

\*\*\*\*\*  
 HEC2 RELEASE DATED NOV 76 UPDATED FEB1978  
 ERROR CORR - 01.02  
 MODIFICATION - 50,51,52,53,54  
 \*\*\*\*\*

T1 HENDERSON CO NC  
 T2 10 YEAR FLOOD  
 T3 HOOPERS CREEK

FINAC

J1 ICHECK INQ NINV IDIR STRT METRIC HVINS Q WSEL FQ  
 0. 2. 0. 0. 0.00100 0. 0.0 0. 0.0 0.0

J2 NPROF IPLOT PRFVS XSECV XSECH FN ALLOC IBW CHNIM ITRACE  
 0. 0. -1. 0. 0. 0.0 0.0 0. 0. 0.

J3 VARIABLE CODES FOR SUMMARY PRINTOUT  
 150.00 0.0 160.00 201.00 0.0 0.0 0.0 0.0 0.0 0.0

NC 0.070 0.070 0.060 0.1 0.5  
 QT 5. 2060. 3450. 4150. 5600. 4150. 0. 0. 0.

7.11

X1 0.22 34. 2287. 2334. 0. 0. 0. 0.0 0.0  
 GR 2092.3 0. 2087.0 36. 2084.8 117. 2082.6 227. 2083.5 268  
 GR 2083.5 360. 2084.3 408. 2083.8 572. 2084.2 619. 2081.4 790  
 GR 2079.8 877. 2078.5 946. 2077.5 1110. 2077.1 1345. 2076.8 1578  
 GR 2075.4 1785. 2076.2 2038. 2077.0 2213. 2077.8 2287. 2069.6 2297  
 GR 2069.0 2305. 2067.6 2308. 2068.0 2310. 2069.0 2315. 2069.6 2319  
 GR 2076.1 2334. 2075.7 2347. 2073.8 2353. 2075.4 2381. 2077.0 2448  
 GR 2079.2 2497. 2080.1 2555. 2080.6 2620. 2081.2 2733. 0.0  
 NC 0.070 0.120 0.060 0.0 0.0  
 QT 5. 1950. 3060. 3690. 4950. 3690. 0. 0. 0.

X1 0.86 21. 178. 243. 3100. 2700. 3400. 0.0 -3.30  
 GR 2101.9 0. 2098.7 20. 2092.3 39. 2088.6 64. 2087.0 91  
 GR 2087.0 140. 2087.9 151. 2087.6 178. 2081.5 185. 2081.2 190  
 GR 2080.8 200. 2081.3 210. 2081.5 215. 2088.3 243. 2088.3 340  
 GR 2091.7 367. 2091.0 388. 2090.6 408. 2099.2 479. 2104.8 510  
 GR 2104.6 566. 0.0 0. 0.0 0. 0.0 0. 0.0  
 QT 5. 1760. 2940. 3540. 4760. 3540. 0. 0. 0.

X1 1.14 0. 0. 0. 1400. 1400. 1400. 0.0 3.30  
 NC 0.120 0.120 0.060 0.0 0.0  
 QT 5. 1740. 2900. 3490. 4700. 3490. 0. 0. 0.

X1 1.25 18. 340. 391. 650. 500. 600. 0.0 0.0  
 GR 2124.0 100. 2113.0 160. 2093.6 205. 2090.1 240. 2090.0 340  
 GR 2088.5 340. 2082.7 350. 2082.7 355. 2082.7 360. 2082.7 360  
 GR 2082.7 371. 2088.0 372. 2090.4 391. 2089.5 575. 2090.1 720  
 GR 2091.5 840. 2096.2 960. 2123.2 1240. 0.0 0. 0.0  
 NC 0.120 0.060 0.060 0.0 0.0

X1	1.37	32.	97.	140.	400.	1000.	680.	0.0	0.0	
GR	2115.7	0.	2109.0	19.	2103.4	42.	2097.1	62.	2092.3	71
GR	2092.0	97.	2085.0	105.	2084.5	110.	2084.5	112.	2085.0	125
GR	2090.3	140.	2090.3	170.	2090.9	220.	2091.6	251.	2090.1	315
	2091.1	342.	2091.1	477.	2091.0	575.	2091.6	627.	2090.6	633
GR	2091.6	647.	2092.9	705.	2094.0	739.	2096.0	771.	2097.2	808
GR	2099.7	837.	2100.2	870.	2102.6	929.	2104.1	962.	2105.1	1013
GR	2106.8	1084.	2108.3	1215.	0.0	0.	0.0	0.	0.0	
NC	0.150	0.150	0.050	0.0	0.0					
QT	5.	1700.	2820.	3400.	4580.	3400.	0.	0.	0.	

X1	1.42	26.	279.	360.	200.	180.	200.	0.0	-1.80	
X3	10.	0.0	0.0	0.	0.0	0.	0.0	2093.5	2093.5	
GR	2110.9	0.	2098.7	44.	2095.8	92.	2094.8	171.	2094.8	227
GR	2095.7	234.	2095.3	242.	2094.4	259.	2095.1	268.	2097.4	275
GR	2091.7	290.	2089.0	304.	2088.5	310.	2087.9	319.	2088.5	325
GR	2089.0	331.	2097.3	360.	2092.9	364.	2093.0	428.	2093.4	477
GR	2094.4	509.	2095.1	622.	2094.0	741.	2094.8	813.	2095.3	907
GR	2105.0	1000.	0.0	0.	0.0	0.	0.0	0.	0.0	
QT	5.	1670.	2790.	3340.	4500.	3340.	0.	0.	0.	

X1	1.50	0.	0.	0.	400.	400.	400.	0.0	1.60	
X3	10.	0.0	0.0	0.	0.0	0.	0.0	2095.2	2095.2	
QT	5.	1650.	2750.	3300.	4450.	3300.	0.	0.	0.	

X1	1.58	0.	0.	0.	400.	400.	400.	0.0	0.20	
X3	10.	0.0	0.0	0.	0.0	0.	0.0	2096.4	2096.4	

X1	1.58	27.	279.	360.	50.	50.	50.	0.0	0.0	
X3	10.	0.0	0.0	0.	0.0	0.	0.0	2097.7	2097.7	
GR	2110.9	0.	2098.7	44.	2095.8	92.	2094.8	171.	2094.8	227
GR	2095.7	234.	2095.3	242.	2094.4	259.	2095.1	268.	2097.4	275
GR	2095.4	280.	2094.0	290.	2089.5	299.	2088.0	309.	2086.9	325
GR	2088.0	325.	2096.4	340.	2097.5	360.	2093.0	363.	2093.0	428
GR	2093.4	477.	2094.4	509.	2095.1	622.	2094.0	741.	2094.8	813
GR	2095.3	902.	2105.0	1000.	0.0	0.	0.0	0.	0.0	
SB	1.25	1.50	3.00	0.	30.00	2.00	340.00	0.42	2086.9	2086.

X1	1.58	0.	0.	0.	30.	30.	30.	0.0	0.0	
X2	0.	0.0	1.	2097.4	2098.4	0.0	0.	0.0	0.0	
X3	10.	0.0	0.0	0.	0.0	0.	0.0	2098.4	2098.4	
BT	11.0	0.0	2110.9	0.0	22.0	2104.3	0.0	165.0	2099.0	0.
BT	284.0	2099.1	0.0	284.0	2099.4	2097.4	361.0	2099.4	2097.4	361.
BT	2099.1	0.0	441.0	2098.4	0.0	707.0	2099.0	0.0	947.0	2099.
BT	0.0	1000.0	2105.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
NC	0.080	0.090	0.045	0.0	0.0					

X1	1.58	25.	279.	335.	20.	20.	20.	0.0	0.0	
GR	2110.9	0.	2098.7	44.	2095.8	92.	2094.8	171.	2094.8	227
	2095.7	234.	2095.3	242.	2094.4	259.	2095.1	268.	2097.4	275
GR	2091.7	290.	2089.0	304.	2088.5	310.	2087.9	319.	2088.5	325
GR	2089.0	331.	2093.5	335.	2092.9	364.	2093.0	428.	2093.4	477
GR	2094.4	509.	2095.1	622.	2094.0	741.	2094.8	813.	2095.3	907
GR	2105.0	1000.	0.0	0.	0.0	0.	0.0	0.	0.0	
NC	0.070	0.070	0.060	0.0	0.0					
QT	5.	1640.	2730.	3290.	4430.	3290.	0.	0.	0.	

X1	1.62	39.	355.	407.	170.	170.	170.	0.0	-1.00	0
X5	-1.	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GR	2111.5	0.	2111.5	12.	2104.6	25.	2100.7	45.	2099.1	88
GR	2098.1	239.	2098.8	272.	2097.7	306.	2097.7	321.	2099.0	336
GR	2099.0	355.	2095.7	367.	2090.9	371.	2090.3	375.	2089.4	379
GR	2090.3	385.	2090.9	388.	2098.7	407.	2098.7	420.	2097.4	426
GR	2097.8	475.	2097.8	541.	2096.7	575.	2097.4	629.	2097.8	682
GR	2098.7	740.	2099.4	852.	2100.7	888.	2101.9	923.	2103.5	977
GR	2103.8	1018.	2104.6	1082.	2104.9	1131.	2106.6	1229.	2109.2	1245
GR	2110.2	1281.	2111.7	1303.	2113.4	1329.	0.0	0.	0.0	0
NC	0.070	0.070	0.065	0.0	0.0					
QT	5.	1630.	2720.	3280.	4420.	3280.	0.	0.	0.	

X1	1.76	0.	0.	0.	730.	730.	730.	0.0	0.0	0
NC	0.070	0.070	0.060	0.0	0.0					
QT	5.	1600.	2690.	3230.	4350.	3230.	0.	0.	0.	

X1	2.10	41.	392.	458.	1580.	1210.	1580.	0.0	-0.50	0
GR	2118.7	0.	2113.3	7.	2110.3	53.	2112.7	78.	2112.1	107
GR	2111.0	122.	2105.2	153.	2105.9	165.	2106.3	183.	2105.0	232
GR	2105.5	255.	2104.9	284.	2103.0	336.	2102.3	384.	2103.9	392
GR	2096.9	409.	2096.5	415.	2096.2	420.	2096.5	425.	2096.9	432
GR	2103.7	458.	2104.0	544.	2104.6	605.	2105.5	636.	2106.3	663
GR	2107.3	681.	2107.3	692.	2108.6	701.	2109.4	709.	2109.4	724
GR	2111.0	738.	2111.7	769.	2112.1	799.	2112.1	849.	2111.6	918
GR	2112.8	992.	2113.7	1043.	2114.3	1095.	2116.2	1142.	2117.7	1191
GR	2119.8	1253.	0.0	0.	0.0	0.	0.0	0.	0.0	0
QT	5.	1600.	2690.	3230.	4340.	3230.	0.	0.	0.	

X1	2.21	0.	0.	0.	550.	550.	550.	0.0	0.50	0
----	------	----	----	----	------	------	------	-----	------	---

X1	2.21	0.	0.	0.	40.	40.	40.	0.0	0.0	0
X3	10.	0.0	0.0	0.	0.0	0.	0.0	2108.0	2108.0	
SB	1.25	1.60	3.00	0.	45.00	2.00	804.00	2.20	2096.2	2096.

X1	2.21	49.	409.	488.	30.	30.	30.	0.0	0.0	0
X2	0.	0.0	1.	2107.9	2109.7	0.0	0.	0.0	0.0	0
X3	10.	0.0	0.0	0.	0.0	0.	0.0	2110.0	2110.0	
BT	31.0	0.0	2129.9	0.0	17.0	2125.5	0.0	43.0	2122.8	0.
BT	60.0	2121.6	0.0	76.0	2124.5	0.0	110.0	2127.2	0.0	143.
BT	2125.2	0.0	191.0	2123.5	0.0	215.0	2120.9	0.0	230.0	2118.
BT	0.0	244.0	2117.4	0.0	278.0	2110.5	0.0	385.0	2109.7	0.
BT	395.0	2109.6	0.0	395.0	2111.5	2110.3	485.0	2111.5	2110.3	485.
BT	2109.6	0.0	585.0	2110.2	0.0	685.0	2111.0	0.0	785.0	2111.
BT	0.0	885.0	2117.9	0.0	985.0	2114.4	0.0	1099.0	2116.4	0.
BT	1144.0	2118.9	0.0	1194.0	2121.6	0.0	1240.0	2124.0	0.0	1289.
BT	2126.6	0.0	1350.0	2128.2	0.0	1402.0	2128.2	0.0	1472.0	2127.
BT	0.0	1513.0	2129.5	0.0	0.0	0.0	0.0	0.0	0.0	0.
GR	2129.9	0.	2125.5	17.	2122.8	43.	2121.6	60.	2124.5	76
GR	2127.2	110.	2125.2	143.	2123.5	191.	2120.9	215.	2118.2	230
GR	2117.4	244.	2107.7	292.	2106.7	309.	2105.5	323.	2104.5	333
GR	2104.5	357.	2105.5	368.	2104.7	409.	2097.9	436.	2097.4	440
GR	2096.6	445.	2097.3	450.	2097.9	457.	2098.2	470.	2104.2	488
GR	2104.9	515.	2104.3	558.	2105.5	578.	2107.3	610.	2108.9	649
GR	2109.6	695.	2110.1	747.	2109.4	790.	2108.6	810.	2108.4	857
GR	2109.4	896.	2110.7	946.	2112.0	983.	2113.7	1025.	2115.8	1059
GR	2116.4	1099.	2118.9	1144.	2121.6	1194.	2124.0	1240.	2126.6	1289
GR	2128.2	1350.	2128.2	1402.	2127.3	1472.	2129.5	1513.	0.0	0

NC	0.070	0.070	0.070	0.0	0.0	10.	10.	0.0	0.0
QT	5.	1570.	2630.	3190.	4280.	3190.	0.	0.	0.

X1	2.62	31.	578.	727.	2050.	2050.	2050.	0.0	0.0	
GR	2129.7	0.	2127.2	21.	2124.2	46.	2120.8	109.	2119.1	14
	2117.5	165.	2120.8	182.	2119.5	321.	2116.8	340.	2115.5	61
GR	2112.0	624.	2111.0	637.	2110.0	648.	2111.4	678.	2103.9	69
GR	2103.0	696.	2102.4	703.	2103.0	709.	2103.9	718.	2111.7	72
GR	2110.1	742.	2109.1	751.	2109.1	787.	2109.9	885.	2110.6	93
GR	2111.7	1001.	2113.0	1078.	2115.4	1155.	2118.7	1205.	2122.1	125
GR	2127.7	1327.	0.0	0.	0.0	0.	0.0	0.	0.0	
NC	0.070	0.070	0.060	0.0	0.0					
QT	5.	1570.	2610.	3180.	4250.	3180.	0.	0.	0.	

X1	2.80	15.	530.	560.	1700.	1850.	1850.	0.0	-2.90	
GR	2150.0	60.	2117.3	140.	2116.3	170.	2116.0	180.	2115.5	19
GR	2117.7	480.	2115.5	530.	2110.8	531.	2110.0	542.	2110.8	55
GR	2115.5	560.	2117.5	570.	2119.5	650.	2136.5	840.	2150.0	108
NC	0.120	0.070	0.055	0.0	0.0					
QT	5.	1550.	2600.	3160.	4210.	3160.	0.	0.	0.	

X1	3.03	0.	0.	0.	1150.	1150.	1150.	0.0	2.90
NC	0.070	0.070	0.060	0.0	0.0				
QT	5.	1520.	2570.	3130.	4170.	3130.	0.	0.	0.

X1	3.25	28.	590.	643.	600.	200.	500.	0.0	0.0	
GR	2134.8	0.	2130.4	22.	2126.2	53.	2122.9	91.	2122.8	12
GR	2121.8	142.	2122.8	158.	2123.6	194.	2124.0	225.	2122.1	26
GR	2120.9	304.	2120.8	373.	2121.4	459.	2121.4	590.	2113.5	60
GR	2112.2	620.	2113.0	620.	2113.5	630.	2120.5	643.	2121.9	72
GR	2122.5	775.	2124.0	817.	2126.2	856.	2128.7	876.	2136.1	89
GR	2140.4	927.	2142.2	968.	2142.2	1038.	0.0	0.	0.0	
NC	0.070	0.070	0.065	0.0	0.0					
QT	5.	1250.	2100.	2570.	3420.	2570.	0.	0.	0.	

X1	3.57	24.	242.	276.	1610.	1000.	1610.	0.0	0.0	
GR	2144.8	0.	2141.1	6.	2136.6	15.	2135.8	39.	2133.5	9
GR	2132.2	118.	2128.4	148.	2127.4	206.	2127.5	242.	2122.0	24
GR	2121.5	253.	2120.7	255.	2121.5	260.	2122.0	265.	2127.4	27
GR	2128.5	338.	2129.1	433.	2131.6	483.	2136.3	509.	2139.5	53
GR	2142.1	573.	2143.6	620.	2144.5	667.	2146.5	697.	0.0	

X1	3.57	24.	210.	290.	40.	40.	40.	0.0	0.0	
X3	10.	0.0	0.0	0.	0.0	0.	0.0	2131.0	2131.0	
GR	2144.8	0.	2141.1	6.	2136.6	15.	2135.8	39.	2133.5	9
GR	2132.2	118.	2128.4	148.	2127.4	206.	2127.5	210.	2125.5	23
GR	2122.4	238.	2121.1	258.	2123.0	280.	2127.5	282.	2127.6	29
GR	2128.5	338.	2129.1	433.	2131.6	483.	2136.3	509.	2139.5	53
GR	2142.1	573.	2143.6	620.	2144.5	667.	2146.5	697.	0.0	
SB	1.25	1.60	3.00	0.	27.00	2.00	365.00	1.80	2121.1	2121

X1	3.57	0.	0.	0.	30.	30.	30.	0.0	0.0	
X2	0.	0.0	1.	2130.0	2131.1	0.0	0.	0.0	0.0	
X3	10.	0.0	0.0	0.	0.0	0.	0.0	2132.0	2132.0	
BT	19.0	0.0	2144.8	0.0	6.0	2141.1	0.0	15.0	2136.6	0
BT	39.0	2135.8	0.0	92.0	2133.5	0.0	104.0	2132.8	0.0	210
BT	2132.0	0.0	210.0	2133.5	0.0	289.0	2133.5	0.0	289.0	2131
BT	0.0	394.0	2131.7	0.0	473.0	2131.1	0.0	482.0	2131.6	0

BT	2143.6	0.0	667.0	2144.5	0.0	697.0	2146.5	0.0	0.0	0
X1	3.57	24.	242.	276.	10.	10.	10.	0.0	0.0	
GR	2144.8	0.	2141.1	6.	2136.6	15.	2135.8	39.	2133.5	9
GR	2132.2	118.	2128.4	148.	2127.4	206.	2127.5	242.	2122.0	24
GR	2121.5	253.	2120.7	255.	2121.5	260.	2122.0	265.	2127.4	27
GR	2128.5	338.	2129.1	433.	2131.6	483.	2136.3	509.	2139.5	53
GR	2142.1	573.	2143.6	620.	2144.5	667.	2146.5	697.	0.0	
QT	5.	1230.	2090.	2540.	3400.	2540.	0.	0.	0.	
X1	3.70	0.	0.	0.	650.	650.	650.	0.0	0.70	
QT	5.	1210.	2070.	2500.	3350.	2500.	0.	0.	0.	
X1	3.80	0.	0.	0.	530.	530.	530.	0.0	3.50	
NC	0.070	0.070	0.060	0.0	0.0					
QT	5.	1180.	2000.	2450.	3280.	2450.	0.	0.	0.	
X1	4.03	28.	137.	191.	620.	1020.	1020.	0.0	0.0	
GR	2152.2	0.	2146.2	12.	2135.8	35.	2135.8	47.	2136.3	6
GR	2134.6	87.	2134.3	104.	2135.2	123.	2135.9	137.	2129.5	14
GR	2129.0	148.	2128.2	152.	2129.0	155.	2129.5	158.	2130.7	16
GR	2135.5	191.	2137.2	269.	2137.2	367.	2139.7	396.	2143.7	41
GR	2146.8	437.	2148.5	474.	2147.8	497.	2147.0	533.	2147.5	57
GR	2148.4	615.	2150.4	649.	2151.6	671.	0.0	0.	0.0	
NC	0.100	0.080	0.060	0.0	0.0					
QT	5.	1140.	1960.	2380.	3180.	2380.	0.	0.	0.	
X1	4.30	25.	57.	102.	800.	1600.	1400.	0.0	-3.00	
GR	2160.3	0.	2155.0	16.	2146.4	24.	2143.8	35.	2142.8	5
GR	2139.7	61.	2139.2	65.	2138.8	69.	2139.2	74.	2139.7	8
GR	2142.7	102.	2142.3	139.	2140.7	145.	2141.6	164.	2142.7	20
GR	2143.7	241.	2144.7	289.	2145.1	330.	2145.0	390.	2146.2	41
GR	2153.1	441.	2156.9	458.	2156.9	467.	2161.3	474.	2163.3	50
QT	5.	1130.	1950.	2370.	3150.	2370.	0.	0.	0.	
X1	4.36	0.	0.	0.	300.	300.	300.	0.0	3.00	
QT	5.	1120.	1920.	2330.	3130.	2330.	0.	0.	0.	
X1	4.45	24.	111.	151.	500.	500.	500.	0.0	-5.40	
GR	2170.6	0.	2163.7	12.	2156.9	28.	2155.9	63.	2154.3	9
GR	2153.1	111.	2148.1	121.	2147.5	126.	2146.8	130.	2147.5	13
GR	2148.1	139.	2151.9	151.	2152.4	171.	2154.8	191.	2158.6	21
GR	2159.9	224.	2159.9	233.	2156.3	248.	2157.7	269.	2159.2	30
GR	2159.6	333.	2162.0	385.	2163.1	413.	2171.9	432.	0.0	
NC	0.120	0.120	0.060	0.0	0.0					
X1	4.50	0.	0.	0.	400.	400.	400.	0.0	2.20	
X1	4.62	0.	0.	0.	800.	800.	800.	0.0	3.20	
NC	0.120	0.120	0.060	0.0	0.0					
QT	5.	1090.	1890.	2280.	3060.	2280.	0.	0.	0.	
X1	4.78	15.	99.	130.	600.	1000.	900.	0.0	0.0	
GR	2179.6	0.	2167.5	30.	2167.0	52.	2165.1	78.	2160.9	8
GR	2158.0	98.	2157.8	106.	2157.6	112.	2157.8	120.	2158.0	12

\*PROF 1

CCHV= 0.100 CEHV= 0.500  
\* ( ) CND .220  
2096 WSEL NDT GIVEN, AVG OF MAX, MIN USED

3265 DIVIDED FLOW

HOOPERS CREEK		10 YEAR FLOOD			10/22/79		TOPWID
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	BANK ELE
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC	LEFT/RIGHT
DEPTH	WSELK	VLOB	VCH	VROR	HL	EG	SSTA
SLOPE	WTN	XNL	XNCH	XNR	DLSS	CDRAR	ENDST
	ELMIN	XLOBL	XLCH	XLORR	WSDL	WSDR	
0.22	2060.	1025.	788.	247.	0.05	0	1361.
2077.66	0.0	1248.	305.	221.	0.50	0	2077.80
10.06	0.0	0.82	2.58	1.12	0.0	2077.70	2076.10
0.001011	0.0	0.070	0.060	0.070	0.0	0.0	1084.41
	2067.60	0.	0.	0.	1226.	149.	2459.10

\*SECND .860

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

0.86	1950.	70.	1880.	0.	0.53	4	149.
2084.48	0.0	47.	302.	0.	0.53	0	2084.30
6.98	0.0	1.48	6.22	0.0	7.09	2085.06	2085.00
0.008259	0.062	0.070	0.060	0.120	0.27	0.0	78.49
	2077.50	3100.	3400.	2700.	132.	30.	240.83

\*SECND 1.140

\*\*\* GR CARDS REPEATED

1.14	1760.	331.	1363.	66.	0.14	4	292.
2089.48	0.0	238.	413.	121.	-0.44	0	2087.60
8.68	0.0	1.39	3.30	0.55	4.52	2089.62	2088.30
0.001610	0.062	0.070	0.060	0.120	0.04	0.0	58.07
	2080.80	1400.	1400.	1400.	152.	140.	350.01

\*SECND 1.250

1.25	1740.	80.	1304.	356.	0.28	3	564.
2090.98	0.0	96.	257.	392.	0.14	0	2090.00
8.28	0.0	0.83	4.89	0.91	1.57	2091.26	2090.40
0.005156	0.061	0.120	0.060	0.120	0.07	0.0	231.25
	2082.70	650.	600.	500.	134.	429.	795.00

\* ( ) CND 1.370

HOOPERS CREEK		10 YEAR FLOOD			10/22/79		TOPWID
MILE	Q	QLOB	QCH	QROB	HV	ITRIAL	BANK ELE
ELEV	CRWS	ALOB	ACH	AROB	DHV	IDC	LEFT/RIGHT
DEPTH	WSELK	VLOB	VCH	VROR	HL	EG	SSTA
SLOPE	WTN	XNL	XNCH	XNR	DLSS	CDRAR	ENDST
	ELMIN	XLOBL	XLCH	XLORR	WSDL	WSDR	

HADPERS CREEK

SUMMARY PRINTOUT TABLE 150

SECNUM	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRHS	EG	10K*5	VCH	AREA	.01K
0.220	0.	0.0	0.0	2067.6	2060.0	2077.66	0.0	2077.70	10.11	2.58	1775.17	647.86
0.220	0.	0.0	0.0	2067.6	3450.0	2078.34	0.0	2078.38	9.95	2.73	2755.87	1093.74
0.220	0.	0.0	0.0	2067.6	4150.0	2078.62	0.0	2078.66	9.89	2.79	3181.57	1319.95
0.220	0.	0.0	0.0	2067.6	5600.0	2079.10	0.0	2079.15	10.01	2.92	3936.25	1770.22
0.860	3400.	0.0	0.0	2077.5	1950.0	2084.48	0.0	2085.06	82.59	6.22	369.70	214.57
0.860	3400.	0.10	0.0	2077.5	3060.0	2085.18	2084.23	2086.06	115.87	7.90	485.39	284.27
0.860	3400.	0.0	0.0	2077.5	3690.0	2085.48	2085.10	2086.49	127.99	8.62	571.87	326.17
0.860	3400.	0.0	0.0	2077.5	4950.0	2086.03	2085.81	2087.24	143.10	9.70	729.85	413.79
1.140	1400.	0.0	0.0	2080.8	1760.0	2089.48	0.0	2089.62	16.10	3.30	771.08	438.66
1.140	1400.	0.0	0.0	2080.8	2940.0	2090.87	0.0	2091.03	16.22	3.78	1192.13	730.01
1.140	1400.	0.0	0.0	2080.8	3540.0	2091.45	0.0	2091.62	16.24	3.97	1393.21	878.47
1.140	1400.	0.0	0.0	2080.8	4760.0	2092.42	0.0	2092.61	16.62	4.33	1762.47	1167.72
1.250	600.	0.0	0.0	2082.7	1740.0	2090.98	0.0	2091.26	51.56	4.89	754.98	242.32
1.250	600.	0.0	0.0	2082.7	2900.0	2092.19	0.0	2092.37	34.25	4.58	1499.61	495.50
1.250	600.	0.0	0.0	2082.7	3490.0	2092.71	0.0	2092.87	29.85	4.50	1838.20	638.80
1.250	600.	0.0	0.0	2082.7	4700.0	2093.65	0.0	2093.78	24.89	4.47	2466.66	942.08
1.370	680.	0.0	0.0	2084.5	1700.0	2092.83	0.0	2092.90	10.79	2.90	1272.38	517.57
1.370	680.	0.0	0.0	2084.5	2840.0	2093.78	0.0	2093.85	10.74	3.17	1887.55	866.50
1.370	680.	0.0	0.0	2084.5	3430.0	2094.21	0.0	2094.28	10.55	3.26	2176.25	1055.92
1.370	680.	0.0	0.0	2084.5	4610.0	2095.01	0.0	2095.08	10.04	3.40	2719.36	1454.57
1.420	200.	0.0	0.0	2086.1	1700.0	2093.01	0.0	2093.50	49.92	5.62	302.74	240.61
1.420	200.	0.0	0.0	2086.1	2820.0	2094.00	0.0	2094.33	39.12	5.41	1315.88	450.85
1.420	200.	0.0	0.0	2086.1	3400.0	2094.43	0.0	2094.74	37.37	5.46	1662.05	556.15
1.420	200.	0.0	0.0	2086.1	4580.0	2095.23	0.0	2095.49	33.59	5.47	2318.13	790.28
1.500	400.	0.0	0.0	2087.7	1670.0	2094.89	0.0	2095.31	40.67	5.20	321.45	261.88
1.500	400.	0.0	0.0	2087.7	2790.0	2095.57	0.0	2095.91	39.52	5.42	1290.73	443.80
1.500	400.	0.0	0.0	2087.7	3340.0	2095.95	0.0	2096.27	38.99	5.55	1595.72	534.91
1.500	400.	0.0	0.0	2087.7	4500.0	2096.64	0.0	2096.94	38.08	5.75	2157.67	729.21
1.580	400.	0.0	0.0	2087.9	1650.0	2096.21	0.0	2096.47	21.21	4.11	401.84	358.31
1.580	400.	0.0	0.0	2087.9	2750.0	2096.74	0.0	2096.87	15.47	3.64	2076.65	699.27
1.580	400.	0.0	0.0	2087.9	3300.0	2097.12	0.0	2097.25	16.11	3.82	2399.42	822.09
1.580	400.	0.0	0.0	2087.9	4450.0	2097.80	0.0	2097.94	17.12	4.19	2978.65	1075.55

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CMSL	CRINS	EG	10K*5	VCH	AREA	.01K
1.580	50-	0.0	0.0	2086.9	1650.0	2096.27	0.0	2096.65	30.68	4.94	336.22	297.89
1.580	50-	0.0	0.0	2086.9	2750.0	2096.46	0.0	2097.44	78.73	7.95	345.74	309.94
1.580	50-	0.0	0.0	2086.9	3300.0	2096.71	0.0	2098.00	107.10	9.12	361.79	318.88
1.580	50-	0.0	0.0	2086.9	4450.0	2097.92	0.0	2098.04	20.33	4.07	3007.38	987.04
1.580	30-	2098.4	2097.4	2086.9	1650.0	2096.33	0.0	2096.70	29.74	4.89	337.72	302.54
1.580	30-	2098.4	2097.4	2086.9	2750.0	2097.39	0.0	2098.09	60.93	6.69	411.05	352.31
1.580	30-	2098.4	2097.4	2086.9	3300.0	2098.87	0.0	2098.91	5.58	2.36	3838.60	1397.29
1.580	30-	2098.4	2097.4	2086.9	4450.0	2099.68	0.0	2099.73	6.08	2.67	4571.25	1833.98
1.580	20-	0.0	0.0	2087.9	1650.0	2096.72	0.0	2096.75	3.20	1.99	2077.48	922.64
1.580	20-	0.0	0.0	2087.9	2750.0	2098.14	0.0	2098.17	2.61	2.01	3295.97	1703.52
1.580	20-	0.0	0.0	2087.9	3300.0	2098.89	0.0	2098.91	2.22	1.97	3957.31	2213.16
1.580	20-	0.0	0.0	2087.9	4450.0	2099.71	0.0	2099.74	2.45	2.20	4693.20	2845.08
1.620	170-	0.0	0.0	2088.4	1640.0	2096.82	2095.01	2097.53	114.27	7.02	302.80	153.42
1.620	170-	0.0	0.0	2088.4	2730.0	2098.14	0.0	2098.40	53.52	5.27	956.47	373.18
1.620	170-	0.0	0.0	2088.4	3290.0	2098.93	0.0	2099.05	24.98	3.94	1565.44	658.24
1.620	170-	0.0	0.0	2088.4	4430.0	2099.76	0.0	2099.85	16.90	3.53	2258.38	1077.50
1.760	730-	0.0	0.0	2088.4	1630.0	2098.88	0.0	2098.91	6.96	1.91	1525.42	617.65
1.760	730-	0.0	0.0	2088.4	2720.0	2099.61	0.0	2099.64	7.98	2.20	2118.63	962.58
1.760	730-	0.0	0.0	2088.4	3280.0	2099.97	0.0	2100.01	7.91	2.27	2424.30	1166.22
1.760	730-	0.0	0.0	2088.4	4420.0	2100.62	0.0	2100.66	7.78	2.39	2988.26	1584.50
2.100	1580-	0.0	0.0	2095.7	1600.0	2101.30	0.0	2102.34	201.33	8.17	195.88	112.76
2.100	1580-	0.0	0.0	2095.7	2690.0	2102.19	2102.04	2104.03	302.17	10.90	251.87	154.75
2.100	1580-	0.0	0.0	2095.7	3230.0	2102.93	2102.93	2104.64	256.06	10.67	334.78	201.85
2.100	1580-	0.0	0.0	2095.7	4350.0	2104.20	2104.20	2105.40	153.31	9.55	624.58	351.32
2.210	550-	0.0	0.0	2095.2	1600.0	2104.76	0.0	2104.92	19.47	3.43	646.00	362.64
2.210	550-	0.0	0.0	2095.2	2690.0	2106.22	0.0	2106.34	14.42	3.43	1245.44	708.42
2.210	550-	0.0	0.0	2095.2	3230.0	2106.68	0.0	2106.80	13.81	3.50	1490.61	869.28
2.210	550-	0.0	0.0	2095.2	4340.0	2107.31	0.0	2107.44	15.20	3.86	1819.18	1113.11
2.210	40-	0.0	0.0	2096.2	1600.0	2104.80	0.0	2105.07	29.14	4.19	381.47	296.38
2.210	40-	0.0	0.0	2096.2	2690.0	2106.11	0.0	2106.63	41.99	5.74	468.53	415.10
2.210	40-	0.0	0.0	2096.2	3230.0	2106.50	0.0	2107.16	50.90	6.54	494.11	452.74
2.210	40-	0.0	0.0	2096.2	4340.0	2106.96	0.0	2108.02	75.72	8.28	524.35	498.76
2.210	10-	0.0	0.0	2096.6	1600.0	2104.82	0.0	2105.07	29.60	3.94	405.68	294.68
2.210	10-	0.0	0.0	2096.6	2690.0	2106.44	0.0	2106.67	23.52	4.22	444.04	322.57
2.210	10-	0.0	0.0	2096.6	3230.0	2106.98	0.0	2107.23	22.79	4.38	839.49	554.67
2.210	10-	0.0	0.0	2096.6	4340.0	2107.85	0.0	2108.12	23.09	4.75	1271.76	903.12
2.210	30-	2109.7	2107.9	2096.6	1600.0	2104.82	0.0	2105.10	27.96	3.86	444.04	322.57
2.210	30-	2109.7	2107.9	2096.6	2690.0	2106.16	0.0	2106.63	38.83	5.26	511.64	431.67
2.210	30-	2109.7	2107.9	2096.6	3230.0	2106.56	0.0	2107.16	45.81	5.94	543.70	477.21
2.210	30-	2109.7	2107.9	2096.6	4340.0	2107.08	0.0	2108.10	65.05	7.42	584.80	538.12
2.620	2050-	0.0	0.0	2102.4	1570.0	2111.06	0.0	2111.23	32.01	3.78	598.15	277.49
2.620	2050-	0.0	0.0	2102.4	2630.0	2112.07	0.0	2112.24	31.71	4.09	963.22	467.08
2.620	2050-	0.0	0.0	2102.4	3190.0	2112.49	0.0	2112.66	31.20	4.21	1134.15	571.13
2.620	2050-	0.0	0.0	2102.4	4280.0	2113.24	0.0	2113.41	28.96	4.33	1468.86	795.33



SECNTI	XLCH	ELTRD	FLLC	ELMIN	Q	CANSEL	CRIMS	EG	10K*5	VCH	AREA	.01K
2.800	1850.	0.0	0.0	2107.1	1570.0	2115.37	0.0	2115.46	17.78	3.40	894.46	372.32
2.800	1850.	0.0	0.0	2107.1	2610.0	2116.26	0.0	2116.35	17.17	3.63	1326.61	629.91
2.800	1850.	0.0	0.0	2107.1	3180.0	2116.64	0.0	2116.74	17.23	3.76	1526.66	766.05
2.800	1850.	0.0	0.0	2107.1	4250.0	2117.28	0.0	2117.39	17.49	3.98	1854.68	1166.12
3.030	1150.	0.0	0.0	2110.0	1550.0	2118.03	0.0	2118.28	33.77	5.00	787.71	266.74
3.030	1150.	0.0	0.0	2110.0	2600.0	2118.94	0.0	2119.19	35.99	5.63	1220.74	433.37
3.030	1150.	0.0	0.0	2110.0	3160.0	2119.34	0.0	2119.60	36.33	5.86	1425.02	524.28
3.030	1150.	0.0	0.0	2110.0	4210.0	2120.02	0.0	2120.27	36.71	6.21	1764.14	694.86
3.250	500.	0.0	0.0	2112.2	1520.0	2120.10	0.0	2120.55	54.64	5.41	281.13	205.64
3.250	500.	0.0	0.0	2112.2	2570.0	2121.33	2118.62	2122.11	79.30	7.22	420.18	288.60
3.250	500.	0.0	0.0	2112.2	3130.0	2121.77	2121.33	2122.58	81.09	7.62	594.38	347.59
3.250	500.	0.0	0.0	2112.2	4170.0	2122.42	0.0	2123.14	75.22	7.79	904.57	480.82
3.570	1610.	0.0	0.0	2120.7	1250.0	2128.85	0.0	2129.17	53.51	5.02	368.39	170.88
3.570	1610.	0.0	0.0	2120.7	2100.0	2130.10	0.0	2130.31	35.30	4.65	740.91	353.46
3.570	1610.	0.0	0.0	2120.7	2570.0	2130.51	0.0	2130.72	34.93	4.80	872.98	434.82
3.570	1610.	0.0	0.0	2120.7	3420.0	2131.03	0.0	2131.27	38.13	5.25	1049.02	553.82
3.570	40.	0.0	0.0	2121.1	1250.0	2129.17	0.0	2129.31	20.09	2.99	418.33	278.86
3.570	40.	0.0	0.0	2121.1	2100.0	2130.20	0.0	2130.48	31.15	4.19	501.16	376.23
3.570	40.	0.0	0.0	2121.1	2570.0	2130.58	0.0	2130.94	38.48	4.84	531.19	414.28
3.570	40.	0.0	0.0	2121.1	3420.0	2131.22	0.0	2131.38	20.20	3.74	1250.13	760.94
3.570	30.	2131.1	2130.0	2121.1	1250.0	2129.18	0.0	2129.32	19.91	2.98	419.46	280.11
3.570	30.	2131.1	2130.0	2121.1	2100.0	2130.80	0.0	2131.03	23.07	3.83	548.76	437.19
3.570	30.	2131.1	2130.0	2121.1	2570.0	2131.47	0.0	2131.75	25.42	4.27	602.18	509.71
3.570	30.	2131.1	2130.0	2121.1	3420.0	2132.55	0.0	2132.63	8.33	2.69	1732.03	1185.29
3.570	10.	0.0	0.0	2120.7	1250.0	2129.17	0.0	2129.39	36.70	4.31	455.20	206.33
3.570	10.	0.0	0.0	2120.7	2100.0	2130.96	0.0	2131.06	15.32	3.31	1024.34	536.47
3.570	10.	0.0	0.0	2120.7	2570.0	2131.70	0.0	2131.79	12.38	3.15	1285.57	730.50
3.570	10.	0.0	0.0	2120.7	3420.0	2132.55	0.0	2132.64	11.73	3.27	1600.24	998.71
3.700	650.	0.0	0.0	2121.4	1230.0	2130.70	0.0	2130.77	13.67	2.86	704.98	332.63
3.700	650.	0.0	0.0	2121.4	2090.0	2131.88	0.0	2131.96	12.58	3.05	1098.62	589.31
3.700	650.	0.0	0.0	2121.4	2540.0	2132.48	0.0	2132.56	11.40	3.05	1312.73	752.23
3.700	650.	0.0	0.0	2121.4	3400.0	2133.30	0.0	2133.39	11.25	3.21	1616.75	1013.65
3.800	530.	0.0	0.0	2124.9	1210.0	2132.02	2130.53	2133.84	149.89	7.36	184.36	98.83
3.800	530.	0.0	0.0	2124.9	2070.0	2133.08	2133.01	2133.92	142.89	8.22	374.07	173.17
3.800	530.	0.0	0.0	2124.9	2530.0	2133.57	0.0	2133.65	115.79	7.81	512.97	232.33
3.800	530.	0.0	0.0	2124.9	3350.0	2134.37	0.0	2134.86	84.09	7.21	760.93	365.31
4.030	1020.	0.0	0.0	2128.2	1180.0	2136.92	0.0	2137.05	19.31	3.20	498.54	268.55
4.030	1020.	0.0	0.0	2128.2	2000.0	2137.95	0.0	2138.10	20.47	3.71	816.05	442.03
4.030	1020.	0.0	0.0	2128.2	2450.0	2138.25	0.0	2138.43	23.12	4.07	922.04	509.50
4.030	1020.	0.0	0.0	2128.2	3280.0	2138.73	0.0	2138.95	27.06	4.61	1094.61	630.52
4.300	1400.	0.0	0.0	2135.8	1140.0	2140.98	0.0	2141.16	52.00	4.15	403.28	158.09
4.300	1400.	0.0	0.0	2135.8	1960.0	2141.98	0.0	2142.19	46.78	4.62	651.43	286.57
4.300	1400.	0.0	0.0	2135.8	2280.0	2142.44	0.0	2142.63	42.49	4.69	813.07	365.11
4.300	1400.	0.0	0.0	2135.8	3180.0	2143.14	0.0	2143.34	38.06	4.84	1081.09	515.47

SECNO	XLCH	FLTRD	ELLC	FLMIN	Q	CMSEL	CRIMS	EG	10K*5	VCH	AREA	.0IK
4.360	300.	0.0	0.0	2138.8	1130.0	2143.28	0.0	2143.70	141.84	5.94	262.81	94.88
4.360	300.	0.0	0.0	2138.8	1930.0	2144.07	0.0	2144.56	136.33	6.82	421.73	167.01
4.360	300.	0.0	0.0	2138.8	2370.0	2144.37	0.0	2144.90	137.25	7.21	492.45	202.30
4.360	300.	0.0	0.0	2138.8	3150.0	2144.89	0.0	2145.46	134.12	7.72	624.22	271.99
4.450	500.	0.0	0.0	2141.4	1120.0	2148.24	0.0	2148.72	73.86	5.70	222.37	130.32
4.450	500.	0.0	0.0	2141.4	1920.0	2149.40	0.0	2150.13	88.84	7.26	326.77	203.71
4.450	500.	0.0	0.0	2141.4	2330.0	2149.86	0.0	2150.69	94.11	7.86	378.24	240.18
4.450	500.	0.0	0.0	2141.4	3130.0	2150.57	0.0	2151.60	104.88	8.93	469.93	305.63
4.500	400.	0.0	0.0	2143.6	1120.0	2150.87	0.0	2151.27	55.40	5.24	257.26	150.48
4.500	400.	0.0	0.0	2143.6	1920.0	2152.40	0.0	2152.94	56.57	6.32	420.89	255.27
4.500	400.	0.0	0.0	2143.6	2330.0	2153.01	0.0	2153.61	57.24	6.75	503.94	307.96
4.500	400.	0.0	0.0	2143.6	3130.0	2154.01	0.0	2154.68	57.88	7.40	678.43	411.42
4.620	800.	0.0	0.0	2146.8	1120.0	2154.60	0.0	2154.91	37.79	4.62	306.21	182.20
4.620	800.	0.0	0.0	2146.8	1920.0	2156.24	0.0	2156.64	38.17	5.52	508.45	310.78
4.620	800.	0.0	0.0	2146.8	2330.0	2156.90	0.0	2157.33	38.27	5.86	618.92	376.64
4.620	800.	0.0	0.0	2146.8	3130.0	2157.96	0.0	2158.43	38.38	6.39	833.65	505.23
4.780	900.	0.0	0.0	2157.6	1090.0	2161.32	2161.04	2162.29	254.93	8.18	152.41	68.27
4.780	900.	0.0	0.0	2157.6	1890.0	2162.61	0.0	2163.91	218.05	9.58	234.10	127.99
4.780	900.	0.0	0.0	2157.6	2280.0	2163.13	0.0	2164.58	212.32	10.20	266.87	156.47
4.780	900.	0.0	0.0	2157.6	3060.0	2164.01	0.0	2165.79	210.80	11.36	330.71	210.76

## HOOPERS CREEK

## SUMMARY PRINTOUT TABLE 150

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
0.220	2060.	2077.7	0.0	0.0	0.0	1361.20	0.0
0.220	3450.	2078.3	0.7	0.0	0.0	1503.32	0.0
0.220	4150.	2078.6	0.3	0.0	0.0	1542.90	0.0
0.220	5600.	2079.1	0.5	0.0	0.0	1580.42	0.0
0.860	1950.	2084.5	0.0	6.8	0.0	149.26	3400.00
0.860	3060.	2085.2	0.7	6.8	0.0	276.14	3400.00
0.860	3690.	2085.5	0.3	6.9	0.0	281.94	3400.00
0.860	4950.	2086.0	0.6	6.9	0.0	289.90	3400.00
1.140	1760.	2089.5	0.0	5.0	0.0	291.94	1400.00
1.140	2940.	2090.9	1.4	5.7	0.0	327.42	1400.00
1.140	3540.	2091.4	0.6	6.0	0.0	360.78	1400.00
1.140	4760.	2092.4	1.0	6.4	0.0	384.49	1400.00
1.250	1740.	2091.0	0.0	1.5	0.0	563.74	600.00
1.250	2900.	2092.2	1.2	1.3	0.0	638.70	600.00
1.250	3490.	2092.7	0.5	1.3	0.0	657.27	600.00
1.250	4700.	2093.6	0.9	1.2	0.0	690.02	600.00
1.370	1700.	2092.8	0.0	1.9	0.0	631.93	680.00
1.370	2840.	2093.8	1.0	1.6	0.0	663.98	680.00
1.370	3430.	2094.2	0.4	1.5	0.0	674.96	680.00
1.370	4610.	2095.0	0.8	1.4	0.0	689.19	680.00
1.420	1700.	2093.0	0.0	0.2	0.0	67.31	200.00
1.420	2820.	2094.0	1.0	0.2	0.0	797.93	200.00
1.420	3400.	2094.4	0.4	0.2	0.0	814.16	200.00
1.420	4580.	2095.2	0.8	0.2	0.0	844.04	200.00
1.500	1670.	2094.9	0.0	1.9	0.0	68.80	400.00
1.500	2790.	2095.6	0.7	1.6	0.0	795.15	400.00
1.500	3340.	2096.0	0.4	1.5	0.0	811.07	400.00
1.500	4500.	2096.6	0.7	1.4	0.0	836.83	400.00
1.580	1650.	2096.2	0.0	1.3	0.0	74.87	400.00
1.580	2750.	2096.7	0.5	1.2	0.0	833.17	400.00
1.580	3300.	2097.1	0.4	1.2	0.0	847.67	400.00
1.580	4450.	2097.8	0.7	1.2	0.0	868.29	400.00
1.580	1650.	2096.3	0.0	0.1	0.0	60.21	50.00
1.580	2750.	2096.5	0.2	-0.3	0.0	61.70	50.00
1.580	3300.	2096.7	0.2	-0.4	0.0	66.39	50.00
1.580	4450.	2097.9	1.2	0.1	0.0	871.78	50.00
1.580	1650.	2096.3	0.0	0.1	0.0	60.35	30.00
1.580	2750.	2097.4	1.1	0.9	0.0	79.04	30.00
1.580	3300.	2098.9	1.5	2.2	0.0	894.66	30.00
1.580	4450.	2099.7	0.8	1.8	0.0	905.80	30.00
1.580	1650.	2096.7	0.0	0.4	0.0	835.14	20.00
1.580	2750.	2098.1	1.4	0.8	0.0	877.55	20.00
1.580	3300.	2098.9	0.7	0.0	0.0	894.96	20.00
1.580	4450.	2099.7	0.8	0.0	0.0	906.16	20.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
* 1.620	1640.	2096.8	0.0	0.1	0.0	325.15	170.00
1.620	2730.	2098.1	1.3	0.0	0.0	724.46	170.00
1.620	3290.	2098.9	0.8	0.0	0.0	801.08	170.00
1.620	4430.	2099.8	0.8	0.1	0.0	845.50	170.00
1.760	1630.	2098.9	0.0	2.1	0.0	798.35	730.00
1.760	2720.	2099.6	0.7	1.5	0.0	837.92	730.00
1.760	3280.	2100.0	0.4	1.0	0.0	852.20	730.00
1.760	4420.	2100.6	0.7	0.9	0.0	874.60	730.00
2.100	1600.	2101.3	0.0	2.4	0.0	53.64	1580.00
2.100	2690.	2102.2	0.9	2.6	0.0	88.08	1580.00
* 2.100	3230.	2102.9	0.7	3.0	0.0	129.25	1580.00
* 2.100	4350.	2104.2	1.3	3.6	0.0	319.19	1580.00
2.210	1600.	2104.8	0.0	3.5	0.0	323.32	550.00
2.210	2690.	2106.2	1.5	4.0	0.0	505.34	550.00
2.210	3230.	2106.7	0.5	3.7	0.0	524.90	550.00
2.210	4340.	2107.3	0.6	3.1	0.0	550.27	550.00
2.210	1600.	2104.8	0.0	0.0	0.0	66.00	40.00
2.210	2690.	2106.1	1.3	-0.1	0.0	66.00	40.00
2.210	3230.	2106.5	0.4	-0.2	0.0	66.00	40.00
2.210	4340.	2107.0	0.5	-0.3	0.0	66.00	40.00
2.210	1600.	2104.8	0.0	0.0	0.0	79.00	30.00
2.210	2690.	2106.2	1.3	0.0	0.0	79.00	30.00
2.210	3230.	2106.6	0.4	0.1	0.0	79.00	30.00
2.210	4340.	2107.1	0.5	0.1	0.0	79.00	30.00
2.210	1600.	2104.9	0.0	0.1	0.0	195.82	10.00
2.210	2690.	2106.4	1.6	0.3	0.0	282.67	10.00
2.210	3230.	2107.0	0.5	0.4	0.0	300.39	10.00
2.210	4340.	2107.9	0.9	0.8	0.0	332.15	10.00
2.620	1570.	2111.1	0.0	6.2	0.0	310.71	2050.00
2.620	2630.	2112.1	1.0	5.6	0.0	399.52	2050.00
2.620	3190.	2112.5	0.4	5.5	0.0	425.48	2050.00
2.620	4280.	2113.2	0.7	5.4	0.0	465.86	2050.00
2.800	1570.	2115.4	0.0	4.3	0.0	462.75	1850.00
2.800	2610.	2116.3	0.9	4.2	0.0	500.82	1850.00
2.800	3180.	2116.6	0.4	4.2	0.0	516.06	1850.00
2.800	4250.	2117.3	0.6	4.0	0.0	524.65	1850.00
3.030	1550.	2118.0	0.0	2.7	0.0	452.85	1150.00
3.030	2600.	2118.9	0.9	2.7	0.0	491.76	1150.00
3.030	3160.	2119.3	0.4	2.7	0.0	509.09	1150.00
3.030	4210.	2120.0	0.7	2.7	0.0	522.29	1150.00
3.250	1520.	2120.1	0.0	2.1	0.0	50.59	500.00
3.250	2570.	2121.3	1.2	2.4	0.0	257.78	500.00
3.250	3130.	2121.8	0.4	2.4	0.0	438.57	500.00
3.250	4170.	2122.4	0.7	2.4	0.0	527.68	500.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
3.570	1250.	2128.9	0.0	8.8	0.0	249.68	1610.00
3.570	2100.	2130.1	1.3	8.8	0.0	318.57	1610.00
3.570	2570.	2130.5	0.4	8.7	0.0	329.93	1610.00
3.570	3420.	2131.0	0.5	8.6	0.0	344.49	1610.00
3.570	1250.	2129.2	0.0	0.3	0.0	80.00	40.00
3.570	2100.	2130.2	1.0	0.1	0.0	80.00	40.00
3.570	2570.	2130.6	0.4	0.1	0.0	80.00	40.00
3.570	3420.	2131.2	0.6	0.2	0.0	349.79	40.00
3.570	1250.	2129.2	0.0	0.0	0.0	80.00	30.00
3.570	2100.	2130.8	1.6	0.6	0.0	80.00	30.00
3.570	2570.	2131.5	0.7	0.9	0.0	80.00	30.00
3.570	3420.	2132.5	1.1	1.3	0.0	377.23	30.00
3.570	1250.	2129.2	0.0	-0.0	0.0	292.48	10.00
3.570	2100.	2131.0	1.8	0.2	0.0	342.49	10.00
3.570	2570.	2131.7	0.7	0.2	0.0	361.65	10.00
3.570	3420.	2132.6	0.8	0.0	0.0	377.46	10.00
3.700	1230.	2130.7	0.0	1.5	0.0	315.41	650.00
3.700	2090.	2131.9	1.2	0.9	0.0	348.49	650.00
3.700	2540.	2132.5	0.6	0.8	0.0	362.66	650.00
3.700	3400.	2133.3	0.8	0.8	0.0	378.57	650.00
3.800	1210.	2132.0	0.0	1.3	0.0	118.50	530.00
3.800	2070.	2133.1	1.1	1.2	0.0	253.43	530.00
3.800	2500.	2133.6	0.5	1.1	0.0	297.94	530.00
3.800	3350.	2134.4	0.8	1.1	0.0	320.32	530.00
4.030	1180.	2136.9	0.0	4.9	0.0	223.67	1020.00
4.030	2000.	2137.9	1.0	4.9	0.0	345.37	1020.00
4.030	2450.	2138.2	0.3	4.7	0.0	349.59	1020.00
4.030	3280.	2138.7	0.5	4.4	0.0	356.34	1020.00
4.300	1140.	2141.0	0.0	4.1	0.0	220.48	1400.00
4.300	1960.	2142.0	1.0	4.0	0.0	288.00	1400.00
4.300	2380.	2142.4	0.5	4.2	0.0	372.14	1400.00
4.300	3180.	2143.1	0.7	4.4	0.0	391.49	1400.00
4.360	1130.	2143.3	0.0	2.3	0.0	177.43	300.00
4.360	1950.	2144.1	0.8	2.1	0.0	224.80	300.00
4.360	2370.	2144.4	0.3	1.9	0.0	240.67	300.00
4.360	3150.	2144.9	0.5	1.7	0.0	277.74	300.00
4.450	1120.	2148.2	0.0	5.0	0.0	77.66	500.00
4.450	1920.	2149.4	1.2	5.3	0.0	105.87	500.00
4.450	2330.	2149.9	0.5	5.5	0.0	117.98	500.00
4.450	3130.	2150.6	0.7	5.7	0.0	138.03	500.00
4.500	1120.	2150.9	0.0	2.6	0.0	86.85	400.00
4.500	1920.	2152.4	1.5	3.0	0.0	127.14	400.00
4.500	2330.	2153.0	0.6	3.1	0.0	147.86	400.00
4.500	3130.	2154.0	1.0	3.4	0.0	196.40	400.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
4.620	1120.	2154.6	0.0	3.7	0.0	100.22	800.00
4.620	1920.	2156.2	1.6	3.8	0.0	149.11	800.00
4.620	2330.	2156.9	0.7	3.9	0.0	187.78	800.00
4.620	3130.	2158.0	1.1	3.9	0.0	219.41	800.00
4.780	1090.	2161.3	0.0	6.7	0.0	60.67	900.00
4.780	1890.	2162.6	1.3	6.4	0.0	66.09	900.00
4.780	2280.	2163.1	0.5	6.2	0.0	68.27	900.00
4.780	3060.	2164.0	0.9	6.0	0.0	71.98	900.00

SUMMARY OF ERRORS

NOTE SECNO= 1.620 PROFILE= 1 WSEL BASED ON X5 CARD

CAUTION SECNO= 2.100 PROFILE= 3 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 2.100 PROFILE= 3 MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 2.100 PROFILE= 4 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 2.100 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 2.100 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

4.780 3060. 2164.0 2280. 2163.1 1890. 2162.6 1090. 2161.3

\*\*\*\*\*

THE F1 CARD READ

F 1. 0. 0. 0.

HOOPE'S CREEK

HENDERSON CO NC

500 YEAR FLOOD

100 YEAR FLOOD

50 YEAR FLOOD

10 YEAR FLOOD

MILE	Q	ELEV	Q	ELEV	Q	ELEV	Q	ELEV
0.0		2078.3		2078.7		2079.8		2078.7
0.15		2078.3						
0.220	5600.	2079.1	4150.	2078.6	3450.	2078.3	2060.	2077.7
0.860	4950.	2086.0	3690.	2085.5	3060.	2085.2	1950.	2084.5
1.140	4760.	2092.4	3540.	2091.4	2940.	2090.9	1760.	2089.5
1.250	4700.	2093.5	3490.	2092.7	2900.	2092.2	1740.	2091.0
1.370	4610.	2095.0	3430.	2094.2	2840.	2093.8	1700.	2092.8
1.420	4580.	2095.2	3400.	2094.4	2820.	2094.0	1700.	2093.0
1.500	4500.	2096.6	3340.	2096.0	2790.	2095.6	1670.	2094.9
1.580	4450.	2097.8	3300.	2097.1	2750.	2096.7	1650.	2096.2
1.580	4450.	2099.7	3300.	2098.9	2750.	2098.1	1650.	2096.7
1.620	4430.	2099.8	3290.	2098.9	2730.	2098.1	1640.	2096.8
1.760	4420.	2100.6	3280.	2100.0	2720.	2099.6	1630.	2098.9
1.100	4350.	2104.2	3230.	2102.9	2690.	2102.2	1600.	2101.3
2.210	4340.	2107.3	3230.	2106.7	2690.	2106.2	1600.	2104.8
2.210	4340.	2107.9	3230.	2107.0	2690.	2106.4	1600.	2104.9
2.620	4280.	2113.2	3190.	2112.5	2630.	2112.1	1570.	2111.1
2.800	4250.	2117.3	3180.	2116.6	2610.	2116.3	1570.	2115.4
3.030	4210.	2120.0	3160.	2119.3	2600.	2118.9	1550.	2118.0
3.250	4170.	2122.4	3130.	2121.8	2570.	2121.3	1520.	2120.1
3.570	3420.	2131.0	2570.	2130.5	2100.	2130.1	1250.	2128.9
3.570	3420.	2132.6	2570.	2131.7	2100.	2131.0	1250.	2129.2
3.700	3400.	2133.3	2540.	2132.5	2090.	2131.9	1230.	2130.7
3.800	3350.	2134.4	2500.	2133.6	2070.	2133.1	1210.	2132.0
4.030	3280.	2138.7	2450.	2138.2	2000.	2137.9	1180.	2136.9
4.300	3180.	2143.1	2380.	2142.4	1960.	2142.0	1140.	2141.0
4.360	3150.	2144.9	2370.	2144.4	1950.	2144.1	1130.	2143.3
4.450	3130.	2150.6	2330.	2149.9	1920.	2149.4	1120.	2148.2
4.500	3130.	2154.0	2330.	2153.0	1920.	2152.4	1120.	2150.9
4.620	3130.	2158.0	2330.	2156.0	1920.	2156.0	1120.	2154.0