	1495.0	2099.10	0.0	2099.77	87.16	6.54	230.67	160.14
0.040	15.	0.0	0.0	2092.3	2615.0	2101.15	0.0	2102.15	84.90	8.07	343.83	283.80
0.040	15.	0.0	0.0	2092.3	3220.0	2102.87	0.0	2103.75	57.43	7.68	523.48	424.91
0.040	15.	0.0	0.0	2092.3	5010.0	2106.25	0.0	2106.88	32.46	7.16	1087.57	879.34
* 0.240	1070.	0.0	0.0	2116.1	1470.0	2120.86	2120.86	2122.58	384.95	10.54	139.51	74.92
* 0.240	1070.	0.0	0.0	2116.1	2570.0	2122.44	2122.44	2124.82	345.30	12.36	209.03	138.30
* 0.240	1070.	0.0	0.0	2116.1	3165.0	2123.18	2123.18	2125.85	328.11	13.12	244.16	174.73
* 0.240	1070.	0.0	0.0	2116.1	4925.0	2125.17	2125.17	2128.51	271.98	14.75	360.07	298.63
* 0.250	50.	0.0	0.0	2120.0	1470.0	2124.78	2124.78	2126.48	379.81	10.49	140.14	75.43
* 0.250	50.	0.0	0.0	2120.0	2570.0	2126.36	2126.36	2128.72	342.27	12.33	209.64	138.92
* 0.250	50.	0.0	0.0	2120.0	3160.0	2127.08	2127.08	2129.74	328.39	13.12	243.85	174.38
* 0.250	50.	0.0	0.0	2120.0	4920.0	2129.06	2129.06	2132.41	272.66	14.76	359.37	297.96
0.340	440.	0.0	0.0	2128.4	1460.0	2133.95	0.0	2134.73	108.95	7.87	314.18	139.88
0.340	440.	0.0	0.0	2128.4	2550.0	2135.19	0.0	2135.98	93.37	8.66	596.21	263.90
0.340	440.	0.0	0.0	2128.4	3135.0	2135.76	0.0	2136.53	85.06	8.84	748.63	339.91
0.340	440.	0.0	0.0	2128.4	4880.0	2137.28	0.0	2138.00	67.82	9.17	1167.75	592.58
0.340	40.	0.0	0.0	2128.4	1460.0	2134.20	0.0	2135.16	68.69	8.56	253.97	176.16
0.340	40.	0.0	0.0	2128.4	2550.0	2135.44	0.0	2136.31	57.47	9.15	664.01	336.37
0.340	40.	0.0	0.0	2128.4	3135.0	2135.96	0.0	2136.87	57.17	9.65	804.02	414.62
0.340	40.	0.0	0.0	2128.4	4880.0	2137.40	0.0	2138.35	52.14	10.52	1203.61	675.81

0.340 40. 0.0 0.0 2128.4 4880.0 2137.40 0.0 2138.35 52.14 10.24 120.01

005

005

D05

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K*5	VCH	AREA	.01K
0.340	12.	2134.3	2134.2	2128.4	1460.0	2134.94	0.0	2135.56	37.63	6.99	321.42	237.99
0.340	12.	2134.3	2134.2	2128.4	2550.0	2136.62	0.0	2137.01	23.53	6.60	983.66	525.67
* 0.340	12.	2134.3	2134.2	2128.4	3135.0	2137.10	0.0	2137.56	25.90	7.23	1118.59	616.04
* 0.340	12.	2134.3	2134.2	2128.4	4880.0	2138.28	0.0	2138.91	31.93	8.82	1454.20	863.67
* 0.340	10.	0.0	0.0	2129.6	1460.0	2134.88	2134.88	2135.83	173.06	8.62	264.33	110.98
0.340	10.	0.0	0.0	2129.6	2550.0	2136.57	0.0	2137.14	83.83	7.62	643.48	278.51
0.340	10.	0.0	0.0	2129.6	3135.0	2137.08	0.0	2137.66	79.56	7.87	781.13	351.48
0.340	10.	0.0	0.0	2129.6	4880.0	2138.34	0.0	2138.96	74.40	8.62	1124.52	565.77
0.400	240.	0.0	0.0	2133.0	1450.0	2138.46	0.0	2139.04	104.13	6.34	327.45	142.09
0.400	240.	0.0	0.0	2133.0	2535.0	2139.18	0.0	2140.20	159.54	8.72	472.88	200.70
0.400	240.	0.0	0.0	2133.0	3120.0	2139.63	0.0	2140.75	164.14	9.38	568.10	243.53
0.400	240.	0.0	0.0	2133.0	4855.0	2140.76	0.0	2142.11	167.69	10.79	828.95	374.92
* 0.400	60.	0.0	0.0	2133.0	1450.0	2139.17	2139.17	2140.40	93.90	10.04	352.96	149.64
* 0.400	60.	0.0	0.0	2133.0	2535.0	2140.35	2140.35	2141.88	107.17	12.17	582.69	244.87
* 0.400	60.	0.0	0.0	2133.0	3120.0	2140.84	2140.84	2142.52	113.21	13.11	686.26	293.24
* 0.400	60.	0.0	0.0	2133.0	4855.0	2142.06	2142.06	2144.10	126.66	15.36	956.07	431.40
* 0.400	1.	2144.1	2143.1	2133.0	1450.0	2140.37	2140.37	2141.12	93.81	8.21	260.88	149.70
* 0.400	1.	2144.1	2143.1	2133.0	2535.0	2141.17	2141.17	2142.05	116.15	9.47	390.20	235.22
0.400	1.	2144.1	2143.1	2133.0	3120.0	2142.06	2141.42	2142.64	72.96	7.75	552.60	365.28
0.400	1.	2144.1	2143.1	2133.0	4855.0	2143.82	2142.29	2144.26	51.34	5.29	906.45	677.60
0.400	14.	2144.1	2143.1	2133.0	1450.0	2140.82	0.0	2141.25	55.89	6.47	331.52	193.95
0.400	14.	2144.1	2143.1	2133.0	2535.0	2141.68	0.0	2142.21	68.77	7.43	481.31	305.68
0.400	14.	2144.1	2143.1	2133.0	3120.0	2142.26	0.0	2142.74	62.33	6.93	593.16	395.18
0.400	14.	2144.1	2143.1	2133.0	4855.0	2143.91	0.0	2144.33	48.36	5.14	925.22	698.15
0.400	1.	0.0	0.0	2133.0	1450.0	2141.03	0.0	2141.27	17.80	5.29	726.52	343.68
0.400	1.	0.0	0.0	2133.0	2535.0	2141.72	0.0	2142.22	34.13	7.76	879.98	433.91
0.400	1.	0.0	0.0	2133.0	3120.0	2142.22	0.0	2142.79	38.19	8.54	994.11	504.90
0.400	1.	0.0	0.0	2133.0	4855.0	2143.79	0.0	2144.46	39.95	9.75	1382.84	768.15
0.400	15.	0.0	0.0	2134.7	1450.0	2141.03	0.0	2141.34	26.30	4.82	503.71	282.76
0.400	15.	0.0	0.0	2134.7	2535.0	2141.74	0.0	2142.33	45.05	6.88	659.16	377.69
0.400	15.	0.0	0.0	2134.7	3120.0	2142.24	0.0	2142.90	47.23	7.45	774.69	453.98
0.400	15.	0.0	0.0	2134.7	4855.0	2143.82	0.0	2144.55	42.76	8.25	1168.12	742.46
* 0.570	820.	0.0	0.0	2151.0	1430.0	2157.03	2157.03	2159.04	217.48	11.37	125.72	96.97
* 0.570	820.	0.0	0.0	2151.0	2500.0	2159.06	2159.06	2161.57	180.51	12.77	208.42	186.07
* 0.570	820.	0.0	0.0	2151.0	3070.0	2159.92	2159.92	2162.64	171.94	13.38	252.20	234.13
* 0.570	820.	0.0	0.0	2151.0	4780.0	2162.63	2162.63	2164.83	98.66	12.72	618.63	481.23
0.570	60.	0.0	0.0	2148.3	1430.0	2159.09	0.0	2159.45	16.93	4.86	293.96	347.50
0.570	60.	0.0	0.0	2148.3	2500.0	2161.38	0.0	2162.07	24.89	6.71	420.01	501.11
0.570	60.	0.0	0.0	2148.3	3070.0	2162.39	0.0	2163.16	25.94	7.25	579.86	602.78
0.570	60.	0.0	0.0	2148.3	4780.0	2164.48	0.0	2165.24	24.81	7.88	1126.31	959.72
0.570	1.	2163.1	2162.3	2148.3	1430.0	2159.09	0.0	2159.46	21.75	4.85	294.55	306.59
0.570	1.	2163.1	2162.3	2148.3	2500.0	2161.38	0.0	2162.08	44.87	6.73	399.92	373.22
0.570	1.	2163.1	2162.3	2148.3	3070.0	2162.48	0.0	2163.17	66.86	7.09	542.69	375.44
0.570	1.	2163.1	2162.3	2148.3	4780.0	2164.73	0.0	2165.26	65.29	6.82	866.00	591.57

E05

SECNO	XLCH	ELTRD	ELIC	ELMIN	Q	CWSEL	CRIMS	EG	10K'S	VCH	AREA	.DTK
0.570	13.	2163.1	2162.3	2148.3	1430.0	2159.12	0.0	2159.48	21.65	4.85	295.09	307.32
0.570	13.	2163.1	2162.3	2148.3	2500.0	2161.45	0.0	2162.14	45.21	6.09	406.99	371.82
0.570	13.	2163.1	2162.3	2148.3	3070.0	2162.61	0.0	2163.26	63.92	6.93	560.83	383.98
0.570	13.	2163.1	2162.3	2148.3	4780.0	2164.85	0.0	2165.35	62.85	6.57	886.21	602.95
0.570	1.	0.0	0.0	2148.3	1430.0	2159.12	0.0	2159.49	16.74	4.85	295.08	349.52
0.570	1.	0.0	0.0	2148.3	2500.0	2161.46	0.0	2162.14	24.34	6.66	430.30	506.70
0.570	1.	0.0	0.0	2148.3	3070.0	2162.57	0.0	2163.32	24.65	7.14	611.64	678.39
0.570	1.	0.0	0.0	2148.3	4780.0	2164.76	0.0	2165.44	22.06	7.53	1186.86	1017.81
0.570	15.	0.0	0.0	2153.2	1430.0	2158.59	2158.26	2160.13	152.44	9.99	149.74	115.82
0.570	15.	0.0	0.0	2153.2	2500.0	2161.75	2160.03	2162.57	87.48	9.90	314.01	267.29
0.570	15.	0.0	0.0	2153.2	3070.0	2162.41	0.0	2163.58	60.15	9.29	540.33	395.85
0.570	15.	0.0	0.0	2153.2	4780.0	2164.63	0.0	2165.67	44.15	9.46	993.66	719.21
0.820	1160.	0.0	0.0	2176.6	1400.0	2182.21	2181.99	2183.76	288.16	10.07	147.60	82.47
0.820	1160.	0.0	0.0	2176.6	2440.0	2183.69	2183.69	2185.97	287.15	12.35	222.60	143.99
0.820	1160.	0.0	0.0	2176.6	3005.0	2184.54	2184.54	2186.94	252.36	12.79	283.92	189.16
0.820	1160.	0.0	0.0	2176.6	4670.0	2186.40	2186.40	2189.14	218.51	14.19	474.74	315.93
0.820	40.	0.0	0.0	2176.6	1400.0	2183.28	0.0	2184.27	59.67	8.00	175.10	181.24
0.820	40.	0.0	0.0	2176.6	2440.0	2185.17	0.0	2186.49	54.03	9.48	336.75	331.95
0.820	40.	0.0	0.0	2176.6	3005.0	2185.89	0.0	2187.44	36.34	10.35	409.60	400.34
0.820	40.	0.0	0.0	2176.6	4670.0	2187.53	0.0	2189.63	62.54	12.44	627.37	590.54
0.820	23.	2185.7	2184.3	2176.6	1400.0	2183.28	0.0	2184.27	59.66	8.00	175.11	181.25
0.820	23.	2185.7	2184.3	2176.6	2440.0	2186.57	0.0	2187.37	26.53	7.53	497.43	473.68
0.820	23.	2185.7	2184.3	2176.6	3005.0	2187.22	0.0	2188.19	29.77	8.39	584.87	550.74
0.820	23.	2185.7	2184.3	2176.6	4670.0	2188.16	0.0	2189.86	47.39	11.33	716.66	678.35
0.820	10.	0.0	0.0	2179.0	1400.0	2184.38	2184.38	2186.16	244.22	10.76	137.32	89.59
0.820	10.	0.0	0.0	2179.0	2440.0	2186.08	2186.08	2188.42	203.94	12.46	221.72	170.86
0.820	10.	0.0	0.0	2179.0	3005.0	2186.92	2186.92	2189.41	181.51	12.98	281.88	223.04
0.820	10.	0.0	0.0	2179.0	4670.0	2188.85	2188.85	2191.72	153.82	14.36	482.20	376.54
0.820	1605.	0.0	0.0	2214.2	1360.0	2219.50	0.0	2220.60	188.72	8.93	193.63	99.00
0.820	1605.	0.0	0.0	2214.2	2370.0	2220.87	0.0	2222.58	221.90	11.33	275.61	159.10
0.820	1605.	0.0	0.0	2214.2	2915.0	2221.34	2221.05	2223.47	252.15	12.71	306.21	183.57
0.820	1605.	0.0	0.0	2214.2	4530.0	2222.85	2222.85	2225.79	272.55	15.23	415.88	274.39
1.130	60.	0.0	0.0	2214.2	1360.0	2220.34	0.0	2221.16	50.89	7.64	243.07	190.64
1.130	60.	0.0	0.0	2214.2	2370.0	2221.91	0.0	2223.25	60.86	9.92	346.11	303.81
1.130	60.	0.0	0.0	2214.2	2915.0	2222.60	0.0	2224.21	65.12	10.94	397.15	361.23
1.130	60.	0.0	0.0	2214.2	4530.0	2224.37	0.0	2226.62	72.07	13.22	565.44	533.59
1.130	12.	2220.1	2219.0	2214.2	1360.0	2221.12	0.0	2221.71	31.27	6.55	291.42	243.23
1.130	12.	2220.1	2219.0	2214.2	2370.0	2222.52	0.0	2223.61	44.88	9.01	390.56	353.78
1.130	12.	2220.1	2219.0	2214.2	2915.0	2222.93	0.0	2224.38	55.18	10.37	425.86	392.40
1.130	12.	2220.1	2219.0	2214.2	4530.0	2224.37	0.0	2226.62	71.98	13.22	565.78	533.94
1.130	15.	0.0	0.0	2214.2	1360.0	2221.24	0.0	2221.77	43.92	6.29	299.07	205.20
1.130	15.	0.0	0.0	2214.2	2370.0	2222.75	0.0	2223.70	59.72	8.49	408.95	306.69
1.130	15.	0.0	0.0	2214.2	2915.0	2223.30	0.0	2224.49	69.67	9.60	457.32	349.22
1.130	15.	0.0	0.0	2214.2	4530.0	2225.17	0.0	2226.79	76.28	11.49	665.85	518.68

F05

ELTRD ELIC ELMIN Q CWSEL CRIMS EG 10K'S VCH AREA .DTK

F05

SECNO	XLCH	ELTRD	ELIC	ELMIN	Q	CWSEL	CRIMS	EG	TDK'S	VCH	AREA	.DTK
*	1.410	1425.	0.0	2255.7	1315.0	2260.35	2260.35	2262.03	228.25	11.21	158.51	87.04
*	1.410	1425.	0.0	2255.7	2290.0	2261.92	2261.92	2264.21	208.18	13.37	245.22	158.71
*	1.410	1425.	0.0	2255.7	2820.0	2263.14	2263.14	2265.18	148.65	12.91	357.19	231.30
**	1.410	1425.	0.0	2255.7	4375.0	2264.76	2264.76	2266.93	134.17	14.15	616.39	377.70
	1.410	60.	0.0	2255.7	1315.0	2261.79	0.0	2262.68	51.67	8.20	237.27	182.95
	1.410	60.	0.0	2255.7	2290.0	2263.66	0.0	2264.86	50.25	9.86	439.48	323.04
	1.410	60.	0.0	2255.7	2820.0	2264.50	0.0	2265.72	46.99	10.25	574.08	471.37
	1.410	60.	0.0	2255.7	4375.0	2265.82	0.0	2267.48	56.85	12.47	802.44	580.24
*	1.410	13.	2259.7	2255.7	1315.0	2262.60	0.0	2263.24	30.99	6.98	294.05	236.21
*	1.410	13.	2259.7	2255.7	2290.0	2263.67	0.0	2264.86	50.12	9.85	440.17	323.46
*	1.410	13.	2259.7	2255.7	2820.0	2264.52	0.0	2265.72	46.36	10.20	578.05	414.16
	1.410	13.	2259.7	2255.7	4375.0	2265.80	0.0	2267.48	57.58	12.53	797.53	576.57
	1.410	15.	0.0	2256.7	1315.0	2262.62	0.0	2263.37	109.77	7.80	260.62	125.51
	1.410	15.	0.0	2256.7	2290.0	2263.78	0.0	2264.99	146.72	10.30	423.25	189.06
	1.410	15.	0.0	2256.7	2820.0	2264.81	0.0	2265.84	111.64	9.93	591.52	266.89
	1.410	15.	0.0	2256.7	4375.0	2266.53	0.0	2267.65	102.51	10.93	905.66	432.10
	1.520	540.	0.0	2266.0	1300.0	2270.32	2269.71	2271.26	195.56	7.79	170.05	92.96
	1.520	540.	0.0	2266.0	2260.0	2271.97	0.0	2273.24	157.47	9.10	257.61	180.10
	1.520	540.	0.0	2266.0	2780.0	2272.34	2271.54	2273.99	186.57	10.39	284.99	203.53
	1.520	540.	0.0	2266.0	4315.0	2273.71	2273.54	2275.93	193.08	12.29	438.71	310.54

G05

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BIG CREEK
SUMMARY PRINTOUT TABLE 150

SECNO	Q	CMSEL	DIFMSP	DIFMSX	DIFKWS	TOPMID	XLCH
0.040	1495.	2097.7	0.0	0.0	0.0	43.53	0.0
0.040	2615.	2099.4	1.6	0.0	0.0	48.77	0.0
0.040	3220.	2100.1	0.7	0.0	0.0	50.96	0.0
0.040	5010.	2101.8	1.7	0.0	0.0	86.15	0.0
0.040	1495.	2098.6	0.0	0.8	0.0	37.20	60.00
0.040	2615.	2100.1	1.5	0.8	0.0	38.00	60.00
0.040	3220.	2100.8	0.7	0.7	0.0	38.00	60.00
0.040	5010.	2103.3	2.4	1.4	0.0	161.12	60.00
0.040	1495.	2098.6	0.0	0.0	0.0	37.20	13.00
0.040	2615.	2100.2	1.6	0.0	0.0	38.00	13.00
0.040	3220.	2101.9	1.7	1.1	0.0	38.00	13.00
0.040	5010.	2105.8	3.9	2.5	0.0	173.44	13.00
0.040	1495.	2099.1	0.0	0.5	0.0	47.93	15.00
0.040	2615.	2101.2	2.0	1.0	0.0	70.87	15.00
0.040	3220.	2102.9	1.7	1.0	0.0	159.04	15.00
0.040	5010.	2106.2	3.4	0.4	0.0	175.55	15.00
0.240	1470.	2120.9	0.0	21.8	0.0	41.40	1070.00
0.240	2570.	2122.4	1.6	21.3	0.0	46.44	1070.00
0.240	3165.	2123.2	0.7	20.3	0.0	48.79	1070.00
0.240	4925.	2125.2	2.0	18.9	0.0	75.09	1070.00
0.250	1470.	2124.8	0.0	3.9	0.0	41.44	50.00
0.250	2570.	2126.4	1.6	3.9	0.0	46.48	50.00
0.250	3165.	2127.1	0.7	3.9	0.0	48.77	50.00
0.250	4920.	2129.1	2.0	3.9	0.0	74.91	50.00
0.340	1460.	2134.0	0.0	9.2	0.0	190.32	440.00
0.340	2550.	2135.2	1.2	8.8	0.0	265.14	440.00
0.340	3135.	2135.8	0.6	8.7	0.0	268.59	440.00
0.340	4880.	2137.3	1.5	8.2	0.0	282.19	440.00
0.340	1460.	2134.2	0.0	0.2	0.0	88.48	40.00
0.340	2550.	2135.4	1.2	0.2	0.0	266.96	40.00
0.340	3135.	2136.0	0.5	0.2	0.0	270.30	40.00
0.340	4880.	2137.4	1.4	0.1	0.0	283.33	40.00
0.340	1460.	2134.9	0.0	0.7	0.0	90.03	12.00
0.340	2550.	2136.6	1.7	1.2	0.0	276.24	12.00
0.340	3135.	2137.1	0.5	1.1	0.0	280.61	12.00
0.340	4880.	2138.3	1.2	0.9	0.0	291.21	12.00
0.340	1460.	2134.9	0.0	-0.1	0.0	175.72	10.00
0.340	2550.	2136.6	1.7	-0.0	0.0	266.56	10.00
0.340	3135.	2137.1	0.5	-0.0	0.0	269.54	10.00
0.340	4880.	2138.3	1.3	0.1	0.0	280.81	10.00
0.400	1450.	2138.5	0.0	3.6	0.0	195.38	240.00
0.400	2535.	2139.2	0.7	2.6	0.0	210.95	240.00

H05

0.1 2.5 0.0 218.79 240.00

0.400	1450.	2138.2	0.0	2.0	0.0	210.95	240.00
0.400	2535.	2139.2	0.7	2.6			

H05

0.400	3120.	2139.6	0.4	2.5	0.0	218.79	240.00
0.400	4855.	2140.8	1.1	2.4	0.0	238.94	240.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH	
*	0.400	1450.	2139.2	0.0	0.7	0.0	185.29	60.00
*	0.400	2535.	2140.3	1.2	1.2	0.0	204.30	60.00
*	0.400	3120.	2140.8	0.5	1.2	0.0	212.32	60.00
*	0.400	4855.	2142.1	1.2	1.3	0.0	231.90	60.00
*	0.400	1450.	2140.4	0.0	1.2	0.0	148.20	1.00
*	0.400	2535.	2141.2	0.8	0.8	0.0	172.11	1.00
	0.400	3120.	2142.1	0.9	1.2	0.0	194.26	1.00
	0.400	4855.	2143.8	1.8	1.8	0.0	231.41	1.00
	0.400	1450.	2140.8	0.0	0.5	0.0	163.03	14.00
	0.400	2535.	2141.7	0.9	0.5	0.0	184.86	14.00
	0.400	3120.	2142.3	0.6	0.2	0.0	199.44	14.00
	0.400	4855.	2143.9	1.6	0.1	0.0	232.88	14.00
	0.400	1450.	2141.0	0.0	0.2	0.0	215.34	1.00
	0.400	2535.	2141.7	0.7	0.0	0.0	226.55	1.00
	0.400	3120.	2142.3	0.5	-0.0	0.0	234.53	1.00
	0.400	4855.	2143.8	1.6	-0.1	0.0	259.89	1.00
	0.400	1450.	2141.0	0.0	0.0	0.0	213.53	15.00
	0.400	2535.	2141.7	0.7	0.0	0.0	226.03	15.00
	0.400	3120.	2142.2	0.5	0.0	0.0	234.90	15.00
	0.400	4855.	2143.8	1.6	0.0	0.0	262.85	15.00
*	0.570	1430.	2157.0	0.0	16.0	0.0	31.72	820.00
*	0.570	2500.	2159.1	2.0	17.3	0.0	49.99	820.00
*	0.570	3070.	2159.9	0.9	17.7	0.0	52.55	820.00
*	0.570	4780.	2162.6	2.7	18.8	0.0	201.92	820.00
	0.570	1430.	2159.1	0.0	2.1	0.0	33.00	60.00
	0.570	2500.	2161.4	2.3	2.3	0.0	135.96	60.00
	0.570	3070.	2162.4	1.0	2.5	0.0	174.56	60.00
	0.570	4780.	2164.5	2.1	1.8	0.0	209.05	60.00
	0.570	1430.	2159.1	0.0	0.0	0.0	33.00	1.00
	0.570	2500.	2161.4	2.3	0.0	0.0	127.42	1.00
	0.570	3070.	2162.5	1.1	0.1	0.0	171.88	1.00
	0.570	4780.	2164.7	2.2	0.2	0.0	188.44	1.00
	0.570	1430.	2159.1	0.0	0.0	0.0	33.00	13.00
	0.570	2500.	2161.4	2.3	0.1	0.0	134.11	13.00
	0.570	3070.	2162.6	1.2	0.1	0.0	172.79	13.00
	0.570	4780.	2164.8	2.2	0.1	0.0	193.83	13.00
	0.570	1430.	2159.1	0.0	0.0	0.0	33.00	1.00
	0.570	2500.	2161.5	2.3	0.0	0.0	143.34	1.00
	0.570	3070.	2162.6	1.1	-0.0	0.0	175.27	1.00
	0.570	4780.	2164.8	2.2	-0.1	0.0	217.40	1.00
	0.570	1430.	2158.6	0.0	-0.5	0.0	48.49	15.00
	0.570	2500.	2161.1	2.6	-0.3	0.0	137.42	15.00
	0.570	3070.	2162.4	1.3	-0.2	0.0	201.29	15.00
	0.570	4780.	2164.6	2.2	-0.1	0.0	213.45	15.00

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SECNO Q CWSEL DIFWSP DIFWSX DIFKWS TOPWID XLCH

J05

SECNO	Q	CMSL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
0.820	1400.	2182.2	0.0	23.6	0.0	45.08	1160.00
* 0.820	2440.	2183.7	1.5	22.5	0.0	62.00	1160.00
* 0.820	3005.	2184.5	0.9	22.1	0.0	81.73	1160.00
* 0.820	4670.	2186.4	1.9	21.8	0.0	124.54	1160.00
0.820	1400.	2183.3	0.0	1.1	0.0	36.00	40.00
0.820	2440.	2185.2	1.9	1.3	0.0	93.70	40.00
0.820	3005.	2185.9	0.7	1.3	0.0	109.55	40.00
0.820	4670.	2187.5	1.6	1.1	0.0	139.71	40.00
0.820	1400.	2183.3	0.0	0.0	0.0	36.00	23.00
0.820	2440.	2186.6	3.3	1.4	0.0	128.69	23.00
0.820	3005.	2187.2	0.6	1.3	0.0	139.02	23.00
0.820	4670.	2188.2	0.9	0.6	0.0	141.73	23.00
* 0.820	1400.	2184.4	0.0	1.1	0.0	43.70	10.00
* 0.820	2440.	2186.1	1.7	-0.5	0.0	61.66	10.00
* 0.820	3005.	2186.9	0.8	-0.3	0.0	81.15	10.00
* 0.820	4670.	2188.9	1.9	0.7	0.0	125.91	10.00
1.130	1360.	2219.5	0.0	35.1	0.0	55.61	1605.00
1.130	2370.	2220.9	1.4	34.8	0.0	63.80	1605.00
1.130	2915.	2221.3	0.5	34.4	0.0	67.28	1605.00
* 1.130	4530.	2222.8	1.5	34.0	0.0	84.07	1605.00
1.130	1360.	2220.3	0.0	0.8	0.0	59.89	60.00
1.130	2370.	2221.9	1.6	1.0	0.0	71.56	60.00
1.130	2915.	2222.6	0.7	1.3	0.0	76.81	60.00
1.130	4530.	2224.4	1.8	1.3	0.0	111.71	60.00
1.130	1360.	2221.1	0.0	0.8	0.0	65.62	12.00
1.130	2370.	2222.5	1.4	0.6	0.0	76.04	12.00
1.130	2915.	2222.9	0.4	0.3	0.0	85.99	12.00
1.130	4530.	2224.4	1.4	0.0	0.0	111.76	12.00
1.130	1360.	2221.2	0.0	0.1	0.0	66.48	15.00
1.130	2370.	2222.8	1.5	0.2	0.0	81.66	15.00
1.130	2915.	2223.3	0.5	0.4	0.0	92.47	15.00
1.130	4530.	2225.2	1.9	0.8	0.0	133.69	15.00
* 1.410	1315.	2260.4	0.0	39.7	0.0	51.36	1425.00
* 1.410	2290.	2261.9	1.6	39.2	0.0	63.92	1425.00
* 1.410	2820.	2263.1	1.2	39.8	0.0	154.81	1425.00
* 1.410	4375.	2264.8	1.6	39.6	0.0	163.53	1425.00
1.410	1315.	2261.8	0.0	1.4	0.0	61.55	60.00
1.410	2290.	2263.7	1.9	1.7	0.0	158.97	60.00
1.410	2820.	2264.5	0.8	1.4	0.0	162.45	60.00
1.410	4375.	2265.8	1.3	1.1	0.0	189.09	60.00
* 1.410	1315.	2262.6	0.0	0.8	0.0	78.22	13.00
* 1.410	2290.	2263.7	1.1	0.0	0.0	158.99	13.00
* 1.410	2820.	2264.5	0.9	0.0	0.0	162.56	13.00
* 1.410	4375.	2265.8	1.3	-0.0	0.0	188.22	13.00

K05

SECNO Q CMSL DIFWSP DIFWSX DIFKWS TOPWID XLCH

K05

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
1.410	1315.	2262.6	0.0	0.0	0.0	80.30	15.00
1.410	2290.	2263.8	1.2	0.1	0.0	159.45	15.00
1.410	2820.	2264.8	1.0	0.3	0.0	164.03	15.00
1.410	4375.	2266.5	1.7	0.7	0.0	197.48	15.00
1.520	1300.	2270.3	0.0	7.7	0.0	52.22	540.00
1.520	2260.	2272.0	1.6	8.2	0.0	59.57	540.00
1.520	2780.	2272.3	0.4	7.5	0.0	86.82	540.00
1.520	4315.	2273.7	1.4	7.2	0.0	119.05	540.00

SUMMARY OF ERRORS

CAUTION SECNO= 0.240 PROFILE= 1 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 0.240 PROFILE= 2 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 0.240 PROFILE= 3 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 0.240 PROFILE= 3
 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 0.240 PROFILE= 3
 20 TRIALS ATTEMPTED TO BALANCE WSEL
 CAUTION SECNO= 0.240 PROFILE= 4 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 0.240 PROFILE= 4
 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 0.240 PROFILE= 4
 20 TRIALS ATTEMPTED TO BALANCE WSEL
 CAUTION SECNO= 0.250 PROFILE= 1 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 0.250 PROFILE= 2 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 0.250 PROFILE= 3 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 0.250 PROFILE= 4 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 0.340 PROFILE= 3 HYDRAULIC JUMP D.S.
 CAUTION SECNO= 0.340 PROFILE= 4 HYDRAULIC JUMP D.S.
 CAUTION SECNO= 0.340 PROFILE= 1 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 0.400 PROFILE= 1 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 0.400 PROFILE= 1
 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 0.400 PROFILE= 1
 20 TRIALS ATTEMPTED TO BALANCE WSEL
 CAUTION SECNO= 0.400 PROFILE= 2 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 0.400 PROFILE= 2
 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 0.400 PROFILE= 2
 20 TRIALS ATTEMPTED TO BALANCE WSEL
 CAUTION SECNO= 0.400 PROFILE= 3 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 0.400 PROFILE= 3
 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 0.400 PROFILE= 3
 20 TRIALS ATTEMPTED TO BALANCE WSEL
 CAUTION SECNO= 0.400 PROFILE= 4 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 0.400 PROFILE= 4
 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 0.400 PROFILE= 4

L05

CAUTION SECNO= 0.400 PROFILE= 4
PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 0.400 PROFILE= 4

L05

20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 0.400 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 0.400 PROFILE= 1

PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 0.400 PROFILE= 1

20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 0.400 PROFILE= 2 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 0.400 PROFILE= 2

PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 0.400 PROFILE= 2

20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 0.570 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 0.570 PROFILE= 1

PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 0.570 PROFILE= 1

20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 0.570 PROFILE= 2 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 0.570 PROFILE= 2

PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 0.570 PROFILE= 2

20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 0.570 PROFILE= 3 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 0.570 PROFILE= 3

PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 0.570 PROFILE= 3

20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 0.570 PROFILE= 4 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 0.570 PROFILE= 4

PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 0.570 PROFILE= 4

20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 0.820 PROFILE= 2 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 0.820 PROFILE= 3 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 0.820 PROFILE= 3

PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 0.820 PROFILE= 3

20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 0.820 PROFILE= 4 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 0.820 PROFILE= 4

PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 0.820 PROFILE= 4

20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 0.820 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 0.820 PROFILE= 1

PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 0.820 PROFILE= 1

20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 0.820 PROFILE= 2 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 0.820 PROFILE= 3 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 0.820 PROFILE= 3

PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 0.820 PROFILE= 3

20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 0.820 PROFILE= 4 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 0.820 PROFILE= 4

PROBABLE MINIMUM SPECIFIC ENERGY

M05

CAUTION SECNO= 0.820 PROFILE= 4
PROBABLE MINIMUM SPECIFIC ENERGY

M05

CAUTION SECNO= 0.820 PROFILE= 4
20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 1.130 PROFILE= 4 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 1.410 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 1.410 PROFILE= 1

PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 1.410 PROFILE= 1

20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 1.410 PROFILE= 2 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 1.410 PROFILE= 2

PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 1.410 PROFILE= 2

20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 1.410 PROFILE= 3 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 1.410 PROFILE= 3

PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 1.410 PROFILE= 3

20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 1.410 PROFILE= 4 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 1.410 PROFILE= 4

PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 1.410 PROFILE= 4

20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 1.410 PROFILE= 2 HYDRAULIC JUMP D.S.

CAUTION SECNO= 1.410 PROFILE= 3 HYDRAULIC JUMP D.S.

A01

THIS RUN EXECUTED 02/14/81 9:57:30

 HEC2 RELEASE DATED NOV 76 UPDATED JULY 1979
 ERROR CORR - 01,02,03
 MODIFICATION - 50,51,52,53,54

T1 YANCEY COUNTY NC FEMA STUDY SCB 10/1/80 5
 T2 100 YEAR FLOOD 10
 T3 BIG CREEK 100 YEAR FLOODWAY 15

J1 ICHECK INQ NINV IDIR STRT METRIC HVINS Q WSEL FQ
 0. 4. 0. 0. 0.02254 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

NC 0.110 0.150 0.060 0.1 0.5 35
 QT 5. 1495. 2615. 3220. 5010. 3220. 0. 0. 0. 0. 40
 ET 0. 0.0 0.0 0.0 0.0 7.11 185.00 235.00 0.0 0.0 45

X1 0.04 21. 187. 232. 0. 0. 0. 0.0 0.0 0. 50
 GR 2114.5 0. 2110.8 5. 2111.5 10. 2112.2 28. 2110.6 55. 55
 GR 2107.5 60. 2108.3 64. 2102.1 86. 2102.5 114. 2102.5 142. 60
 GR 2100.1 186. 2099.2 187. 2093.2 195. 2092.3 200. 2092.7 209. 65
 GR 2093.7 215. 2093.9 225. 2094.0 226. 2097.5 232. 2103.8 244. 70
 GR 2114.2 256. 0.0 0. 0.0 0. 0.0 0. 0.0 0. 75
 NC 0.110 0.120 0.040 0.0 0.0 80
 ET 0. 0.0 0.0 0.0 0.0 7.11 185.00 235.00 0.0 0.0 85

X1 0.04 21. 187. 225. 60. 60. 60. 0.0 0.0 0. 90
 X3 10. 0.0 0.0 0. 0.0 0. 0.0 2102.9 2103.0 95
 GR 2114.5 0. 2110.8 5. 2111.5 10. 2112.2 28. 2110.6 55. 100
 GR 2107.5 60. 2108.3 64. 2102.1 86. 2102.5 114. 2102.5 142. 105
 GR 2100.1 186. 2099.2 187. 2093.2 195. 2092.3 200. 2092.7 209. 110
 GR 2093.7 215. 2093.9 225. 2094.0 226. 2097.5 232. 2103.8 244. 115
 GR 2114.2 256. 0.0 0. 0.0 0. 0.0 0. 0.0 0. 120
 SB 1.25 1.60 3.00 0. 30.00 0.01 305.00 0.43 2092.3 2092.3 125
 ET 0. 0.0 0.0 0.0 0.0 7.11 185.00 235.00 0.0 0.0 130

X1 0.04 0. 0. 0. 13. 13. 13. 0.0 0.0 0. 135
 X2 0. 0.0 1. 2101.3 2103.4 0.0 0. 0.0 0.0 0. 140
 X3 10. 0.0 0.0 0. 0.0 0. 0.0 2103.4 2103.5 145
 BT 17.0 0.0 2114.5 0.0 6.0 2110.9 0.0 10.0 2111.5 0.0 150
 BT 28.0 2112.2 0.0 55.0 2110.6 0.0 60.0 2107.5 0.0 64.0 155
 BT 2108.3 0.0 89.0 2107.7 0.0 86.0 2106.9 0.0 135.0 2104.9 160
 BT 0.0 187.0 2103.4 0.0 187.0 2105.0 0.0 225.0 2105.0 0.0 165

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BT	225.0	2103.5	0.0	245.0	2104.8	0.0	250.0	2108.8	0.0	256.0	170
BT	2114.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	175
NC	0.110	0.120	0.060	0.0	0.0						180
ET	0.	0.0	0.0	0.0	0.0	7.11	185.00	235.00	0.0	0.0	185
X1	0.04	21.	187.	232.	15.	15.	15.	0.0	0.0	0.	190
GR	2114.5	0.	2110.8	5.	2111.5	10.	2112.2	28.	2110.6	55.	195
GR	2107.5	60.	2108.3	64.	2102.1	86.	2102.5	114.	2102.5	145.	200
GR	2100.1	186.	2099.2	187.	2093.2	195.	2092.3	200.	2092.7	209.	205
GR	2093.7	215.	2093.9	225.	2094.0	226.	2097.5	232.	2103.8	244.	210
GR	2114.2	256.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	215
NC	0.150	0.150	0.060	0.0	0.8						220
QT	5.	1470.	2570.	3165.	4925.	3165.	0.	0.	0.	0.	225
ET	0.	0.0	0.0	0.0	0.0	7.11	185.00	235.00	0.0	0.0	230
X1	0.24	0.	0.	0.	1070.	1070.	1070.	0.0	23.80	0.	235
QT	5.	1470.	2570.	3160.	4920.	3160.	0.	0.	0.	0.	240
ET	0.	0.0	0.0	0.0	0.0	7.11	185.00	235.00	0.0	0.0	245
X1	0.25	0.	0.	0.	50.	50.	50.	0.0	3.90	0.	250
NC	0.090	0.130	0.050	0.0	0.5						255
QT	5.	1460.	2550.	3135.	4880.	3135.	0.	0.	0.	0.	260
ET	0.	0.0	0.0	0.0	0.0	7.11	200.00	300.00	0.0	0.0	265
X1	0.34	18.	232.	267.	440.	440.	440.	0.0	-1.20	0.	270
GR	2149.2	92.	2142.8	102.	2144.0	106.	2143.7	126.	2143.9	158.	275
GR	2133.7	179.	2133.2	232.	2132.5	234.	2129.6	249.	2129.8	257.	280
GR	2130.2	260.	2132.4	264.	2133.8	267.	2134.6	338.	2136.4	431.	285
GR	2135.4	436.	2137.0	441.	2149.2	526.	0.0	0.	0.0	0.	290
NC	0.0	0.0	0.040	0.0	0.0						295
ET	0.	0.0	0.0	0.0	0.0	7.11	200.00	300.00	0.0	0.0	300
X1	0.34	18.	234.	264.	40.	40.	40.	0.0	-1.20	0.	305
X3	10.	0.0	0.0	0.	0.0	0.	0.0	2132.8	2134.8		310
GR	2149.2	92.	2142.8	102.	2144.0	106.	2143.7	126.	2143.9	158.	315
GR	2133.7	179.	2133.2	232.	2132.5	234.	2129.6	249.	2129.8	257.	320
GR	2130.2	260.	2132.4	264.	2133.8	267.	2134.6	338.	2136.4	431.	325
GR	2135.4	436.	2137.0	441.	2149.2	526.	0.0	0.	0.0	0.	330
SB	1.25	1.60	3.00	0.	30.00	0.30	172.00	0.0	2128.4	2128.4	335
ET	0.	0.0	0.0	0.0	0.0	7.11	200.00	300.00	0.0	0.0	340
X1	0.34	0.	0.	0.	12.	12.	12.	0.0	0.0	0.	345
X2	0.	0.0	1.	2134.2	2134.3	0.0	0.	0.0	0.0	0.	350
X3	10.	0.0	0.0	0.	0.0	0.	0.0	2134.2	2135.3		355
BT	16.0	92.0	2148.0	0.0	102.0	2141.6	0.0	106.0	2142.8	0.0	360
BT	126.0	2142.5	0.0	158.0	2142.7	0.0	170.0	2136.9	0.0	175.0	365
BT	2134.3	0.0	185.0	2134.2	0.0	232.0	2135.0	0.0	232.0	2135.5	370
BT	0.0	264.0	2135.9	0.0	264.0	2135.6	0.0	283.0	2135.3	0.0	375
BT	330.0	2136.0	0.0	497.0	2143.9	0.0	526.0	2148.0	0.0	0.0	380
NC	0.090	0.110	0.055	0.0	0.0						385
ET	0.	0.0	0.0	0.0	0.0	7.11	200.00	300.00	0.0	0.0	390
X1	0.34	18.	232.	267.	10.	10.	10.	0.0	0.0	0.	395

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GR	2149.2	92.	2142.8	102.	2144.0	106.	2143.7	126.	2143.9	158.	400
GR	2133.7	179.	2133.2	232.	2132.5	234.	2129.6	249.	2129.8	257.	405
GR	2130.2	260.	2132.4	264.	2133.8	267.	2134.6	338.	2136.4	431.	410
GR	2135.4	436.	2137.0	441.	2149.2	526.	0.0	0.	0.0	0.	415
NC	0.120	0.150	0.060	0.0	0.8						420
QT	5.	1450.	2535.	3120.	4855.	3120.	0.	0.	0.	0.	425
ET	0.	0.0	0.0	0.0	0.0	7.11	60.00	230.00	0.0	0.0	430
X1	0.40	20.	61.	112.	240.	240.	240.	0.0	-1.70	0.	435
GR	2157.8	0.	2150.4	11.	2148.0	18.	2149.0	24.	2148.7	44.	440
GR	2147.7	49.	2140.0	61.	2135.7	67.	2135.2	85.	2134.7	90.	445
GR	2135.1	100.	2137.0	105.	2139.6	112.	2139.3	219.	2138.0	233.	450
GR	2139.6	243.	2140.6	266.	2145.5	345.	2152.0	400.	2156.2	420.	455
NC	0.0	0.0	0.045	0.0	0.5						460
ET	0.	0.0	0.0	0.0	0.0	7.11	60.00	230.00	0.0	0.0	465
X1	0.40	20.	85.	105.	60.	60.	60.	0.0	-1.70	0.	470
X3	10.	0.0	0.0	0.	0.0	0.	0.0	2143.8	2138.5		475
GR	2157.8	0.	2150.4	11.	2148.0	18.	2149.0	24.	2148.7	44.	480
GR	2147.7	49.	2140.0	61.	2135.7	67.	2135.2	85.	2134.7	90.	485
GR	2135.1	100.	2137.0	105.	2139.6	112.	2139.3	219.	2138.0	233.	490
GR	2139.6	243.	2140.6	266.	2145.5	345.	2152.0	400.	2156.2	420.	495
NC	0.050	0.050	0.035	0.0	0.0						500
ET	0.	0.0	0.0	0.0	0.0	7.11	60.00	230.00	0.0	0.0	505
X1	0.40	23.	85.	105.	1.	1.	1.	0.0	0.0	0.	510
BT	4.0	85.0	2144.3	0.0	85.0	2145.0	2143.1	105.0	2144.1	2142.1	515
BT	105.0	2144.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	520
GR	2157.5	0.	2150.4	11.	2148.0	18.	2149.0	25.	2148.8	40.	525
GR	2148.3	55.	2144.3	85.	2135.2	85.	2135.0	87.	2133.0	87.	530
GR	2135.9	105.	2144.2	105.	2144.1	107.	2143.0	107.	2140.5	128.	535
GR	2139.3	153.	2138.5	209.	2139.0	222.	2139.6	243.	2140.9	270.	540
GR	2145.3	343.	2151.9	400.	2156.2	420.	0.0	0.	0.0	0.	545
ET	0.	0.0	0.0	0.0	0.0	7.11	60.00	230.00	0.0	0.0	550
X1	0.40	0.	0.	0.	14.	14.	14.	0.0	0.0	0.	555
X2	0.	0.0	0.	0.0	0.0	0.0	1.	0.0	0.0	0.	560
NC	0.130	0.120	0.045	0.0	0.0						565
ET	0.	0.0	0.0	0.0	0.0	7.11	60.00	230.00	0.0	0.0	570
X1	0.40	20.	85.	105.	1.	1.	1.	0.0	-1.70	0.	575
X3	10.	0.0	0.0	0.	0.0	0.	0.0	2144.3	2139.0		580
GR	2157.8	0.	2150.4	11.	2148.0	18.	2149.0	24.	2148.7	44.	585
GR	2147.7	49.	2140.0	61.	2135.7	67.	2135.2	85.	2134.7	90.	590
GR	2135.1	100.	2137.0	105.	2139.6	112.	2139.3	219.	2138.0	233.	595
GR	2139.6	243.	2140.6	266.	2145.5	345.	2152.0	400.	2156.2	420.	600
ET	0.	0.0	0.0	0.0	0.0	7.11	60.00	230.00	0.0	0.0	605
X1	0.40	20.	61.	112.	15.	15.	15.	0.0	0.0	0.	610
GR	2157.8	0.	2150.4	11.	2148.0	18.	2149.0	24.	2148.7	44.	615
GR	2147.7	49.	2140.0	61.	2135.7	67.	2135.2	85.	2134.7	90.	620
GR	2135.1	100.	2137.0	105.	2139.6	112.	2139.3	219.	2138.0	233.	625
GR	2139.6	243.	2140.6	266.	2145.5	345.	2152.0	400.	2156.2	420.	630
NC	0.130	0.110	0.045	0.0	0.0						635

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GR 2139.6 243 2140.0 0.0 0.0
 NC 0.130 0.110 0.045 0.0 0.0

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QT	5.	1430.	2500.	3070.	4780.	3070.	0.	0.	0.	0.	640
ET	0.	0.0	0.0	0.0	0.0	7.11	70.00	130.00	0.0	0.0	645
X1	0.57	17.	75.	113.	820.	820.	820.	0.0	0.0	0.	650
GR 2174.3	0.	2164.5	10.	2165.3	14.	2165.3	33.	2164.4	53.	655	
GR 2158.6	61.	2157.5	75.	2157.2	75.	2153.8	82.	2151.0	87.	660	
GR 2151.5	100.	2153.9	102.	2160.7	113.	2160.5	130.	2161.5	230.	665	
GR 2162.4	257.	2174.3	276.	0.0	0.	0.0	0.	0.0	0.	670	
ET	0.	0.0	0.0	0.0	0.0	7.11	70.00	130.00	0.0	0.0	675
X1	0.57	20.	82.	115.	60.	60.	60.	0.0	0.0	0.	680
X3	10.	0.0	0.0	0.	0.0	0.	0.0	2164.0	2160.2	0.	685
GR 2174.3	0.	2168.5	10.	2165.3	14.	2165.3	33.	2164.4	53.	690	
GR 2158.6	61.	2157.5	75.	2157.2	75.	2153.8	82.	2148.3	82.	695	
GR 2148.6	87.	2148.5	93.	2149.1	100.	2149.2	102.	2155.8	115.	700	
GR 2160.7	115.	2160.5	130.	2161.5	230.	2162.4	257.	2174.3	276.	705	
NC	0.060	0.060	0.040	0.0	0.0					710	
ET	0.	0.0	0.0	0.0	0.0	7.11	70.00	130.00	0.0	0.0	715
X1	0.57	16.	82.	115.	1.	1.	1.	0.0	0.0	0.	720
BT	4.0	82.0	2164.4	0.0	82.0	2166.0	2162.3	115.0	2164.6	2160.9	725
BT	115.0	2163.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	730
GR 2174.5	0.	2165.5	9.	2165.5	40.	2164.5	82.	2148.3	82.	735	
GR 2148.3	87.	2148.5	93.	2149.2	102.	2155.8	115.	2163.1	115.	740	
GR 2161.4	124.	2160.7	150.	2161.5	230.	2162.4	257.	2169.4	269.	745	
GR 2174.3	276.	0.0	0.	0.0	0.	0.0	0.	0.0	0.	750	
ET	0.	0.0	0.0	0.0	0.0	7.11	70.00	130.00	0.0	0.0	755
X1	0.57	0.	0.	0.	13.	13.	13.	0.0	0.0	0.	760
X2	0.	0.0	0.	0.0	0.0	0.0	1.	0.0	0.0	0.	765
NC	0.090	0.130	0.045	0.0	0.0						770
ET	0.	0.0	0.0	0.0	0.0	7.11	70.00	130.00	0.0	0.0	775
X1	0.57	20.	82.	115.	1.	1.	1.	0.0	0.0	0.	780
X3	10.	0.0	0.0	0.	0.0	0.	0.0	2164.5	2160.7	0.	785
GR 2174.3	0.	2164.5	10.	2165.3	14.	2165.3	33.	2164.4	53.	790	
GR 2158.6	61.	2157.5	75.	2157.2	75.	2153.8	82.	2148.3	82.	795	
GR 2148.6	87.	2148.5	93.	2149.1	100.	2149.2	102.	2155.8	115.	800	
GR 2160.7	115.	2160.5	130.	2161.5	230.	2162.4	257.	2174.3	276.	805	
ET	0.	0.0	0.0	0.0	0.0	7.11	70.00	130.00	0.0	0.0	810
X1	0.57	17.	75.	113.	15.	15.	15.	0.0	0.0	0.	815
GR 2174.3	0.	2164.5	10.	2165.3	14.	2165.3	33.	2164.4	53.	820	
GR 2158.6	61.	2157.5	75.	2157.2	75.	2153.8	82.	2153.2	87.	825	
GR 2153.6	100.	2153.9	102.	2160.7	113.	2160.5	130.	2161.5	230.	830	
GR 2162.4	257.	2174.3	276.	0.0	0.	0.0	0.	0.0	0.	835	
NC	0.130	0.130	0.060	0.0	0.0					840	
QT	5.	1400.	2440.	3005.	4670.	3005.	0.	0.	0.	0.	845
ET	0.	0.0	0.0	0.0	0.0	7.11	100.00	200.00	0.0	0.0	850
X1	0.82	15.	100.	136.	1160.	1160.	1160.	0.0	-2.40	0.	855
GR 2202.0	50.	2201.5	69.	2200.5	73.	2191.8	93.	2185.0	100.	860	
GR 2181.8	105.	2180.0	113.	2179.0	121.	2179.0	123.	2180.1	126.	865	

ED1											
GR	2182.4	136.	2185.6	150.	2189.4	234.	2199.3	246.	2208.5	269.	870
NC	0.0	0.0	0.040	0.0	0.0	0.0	0.0	0.0	0.0	0.0	875
ET	0.	0.0	0.0	0.0	0.0	7.11	100.00	200.00	0.0	0.0	880
X1	0.82	0.	0.	0.	40.	40.	40.	0.0	0.0	0.	885
X3	10.	0.0	0.0	0.	0.0	0.	0.0	2186.0	2184.2	0.	890
SB	1.25	1.60	3.00	0.	21.60	0.01	184.00	0.30	2176.6	2176.6	895
ET	0.	0.0	0.0	0.0	0.0	7.11	100.00	200.00	0.0	0.0	900
X1	0.82	0.	0.	0.	23.	23.	23.	0.0	0.0	0.	905
X2	0.	0.0	1.	2184.3	2185.7	0.0	0.	0.0	0.0	0.	910
X3	10.	0.0	0.0	0.	0.0	0.	0.0	2186.5	2184.7	0.	915
BT	16.0	50.0	2199.6	0.0	69.0	2199.1	0.0	73.0	2198.1	0.0	920
BT	80.0	2195.0	0.0	93.0	2189.4	0.0	95.0	2186.5	0.0	100.0	925
BT	2186.5	0.0	100.0	2188.0	0.0	138.0	2188.0	0.0	138.0	2186.5	930
BT	0.0	150.0	2185.6	0.0	175.0	2184.7	0.0	183.0	2184.7	0.0	935
BT	234.0	2187.0	0.0	246.0	2196.9	0.0	269.0	2206.1	0.0	0.0	940
NC	0.140	0.130	0.050	0.0	0.0	0.0	0.0	0.0	0.0	0.0	945
ET	0.	0.0	0.0	0.0	0.0	7.11	100.00	200.00	0.0	0.0	950
X1	0.82	0.	0.	0.	10.	10.	10.	0.0	2.40	0.	955
NC	0.130	0.130	0.060	0.0	0.0	0.0	0.0	0.0	0.0	0.0	960
QT	5.	1360.	2370.	2915.	4530.	2915.	0.	0.	0.	0.	965
ET	0.	0.0	0.0	0.0	0.0	7.11	75.00	125.00	0.0	0.0	970
X1	1.13	19.	85.	115.	1605.	1605.	1605.	0.0	0.0	0.	975
GR	2235.2	0.	2235.5	15.	2235.1	21.	2231.5	27.	2224.4	34.	980
GR	2224.4	43.	2219.8	57.	2215.0	85.	2214.2	89.	2214.5	95.	985
GR	2214.7	100.	2214.5	103.	2215.1	111.	2220.3	115.	2222.8	126.	990
GR	2222.6	128.	2225.5	172.	2226.0	184.	2235.5	210.	0.0	0.	995
NC	0.0	0.0	0.040	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000
ET	0.	0.0	0.0	0.0	0.0	7.11	75.00	125.00	0.0	0.0	1005
X1	1.13	0.	0.	0.	60.	60.	60.	0.0	0.0	0.	1010
X3	10.	0.0	0.0	0.	0.0	0.	0.0	2219.6	2219.8	0.	1015
SB	1.25	1.60	3.00	0.	29.00	0.40	143.00	0.0	2214.0	2214.0	1020
ET	0.	0.0	0.0	0.0	0.0	7.11	75.00	125.00	0.0	0.0	1025
X1	1.13	0.	0.	0.	12.	12.	12.	0.0	0.0	0.	1030
X2	0.	0.0	1.	2219.0	2220.1	0.0	0.	0.0	0.0	0.	1035
X3	10.	0.0	0.0	0.	0.0	0.	0.0	2220.1	2220.3	0.	1040
BT	16.0	0.0	2235.2	0.0	14.0	2235.5	0.0	22.0	2235.1	0.0	1045
BT	27.0	2231.5	0.0	34.0	2224.4	0.0	44.0	2224.4	0.0	56.0	1050
BT	2220.2	0.0	73.0	2220.4	0.0	82.0	2220.1	0.0	82.0	2220.6	1055
BT	0.0	116.0	2220.3	0.0	126.0	2222.8	0.0	128.0	2222.6	0.0	1060
BT	172.0	2225.4	0.0	184.0	2225.9	0.0	200.0	2231.9	0.0	0.0	1065
NC	0.140	0.130	0.050	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1070
ET	0.	0.0	0.0	0.0	0.0	7.11	75.00	125.00	0.0	0.0	1075
X1	1.13	0.	0.	0.	15.	15.	15.	0.0	0.0	0.	1080
NC	0.120	0.120	0.050	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1085
QT	5.	1315.	2290.	2820.	4375.	2820.	0.	0.	0.	0.	1090
ET	0.	0.0	0.0	0.0	0.0	7.11	150.00	200.00	0.0	0.0	1095

HEC
ERR
MOD
T1
T2
T3
J1
J2

QT 5. 1315. 2290. 2820. 4312. 7.11 150.00 200.00 0.0 0.0 1072
 ET 0. 0.0 0.0 0.0 0.0 7.11 150.00 200.00 0.0 0.0 1072

FD1

X1	1.41	18.	163.	188.	1425.	1425.	1425.	0.0	0.0	0.	1100
GR	2280.6	0.	2271.0	22.	2270.2	31.	2266.0	44.	2265.4	63.	1105
GR	2264.8	73.	2263.1	77.	2262.6	146.	2259.1	153.	2256.8	163.	1110
GR	2256.8	173.	2255.7	180.	2256.3	188.	2258.1	197.	2263.2	208.	1115
GR	2261.5	211.	2263.3	234.	2280.5	265.	0.0	0.	0.0	0.	1120
NC	0.0	0.0	0.040	0.0	0.0						1125
ET	0.	0.0	0.0	0.0	0.0	7.11	150.00	200.00	0.0	0.0	1130
X1	1.41	0.	0.	0.	60.	60.	60.	0.0	0.0	0.	1135
X3	10.	0.0	0.0	0.	0.0	0.	0.0	2259.9	2259.3		1140
SB	1.25	1.60	3.00	0.	19.00	0.25	75.00	0.0	2255.7	2255.7	1145
ET	0.	0.0	0.0	0.0	0.0	7.11	150.00	200.00	0.0	0.0	1150
X1	1.41	0.	0.	0.	13.	13.	13.	0.0	0.0	0.	1155
X2	0.	0.0	1.	2259.7	2259.7	0.0	0.	0.0	0.0	0.	1160
X3	10.	0.0	0.0	0.	0.0	0.	0.0	2260.4	2259.7		1165
BT	17.0	0.0	2280.7	0.0	22.0	2271.0	0.0	32.0	2270.3	0.0	1170
BT	45.0	2266.0	0.0	105.0	2264.5	0.0	115.0	2262.8	0.0	146.0	1175
BT	2262.6	0.0	150.0	2260.4	0.0	161.0	2260.8	0.0	161.0	2261.3	1180
BT	0.0	192.0	2260.8	0.0	192.0	2260.4	0.0	200.0	2259.8	0.0	1185
BT	208.0	2263.2	0.0	211.0	2261.5	0.0	234.0	2263.3	0.0	266.0	1190
BT	2280.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1195
NC	0.150	0.160	0.060	0.0	0.0						1200
ET	0.	0.0	0.0	0.0	0.0	7.11	150.00	200.00	0.0	0.0	1205
X1	1.41	18.	163.	188.	15.	15.	15.	0.0	0.0	0.	1210
GR	2280.6	0.	2271.0	22.	2270.2	31.	2266.0	44.	2265.4	63.	1215
GR	2264.8	73.	2263.1	77.	2262.6	146.	2259.1	153.	2257.8	163.	1220
GR	2257.8	173.	2256.7	180.	2257.3	188.	2258.1	197.	2263.2	208.	1225
GR	2261.5	211.	2263.3	234.	2280.5	265.	0.0	0.	0.0	0.	1230
NC	0.120	0.150	0.060	0.0	0.8						1235
QT	5.	1300.	2260.	2780.	4315.	2780.	0.	0.	0.	0.	1240
ET	0.	0.0	0.0	0.0	0.0	7.11	100.00	160.00	0.0	0.0	1245
X1	1.52	14.	105.	154.	540.	540.	540.	0.0	0.0	0.	1250
GR	2287.4	0.	2277.5	11.	2277.9	13.	2277.9	33.	2271.9	47.	1255
GR	2272.7	100.	2267.8	105.	2266.0	135.	2266.2	139.	2266.7	141.	1260
GR	2268.0	154.	2271.6	155.	2275.3	167.	2287.5	185.	0.0	0.	1265
EJ											1270

*PRC
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*PROF 1

CCHV= 0.100 CEHV= 0.500

*SECNO .040

2096 WSEL NOT GIVEN,AVG OF MAX,MIN USED

BIG CREEK

100 YEAR FLOOD

02/14/81

Q	ALOB	ACH	AROB	DHV	ITRIAL	TOPWID		
CRISWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV		
WSELK	VL OB	VCH	VROB	HL	EG	LEFT/RIGHT		
WLN	XNL	XNCH	XNR	LOSS	CORAR	SSTA		
ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL	
0.04	3220.	0.	3217.	10.	2.14	0	51.	
2100.10	0.0	0.	273.	6.	0.50	0	2099.20	
7.80	0.0	0.97	11.75	1.62	0.0	2102.24	2097.50	
0.022232	0.0	0.110	0.060	0.150	0.0	-0.00	185.99	
	2092.30	0.	0.	0.	24.	27.	236.95	

*SECNO .040

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 2102.90 ELREA= 2103.00

Q	ALOB	ACH	AROB	DHV	ITRIAL	TOPWID		
0.04	3220.	0.	3220.	0.	2.24	4	38.	
2100.82	0.0	0.	268.	0.	0.10	0	2099.20	
8.52	0.0	0.0	12.01	0.0	0.77	2103.06	2093.90	
0.008323	0.039	0.110	0.040	0.120	0.05	-0.00	187.00	
	2092.30	60.	60.	60.	19.	19.	225.00	

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	30.00	0.01	305.00	0.43
ELCHU	ELCHD							
2092.30	2092.30							

*SECNO .040

GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2103.59	2103.06	0.01	1.	3218.	305.	305.	2101.30

ELTRD
2103.40

NOTE: QWEIR IS GREATER THAN 0 AND ELEV IS LESS THAN ELTRD

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 2103.40 ELREA= 2103.50

0.04	3220.	0.	3220.	0.	1.68	5	38.
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3470 ENCI

3495 OVE

D.0
2102.8
10.5
0.00352

*SECNO .

3470 ENI

0.1
2103.
11.
0.0050

CCHV=

*SECNO

GR

3301 HI

BI
MILI
ELE
DEP
SLO

3685 2

3693 P

3720 C

3470 E

C

212

0.03

*SECNO

GR

B

MIL

EL

DE

SL

7185

3720

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 2103.40 ELREA= 2103.50

0.04 3220. 0. 3220. 0. 1.68 5 38.

7185
3720

H01

2101.90	0.0	0.	309.	0.	-0.56	0	2099.20	
9.60	0.0	0.0	10.41	0.0	0.52	2103.58	2093.90	
0.005172	0.039	0.110	0.040	0.120	0.0	-0.00	187.00	
	2092.30	13.	13.	13.	19.	19.	225.00	0.

*SECNO .040

3301 HV CHANGED MORE THAN HVINS

0.04	3220.	115.	3059.	46.	0.87	2	159.	
2102.88	0.0	98.	398.	28.	-0.81	0	2099.20	
10.57	0.0	1.18	7.68	1.67	0.08	2103.75	2097.50	
0.005743	0.042	0.110	0.060	0.120	0.08	-0.00	83.22	
	2092.30	15.	15.	15.	126.	33.	242.25	1.

CCHV= 0.100 CEHV= 0.800
*SECNO .240

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

BIG CREEK		100 YEAR FLOOD				02/14/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID		
ELEV	CRWS	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	XL0BL	XLCH	XL0BR	WSDL	WSDR	ENDST	VOL	

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

0.24	3165.	0.	3160.	5.	2.67	20	49.	
2123.18	2123.18	0.	241.	3.	1.80	14	2123.00	
7.08	0.0	0.02	13.12	1.59	12.13	2125.85	2121.30	
0.032811	0.059	0.150	0.060	0.150	1.44	-0.00	186.80	
	2116.10	1070.	1070.	1070.	23.	26.	235.59	10.

*SECNO .250

*** GR CARDS REPEATED

BIG CREEK		100 YEAR FLOOD				02/14/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID		
ELEV	CRWS	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	XL0BL	XLCH	XL0BR	WSDL	WSDR	ENDST	VOL	

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

0.25	3160.	0.	3155.	5.	2.67	3	49.	
2127.08	2127.08	0.	240.	3.	-0.00	5	2126.90	
7.08	0.0	0.02	13.12	1.59	1.64	2129.74	2125.20	
0.032839	0.059	0.150	0.060	0.150	0.00	-0.00	186.80	
	2120.00	50.	50.	50.	23.	26.	235.57	10.

3470 EI
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CCHV=
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3301

3470
213
0.01

*SECNO
3470
213
0.01

SPEC
SB

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21

*SECNO

PRE

2'

2'

347

2

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101

CCHV= 0.100 CEHV= 0.500
*SECNO .340

3301 HV CHANGED MORE THAN HVINS

0.34	3135.	677.	1857.	601.	0.77	4	269.
2135.76	0.0	197.	210.	341.	-1.90	0	2132.00
7.36	0.0	3.43	8.84	1.76	6.59	2136.53	2132.60
0.008506	0.056	0.090	0.050	0.130	0.19	-0.00	172.28
	2128.40	440.	440.	440.	77.	191.	440.88
							15.

*SECNO .340

0.34	3135.	639.	1896.	600.	0.91	3	270.
2135.96	0.0	218.	196.	389.	0.14	0	2131.30
7.56	0.0	2.93	9.65	1.54	0.28	2136.87	2131.20
0.005717	0.056	0.090	0.040	0.130	0.07	-0.00	171.86
	2128.40	40.	40.	40.	77.	193.	442.16

SPECIAL BRIDGE

5227 DOWNSTREAM ELEV IS 2134.81 NOT 2135.96
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	30.00	0.30	172.00	0.0
	ELCHD	ELCHD						
	2128.40	2128.40						

*SECNO .340

*** GR CARDS REPEATED
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BARFA	TAREA	ELLC
2144.22	2137.15	0.0	1765.	1377.	172.	172.	2134.20
	ELTRD						
	2134.30						

0.34	3135.	678.	1668.	789.	0.46	2	281.
2137.10	0.0	290.	231.	597.	-0.45	0	2131.30
8.70	0.0	2.34	7.23	1.32	0.68	2137.56	2131.20
0.002590	0.055	0.090	0.040	0.130	0.0	-0.00	169.51
	2128.40	12.	12.	12.	79.	201.	450.12
							16.

*SECNO .340
BIG CREEK

		100 YEAR FLOOD			02/14/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRPL	TOPWID	
ELEV	CRISW	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLJSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL
0.34	3135.	693.	1688.	753.	0.57	2	270.	
2137.08	0.0	204.	214.	362.	0.12	0	2133.20	

*SECNO
BI
MIL
ELE
DEF
SLC

3470
213
0.01

CCHV=
*SECN

3470
21
0.0

CCHV
*SEC
3301

368
369
372
347
349

2
0.
*SE

101

J01

7.48	0.0	3.39	7.87	2.08	0.04	2137.66	2133.80	
0.007956	0.056	0.090	0.055	0.110	0.06	-0.00	172.03	
	2129.60	10.	10.	10.	77.	192.	441.58	17.

CCHV= 0.100 CEHV= 0.800
 *SECNO .400

3301 HV CHANGED MORE THAN HVINS

0.40	3120.	1.	2536.	583.	1.12	2	219.	
2139.63	0.0	1.	270.	296.	0.55	0	2138.30	
6.63	0.0	1.08	9.38	1.97	2.65	2140.75	2137.90	
0.016414	0.056	0.120	0.080	0.150	0.44	-0.00	58.93	
	2133.00	240.	240.	240.	28.	191.	277.72	20.

CCHV= 0.100 CEHV= 0.500
 *SECNO .400

3301 HV CHANGED MORE THAN HVINS

BIG CREEK		100 YEAR FLOOD			D2/14/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRISW	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	ULOSS	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= 2143.80 EL.REA= 2138.50

0.40	3120.	0.	1925.	1195.	1.68	20	212.	
2140.84	2140.84	0.	147.	539.	0.55	11	2133.50	
7.84	0.0	0.0	13.11	2.21	0.81	2142.52	2135.30	
0.011321	0.056	0.120	0.045	0.150	0.28	-0.00	85.00	
	2133.00	60.	60.	60.	10.	202.	297.32	21.

*SECNO .400

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 2144.10 MAX ELIC= 2143.10

0.40	3120.	0.	1169.	1951.	0.58	13	194.	
2142.06	2141.42	0.	151.	402.	-1.10	15	2144.30	
9.06	0.0	0.0	7.75	4.86	0.01	2142.64	2144.20	
0.007296	0.056	0.050	0.035	0.050	0.11	-0.00	85.00	
	2133.00	1.	1.	1.	10.	194.	289.19	21.

*SECNO .400

3265
 3301
 3370
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GR CARDS REPEATED

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 2144.10 MAX ELIC= 2143.10

0.40	3120.	0.	1072.	2048.	0.48	2	199.
2142.26	0.0	0.	155.	438.	-0.10	0	2144.30
9.26	0.0	0.0	6.93	4.67	0.09	2142.74	2144.20
0.006233	0.056	0.050	0.035	0.050	0.01	-0.27	85.00
	2133.00	14.	14.	14.	10.	198.	292.63

*SECNO .400

BIG CREEK		100 YEAR FLOOD			02/14/81		
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID
ELEV	CRISW	ALOB	ACH	AROB	DHV	IDC	BANK ELEV
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST
							VOL

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 2144.30 ELREA= 2139.00

0.40	3120.	0.	1489.	1631.	0.57	2	235.
2142.22	0.0	0.	174.	820.	0.09	0	2133.50
9.22	0.0	0.0	8.54	1.99	0.00	2142.79	2135.30
0.003819	0.056	0.130	0.045	0.120	0.05	-0.00	85.00
	2133.00	1.	1.	1.	10.	225.	319.53

*SECNO .400

0.40	3120.	3.	2362.	755.	0.66	2	235.
2142.24	0.0	4.	317.	454.	0.09	0	2140.00
7.54	0.0	0.76	7.45	1.66	0.06	2142.90	2139.60
0.004723	0.055	0.130	0.045	0.120	0.05	-0.00	57.51
	2134.70	15.	15.	15.	29.	206.	292.41

*SECNO .570

3301 HV CHANGED MORE THAN HVINS

BIG CREEK		100 YEAR FLOOD			02/14/81		
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID
ELEV	CRISW	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

0.57	3070.	60.	3070.	0.	2.73	20	53.
2159.92	2159.92	27.	225.	0.	2.06	8	2157.50
8.92	0.0	2.21	13.38	0.0	6.64	2162.64	2160.70
0.017194	0.052	0.130	0.045	0.110	1.03	-0.00	59.19
	2151.00	820.	820.	820.	35.	18.	111.73

214
 0.00
 *SECI
 3301
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 3693
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 3470
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 345
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 *S
 32
 33
 34

LD1

*SECNO .570

3301 HV CHANGED MORE THAN HVINS

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 2164.00 ELREA= 2160.20

0.57	3070.	0.	2920.	150.	0.78	3	175.
2162.39	0.0	0.	403.	177.	-1.95	0	2153.80
14.09	0.0	0.0	7.25	0.85	0.32	2163.16	2160.70
0.002594	0.052	0.130	0.045	0.110	0.20	-0.00	82.00
	2148.30	60.	60.	60.	17.	158.	256.56

*SECNO .570

3265 DIVIDED FLOW

3370 NORMAL BRIDGE,NRD= 4 MIN ELTRD= 2163.10 MAX ELIC= 2162.30

0.57	3070.	0.	2672.	398.	0.69	2	172.
2162.48	0.0	0.	377.	166.	-0.09	0	2164.50
14.18	0.0	0.0	7.09	2.40	0.00	2163.17	2163.10
0.006686	0.052	0.060	0.040	0.060	0.01	-29.23	82.00
	2148.30	1.	1.	1.	17.	159.	257.74

*SECNO .570

*GR CARDS REPEATED

3265 DIVIDED FLOW

BIG CREEK		100 YEAR FLOOD			02/14/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRINS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLCB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

3370 NORMAL BRIDGE,NRD= 4 MIN ELTRD= 2163.10 MAX ELIC= 2162.30

0.57	3070.	0.	2612.	458.	0.65	2	173.
2162.61	0.0	0.	377.	184.	-0.04	0	2164.50
14.31	0.0	0.0	6.93	2.49	0.08	2163.26	2163.10
0.006392	0.052	0.060	0.040	0.060	0.00	-33.52	82.00
	2148.30	13.	13.	13.	17.	159.	257.37

*SECNO .570

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 2164.50 ELREA= 2160.70

0.57	3070.	0.	2917.	153.	0.75	2	175.
2162.57	0.0	0.	409.	203.	0.10	0	2153.80
14.27	0.0	0.0	7.14	0.75	0.00	2163.32	2160.70
0.002465	0.052	0.090	0.045	0.130	0.05	-0.00	82.00

14.27 0.0 0.0 0.045 0.130 0.05 -0.00 82.00
 0.002465 0.052 0.090 0.045 0.130 0.05 -0.00 82.00

MO1									
2148.30	1.	1.	1.	17.	159.	257.27	32.		
*SECNO .570									
0.57	3070.	226.	2638.	206.	1.16	2	201.		
2162.41	0.0	71.	284.	185.	0.41	0	2157.50		
9.22	0.0	3.17	9.29	1.11	0.05	2163.58	2160.70		
0.00015	0.052	0.090	0.045	0.130	0.21	-0.00	55.73		
	2153.20	15.	15.	15.	38.	163.	257.03	32.	
*SECNO .820									
3301 HV CHANGED MORE THAN HVINS									
BIG CREEK 100 YEAR FLOOD 02/14/81									
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID		
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV		
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT		
SLOPE	WTN	XNL	XNCH	XNR	OLSS	CORAR	SSTA		
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL	
3685 20 TRIALS ATTEMPTED WSEL CWSEL									
3693 PROBABLE MINIMUM SPECIFIC ENERGY									
3720 CRITICAL DEPTH ASSUMED									
0.82	3005.	3.	2823.	179.	2.39	20	82.		
2184.54	2184.54	2.	221.	61.	1.23	11	2182.60		
7.95	0.0	1.43	12.79	2.92	12.51	2186.94	2180.00		
0.025236	0.054	0.130	0.060	0.130	0.61	-0.00	98.00		
	2176.60	1160.	1160.	1160.	20.	62.	179.73	43.	
*SECNO .820									
*** GR CARDS REPEATED									
3301 HV CHANGED MORE THAN HVINS									
3495 OVBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 2186.00 ELREA= 2184.20									
0.82	3005.	0.	2787.	218.	1.55	3	110.		
2185.89	0.0	0.	269.	140.	-0.85	0	2182.60		
9.29	0.0	0.0	10.35	1.55	0.42	2187.44	2180.00		
0.00534	0.054	0.130	0.040	0.130	0.08	-0.00	100.00		
	2176.60	40.	40.	40.	18.	92.	209.55	44.	
SPECIAL BRIDGE									
SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS	
	1.25	1.60	3.00	0.0	21.60	0.01	184.00	0.30	
	ELCHU	ELCHD							
	2176.60	2176.60							
*SECNO .820									
*** GR CARDS REPEATED									

SLC
 7185 I
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A02

3301 HV CHANGED MORE THAN HVINS

BIG CREEK		100 YEAR FLOOD			02/14/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XLN	XLCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2192.52	2187.44	0.00	1256.	1768.	184.	184.	2184.30

ELTRD
2185.70

0.82	3005.	10.	2660.	336.	0.97	3	139.	
2187.22	0.0	11.	317.	257.	-0.58	0	2182.60	
10.62	0.0	0.87	8.39	1.31	0.75	2188.19	2180.00	
0.002977	0.054	0.130	0.040	0.130	0.0	-0.00	95.24	
	2176.60	23.	23.	23.	23.	116.	234.27	44.

*SECNO .820

GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

BIG CREEK		100 YEAR FLOOD			02/14/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XLN	XLCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

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

0.82	3005.	2.	2854.	149.	2.49	20	81.	
2186.92	2186.92	2.	220.	60.	1.52	15	2185.00	
7.92	0.0	1.12	12.98	2.48	0.06	2189.41	2182.40	
0.018151	0.054	0.140	0.050	0.130	0.76	-0.00	98.02	
	2179.00	10.	10.	10.	20.	61.	179.18	44.

*SECNO 1.130

1.13	2915.	501.	2411.	3.	2.13	11	67.	
2221.34	2221.05	114.	190.	2.	-0.36	15	2215.00	
7.14	0.0	4.39	12.71	1.16	34.02	2223.47	2220.30	
0.025215	0.056	0.130	0.060	0.130	0.04	-0.00	52.31	
	2214.20	1605.	1605.	1605.	48.	20.	119.58	55.

*SECNO 1.130

GR CARDS REPEATED

2185.

3470 EN
0.
2187.
11.
0.0028

*SECNO

GR

3301 H

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MIL
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*SECNO

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0.02

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B02

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3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

1.13	2915.	414.	2490.	12.	1.60	2	77.
2222.61	0.0	158.	228.	12.	-0.52	0	2215.00
8.41	0.0	2.62	10.94	1.00	0.69	2224.21	2220.30
0.006512	0.056	0.130	0.040	0.130	0.05	-0.00	48.46
	2214.20	60.	60.	60.	52.	28.	128.08
							55.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	29.00	0.40	143.00	0.0
	ELCHU	ELCHD						
	2214.00	2214.00						

*SECNO 1.130

*** GR CARDS REPEATED PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELIC
2232.93	2224.34	0.14	1715.	1208.	143.	143.	2219.00
ELTRD							
2220.10							

1.13	2915.	427.	2471.	17.	1.43	3	86.
2222.95	0.0	171.	238.	17.	-0.17	0	2215.00
8.75	0.0	2.50	10.37	0.98	0.17	2224.38	2220.30
0.005518	0.055	0.130	0.040	0.130	0.0	-0.00	47.40
	2214.20	12.	12.	12.	53.	33.	133.39
							55.

*SECNO 1.130

*** GR CARDS REPEATED BIG CREEK

		100 YEAR FLOOD				02/14/81		
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRISW	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	QLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL
1.13	2915.	498.	2388.	29.	1.19	2	92.	
2223.30	0.0	184.	249.	24.	-0.24	0	2215.00	
9.10	0.0	2.70	9.60	1.19	0.09	2224.49	2220.30	
0.006967	0.055	0.140	0.050	0.130	0.02	-0.00	46.32	
	2214.20	15.	15.	15.	54.	39.	138.74	55.

*SECNO 1.410

3265 DIVIDED FLOW

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C02

3301 HV CHANGED MORE THAN HVINS

BIG CREEK		100 YEAR FLOOD			02/14/81		TOPWID		
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	BANK ELEV	
ELEV	CRISW	ALOB	ACH	AROB	DHV	IDC	LEFT/RIGHT		
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG			
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA		
	ELMIN	XLOBL	XLCH	XL0BR	WSDL	WSDR	ENDST	VOL	

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

1.41	2820.	283.	2178.	359.	2.04	20	155.		
2263.14	2263.14	88.	169.	100.	0.85	12	2256.80		
7.44	0.0	3.22	12.91	3.57	13.91	2265.18	2256.30		
0.014865	0.054	0.120	0.050	0.120	0.42	-0.00	76.91		
	2255.70	1425.	1425.	1425.	99.	56.	231.95	69.	

*SECNO 1.410

GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

1.41	2820.	375.	2078.	366.	1.22	3	162.		
2264.50	0.0	207.	203.	164.	-0.82	0	2256.80		
8.80	0.0	1.81	10.25	2.23	0.46	2265.72	2256.30		
0.004699	0.054	0.120	0.040	0.120	0.08	-0.00	73.71		
	2255.70	60.	60.	60.	102.	61.	236.16	69.	

SPECIAL BRIDGE

5227 DOWNSTREAM ELEV IS 2263.73 NOT 2264.50
 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	19.00	0.25	75.00	0.0
	ELCHU	ELCHD						
	2255.70	2255.70						

*SECNO 1.410

GR CARDS REPEATED

6870 D.S. ENERGY OF 2265.72 HIGHER THAN COMPUTED ENERGY OF 2265.40
 PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2299.63	2266.97	0.0	2355.	451.	75.	75.	2259.70
ELTRD							
2259.70							

1.41	2820.	378.	2075.	367.	1.21	3	163.		
2264.52	0.0	209.	203.	165.	-0.01	0	2256.80		
8.82	0.0	1.81	10.20	2.22	0.0	2265.72	2256.30		

D02

3685
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*SEC1

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SPE1

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8.82

0.0

1.81

10.20

D02

0.004636	0.054	0.120	0.040	0.120	0.0	-0.00	73.65	
	2255.70	13.	13.	13.	102.	61.	236.21	70.

*SECNO 1.410

1.41	2820.	522.	1845.	453.	1.03	2	164.	
2264.81	0.0	231.	186.	175.	-0.17	0	2257.80	
8.11	0.0	2.26	9.93	2.59	0.10	2265.84	2257.30	
0.011164	0.054	0.150	0.060	0.160	0.02	-0.00	72.70	
	2256.70	15.	15.	15.	103.	61.	236.74	70.

CCHV= 0.100 CEHV= 0.800

*SECNO 1.520

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

BIG CREEK		100 YEAR FLOOD			02/14/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VL0B	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL
1.52	2780.	28.	2748.	3.	1.66	7	87.	
2272.34	2271.54	17.	265.	3.	0.62	15	2267.80	
6.34	0.0	1.68	10.39	0.95	7.65	2273.99	2268.00	
0.018657	0.055	0.120	0.060	0.150	0.50	-0.00	45.99	
	2266.00	540.	540.	540.	84.	28.	157.38	75.

E02

ED2

THIS RUN EXECUTED 02/14/81 9:57:41

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 HEC2 RELEASE DATED NOV 76 UPDATED JULY 1979  
 ERROR CORR - 01,02,03  
 MODIFICATION - 50,51,52,53,54  
 ~~~~~

T1 YANCEY COUNTY NC FEMA STUDY 1275
 T2 100 YEAR FLOODWAY 1280
 T3 BIG CREEK 100 YEAR FLOODWAY 1285

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ	
	0.	6.	0.	0.	D.C	0.	0.0	0.	2101.10	0.0	1290
J2	NPROF	IPI OT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE	
	15.	0.	-10.	0.	0.	0.0	0.0	0.	0.	0.	1295

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 HEC2  
 ERROR  
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NOTE-
 INDICA
 BIG CR
 SUMMAR

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FD2

F02

*PROF 2

UHV= 0.100 CEHV= 0.500

*SECNO .040

BIG CREEK		100 YEAR FLOODWA		02/14/81					
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID		
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV		
DEPTH	WSELK	VLQB	VCH	VROB	HL	EG	LEFT/RIGHT		
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA		
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL	

3470 ENCROACHMENT STATIONS=	185.0	235.0	TYPE=	1	TARGET=	50.000		
0.04	3220.	3.	3204.	13.	1.57	0	50.	
2101.10	0.0	2.	318.	8.	0.50	0	2099.20	
8.80	2100.10	1.38	10.07	1.54	0.0	2102.67	2097.50	
0.013339	0.0	0.110	0.060	0.150	0.0	-0.00	185.00	
	2092.30	0.	0.	0.	25.	25.	235.00	0.

*SECNO .040

3470 ENCROACHMENT STATIONS= 185.0 235.0 TYPE= 1 TARGET= 50.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELREA= 2102.90 ELREA= 2103.00

0.04	3220.	0.	3220.	0.	1.88	2	38.	
2101.47	0.0	0.	293.	0.	0.31	0	2099.20	
9.17	2100.82	0.0	10.99	0.0	0.53	2103.35	2093.90	
0.006188	0.039	0.110	0.040	0.120	0.15	-0.00	187.00	
	2092.30	60.	60.	60.	19.	19.	225.00	0.

SPECIAL BRIDGE

SB	HK	XKOR	COFG	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	30.00	0.01	305.00	0.43
	ELCHU	ELCHD						
	2092.30	2092.30						

*SECNO .040

3700. BRIDGE STENCL= 185.00 STENCR= 235.00

GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2104.24	2103.35	0.00	12.	3215.	305.	305.	2101.30
	ELTRD						
	2103.40						

NOTE: QWEIR IS GREATER THAN 0 AND ELEV IS LESS THAN ELTRD

G02

*** NOTE: QWEIR IS GREATER THAN 0 AND ELEV IS LESS THAN ELTRD ***

602

3470 ENCROACHMENT STATIONS= 185.0 235.0 TYPE= 1 TARGET= 50.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 2103.40 ELREA= 2103.50

0.04	3220.	0.	3220.	0.	1.34	4	38.
2102.89	0.0	0.	347.	0.	-0.54	0	2099.20
10.59	2101.90	0.0	9.28	0.0	0.88	2104.23	2093.90
0.003524	0.039	0.110	0.040	0.120	0.0	-0.00	187.00
	2092.30	13.	13.	13.	19.	19.	225.00

*SECNO .040

3470 ENCROACHMENT STATIONS= 185.0 235.0 TYPE= 1 TARGET= 50.000

0.04	3220.	10.	3188.	22.	0.86	2	50.
2103.48	0.0	7.	425.	16.	-0.47	0	2099.20
11.18	2102.87	1.40	7.50	1.39	0.06	2104.34	2097.50
0.005015	0.042	0.110	0.060	0.120	0.05	-0.00	185.00
	2092.30	15.	15.	15.	25.	25.	235.00

CCHV= 0.100 CEHV= 0.800

*SECNO .240

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

BIG CREEK		100 YEAR FLOODWA			02/14/81		
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID
ELEV	CRISWS	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= 185.0 235.0 TYPE= 1 TARGET= 50.000

0.24	3165.	0.	3160.	5.	2.68	20	48.
2123.17	2123.17	0.	240.	3.	1.82	14	2123.00
7.07	2123.18	0.02	13.15	1.66	11.03	2125.85	2121.30
0.033046	0.059	0.150	0.060	0.150	1.45	-0.00	186.81
	2116.10	1070.	1070.	1070.	23.	25.	235.00

*SECNO .250

*** GR CARDS REPEATED

BIG CREEK		100 YEAR FLOODWA			02/14/81		
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID
ELEV	CRISWS	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

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SUMMARY

CAUTION

CAUTION

PROBABL

CAUTION

2D TRI/

CAUTION

CAUTION

PROBABL

CAUTION

2D TRI.

CAUTION

CAUTION

CAUTION

CAUTION

CAUTION

PROBAE

CAUTION

2D TRI

CAUTION

CAUTION

PROBA

CAUTION

2D TR.

CAUTION

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7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

CAUTION
20 TR

H02

3470 ENCROACHMENT STATIONS=								185.0	235.0	TYPE=	1	TARGET=	50.000
0.25	3160.	0.	3155.	5.	2.67	3	48.						
2127.07	2127.07	0.	240.	3.	-0.01	5	2126.90						
7.07	2127.08	0.02	13.13	1.66	1.65	2129.74	2125.20						
0.032913	0.059	0.150	0.060	0.150	0.00	-0.00	186.81						
	2120.00	50.	50.	50.	23.	25.	235.00					9.	

CCHV= 0.100 CEHV= 0.500
*SECNO .340

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=								200.0	300.0	TYPE=	1	TARGET=	100.000
0.34	3135.	519.	2333.	283.	1.28	3	100.						
2136.20	0.0	130.	226.	113.	-1.39	0	2132.00						
7.80	2135.76	4.00	10.34	2.51	7.60	2137.48	2132.60						
0.010584	0.056	0.070	0.050	0.130	0.14	-0.00	200.00						
	2128.40	440.	440.	440.	50.	50.	300.00					13.	

*SECNO .340

3470 ENCROACHMENT STATIONS=								200.0	300.0	TYPE=	1	TARGET=	100.000
0.34	3135.	496.	2350.	289.	1.48	3	100.						
2136.44	0.0	147.	211.	134.	0.20	0	2131.30						
8.04	2135.96	3.38	11.16	2.15	0.34	2137.92	2131.20						
0.006974	0.056	0.090	0.040	0.130	0.10	-0.00	200.00						
	2128.40	40.	40.	40.	49.	51.	300.00					13.	

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	30.00	0.30	172.00	0.0
	ELCHU	ELCHD						
	2128.40	2128.40						

*SECNO .340
3700. BRIDGE STENCL= 200.00 STENCR= 300.00

GR CARDS REPEATED
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2144.69	2138.02	0.09	1620.	1528.	172.	172.	2134.20
	ELTRD						
	2134.30						

3470 ENCROACHMENT STATIONS=								200.0	300.0	TYPE=	1	TARGET=	100.000
0.34	3135.	532.	2280.	323.	1.07	3	100.						
2137.33	0.0	177.	237.	166.	-0.41	0	2131.30						
8.93	2137.10	3.00	9.60	1.94	0.48	2138.40	2131.20						
0.004403	0.056	0.090	0.040	0.130	0.0	-0.00	200.00						

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CAUTION

0.00410 0.00

102

2128.40 12. 12. 12. 49. 51. 300.00 14.

*SECNO .340

BIG CREEK		100 YEAR FLOODWA					02/14/81		
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID		
ELEV	CRISW	ALOB	ACH	AROB	DHV	IDC	BANK ELEV		
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT		
SLOPE	WTN	XLN	XLCH	XNR	OLOSS	CORAR	SSTA		
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL	

3470 ENCROACHMENT STATIONS=	200.0	300.0	TYPE=	1	TARGET=	100.000		
0.34	3135.	544.	2242.	349.	1.18	2	100.	
2137.34	0.0	128.	223.	111.	0.11	0	2133.20	
7.74	2137.08	4.26	10.04	3.15	0.07	2138.52	2133.80	
0.012232	0.056	0.090	0.055	0.110	0.06	-0.00	200.00	
	2129.60	10.	10.	10.	50.	50.	300.00	14.

CCHV= 0.100 CEHV= 0.800

*SECNO .400

3470 ENCROACHMENT STATIONS=	60.0	230.0	TYPE=	1	TARGET=	170.000		
0.40	3120.	2.	2507.	611.	0.83	3	170.	
2140.40	0.0	2.	310.	321.	-0.36	0	2138.30	
7.41	2139.63	0.96	8.09	1.90	2.67	2141.23	2137.90	
0.010167	0.056	0.120	0.060	0.150	0.04	-0.00	60.00	
	2133.00	240.	240.	240.	27.	143.	230.00	17.

CCHV= 0.100 CEHV= 0.500

*SECNO .400

3301 HV CHANGED MORE THAN HVINS

BIG CREEK		100 YEAR FLOODWA					02/14/81		
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID		
ELEV	CRISW	ALOB	ACH	AROB	DHV	IDC	BANK ELEV		
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT		
SLOPE	WTN	XLN	XLCH	XNR	OLOSS	CORAR	SSTA		
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL	

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

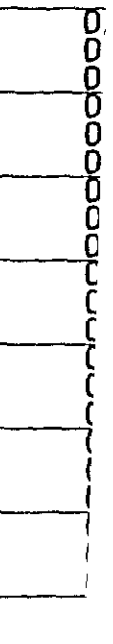
3470 ENCROACHMENT STATIONS=	60.0	230.0	TYPE=	1	TARGET=	170.000		
3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELREA=					2143.80	ELREA=	2138.50	
0.40	3120.	0.	2081.	1039.	1.99	20	145.	
2141.07	2141.07	0.	151.	430.	1.16	8	2133.50	
8.07	2140.84	0.0	13.75	2.42	0.66	2143.06	2135.30	
0.011967	0.056	0.120	0.045	0.150	0.58	-0.00	85.00	
	2133.00	60.	60.	60.	10.	135.	230.00	18.

*SECNO .400

3700. BRIDGE STENCL= 60.00 STENCR= 230.00

FLOODWA PROFILE

STAT1



J02

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 2144.10 MAX ELLC= 2143.10

3470 ENCROACHMENT STATIONS=		60.0	230.0	TYPE=	1	TARGET=	170.000	
0.40	3120.	0.	1055.	2065.	0.53	12	140.	
2142.68	2141.49	0.	160.	380.	-1.46	13	2144.30	
9.68	2142.06	0.0	6.60	5.73	0.01	2143.21	2144.20	
0.006695	0.056	0.050	0.035	0.050	0.15	-3.30	85.00	
	2133.00	1.	1.	1.	10.	135.	230.00	18.

*SECNO .400

*** GR CARDS REPEATED

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 2144.10 MAX ELLC= 2143.10

3470 ENCROACHMENT STATIONS=		60.0	230.0	TYPE=	1	TARGET=	170.000	
0.40	3120.	0.	996.	2124.	0.49	0	141.	
2142.81	0.0	0.	161.	396.	-0.04	0	2144.30	
9.81	2142.26	0.0	6.19	5.36	0.09	2143.30	2144.20	
0.006231	0.056	0.050	0.035	0.050	0.00	-5.02	85.00	
	2133.00	14.	14.	14.	10.	135.	230.00	18.

*SECNO .400

BIG CREEK		100 YEAR FLOODWA		02/14/81				
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

3470 ENCROACHMENT STATIONS= 60.0 230.0 TYPE= 1 TARGET= 170.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 2144.30 ELREA= 2139.00

0.40	3120.	0.	1682.	1438.	0.74	2	145.	
2142.69	0.0	0.	184.	633.	0.24	0	2133.50	
9.69	2142.22	0.0	9.15	2.27	0.00	2143.43	2135.30	
0.004085	0.056	0.130	0.045	0.120	0.12	-0.00	85.00	
	2133.00	1.	1.	1.	10.	135.	230.00	18.

*SECNO .400

3470 ENCROACHMENT STATIONS= 60.0 230.0 TYPE= 1 TARGET= 170.000

0.40 3120. 1. 2425. 693. 0.58 2 170.

K02

2140.00

K02

2142.92	0.0	3.	352.	417.	-0.15	0	2140.00	
8.22	2142.24	0.56	6.90	1.66	0.06	2143.50	2139.60	
0.003518	0.055	0.130	0.045	0.120	0.02	-0.00	60.00	
	2134.70	15.	15.	15.	27.	143.	230.00	18.

*SECNO .570

3301 HV CHANGED MORE THAN HVINS

BIG CREEK		100 YEAR FLOODWA			02/14/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRISW	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VL0B	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

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

3470 ENCROACHMENT STATIONS=	70.0	130.0	TYPE=	1	TARGET=	60.000		
0.57	3070.	21.	3049.	0.	2.99	20	47	
2159.76	2159.76	10.	219.	0.	2.40	8	2157.50	
8.76	2159.92	2.07	13.91	0.0	5.61	2162.74	2160.70	
0.019048	0.052	0.130	0.045	0.110	1.20	-0.00	70.00	
	2151.00	820.	820.	820.	24.	17.	111.48	27.

*SECNO .570

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=	70.0	130.0	TYPE=	1	TARGET=	60.000		
0.57	3070.	0.	3043.	27.	0.87	3	48.	
2162.43	0.0	0.	404.	27.	-2.11	0	2153.80	
14.13	2162.39	0.0	7.53	0.98	0.35	2163.30	2160.70	
0.002781	0.052	0.130	0.045	0.110	0.21	-0.00	82.00	
	2148.30	60.	60.	60.	17.	31.	130.00	28.

*SECNO .570

3700. BRIDGE STENCL= 70.00 STENCR= 130.00

3265 DIVIDED FLOW

3370 NORMAL BRIDGE, NRD= 1/4 MIN ELTRD= 2163.10 MAX ELLC= 2162.30

3470 ENCROACHMENT STATIONS=	70.0	130.0	TYPE=	1	TARGET=	60.000		
0.57	3070.	0.	3053.	17.	1.01	2	44.	
2162.37	0.0	0.	377.	9.	0.14	0	2164.50	
14.07	2162.48	0.0	8.10	1.93	0.00	2163.38	2163.10	
0.008731	0.052	0.060	0.040	0.060	0.07	-25.37	82.00	
	2148.30	1.	1.	1.	17.	31.	130.00	28.

L02

*SECNO .570

GR CARDS REPEATED

3265 DIVIDED FLOW

BIG CREEK		100 YEAR FLOODWA			D2/14/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRWS	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	XL OBL	XLCH	XL OBR	WSDL	WSDR	ENDST	VOL

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 2163.10 MAX ELLC= 2162.30

3470 ENCROACHMENT STATIONS=		70.0	130.0	TYPE=	1	TARGET=	60.000	
0.57	3070.	0.	3049.	21.	1.01	2	45.	
2162.48	0.0	0.	377.	10.	-0.00	0	2164.50	
14.18	2162.61	0.0	8.09	2.03	0.11	2163.49	2163.10	
0.008710	0.052	0.060	0.040	0.060	0.00	-79.22	82.00	
	2148.30	13.	13.	13.	17.	31.	130.00	28.

*SECNO .570

3470 ENCROACHMENT STATIONS= 70.0 130.0 TYPE= 1 TARGET= 60.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 2164.50 ELREA= 2160.70

0.57	3070.	0.	3043.	27.	0.84	2	48.	
2162.68	0.0	0.	412.	31.	-0.17	0	2153.80	
14.38	2162.57	0.0	7.38	0.87	0.00	2163.51	2160.70	
0.002604	0.052	0.090	0.045	0.130	0.02	-0.00	82.00	
	2148.30	1.	1.	1.	17.	31.	130.00	28.

*SECNO .570

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=		70.0	130.0	TYPE=	1	TARGET=	60.000	
0.57	3070.	62.	2968.	40.	1.69	2	60.	
2162.32	0.0	23.	280.	29.	0.85	0	2157.50	
9.12	2162.41	2.68	10.59	1.37	0.06	2164.00	2160.70	
0.007951	0.052	0.090	0.045	0.130	0.42	-0.00	70.00	
	2153.20	15.	15.	15.	24.	36.	130.00	28.

*SECNO .820

3301 HV CHANGED MORE THAN HVINS

BIG CREEK		100 YEAR FLOODWA			D2/14/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	

MD2

SLOPE	WTN ELMIN	XNL XLOBL	XNCH XLCH	XNR XLOBR	OLOSS WSDL	CORAR WSDR	SSTA ENDST	VOL
7185 MINIMUM SPECIFIC ENERGY								
3720 CRITICAL DEPTH ASSUMED								
3470 ENCROACHMENT STATIONS= 100.0 200.0 TYPE= 1 TARGET= 100.000								
0.82	3005.	0.	2821.	184.	2.40	16	79.	
2184.53	2184.53	0.	220.	61.	0.72	11	2182.60	
7.93	2184.54	0.0	12.81	3.03	15.44	2186.93	2180.00	
0.027161	0.054	0.130	0.060	0.130	0.36	-0.00	100.00	
	2176.60	1160.	1160.	1160.	18.	61.	179.40	36.

*SECNO .820

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS= 100.0 200.0 TYPE= 1 TARGET= 100.000								
3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 2186.00 ELREA= 2184.20								
0.82	3005.	0.	2778.	227.	1.51	2	100.	
2185.93	0.0	0.	271.	141.	-0.89	0	2182.60	
9.33	2185.89	0.0	10.26	1.61	0.42	2187.44	2180.00	
0.005495	0.054	0.130	0.040	0.130	0.09	-0.00	100.00	
	2176.60	40.	40.	40.	18.	82.	200.00	37.

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	21.60	0.01	184.00	0.30
	ELCHU	ELCHD						
	2176.60	2176.60						

*SECNO .820

3700. BRIDGE STENCL= 100.00 STENCR= 200.00

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

BIG CREEK		100 YEAR FLOODWA				02/14/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID		
ELEV	CRINS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV		
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT		
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA		
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL	

PRESSURE WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2192.55	2187.44	0.00	1135.	1875.	184.	184.	2184.30

ELTRD

A03

2185.70

3470 ENCROACHMENT STATIONS=		100.0	200.0	TYPE=	1	TARGET=	100.000	
0.82	3005.	0.	2612.	393.	0.83	3	100.	
2187.67	0.0	0.	333.	252.	-0.68	0	2182.60	
11.07	2187.22	0.0	7.84	1.56	1.07	2188.50	2180.00	
0.002878	0.054	0.130	0.040	0.130	0.0	-0.00	100.00	
	2176.60	23.	23.	23.	18.	82.	200.00	37.

*SECNO .820

GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

BIG CREEK		100 YEAR FLOODWA			02/14/81			
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VL OB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XNL	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XL OBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=		100.0	200.0	TYPE=	1	TARGET=	100.000	
0.82	3005.	0.	2850.	155.	2.47	3	80.	
2186.93	2186.93	0.	220.	61.	1.63	15	2185.00	
7.93	2186.92	0.0	12.93	2.55	0.06	2189.40	2182.40	
0.019195	0.054	0.140	0.050	0.130	0.82	-0.00	100.00	
	2179.00	10.	10.	10.	18.	62.	179.51	37.

*SECNO 1.130

3470 ENCROACHMENT STATIONS=		75.0	125.0	TYPE=	1	TARGET=	50.000	
1.13	2915.	261.	2647.	7.	2.45	5	46.	
2221.74	0.0	59.	202.	5.	-0.01	0	2215.00	
7.54	2221.34	4.44	13.12	1.42	34.79	2224.20	2220.30	
0.024778	0.056	0.130	0.060	0.130	0.00	-0.00	75.00	
	2214.20	1605.	1605.	1605.	25.	21.	121.34	47.

*SECNO 1.130

GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=		75.0	125.0	TYPE=	1	TARGET=	50.000	
1.13	2915.	176.	2719.	20.	1.83	2	50.	
2223.10	0.0	72.	243.	17.	-0.63	0	2215.00	
8.90	2222.60	2.43	11.21	1.21	0.67	2224.93	2220.30	
0.006288	0.056	0.130	0.040	0.130	0.06	-0.00	75.00	
	2214.20	60.	60.	60.	25.	25.	125.00	48.

B03

B03

SPECIAL BRIDGE

SB	HK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	29.00	0.40	143.00	0.0
	ELCHU	ELCHD						
	2214.00	2214.00						

*SECNO 1.130

3700. BRIDGE STENCL= 75.00 STENCR= 125.00

*** GR CARDS REPEATED
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2233.43	2225.09	0.17	1537.	1379.	143.	143.	2219.00
ELTRD							
2220.10							

3470 ENCROACHMENT STATIONS= 75.0 125.0 TYPE= 1 TARGET= 50.000

1.13	2915.	173.	2710.	32.	1.49	3	50.	
2223.92	0.0	81.	267.	25.	-0.34	0	2215.00	
9.72	2222.95	2.14	10.14	1.28	0.49	2225.41	2220.30	
0.004517	0.055	0.130	0.040	0.130	0.0	-0.00	75.00	
	2214.20	12.	12.	12.	25.	25.	125.00	48.

*SECNO 1.130

*** GR CARDS REPEATED

BIG CREEK								100 YEAR FLOODWA		02/14/81	
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID				
ELEV	CRWS	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= 75.0 125.0 TYPE= 1 TARGET= 50.000

1.13	2915.	197.	2675.	43.	1.37	2	50.	
2224.14	0.0	85.	274.	27.	-0.12	0	2215.00	
9.94	2223.30	2.38	9.78	1.58	0.08	2225.50	2220.30	
0.006366	0.055	0.140	0.050	0.130	0.01	-0.00	75.00	
	2214.20	15.	15.	15.	25.	25.	125.00	48.

*SECNO 1.410

3301 HV CHANGED MORE THAN HVINS

BIG CREEK								100 YEAR FLOODWA		02/14/81	
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID				
ELEV	CRWS	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			

C03

3685 2D TRIALS ATTEMPTED WSEL CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=		150.0	200.0	TYPE=	1	TARGET=	50.000
1.41	2820.	249.	2274.	297.	2.80	20	50.
2262.54	2262.54	54.	154.	59.	1.43	19	2256.80
6.84	2263.14	4.61	14.78	5.01	15.20	2265.35	2256.30
0.022033	0.054	0.120	0.050	0.120	0.72	0.0	150.00
	2255.70	1425.	1425.	1425.	26.	24.	200.00
							58.

*SECNO 1.410

*** GR CARDS REPEATED

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=		150.0	200.0	TYPE=	1	TARGET=	50.000
1.41	2820.	232.	2330.	257.	1.81	3	50.
2264.28	0.0	77.	197.	80.	-0.99	0	2256.80
8.58	2264.50	3.03	11.81	3.21	0.65	2266.10	2256.30
0.006462	0.054	0.120	0.040	0.120	0.10	-0.00	150.00
	2255.70	60.	60.	60.	26.	24.	200.00
							59.

SPECIAL BRIDGE

5227 DOWNSTREAM ELEV IS 2263.73 NOT 2264.28
 HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

SB	HK	XKOR	COFR	RDLEN	BWC	BWP	BAREA	SS
	1.25	1.60	3.00	0.0	19.00	0.25	75.00	0.0
	ELCHU	ELCHD						
	2255.70	2255.70						

*SECNO 1.410

3700. BRIDGE STENCL= 150.00 STENCR= 200.00

*** GR CARDS REPEATED
 PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TAREA	ELLC
2299.41	2267.57	0.0	2084.	748.	75.	75.	2259.70
	ELTRD						
	2259.70						

3470 ENCROACHMENT STATIONS=		150.0	200.0	TYPE=	1	TARGET=	50.000
1.41	2820.	243.	2316.	261.	1.37	3	50.
2265.38	0.0	91.	225.	93.	-0.44	0	2256.80
9.68	2264.52	2.67	10.30	2.80	0.65	2266.76	2256.30
0.004130	0.054	0.120	0.040	0.120	0.0	-0.00	150.00
	2255.70	13.	13.	13.	26.	24.	200.00
							59.

D03

*SECNO 1.410

3470 ENCROACHMENT STATIONS=		150.0	200.0	TYPE=	1	TARGET=	50.000	
1.41	2820.	307.	2201.	312.	1.50	2	50.	
2265.42	0.0	86.	201.	89.	0.13	0	2257.80	
8.72	2264.81	3.55	10.96	3.50	0.10	2266.92	2257.30	
0.012258	0.054	0.150	0.060	0.160	0.06	-0.00	150.00	
	2256.70	15.	15.	15.	26.	24.	200.00	59.

CCHV= 0.100 CEHV= 0.800

*SECNO 1.520

BIG CREEK		100 YEAR FLOODWA		02/14/81				
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	TOPWID	
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC	BANK ELEV	
DEPTH	WSELK	VLOB	VCH	VROB	HL	EG	LEFT/RIGHT	
SLOPE	WTN	XLN	XNCH	XNR	OLOSS	CORAR	SSTA	
	ELMIN	XLOBL	XLCH	XLOBR	WSDL	WSDR	ENDST	VOL

3470 ENCROACHMENT STATIONS=		100.0	160.0	TYPE=	1	TARGET=	60.000	
1.52	2780.	27.	2748.	5.	1.44	4	59.	
2272.73	0.0	12.	284.	5.	-0.06	0	2267.80	
6.73	2272.34	2.20	9.69	0.93	7.25	2274.17	2268.00	
0.014774	0.055	0.120	0.060	0.150	0.01	-0.00	100.00	
	2266.00	540.	540.	540.	30.	29.	158.64	63.

E03

ED3

THIS RUN EXECUTED 02/14/81 9:57:46

HEC2 RELEASE DATED NOV 76 UPDATED JULY 1979
 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/

BIG CREEK

SUMMARY PRINTOUT TABLE 110

SECNO	CWSEL	DIFKWS	EG	TOPWID	PERENC	STENCL	STENCR	STCHL	STCHR	QLOB	QCH	QROB
0.040	2100.10	0.0	2102.24	51.	0.	0.	0.	187.	232.	0.	3209.	10.
0.040	2101.10	1.00	2102.67	50.	50.	185.	235.	187.	232.	3.	3204.	13.
0.040	2100.82	0.0	2103.06	38.	0.	0.	0.	187.	225.	0.	3220.	0.
0.040	2101.47	0.65	2103.35	38.	50.	185.	235.	187.	225.	0.	3220.	0.
0.040	2101.90	0.0	2103.58	38.	0.	0.	0.	187.	225.	0.	3220.	0.
0.040	2102.89	0.99	2104.23	38.	50.	185.	235.	187.	225.	0.	3220.	0.
0.040	2102.87	0.0	2103.75	159.	0.	0.	0.	187.	232.	115.	3059.	46.
0.040	2103.48	0.60	2104.34	50.	50.	185.	235.	187.	232.	10.	3188.	22.
* 0.240	2123.18	0.0	2125.85	49.	0.	0.	0.	187.	232.	0.	3160.	5.
* 0.240	2123.17	-0.01	2125.85	48.	50.	185.	235.	187.	232.	0.	3160.	5.
* 0.250	2127.08	0.0	2129.74	49.	0.	0.	0.	187.	232.	0.	3155.	5.
* 0.250	2127.07	-0.00	2129.74	48.	50.	185.	235.	187.	232.	0.	3155.	5.
0.340	2135.76	0.0	2136.53	269.	0.	0.	0.	232.	267.	677.	1857.	601.
0.340	2136.20	0.44	2137.48	100.	100.	200.	300.	232.	267.	519.	2333.	283.
0.340	2135.96	0.0	2136.87	270.	0.	0.	0.	234.	264.	639.	1896.	600.
0.340	2136.44	0.47	2137.92	100.	100.	200.	300.	234.	264.	496.	2350.	289.
* 0.340	2137.10	0.0	2137.56	281.	0.	0.	0.	234.	264.	678.	1668.	789.
0.340	2137.33	0.23	2138.40	100.	100.	200.	300.	234.	264.	532.	2280.	323.
0.340	2137.08	0.0	2137.66	270.	0.	0.	0.	232.	267.	693.	1688.	753.
0.340	2137.34	0.26	2138.52	100.	100.	200.	300.	232.	267.	544.	2242.	349.
0.400	2139.63	0.0	2140.75	219.	0.	0.	0.	61.	112.	1.	2536.	583.
0.400	2140.40	0.78	2141.23	170.	170.	60.	230.	61.	112.	2.	2507.	611.
* 0.400	2140.84	0.0	2142.52	212.	0.	0.	0.	85.	105.	0.	1925.	1195.
* 0.400	2141.07	0.22	2143.06	145.	170.	60.	230.	85.	105.	0.	2081.	1039.
0.400	2142.06	0.0	2142.64	194.	0.	0.	0.	85.	105.	0.	1169.	1951.
0.400	2142.68	0.62	2143.21	140.	170.	60.	230.	85.	105.	0.	1055.	2065.

F03

SECNO CLOB QCH QROB

F03

SECNO	CMSL	DIFKMS	EG	TOPMID	PERENC	STENCL	STENCR	STCH	STCHR	QLOB	GCH	GR0B
0.400	2142.26	0.0	2142.74	199.	0.	0.	0.	85.	105.	0.	1072.	2048.
0.400	2142.81	0.55	2143.30	141.	170.	60.	230.	85.	105.	0.	996.	2124.
0.400	2142.22	0.0	2142.79	235.	0.	0.	0.	85.	105.	0.	1489.	1631.
0.400	2142.69	0.47	2143.43	145.	170.	60.	230.	85.	105.	0.	1682.	1438.
0.400	2142.24	0.0	2142.90	235.	0.	0.	0.	61.	112.	3.	2362.	755.
0.400	2142.92	0.68	2143.50	170.	170.	60.	230.	61.	112.	1.	2425.	693.
* 0.570	2159.92	0.0	2162.64	53.	0.	0.	0.	75.	113.	60.	3010.	0.
* 0.570	2159.76	-0.16	2162.74	41.	60.	70.	130.	75.	113.	21.	3049.	0.
0.570	2162.39	0.0	2163.16	175.	0.	0.	0.	82.	115.	0.	2920.	150.
0.570	2162.43	0.05	2163.30	48.	60.	70.	130.	82.	115.	0.	3043.	27.
0.570	2162.48	0.0	2163.17	172.	0.	0.	0.	82.	115.	0.	2672.	398.
0.570	2162.37	-0.12	2163.38	44.	60.	70.	130.	82.	115.	0.	3053.	17.
0.570	2162.61	0.0	2163.26	173.	0.	0.	0.	82.	115.	0.	2612.	458.
0.570	2162.48	-0.13	2163.49	45.	60.	70.	130.	82.	115.	0.	3049.	21.
0.570	2162.57	0.0	2163.32	175.	0.	0.	0.	82.	115.	0.	2917.	153.
0.570	2162.68	0.11	2163.51	48.	60.	70.	130.	82.	115.	0.	3043.	27.
0.570	2162.41	0.0	2163.58	201.	0.	0.	0.	75.	113.	226.	2638.	206.
0.570	2162.31	-0.10	2164.00	60.	60.	70.	130.	75.	113.	62.	2968.	40.
* 0.820	2184.54	0.0	2186.94	82.	0.	0.	0.	100.	136.	3.	2823.	179.
* 0.820	2184.53	-0.01	2186.93	79.	100.	100.	200.	100.	136.	0.	2821.	184.
0.820	2185.89	0.0	2187.44	110.	0.	0.	0.	100.	136.	0.	2787.	218.
0.820	2185.93	0.03	2187.44	100.	100.	100.	200.	100.	136.	0.	2778.	227.
0.820	2187.22	0.0	2188.15	139.	0.	0.	0.	100.	136.	10.	2660.	336.
0.820	2187.67	0.45	2188.50	100.	100.	100.	200.	100.	136.	0.	2672.	393.
* 0.820	2186.92	0.0	2189.41	81.	0.	0.	0.	100.	136.	2.	2854.	149.
* 0.820	2186.93	0.01	2189.40	80.	100.	100.	200.	100.	136.	0.	2850.	155.
1.130	2221.34	0.0	2223.47	67.	0.	0.	0.	85.	115.	501.	2411.	3.
1.130	2221.74	0.40	2224.20	46.	50.	75.	125.	85.	115.	261.	2647.	7.
1.130	2222.60	0.0	2224.21	77.	0.	0.	0.	85.	115.	414.	2490.	12.
1.130	2223.10	0.50	2224.93	50.	50.	75.	125.	85.	115.	176.	2719.	20.
1.130	2222.95	0.0	2224.38	86.	0.	0.	0.	85.	115.	427.	2471.	17.
1.130	2223.92	0.98	2225.41	50.	50.	75.	125.	85.	115.	173.	2710.	32.
1.130	2223.30	0.0	2224.49	92.	0.	0.	0.	85.	115.	498.	2388.	29.
1.130	2224.14	0.83	2225.50	50.	50.	75.	125.	85.	115.	197.	2675.	45.
* 1.410	2263.14	0.0	2265.18	155.	0.	0.	0.	163.	188.	283.	2178.	359.
* 1.410	2262.54	-0.59	2265.35	50.	50.	150.	200.	163.	188.	249.	2274.	297.
1.410	2264.50	0.0	2265.72	162.	0.	0.	0.	163.	188.	375.	2078.	366.
1.410	2264.28	-0.22	2266.10	50.	50.	150.	200.	163.	188.	232.	2330.	257.

G03

SECNO	CWSEL	DIFKWS	EG	TOPWID	PERENC	STENCL	STENCR	STCH	STCHR	QLOB	QCH	QROB
* 1.410	2264.52	0.0	2265.72	163.	0.	0.	0.	163.	188.	378.	2075.	367.
* 1.410	2265.38	0.87	2266.76	50.	50.	150.	200.	163.	188.	243.	2316.	261.
1.410	2264.81	0.0	2265.84	164.	0.	0.	0.	163.	188.	522.	1845.	453.
1.410	2265.42	0.61	2266.92	50.	50.	150.	200.	163.	188.	307.	2201.	312.
1.520	2272.34	0.0	2273.99	87.	0.	0.	0.	105.	154.	28.	2748.	3.
1.520	2272.73	0.40	2274.77	59.	60.	100.	160.	105.	154.	27.	2748.	5.

SUMMARY OF ERRORS

CAUTION SECNO= 0.240 PROFILE= 1 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 0.240 PROFILE= 1
 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 0.240 PROFILE= 1
 20 TRIALS ATTEMPTED TO BALANCE WSEL
 CAUTION SECNO= 0.240 PROFILE= 2 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 0.240 PROFILE= 2
 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 0.240 PROFILE= 2
 20 TRIALS ATTEMPTED TO BALANCE WSEL
 CAUTION SECNO= 0.250 PROFILE= 1 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 0.250 PROFILE= 2 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 0.340 PROFILE= 1 HYDRAULIC JUMP D.S.
 CAUTION SECNO= 0.400 PROFILE= 1 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 0.400 PROFILE= 1
 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 0.400 PROFILE= 1
 20 TRIALS ATTEMPTED TO BALANCE WSEL
 CAUTION SECNO= 0.400 PROFILE= 2 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 0.400 PROFILE= 2
 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 0.400 PROFILE= 2
 20 TRIALS ATTEMPTED TO BALANCE WSEL
 CAUTION SECNO= 0.570 PROFILE= 1 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 0.570 PROFILE= 1
 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 0.570 PROFILE= 1
 20 TRIALS ATTEMPTED TO BALANCE WSEL
 CAUTION SECNO= 0.570 PROFILE= 2 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 0.570 PROFILE= 2
 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 0.570 PROFILE= 2
 20 TRIALS ATTEMPTED TO BALANCE WSEL
 CAUTION SECNO= 0.820 PROFILE= 1 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 0.820 PROFILE= 1
 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 0.820 PROFILE= 1
 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 0.820 PROFILE= 1
20 TRIALS ATTEMPTED TO BALANCE WSEL

H03

CAUTION SECNO= 0.820 PROFILE= 2 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 0.820 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 0.820 PROFILE= 1

PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 0.820 PROFILE= 1

20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 0.820 PROFILE= 2 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 1.410 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 1.410 PROFILE= 1

PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 1.410 PROFILE= 1

20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 1.410 PROFILE= 2 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 1.410 PROFILE= 2

PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 1.410 PROFILE= 2

20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 1.410 PROFILE= 1 HYDRAULIC JUMP D.S.

CAUTION SECNO= 1.410 PROFILE= 2 HYDRAULIC JUMP D.S.

FLOODWAY DATA 2 BIG CREEK
 PROFILE NO. 2

STATION	WIDTH (FT)	FLOODWAY SECTION AREA	MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WATER SURFACE ELEVATION WITHOUT FLOODWAY	DIFFERENCE
0.040	50.	329.	9.8	2101.1	2100.1	1.0
0.040	50.	293.	11.0	2101.5	2100.8	0.7
0.040	50.	347.	9.3	2102.9	2101.9	1.0
0.240	50.	448.	7.2	2103.5	2102.9	0.6
0.240	50.	244.	13.0	2123.2	2123.2	0.0
0.250	50.	244.	13.0	2127.1	2127.1	0.0
0.340	100.	468.	6.7	2136.2	2135.8	0.4
0.340	100.	491.	6.4	2136.4	2136.0	0.4
0.340	100.	581.	5.4	2137.3	2137.1	0.2
0.400	100.	462.	6.8	2137.3	2137.1	0.2
0.400	170.	633.	4.9	2140.4	2139.6	0.8
0.400	170.	581.	5.4	2141.1	2140.8	0.3
0.400	170.	540.	5.8	2142.7	2142.1	0.6
0.400	170.	557.	5.6	2142.8	2142.3	0.5
0.400	170.	817.	3.8	2142.7	2142.2	0.5
0.400	170.	771.	4.0	2142.9	2142.2	0.7
0.570	60.	229.	13.4	2159.9	2159.9	0.0
0.570	60.	432.	7.1	2162.4	2162.4	0.0
0.570	60.	386.	8.0	2162.5	2162.5	0.0
0.570	60.	387.	7.9	2162.6	2162.6	0.0
0.570	60.	444.	6.9	2162.7	2162.6	0.1
0.570	60.	333.	9.2	2162.4	2162.4	0.0
0.820	100.	412.	10.7	2184.5	2184.5	0.0
0.820	100.	412.	7.3	2185.9	2185.9	0.0
0.820	100.	585.	5.1	2187.7	2187.2	0.5
0.820	100.	281.	10.7	2186.9	2186.9	0.0
1.130	50.	265.	11.0	2221.7	2221.3	0.4
1.130	50.	332.	8.8	2223.1	2222.6	0.5
1.130	50.	373.	7.8	2223.9	2222.9	1.0
1.130	50.	383.	7.6	2224.1	2223.3	0.8
1.410	50.	267.	10.6	2265.1	2265.1	0.0
1.410	50.	354.	8.0	2264.5	2264.5	0.0
1.410	50.	409.	6.9	2265.4	2264.5	0.9
1.410	50.	376.	7.3	2265.4	2264.8	0.6
1.520	60.	301.	9.2	2272.7	2272.3	0.4