

THIS RUN EXECUTED 4 APR 79 12:03

HEC2 RELEASE DATED NOV 76 UPDATED AUG 77
ERROR CORR - 01.02
MODIFICATION - 50,51,52,53

WELCH CREEK

X1	2,200	15,000	872,000	988,000	100,000	100,000	100,000	-0.	-0.	-0.
X3	10,000	-0.	-0.	-0.	-0.	-0.	-0.	6,100	6,500	-0.
GR	5,400	-0.	4,800	61,000	2,100	90,000	1,100	672,000	4,800	872,000
GR	-1,600	885,000	-6,100	898,000	-8,900	911,000	-9,300	924,000	-7,200	937,000
GR	-6,600	950,000	-6,600	963,000	-5,500	978,000	2,700	978,000	4,800	988,000
SB	1,050	1,600	2,800	-0.	40,000	8,000	1052,000	2,530	-9,300	-9,300
X1	2,300	-0.	-0.	-0.	12,500	12,500	12,500	-0.	-0.	-0.
X2	-0.	-0.	1,000	5,700	6,400	-0.	-0.	-0.	-0.	-0.
X3	10,000	-0.	-0.	-0.	-0.	-0.	-0.	6,400	7,400	-0.
BT	6,000	-0.	5,500	-0.	372,000	6,400	-0.	472,000	7,400	-0.
BT	872,000	8,300	-0.	988,000	8,300	-0.	1488,000	7,400	-0.	-0.
✓ X1	2,400	16,000	872,000	969,000	50,000	50,000	50,000	-0.	-0.	-0.
GR	5,400	-0.	4,500	18,000	5,500	32,000	4,800	61,000	2,100	90,000
GR	1,100	672,000	1,400	872,000	0.	878,000	-7,400	901,000	-8,200	924,000
GR	-6,700	946,000	0.	969,000	1,100	969,000	800	1269,000	800	1369,000
GR	5,000	1524,000	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
✓ NC	-0.	-0.	-0.	100	300	-0.	-0.	-0.	-0.	-0.
X1	3,100	14,000	1645,000	1762,000	850,000	850,000	1150,000	-0.	-0.	-0.
GR	5,000	-0.	3,500	1096,000	1,400	1230,000	1,600	1645,000	600	1645,000
GR	-16,900	1665,000	-15,100	1685,000	-14,700	1700,000	-6,100	1720,000	-2,800	1740,000
GR	600	1762,000	1,300	1762,000	1,500	1994,000	4,000	2003,000	-0.	-0.
NC	-0.	-0.	-0.	300	500	-0.	-0.	-0.	-0.	-0.
X1	3,200	16,000	498,000	668,000	100,000	100,000	100,000	-0.	-0.	-0.
X3	10,000	-0.	-0.	-0.	-0.	-0.	-0.	5,500	3,900	-0.
GR	3,500	-0.	1,400	130,000	3,600	498,000	1,200	510,000	1,300	545,000
GR	-13,300	563,000	-17,500	575,000	-11,500	603,000	-7,900	612,000	-4,600	632,000
GR	-4,700	642,000	100	652,000	100	662,000	4,000	668,000	1,500	892,000
GR	4,000	903,000	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
SB	1,050	1,600	2,800	-0.	20,000	18,000	1384,000	2,570	-17,500	-17,500
X1	3,300	-0.	-0.	-0.	13,000	13,000	13,000	-0.	-0.	-0.
X2	-0.	-0.	1,000	5,300	3,900	-0.	-0.	-0.	-0.	-0.
X3	10,000	-0.	-0.	-0.	-0.	-0.	-0.	5,800	3,900	-0.
BT	7,000	-0.	6,500	-0.	245,000	5,800	-0.	498,000	7,600	-0.
BT	603,000	7,500	-0.	673,000	7,600	-0.	892,000	5,700	-0.	1103,000
BT	3,900	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
✓ X1	3,400	14,000	1645,000	1762,000	50,000	50,000	50,000	-0.	-0.	-0.
GR	5,000	-0.	3,500	1100,000	1,400	1230,000	1,600	1645,000	600	1645,000
GR	-16,900	1665,000	-15,100	1685,000	-14,700	1700,000	-6,100	1720,000	-2,800	1740,000
GR	600	1762,000	1,300	1762,000	1,500	1994,000	4,000	2003,000	-0.	-0.
NC	-0.	-0.	-0.	100	300	-0.	-0.	-0.	-0.	-0.
✓ X1	4,100	22,000	2559,000	2741,000	4450,000	2650,000	4890,000	-0.	-0.	-0.
GR	10,000	-0.	6,000	1724,000	3,900	2024,000	4,100	2174,000	6,500	2284,000
GR	3,700	2404,000	5,000	2444,000	2,100	2504,000	4,800	2559,000	1,900	2564,000
GR	1,400	2589,000	6,700	2654,000	-3,300	2659,000	-5,900	2680,000	-3,000	2688,000
GR	4,200	2694,000	3,300	2706,000	1,700	2711,000	3,900	2741,000	4,800	2841,000
GR	6,800	2844,000	7,400	2944,000	-0.	-0.	-0.	-0.	-0.	-0.

NC	-0.	-0.	-0.	.300	.500	-0.	-0.	-0.	-0.	-0.
X1	4.200	-0.	-0.	-0.	100.000	100.000	100.000	-0.	-0.	-0.
X3	10.000	-0.	-0.	-0.	-0.	-0.	-0.	6.800	6.800	-0.
S3	1.250	1.600	2.800	-0.	45.000	42.000	6011.000	22.160	-5.900	-5.900
X1	4.300	-0.	-0.	-0.	36.500	36.500	36.500	-0.	-0.	-0.
X2	-0.	-0.	1.000	10.500	6.800	-0.	-0.	-0.	-0.	-0.
X3	10.000	-0.	-0.	-0.	-0.	-0.	-0.	6.800	6.800	-0.
BT	7.000	-0.	7.000	7.000	560.000	6.910	6.910	845.000	6.800	-0.
BT	950.000	12.400	10.500	1017.000	6.800	5.400	1120.000	6.800	6.800	1220.000
BT	7.400	7.400	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
X1	4.400	-0.	-0.	-0.	50.000	50.000	50.000	-0.	-0.	-0.
NC	-0.	-0.	-0.	.100	.300	-0.	-0.	-0.	-0.	-0.
X1	1.900	19.000	657.000	802.000	2550.000	3950.000	4310.000	-0.	-0.	-0.
GR	10.000	-0.	4.900	145.000	3.000	235.000	1.100	276.000	1.200	657.000
GR	.600	661.000	-7.200	670.000	-17.700	700.000	-11.500	730.000	-2.200	760.000
GR	-1.500	790.000	.600	800.000	1.200	802.000	1.600	1198.000	3.200	1218.000
GR	3.500	1251.000	7.300	1272.000	7.700	1292.000	10.500	1304.000	-0.	-0.
X1	5.100	14.000	322.000	456.000	3300.000	2900.000	2840.000	-0.	-0.	-0.
GR	9.100	-0.	9.100	45.000	5.500	92.000	1.500	322.000	.600	322.000
GR	-13.500	361.000	-11.800	389.000	-10.200	416.000	-5.300	436.000	.600	456.000
GR	2.300	476.000	2.500	736.000	5.100	801.000	13.400	866.000	-0.	-0.
NC	-0.	-0.	-0.	.300	.500	-0.	-0.	-0.	-0.	-0.
X1	5.200	21.000	316.000	536.000	100.000	100.000	100.000	-0.	-0.	-0.
X3	10.000	-0.	-0.	-0.	-0.	-0.	-0.	11.100	11.100	-0.
GR	12.100	-0.	12.300	112.000	12.700	316.000	10.100	316.000	4.300	325.000
GR	1.600	336.000	.600	336.000	-1.400	355.000	-2.200	374.000	-2.700	393.000
GR	-5.300	412.000	-8.500	431.000	-16.900	460.000	-15.000	471.000	-12.100	494.000
GR	-5.100	497.000	2.300	526.000	9.400	536.000	12.200	536.000	14.200	756.000
GR	16.500	976.000	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
S3	1.050	1.600	2.800	-0.	31.000	25.000	2705.000	3.510	-16.900	-16.900
X1	5.300	-0.	-0.	-0.	17.000	17.000	17.000	-0.	-0.	-0.
X2	-0.	-0.	1.000	10.000	12.100	-0.	-0.	-0.	-0.	-0.
X3	10.000	-0.	-0.	-0.	-0.	-0.	-0.	12.100	12.100	-0.
BT	5.000	-0.	12.100	-0.	112.000	12.300	-0.	500.000	12.200	-0.
BT	756.000	14.200	-0.	976.000	16.500	-0.	-0.	-0.	-0.	-0.
X1	5.400	14.000	322.000	456.000	50.000	50.000	50.000	-0.	-0.	-0.
GR	9.100	-0.	9.100	45.000	5.500	92.000	1.500	322.000	.600	322.000
GR	-13.500	361.000	-11.800	389.000	-10.200	416.000	-5.300	436.000	.600	456.000
GR	2.300	476.000	2.500	736.000	5.100	801.000	13.400	866.000	-0.	-0.
NC	-0.	-0.	-0.	.100	.300	-0.	-0.	-0.	-0.	-0.
X1	2.000	17.000	1283.000	1420.000	3350.000	3350.000	3425.000	-0.	-0.	-0.
GR	10.000	-0.	6.500	750.000	5.900	800.000	2.000	825.000	1.400	855.000
GR	1.800	1283.000	.500	1293.000	-10.300	1315.000	-11.000	1348.000	-9.900	1382.000
GR	.500	1414.000	1.500	1420.000	1.200	1602.000	7.700	1663.000	7.500	1738.000
GR	11.300	1756.000	11.000	1825.000	-0.	-0.	-0.	-0.	-0.	-0.

THIS RUN EXECUTED 25 AUG 82 14.57.45

 HEC2 RELEASE DATED NOV. 76 UPDATED MARCH 1982
 ERROR CORR - 01,02,03,04,05
 MODIFICATION - 50,51,52,53,54,55

T1 NORTH CAROLINA FLOOD INSURANCE STUDIES
 T2 WELCH CREEK
 T3 50 YEAR FLOOD

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-0.	3.	-0.	-0.	-0.	-0.	-0.	-0.	.250	-0.
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2.000	-0.	-1.000	-0.	-0.	-0.	-1.000	-0.	-0.	-0.

THIS RUN EXECUTED 25 AUG 82 14.57.45

 HEC2 RELEASE DATED NOV 76 UPDATED MARC 1982
 ERROR CORR - 01,02,03,04,05
 MODIFICATION - 50,51,52,53,54,55

T1 NORTH CAROLINA FLOOD INSURANCE STUDIES
 T2 WELCH CREEK
 T3 100 YEAR FLOOD

J1	ICHECK	INQ	NINV	IOIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-0.	4.	-0.	-0.	-0.	-0.	-0.	-0.	.250	-0.
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	3.000	-0.	-1.000	-0.	-0.	-0.	-1.000	-0.	-0.	-0.

THIS RUN EXECUTED 25 AUG 82 14.57.45

 HEC2 RELEASE DATED NOV 76 UPDATED MARC 1982
 ERROR CORR - 01,02,03,04,05
 MODIFICATION - 50,51,52,53,54,55

T1 NORTH CAROLINA FLOOD INSURANCE STUDIES
 T2 WELCH CREEK
 T3 500 YEAR FLOOD

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-0.	5.	-0.	-0.	-0.	-0.	-0.	-0.	.250	-0.
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.000	-0.	-1.000	-0.	-0.	-0.	-1.000	-0.	-0.	-0.

THIS RUN EXECUTED 25 AUG 82 14.57.46

 HEC2 RELEASE DATED NOV 76 UPDATED MARCH 1982
 ERROR CORR - 01,02,03,04,05
 MODIFICATION - 50,51,52,53,54,55

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

10 YEAR FLOOD

SUMMARY PRINTOUT TABLE 110

SECNO	CWSEL	DIFKWS	EG	TOPWID	QL06	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
1.100	.25	0.	.30	90.08	0.	1034.00	0.	0.	0.	210.00	626.00	0.
1.100	.25	0.	.43	90.08	0.	1967.00	0.	0.	0.	210.00	626.00	0.
1.100	.25	0.	.55	90.08	0.	2511.00	0.	0.	0.	210.00	626.00	0.
1.100	.25	0.	1.05	90.08	0.	4104.00	0.	0.	0.	210.00	626.00	0.
1.200	.28	0.	.33	90.22	0.	1034.00	0.	0.	0.	210.00	626.00	0.
1.200	.38	0.	.55	90.59	0.	1967.00	0.	0.	0.	210.00	626.00	0.
1.200	.46	0.	.74	90.95	0.	2511.00	0.	0.	0.	210.00	626.00	0.
1.200	.88	0.	1.54	92.60	0.	4104.00	0.	0.	0.	210.00	626.00	0.
1.300	.33	0.	.38	90.43	0.	1034.00	0.	0.	0.	210.00	626.00	0.
1.300	.59	0.	.76	91.55	0.	1967.00	0.	0.	0.	210.00	626.00	0.
1.300	.86	0.	1.11	92.71	0.	2511.00	0.	0.	0.	210.00	626.00	0.
1.300	2.21	0.	2.52	416.00	0.	4104.00	0.	0.	0.	210.00	626.00	0.
2.200	.37	0.	.41	96.99	0.	1034.00	0.	0.	0.	872.00	988.00	0.
2.200	.72	0.	.86	97.72	0.	1967.00	0.	0.	0.	872.00	988.00	0.
2.200	1.06	0.	1.25	98.39	0.	2511.00	0.	0.	0.	872.00	988.00	0.
2.200	2.46	0.	2.83	101.25	0.	4104.00	0.	0.	0.	872.00	988.00	0.
2.300	.38	0.	.42	97.02	0.	1034.00	0.	0.	0.	872.00	988.00	0.
2.300	.74	0.	.88	97.76	0.	1967.00	0.	0.	0.	872.00	988.00	0.
2.300	1.09	0.	1.28	98.46	0.	2511.00	0.	0.	0.	872.00	988.00	0.
2.300	2.53	0.	2.89	101.39	0.	4104.00	0.	0.	0.	872.00	988.00	0.
2.400	.39	0.	.44	92.67	0.	1034.00	0.	0.	0.	872.00	969.00	0.
2.400	.77	0.	.95	94.33	0.	1967.00	0.	0.	0.	872.00	969.00	0.
2.400	1.12	0.	1.38	550.12	.01	2500.50	10.49	0.	0.	872.00	969.00	0.
2.400	2.73	0.	2.99	1357.01	319.45	3450.12	334.43	0.	0.	872.00	969.00	0.
3.100	.55	0.	.56	116.60	0.	1034.00	0.	0.	0.	1645.00	1762.00	0.
3.100	1.25	0.	1.30	117.00	0.	1967.00	0.	0.	0.	1645.00	1762.00	0.
3.100	1.79	0.	1.86	789.96	6.06	2499.56	5.38	0.	0.	1645.00	1762.00	0.
3.100	3.49	0.	3.59	904.49	191.35	3807.14	105.51	0.	0.	1645.00	1762.00	0.

SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	OROB	PERENC	STENCL	STCHL	STCHR	STENCR
3.200	.55	0.	.57	116.80	0.	1034.00	0.	0.	0.	498.00	668.00	0.
3.200	1.27	0.	1.32	144.14	0.	1967.00	0.	0.	0.	498.00	668.00	0.
3.200	1.82	0.	1.89	157.74	0.	2511.00	0.	0.	0.	498.00	668.00	0.
3.200	3.53	0.	3.64	168.90	0.	4104.00	0.	0.	0.	498.00	668.00	0.
3.300	.56	0.	.57	116.79	0.	1034.00	0.	0.	0.	498.00	668.00	0.
3.300	1.29	0.	1.33	149.55	0.	1967.00	0.	0.	0.	498.00	668.00	0.
3.300	1.84	0.	1.91	157.88	0.	2511.00	0.	0.	0.	498.00	668.00	0.
3.300	3.56	0.	3.68	169.14	0.	4104.00	0.	0.	0.	498.00	668.00	0.
3.400	.56	0.	.58	116.70	0.	1034.00	0.	0.	0.	1645.00	1762.00	0.
3.400	1.30	0.	1.34	117.00	0.	1967.00	0.	0.	0.	1645.00	1762.00	0.
3.400	1.86	0.	1.92	793.65	8.49	2495.57	6.94	0.	0.	1645.00	1762.00	0.
3.400	3.60	0.	3.70	971.83	205.51	3786.07	112.41	0.	0.	1645.00	1762.00	0.
4.100	4.10	0.	4.18	459.77	24.68	1009.19	.14	0.	0.	2559.00	2741.00	0.
4.100	5.30	0.	5.40	892.58	216.64	1724.07	26.29	0.	0.	2559.00	2741.00	0.
4.100	5.84	0.	5.95	1027.24	395.50	2060.22	55.28	0.	0.	2559.00	2741.00	0.
4.100	7.16	0.	7.25	1677.95	1094.90	2863.86	145.24	0.	0.	2559.00	2741.00	0.
4.200	4.24	0.	4.32	149.61	0.	1034.00	0.	0.	0.	2559.00	2741.00	0.
4.200	5.44	0.	5.58	165.93	0.	1967.00	0.	0.	0.	2559.00	2741.00	0.
4.200	5.98	0.	6.15	172.75	0.	2511.00	0.	0.	0.	2559.00	2741.00	0.
4.200	7.28	0.	7.37	1751.84	1132.13	2822.86	149.02	0.	0.	2559.00	2741.00	0.
4.300	4.26	0.	4.34	149.95	0.	1034.00	0.	0.	0.	2559.00	2741.00	0.
4.300	5.48	0.	5.62	166.44	0.	1967.00	0.	0.	0.	2559.00	2741.00	0.
4.300	6.02	0.	6.20	173.38	0.	2511.00	0.	0.	0.	2559.00	2741.00	0.
4.300	7.28	0.	7.37	1751.85	1132.13	2822.85	149.02	0.	0.	2559.00	2741.00	0.
4.400	4.34	0.	4.40	557.36	35.99	997.10	.90	0.	0.	2559.00	2741.00	0.
4.400	5.63	0.	5.70	973.42	273.32	1656.85	36.83	0.	0.	2559.00	2741.00	0.
4.400	6.21	0.	6.29	1180.29	475.41	1967.98	67.61	0.	0.	2559.00	2741.00	0.
4.400	7.34	0.	7.42	1783.85	1148.00	2805.31	150.69	0.	0.	2559.00	2741.00	0.
1.000	4.50	0.	4.50	1092.37	76.53	889.93	67.54	0.	0.	657.00	802.00	0.
1.000	5.89	0.	5.90	1147.48	210.59	1567.34	189.07	0.	0.	657.00	802.00	0.
1.000	6.53	0.	6.54	1169.22	303.36	1935.49	272.15	0.	0.	657.00	802.00	0.
1.000	7.82	0.	7.84	1230.62	597.76	2973.36	532.87	0.	0.	657.00	802.00	0.
5.100	4.53	0.	4.53	638.94	9.48	994.51	29.91	0.	0.	322.00	456.00	0.
5.100	5.97	0.	5.98	721.89	43.08	1813.80	110.11	0.	0.	322.00	456.00	0.
5.100	6.63	0.	6.65	735.75	74.41	2265.19	171.40	0.	0.	322.00	456.00	0.
5.100	8.00	0.	8.04	764.31	186.18	3541.19	376.63	0.	0.	322.00	456.00	0.
5.200	4.53	0.	4.54	204.50	0.	1034.00	0.	0.	0.	316.00	536.00	0.
5.200	5.97	0.	5.99	208.76	0.	1967.00	0.	0.	0.	316.00	536.00	0.
5.200	6.64	0.	6.66	210.73	0.	2511.00	0.	0.	0.	316.00	536.00	0.
5.200	8.01	0.	8.05	214.79	0.	4104.00	0.	0.	0.	316.00	536.00	0.

SECNO	CWSEL	DIFKWS	EG	TOPWID	DLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
5.300	4.53	0.	4.54	204.51	0.	1034.00	0.	0.	0.	316.00	536.00	0.
5.300	5.98	0.	5.99	208.78	0.	1967.00	0.	0.	0.	316.00	536.00	0.
5.300	6.64	0.	6.66	210.76	0.	2511.00	0.	0.	0.	316.00	536.00	0.
5.300	8.02	0.	8.05	214.83	0.	4104.00	0.	0.	0.	316.00	536.00	0.
5.400	4.53	0.	4.54	639.35	9.51	994.49	30.00	0.	0.	322.00	456.00	0.
5.400	5.98	0.	5.99	722.14	43.36	1813.09	110.56	0.	0.	322.00	456.00	0.
5.400	6.65	0.	6.66	736.08	74.87	2264.02	172.11	0.	0.	322.00	456.00	0.
5.400	8.02	0.	8.06	764.87	187.40	3538.22	378.39	0.	0.	322.00	456.00	0.
2.000	4.58	0.	4.59	825.24	78.11	918.49	37.40	0.	0.	1283.00	1420.00	0.
2.000	6.08	0.	6.09	863.12	227.22	1634.12	105.66	0.	0.	1283.00	1420.00	0.
2.000	6.79	0.	6.80	966.15	332.36	2025.48	153.16	0.	0.	1283.00	1420.00	0.
2.000	8.27	0.	8.30	1373.19	688.53	3107.22	308.25	0.	0.	1283.00	1420.00	0.
6.100	4.67	0.	4.68	894.40	273.45	636.48	1.08	0.	0.	1219.00	1282.00	0.
6.100	6.26	0.	6.28	995.45	688.28	1043.60	9.13	0.	0.	1219.00	1282.00	0.
6.100	7.01	0.	7.03	1042.87	955.74	1251.72	17.34	0.	0.	1219.00	1282.00	0.
6.100	8.62	0.	8.65	1218.89	1789.05	1810.98	52.97	0.	0.	1219.00	1282.00	0.
6.200	4.66	0.	4.74	58.00	0.	911.00	0.	0.	0.	1223.00	1281.00	0.
6.200	6.22	0.	6.41	58.00	0.	1741.00	0.	0.	0.	1223.00	1281.00	0.
6.200	7.03	0.	7.04	959.08	1375.77	849.23	0.	0.	0.	1223.00	1281.00	0.
6.200	8.65	0.	8.67	1102.40	2394.37	1258.63	0.	0.	0.	1223.00	1281.00	0.
6.300	4.68	0.	4.75	58.00	0.	911.00	0.	0.	0.	1223.00	1281.00	0.
6.300	6.25	0.	6.43	58.00	0.	1741.00	0.	0.	0.	1223.00	1281.00	0.
6.300	7.36	0.	7.37	973.69	1394.88	830.12	0.	0.	0.	1223.00	1281.00	0.
6.300	8.82	0.	8.84	1126.36	2407.81	1245.19	0.	0.	0.	1223.00	1281.00	0.
6.400	4.76	0.	4.77	900.19	279.29	630.48	1.22	0.	0.	1219.00	1282.00	0.
6.400	6.48	0.	6.49	1009.01	706.32	1024.30	10.37	0.	0.	1219.00	1282.00	0.
6.400	7.36	0.	7.38	1065.59	988.05	1216.34	20.61	0.	0.	1219.00	1282.00	0.
6.400	8.83	0.	8.85	1250.66	1813.71	1783.01	56.27	0.	0.	1219.00	1282.00	0.
3.000	4.97	0.	4.98	910.62	290.44	418.70	104.85	0.	0.	845.00	902.00	0.
3.000	6.73	0.	6.75	934.58	705.89	643.71	213.40	0.	0.	845.00	902.00	0.
3.000	7.63	0.	7.65	946.93	962.01	760.64	277.36	0.	0.	845.00	902.00	0.
3.000	9.20	0.	9.22	968.38	1701.99	1129.02	465.98	0.	0.	845.00	902.00	0.

10 YEAR FLOOD

SUMMARY PRINTOUT TABLE 150

SECD	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K+S	VCH	AREA	.01K
1.100	0.	0.	0.	-8.40	1034.00	.25	-5.30	.30	3.31	1.81	571.88	567.97
1.100	0.	0.	0.	-8.40	1967.00	.25	-4.16	.43	11.99	3.44	571.88	567.97
1.100	0.	0.	0.	-8.40	2511.00	.25	-3.62	.55	19.55	4.39	571.88	567.97
1.100	0.	0.	0.	-8.40	4104.00	.25	-2.35	1.05	52.21	7.18	571.88	567.97
1.200	100.00	0.	0.	-8.40	1034.00	.28	-5.30	.33	3.26	1.80	574.87	572.27
1.200	100.00	0.	0.	-8.40	1967.00	.38	-4.16	.55	11.36	3.38	582.72	583.63
1.200	100.00	0.	0.	-8.40	2511.00	.46	-3.62	.74	17.84	4.25	590.23	594.56
1.200	100.00	0.	0.	-8.40	4104.00	.88	-2.35	1.54	39.51	6.52	629.70	652.89
1.300	0.	4.40	6.70	-8.40	1034.00	.33	0.	.38	3.19	1.78	579.31	578.70
1.300	0.	4.40	6.70	-8.40	1967.00	.59	0.	.76	10.29	3.26	602.98	613.25
1.300	0.	4.40	6.70	-8.40	2511.00	.86	0.	1.11	14.93	4.00	627.69	649.89
1.300	0.	4.40	6.70	-8.40	4104.00	2.21	0.	2.52	76.72	4.42	928.98	468.56
2.200	100.00	0.	0.	-9.30	1034.00	.37	-5.69	.41	2.52	1.62	639.68	651.90
2.200	100.00	0.	0.	-9.30	1967.00	.72	-4.63	.86	7.74	2.92	674.67	706.94
2.200	100.00	0.	0.	-9.30	2511.00	1.06	-4.09	1.25	10.94	3.55	707.17	759.24
2.200	100.00	0.	0.	-9.30	4104.00	2.46	-2.80	2.83	16.95	4.84	847.34	996.93
2.300	12.50	6.40	5.70	-9.30	1034.00	.38	0.	.42	2.50	1.61	640.91	653.83
2.300	12.50	6.40	5.70	-9.30	1967.00	.74	0.	.88	7.67	2.91	676.65	710.09
2.300	12.50	6.40	5.70	-9.30	2511.00	1.09	0.	1.28	10.79	3.53	710.37	764.46
2.300	12.50	6.40	5.70	-9.30	4104.00	2.53	0.	2.89	15.53	4.80	854.37	1009.34
2.400	50.00	0.	0.	-8.20	1034.00	.39	-5.16	.44	4.08	1.91	541.26	512.14
2.400	50.00	0.	0.	-8.20	1967.00	.77	-3.94	.95	12.24	3.41	577.38	562.19
2.400	50.00	0.	0.	-8.20	2511.00	1.12	-3.36	1.38	16.78	4.09	702.56	613.07
2.400	50.00	0.	0.	-8.20	4104.00	2.73	-1.92	2.99	15.29	4.50	2518.11	1049.49
3.100	1150.00	0.	0.	-16.90	1034.00	.55	-12.70	.56	.57	.95	1091.78	1372.29
3.100	1150.00	0.	0.	-16.90	1967.00	1.25	-11.29	1.30	1.64	1.68	1174.27	1535.37
3.100	1150.00	0.	0.	-16.90	2511.00	1.79	-10.60	1.86	2.24	2.02	1453.33	1679.10
3.100	1150.00	0.	0.	-16.90	4104.00	3.49	-8.87	3.59	3.16	2.65	2892.74	2309.69
3.200	100.00	0.	0.	-17.50	1034.00	.55	-12.13	.57	.65	.99	1045.81	1279.28
3.200	100.00	0.	0.	-17.50	1967.00	1.27	-10.54	1.32	2.38	1.74	1130.33	1273.98
3.200	100.00	0.	0.	-17.50	2511.00	1.82	-9.80	1.89	3.42	2.07	1215.59	1357.58
3.200	100.00	0.	0.	-17.50	4104.00	3.53	-7.97	3.64	5.03	2.75	1494.27	1829.51
3.300	13.00	3.90	5.30	-17.50	1034.00	.56	0.	.57	.65	.99	1045.38	1278.48
3.300	13.00	3.90	5.30	-17.50	1967.00	1.29	0.	1.33	2.48	1.74	1132.54	1248.86
3.300	13.00	3.90	5.30	-17.50	2511.00	1.84	0.	1.91	3.39	2.06	1219.05	1363.19
3.300	13.00	3.90	5.30	-17.50	4104.00	3.56	0.	3.68	4.97	2.74	1500.48	1840.46

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K*S	VCH	AREA	.01K
3.400	50.00	0.	0.	-16.90	1034.00	.56	-12.72	.58	.57	.95	1093.36	1374.82
3.400	50.00	0.	0.	-16.90	1967.00	1.30	-11.29	1.34	1.62	1.67	1179.65	1546.37
3.400	50.00	0.	0.	-16.90	2511.00	1.86	-10.59	1.92	2.18	2.00	1506.73	1699.76
3.400	50.00	0.	0.	-16.90	4104.00	3.60	-8.86	3.70	3.03	2.61	2987.86	2356.20
4.100	4890.00	0.	0.	-5.90	1034.00	4.10	-1.16	4.18	14.11	2.25	556.54	275.32
4.100	4890.00	0.	0.	-5.90	1967.00	5.30	.61	5.40	15.03	2.72	1394.09	507.44
4.100	4890.00	0.	0.	-5.90	2511.00	5.84	2.51	5.95	14.44	2.84	1919.95	660.75
4.100	4890.00	0.	0.	-5.90	4104.00	7.16	3.98	7.25	11.92	2.98	3662.54	1188.75
4.200	100.00	0.	0.	-5.90	1034.00	4.24	-1.17	4.32	13.18	2.21	467.70	284.86
4.200	100.00	0.	0.	-5.90	1967.00	5.44	.63	5.58	17.55	2.99	657.72	469.53
4.200	100.00	0.	0.	-5.90	2511.00	5.98	2.45	6.15	19.63	3.36	748.19	566.80
4.200	100.00	0.	0.	-5.90	4104.00	7.28	3.79	7.37	10.72	2.87	3874.54	1253.50
4.300	36.50	6.80	10.50	-5.90	1034.00	4.26	0.	4.34	12.89	2.19	471.20	287.99
4.300	36.50	6.80	10.50	-5.90	1967.00	5.48	0.	5.62	17.04	2.96	664.31	476.44
4.300	36.50	6.80	10.50	-5.90	2511.00	6.02	0.	6.20	18.99	3.32	756.72	576.24
4.300	36.50	6.80	10.50	-5.90	4104.00	7.28	0.	7.37	10.72	2.87	3874.57	1253.50
4.400	50.00	0.	0.	-5.90	1034.00	4.34	-1.17	4.40	11.29	2.07	670.68	307.78
4.400	50.00	0.	0.	-5.90	1967.00	5.53	.63	5.70	10.89	2.41	1700.91	596.07
4.400	50.00	0.	0.	-5.90	2511.00	6.21	2.48	6.29	10.29	2.49	2324.25	782.65
4.400	50.00	0.	0.	-5.90	4104.00	7.34	3.98	7.42	10.24	2.83	3969.22	1282.27
1.000	4310.00	0.	0.	-17.70	1034.00	4.50	-12.36	4.50	.11	.51	4489.97	3089.64
1.000	4310.00	0.	0.	-17.70	1967.00	5.89	-10.81	5.90	.24	.80	6058.87	4004.53
1.000	4310.00	0.	0.	-17.70	2511.00	6.53	-10.11	6.54	.32	.94	6800.57	4472.35
1.000	4310.00	0.	0.	-17.70	4104.00	7.82	-8.43	7.84	.56	1.33	8341.45	5503.35
5.100	2840.00	0.	0.	-13.50	1034.00	4.53	-9.84	4.53	.13	.58	2642.37	2821.68
5.100	2840.00	0.	0.	-13.50	1967.00	5.97	-8.75	5.98	.31	.95	3634.82	3516.00
5.100	2840.00	0.	0.	-13.50	2511.00	6.53	-8.22	6.65	.42	1.14	4118.50	3878.04
5.100	2840.00	0.	0.	-13.50	4104.00	8.00	-6.90	8.04	.76	1.63	5144.12	4694.46
5.200	100.00	0.	0.	-16.90	1034.00	4.53	-12.06	4.54	.13	.49	2099.11	2856.55
5.200	100.00	0.	0.	-16.90	1967.00	5.97	-10.76	5.99	.31	.82	2396.67	3506.95
5.200	100.00	0.	0.	-16.90	2511.00	6.54	-10.13	6.66	.43	.99	2536.16	3826.12
5.200	100.00	0.	0.	-16.90	4104.00	8.01	-8.53	8.05	.82	1.45	2828.00	4521.34
5.300	17.00	12.10	10.00	-16.90	1034.00	4.53	0.	4.54	.13	.49	2099.67	2857.75
5.300	17.00	12.10	10.00	-16.90	1967.00	5.98	0.	5.99	.31	.82	2397.99	3509.91
5.300	17.00	12.10	10.00	-16.90	2511.00	6.54	0.	6.66	.43	.99	2537.86	3830.06
5.300	17.00	12.10	10.00	-16.90	4104.00	8.02	0.	8.05	.82	1.45	2830.73	4528.01
5.400	50.00	0.	0.	-13.50	1034.00	4.53	-9.84	4.54	.13	.58	2645.55	2823.87
5.400	50.00	0.	0.	-13.50	1967.00	5.98	-8.75	5.99	.31	.95	3643.44	3522.31
5.400	50.00	0.	0.	-13.50	2511.00	6.65	-8.21	6.66	.42	1.13	4130.04	3886.87
5.400	50.00	0.	0.	-13.50	4104.00	8.02	-6.90	8.06	.76	1.62	5164.37	4711.19

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K*S	VCH	AREA	.01K
2.000	3425.00	0.	0.	-11.00	1034.00	4.58	-8.63	4.59	.14	.56	3658.93	2792.43
2.000	3425.00	0.	0.	-11.00	1967.00	6.08	-7.64	6.09	.29	.89	4919.92	3639.16
2.000	3425.00	0.	0.	-11.00	2511.00	6.79	-7.15	6.80	.38	1.05	5556.44	4081.13
2.000	3425.00	0.	0.	-11.00	4104.00	8.27	-5.93	8.30	.64	1.45	7298.22	5139.23
6.100	4007.00	0.	0.	-11.90	911.00	4.57	-7.81	4.68	.42	.89	3302.72	1413.45
6.100	4007.00	0.	0.	-11.90	1741.00	6.26	-6.17	6.28	.72	1.28	4805.19	2049.48
6.100	4007.00	0.	0.	-11.90	2225.00	7.01	-5.39	7.03	.85	1.45	5565.60	2397.45
6.100	4007.00	0.	0.	-11.90	3653.00	8.62	-3.42	8.65	1.24	1.88	7362.26	3275.85
6.200	100.00	0.	0.	-7.00	911.00	4.56	-2.00	4.74	4.32	2.18	416.97	438.49
6.200	100.00	0.	0.	-7.00	1741.00	6.22	-1.55	6.41	8.21	3.43	507.11	607.60
6.200	100.00	0.	0.	-7.00	2225.00	7.03	.17	7.04	1.46	1.53	5369.30	1840.98
6.200	100.00	0.	0.	-7.00	3653.00	8.65	1.97	8.67	1.90	1.94	7009.38	2648.42
6.300	31.40	6.50	7.00	-7.00	911.00	4.58	0.	4.75	4.31	2.18	417.26	439.00
6.300	31.40	6.50	7.00	-7.00	1741.00	6.25	0.	6.43	8.12	3.42	508.75	610.89
6.300	31.40	6.50	7.00	-7.00	2225.00	7.36	0.	7.37	1.24	1.45	5703.38	1998.46
6.300	31.40	6.50	7.00	-7.00	3653.00	8.82	0.	8.84	1.76	1.89	7212.67	2750.34
6.400	50.00	0.	0.	-11.90	911.00	4.76	-7.81	4.77	.40	.87	3384.39	1446.00
6.400	50.00	0.	0.	-11.90	1741.00	6.48	-6.18	6.49	.66	1.24	5019.02	2145.74
6.400	50.00	0.	0.	-11.90	2225.00	7.36	-5.39	7.38	.75	1.37	5942.45	2575.45
6.400	50.00	0.	0.	-11.90	3653.00	8.83	-3.43	8.85	1.15	1.82	7619.26	3402.96
3.000	2078.00	0.	0.	-5.00	814.00	4.97	.25	4.98	1.36	1.15	2645.96	696.77
3.000	2078.00	0.	0.	-5.00	1563.00	6.73	1.57	6.75	1.43	1.39	4268.38	1305.85
3.000	2078.00	0.	0.	-5.00	2000.00	7.63	2.49	7.65	1.41	1.48	5120.67	1686.12
3.000	2078.00	0.	0.	-5.00	3297.00	9.20	3.34	9.22	1.82	1.87	6627.50	2446.63

10 YEAR FLOOD

SUMMARY PRINTOUT TABLE 150

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
✓ 1.100	1034.00	.25	0.	0.	0.	90.08	0.
1.100	1967.00	.25	0.	0.	0.	90.08	0.
1.100	2511.00	.25	0.	0.	0.	90.08	0.
1.100	4104.00	.25	0.	0.	0.	90.08	0.
1.200	1034.00	.28	0.	.03	0.	90.22	100.00
1.200	1967.00	.38	.09	.13	0.	90.59	100.00
1.200	2511.00	.46	.08	.21	0.	90.95	100.00
1.200	4104.00	.88	.42	.63	0.	92.80	100.00
1.300	1034.00	.33	0.	.05	0.	90.43	0.
1.300	1967.00	.59	.26	.22	0.	91.55	0.
1.300	2511.00	.86	.27	.40	0.	92.71	0.
1.300	4104.00	2.21	1.35	1.33	0.	416.00	0.
2.200	1034.00	.37	0.	.04	0.	96.99	100.00
2.200	1967.00	.72	.35	.13	0.	97.72	100.00
2.200	2511.00	1.06	.33	.19	0.	98.39	100.00
2.200	4104.00	2.46	1.41	.25	0.	101.25	100.00
2.300	1034.00	.38	0.	.01	0.	97.02	12.50
2.300	1967.00	.74	.37	.02	0.	97.76	12.50
2.300	2511.00	1.09	.34	.03	0.	98.46	12.50
2.300	4104.00	2.53	1.44	.07	0.	101.39	12.50
✓ 2.400	1034.00	.39	0.	.01	0.	92.67	50.00
2.400	1967.00	.77	.38	.03	0.	94.33	50.00
2.400	2511.00	1.12	.36	.04	0.	556.12	50.00
2.400	4104.00	2.73	1.61	.20	0.	1357.01	50.00
✓ 3.100	1034.00	.55	0.	.16	0.	116.60	1150.00
3.100	1967.00	1.25	.71	.48	0.	117.00	1150.00
3.100	2511.00	1.79	.54	.67	0.	789.96	1150.00
3.100	4104.00	3.49	1.70	.76	0.	904.49	1150.00
3.200	1034.00	.55	0.	.01	0.	116.80	100.00
3.200	1967.00	1.27	.72	.02	0.	144.14	100.00
3.200	2511.00	1.82	.55	.03	0.	157.74	100.00
3.200	4104.00	3.53	1.71	.03	0.	168.90	100.00
3.300	1034.00	.56	0.	.01	0.	116.79	13.00
3.300	1967.00	1.29	.73	.02	0.	149.55	13.00
3.300	2511.00	1.84	.55	.02	0.	157.88	13.00
3.300	4104.00	3.56	1.72	.04	0.	169.14	13.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
3.400	1034.00	.56	0.	.00	0.	116.70	50.00
3.400	1967.00	1.30	.74	.01	0.	117.00	50.00
3.400	2511.00	1.86	.56	.02	0.	793.65	50.00
3.400	4104.00	3.60	1.75	.04	0.	971.83	50.00
✓ 4.100	1034.00	4.10	0.	3.54	0.	459.77	4890.00
4.100	1967.00	5.30	1.20	4.00	0.	892.58	4890.00
4.100	2511.00	5.84	.55	3.98	0.	1027.24	4890.00
4.100	4104.00	7.16	1.31	3.55	0.	1677.95	4890.00
4.200	1034.00	4.24	0.	.14	0.	149.61	100.00
4.200	1967.00	5.44	1.20	.14	0.	165.93	100.00
4.200	2511.00	5.98	.53	.13	0.	172.75	100.00
4.200	4104.00	7.28	1.31	.12	0.	1751.84	100.00
4.300	1034.00	4.26	0.	.02	0.	149.95	36.50
4.300	1967.00	5.48	1.22	.04	0.	166.44	36.50
4.300	2511.00	6.02	.54	.05	0.	173.38	36.50
4.300	4104.00	7.28	1.26	.06	0.	1751.85	36.50
4.400	1034.00	4.34	0.	.07	0.	557.36	50.00
4.400	1967.00	5.63	1.29	.14	0.	973.42	50.00
4.400	2511.00	6.21	.59	.19	0.	1180.29	50.00
4.400	4104.00	7.34	1.12	.06	0.	1783.85	50.00
✓ 1.000	1034.00	4.50	0.	.16	0.	1092.37	4310.00
1.000	1967.00	5.89	1.40	.27	0.	1147.48	4310.00
1.000	2511.00	6.53	.64	.32	0.	1169.22	4310.00
1.000	4104.00	7.82	1.29	.48	0.	1230.62	4310.00
✓ 5.100	1034.00	4.53	0.	.03	0.	638.94	2840.00
5.100	1967.00	5.97	1.44	.08	0.	721.89	2840.00
5.100	2511.00	6.63	.66	.10	0.	735.75	2840.00
5.100	4104.00	8.00	1.37	.18	0.	764.31	2840.00
5.200	1034.00	4.53	0.	.03	0.	204.56	100.00
5.200	1967.00	5.97	1.44	.01	0.	208.76	100.00
5.200	2511.00	6.64	.67	.01	0.	210.73	100.00
5.200	4104.00	8.01	1.37	.01	0.	214.79	100.00
5.300	1034.00	4.53	0.	.00	0.	204.51	17.00
5.300	1967.00	5.98	1.44	.00	0.	208.78	17.00
5.300	2511.00	6.64	.67	.00	0.	210.76	17.00
5.300	4104.00	8.02	1.38	.01	0.	214.83	17.00
5.400	1034.00	4.53	0.	.00	0.	639.35	50.00
5.400	1967.00	5.98	1.44	.00	0.	722.14	50.00
5.400	2511.00	6.65	.67	.00	0.	736.08	50.00
5.400	4104.00	8.02	1.38	.00	0.	764.87	50.00

SECNO	Q	CVSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
2.000	1934.00	4.58	0.	.05	0.	825.24	3425.00
✓ 2.000	1967.00	6.08	1.50	.11	0.	863.12	3425.00
2.000	2511.00	6.79	.70	.14	0.	966.15	3425.00
2.000	4104.00	8.27	1.49	.25	0.	1373.19	3425.00
6.100	911.00	4.67	0.	.09	0.	894.40	4007.00
6.100	1741.00	6.26	1.59	.18	0.	995.45	4007.00
6.100	2225.00	7.01	.75	.22	0.	1042.87	4007.00
6.100	3653.00	8.62	1.61	.35	0.	1218.89	4007.00
6.200	911.00	4.66	0.	-.01	0.	58.00	100.00
6.200	1741.00	6.22	1.56	-.04	0.	58.00	100.00
6.200	2225.00	7.03	.90	.02	0.	959.08	100.00
6.200	3653.00	8.65	1.62	.02	0.	1102.40	100.00
6.300	911.00	4.68	0.	.01	0.	58.00	31.40
6.300	1741.00	6.25	1.58	.03	0.	58.00	31.40
6.300	2225.00	7.36	1.11	.33	0.	973.69	31.40
6.300	3653.00	8.82	1.46	.18	0.	1126.36	31.40
6.400	911.00	4.76	0.	.09	0.	900.19	50.00
✓ 6.400	1741.00	6.48	1.71	.22	0.	1009.01	50.00
6.400	2225.00	7.36	.89	.00	0.	1065.59	50.00
6.400	3653.00	8.83	1.46	.00	0.	1250.66	50.00
3.000	814.00	4.97	0.	.21	0.	910.62	2078.00
✓ 3.000	1563.00	6.73	1.76	.26	0.	934.58	2078.00
3.000	2000.00	7.63	.91	.27	0.	946.93	2078.00
3.000	3297.00	9.20	1.57	.38	0.	968.38	2078.00

FLOODWAY DATA, 10 YEAR FLOOD
PROFILE NO. 2

STATION	WIDTH	FLOODWAY SECTION AREA	MEAN VELOCITY	WATER SURFACE ELEVATION DIFFERENCE		
				WITH FLOODWAY	WITHOUT FLOODWAY	
1.100	90.	572.	3.4	.3	.3	0.
1.200	91.	583.	3.4	.4	.3	.1
1.300	92.	503.	3.3	.6	.3	.3
2.200	98.	675.	2.9	.8	.4	.4
2.300	98.	677.	2.9	.8	.4	.4
2.400	94.	577.	3.4	.8	.4	.4
3.100	117.	1174.	1.7	1.2	.5	.7
3.200	154.	1130.	1.7	1.3	.6	.7
3.300	154.	1133.	1.7	1.3	.6	.7
3.400	117.	1180.	1.7	1.3	.6	.7
4.100	1017.	1394.	1.4	5.3	4.1	1.2
4.200	182.	658.	3.0	5.4	4.2	1.2
4.300	182.	664.	3.0	5.5	4.3	1.2
4.400	1065.	1701.	1.2	5.6	4.3	1.3
1.000	1147.	6059.	.3	5.9	4.5	1.4
5.100	722.	3635.	.5	5.9	4.5	1.4
5.200	209.	2397.	.8	5.9	4.5	1.4
5.300	209.	2398.	.8	5.9	4.5	1.4
5.400	722.	3643.	.5	5.9	4.5	1.4
2.000	863.	4920.	.4	6.1	4.6	1.5
6.100	995.	4805.	.4	6.3	4.7	1.6
6.200	58.	507.	3.4	6.3	4.7	1.6
6.300	58.	509.	3.4	6.3	4.7	1.6
6.400	1009.	5019.	.3	6.5	4.8	1.7
3.000	935.	4268.	.4	6.8	5.0	1.8

FLOODWAY DATA, 10 YEAR FLOOD
PROFILE NO. 3

STATION	FLOODWAY WIDTH	FLOODWAY SECTION AREA	MEAN VELOCITY	WATER SURFACE ELEVATION		
				WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
1.100	90.	572.	4.4	.3	.3	0.
1.200	91.	590.	4.3	.5	.3	.2
1.300	93.	628.	4.0	.8	.3	.5
2.200	98.	707.	3.6	1.1	.4	.7
2.300	98.	710.	3.5	1.1	.4	.7
2.400	729.	703.	3.6	1.1	.4	.7
3.100	790.	1453.	1.7	1.7	.5	1.2
3.200	158.	1216.	2.1	1.9	.6	1.3
3.300	158.	1219.	2.1	1.9	.6	1.3
3.400	794.	1507.	1.7	1.9	.6	1.3
4.100	1096.	1920.	1.3	5.8	4.1	1.7
4.200	182.	748.	3.4	5.9	4.2	1.7
4.300	182.	757.	3.3	6.1	4.3	1.8
4.400	1212.	2324.	1.1	6.2	4.3	1.9
1.000	1169.	6801.	.4	6.5	4.5	2.0
5.100	736.	4119.	.6	6.6	4.5	2.1
5.200	211.	2536.	1.0	6.6	4.5	2.1
5.300	211.	2538.	1.0	6.6	4.5	2.1
5.400	736.	4130.	.6	6.6	4.5	2.1
2.000	966.	5556.	.5	6.8	4.6	2.2
6.100	1043.	5556.	.4	7.0	4.7	2.3
6.200	959.	5369.	.4	7.1	4.7	2.4
6.300	974.	5703.	.4	7.4	4.7	2.7
6.400	1066.	5942.	.4	7.4	4.8	2.6
3.000	947.	5121.	.4	7.7	5.0	2.7

FLOODWAY DATA, 10 YEAR FLOOD
 PROFILE NO. 4

STATION	FLOODWAY WIDTH	FLOODWAY SECTION AREA	MEAN VELOCITY	WATER SURFACE ELEVATION		
				WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
1.100	90.	572.	7.2	.3	.3	0.
1.200	93.	630.	6.5	.9	.3	.6
1.300	416.	929.	4.4	2.2	.3	1.9
2.200	181.	847.	4.8	2.5	.4	2.1
2.300	101.	854.	4.8	2.6	.4	2.2
2.400	1357.	2518.	1.6	2.7	.4	2.3
3.100	904.	2893.	1.4	3.4	.5	2.9
3.200	169.	1494.	2.7	3.6	.6	3.0
3.300	169.	1509.	2.7	3.6	.6	3.0
3.400	972.	2988.	1.4	3.6	.6	3.0
4.100	1678.	3663.	1.1	7.2	4.1	3.1
4.200	1752.	3875.	1.1	7.2	4.2	3.0
4.300	1752.	3875.	1.1	7.3	4.3	3.0
4.400	1764.	3969.	1.0	7.3	4.3	3.0
1.000	1231.	8341.	.5	7.8	4.5	3.3
5.100	764.	5144.	.8	8.0	4.5	3.5
5.200	215.	2828.	1.5	8.0	4.5	3.5
5.300	215.	2831.	1.4	8.0	4.5	3.5
5.400	765.	5164.	.8	8.0	4.5	3.5
2.000	1373.	7298.	.6	8.3	4.6	3.7
6.100	1219.	7362.	.5	8.7	4.7	4.0
6.200	1102.	7009.	.5	8.7	4.7	4.0
6.300	1126.	7213.	.5	8.8	4.7	4.1
6.400	1251.	7619.	.5	8.9	4.8	4.1
3.000	968.	6627.	.5	9.2	5.0	4.2

X1	2.200	15.000	872.000	988.000	100.000	100.000	100.000	-0.	-0.	-0.
X3	10.000	-0.	-0.	-0.	-0.	-0.	-0.	6.100	6.500	-0.
GR	5.400	-0.	4.800	61.000	-2.100	90.000	1.100	672.000	4.800	872.000
GR	-1.600	885.000	-6.100	878.000	-8.900	911.000	-9.300	924.000	-7.200	937.000
GR	-6.600	950.000	-6.600	963.000	-5.500	978.000	2.700	978.000	4.800	988.000
SB	1.050	1.600	2.800	-0.	40.000	8.000	1052.000	2.530	-9.300	-9.300
X1	2.300	-0.	-0.	-0.	12.500	12.500	12.500	-0.	-0.	-0.
X2	-0.	-0.	1.000	5.700	6.400	-0.	-0.	-0.	-0.	-0.
X3	10.000	-0.	-0.	-0.	-0.	-0.	-0.	6.400	7.400	-0.
BT	6.600	-0.	5.500	-0.	372.000	6.400	-0.	472.000	7.400	-0.
BT	872.000	8.300	-0.	988.000	8.300	-0.	1488.000	7.400	-0.	-0.
X1	2.400	16.000	872.000	969.000	50.000	50.000	50.000	-0.	-0.	-0.
GR	5.400	-0.	4.500	18.800	5.500	32.000	4.800	61.000	2.100	90.000
GR	1.100	672.000	1.400	872.000	0.	878.000	-7.400	901.000	-8.200	924.000
GR	-6.700	946.000	0.	969.000	1.100	969.000	.800	1269.000	.800	1369.000
GR	5.600	1524.000	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
NC	-0.	-0.	-0.	.100	.300	-0.	-0.	-0.	-0.	-0.
X1	3.100	14.000	1645.000	1762.000	850.000	850.000	1150.000	-0.	-0.	-0.
GR	5.000	-0.	3.500	1096.000	1.400	1230.000	1.600	1645.000	.600	1645.000
GR	-16.900	1665.000	-15.100	1685.000	-14.700	1700.000	-6.100	1720.000	-2.800	1740.000
GR	.600	1762.000	1.300	1762.000	1.500	1994.000	4.000	2003.000	-0.	-0.
NC	-0.	-0.	-0.	.300	.500	-0.	-0.	-0.	-0.	-0.
X1	3.200	16.000	498.000	668.000	100.000	100.000	100.000	-0.	-0.	-0.
X3	10.000	-0.	-0.	-0.	-0.	-0.	-0.	5.500	3.900	-0.
GR	3.500	-0.	1.400	130.000	3.600	498.000	1.200	510.000	1.300	545.000
GR	-13.300	563.000	-17.500	575.000	-11.500	603.000	-7.900	612.000	-4.600	632.000
GR	-4.700	642.000	.100	652.000	.100	662.000	4.000	668.000	1.500	892.000
GR	4.000	903.000	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
SB	1.050	1.600	2.800	-0.	20.000	18.000	1384.000	2.570	-17.500	-17.500
X1	3.300	-0.	-0.	-0.	13.000	13.000	13.000	-0.	-0.	-0.
X2	-0.	-0.	1.000	5.300	3.900	-0.	-0.	-0.	-0.	-0.
X3	10.000	-0.	-0.	-0.	-0.	-0.	-0.	5.800	3.900	-0.
BT	7.000	-0.	6.500	-0.	145.000	5.800	-0.	498.000	7.600	-0.
BT	603.000	7.500	-0.	673.000	7.600	-0.	892.000	5.700	-0.	1103.000
BT	3.900	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
X1	3.400	14.000	1645.000	1762.000	50.000	50.000	50.000	-0.	-0.	-0.
GR	5.000	-0.	3.500	1100.000	1.400	1230.000	1.600	1645.000	.600	1645.000
GR	-16.900	1665.000	-15.100	1685.000	-14.700	1700.000	-6.100	1720.000	-2.800	1740.000
GR	.600	1762.000	1.300	1762.000	1.500	1994.000	4.000	2003.000	-0.	-0.
NC	-0.	-0.	-0.	.100	.300	-0.	-0.	-0.	-0.	-0.
X1	4.100	22.000	2559.000	2741.000	4450.000	2650.000	4890.000	-0.	-0.	-0.
GR	10.000	-0.	6.000	1724.000	3.900	2024.000	4.100	2174.000	6.500	2284.000
GR	3.700	2404.000	5.000	2444.000	2.100	2504.000	4.800	2559.000	1.900	2564.000
GR	1.400	2589.000	6.700	2654.000	-3.300	2659.000	-5.900	2680.000	-3.000	2686.000
GR	4.200	2694.000	3.300	2706.000	1.700	2711.000	3.900	2741.000	4.800	2841.000
GR	6.800	2844.000	7.400	2944.000	-0.	-0.	-0.	-0.	-0.	-0.

NC	-0.	-0.	-0.	.300	.500	-0.	-0.	-0.	-0.	-0.
X1	4.200	-0.	-0.	-0.	100.000	100.000	100.000	-0.	-0.	-0.
X3	10.000	-0.	-0.	-0.	-0.	-0.	-0.	6.800	6.800	-0.
BR	1.250	1.600	2.800	-0.	45.000	42.500	6011.000	22.160	-5.900	-5.900
X1	4.300	-0.	-0.	-0.	36.500	36.500	36.500	-0.	-0.	-0.
X2	-0.	-0.	1.000	10.500	6.800	-0.	-0.	-0.	-0.	-0.
X3	10.000	-0.	-0.	-0.	-0.	-0.	-0.	6.800	6.800	-0.
BT	7.000	-0.	7.000	7.000	560.000	6.910	6.910	845.000	6.800	-0.
BT	950.000	12.400	10.500	1017.000	6.800	5.400	1120.000	6.800	6.800	1220.000
BT	7.400	7.400	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
X1	4.4.0	-0.	-0.	-0.	50.000	50.000	50.000	-0.	-0.	-0.
NC	-0.	-0.	-0.	.100	.300	-0.	-0.	-0.	-0.	-0.
X1	1.000	19.000	657.000	802.000	2550.000	2950.000	4310.000	-0.	-0.	-0.
GR	10.000	-0.	4.900	145.000	3.000	235.000	1.100	276.000	1.200	657.000
GR	6.000	661.000	-7.200	670.000	-17.700	700.000	-11.500	730.000	-2.200	760.000
GR	-1.500	790.000	.600	801.000	1.200	802.000	1.600	1198.000	3.200	1218.000
GR	3.500	1251.000	7.300	1272.000	7.700	1292.000	10.500	1304.000	-0.	-0.
X1	5.100	14.000	322.000	456.000	3300.000	2900.000	2840.000	-0.	-0.	-0.
GR	9.100	-0.	9.100	45.000	5.500	92.000	1.500	322.000	.600	322.000
GR	-13.500	361.000	-11.800	389.000	-10.200	416.000	-5.300	436.000	.600	456.000
GR	2.300	476.000	2.500	736.000	5.100	801.000	13.400	866.000	-0.	-0.
NC	-0.	-0.	-0.	.300	.500	-0.	-0.	-0.	-0.	-0.
X1	5.200	21.000	316.000	536.000	100.000	100.000	100.000	-0.	-0.	-0.
X3	10.000	-0.	-0.	-0.	-0.	-0.	-0.	11.100	11.100	-0.
GR	12.100	-0.	12.300	112.000	12.700	316.000	10.100	316.000	4.300	325.000
GR	1.600	336.000	.600	336.000	-1.400	355.000	-2.200	374.000	-2.700	393.000
GR	-5.300	412.000	-8.500	431.000	-16.900	460.000	-15.000	471.000	-12.100	494.000
GR	-5.100	497.000	2.300	526.000	9.400	536.000	12.200	536.000	14.200	756.000
GR	16.500	976.000	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
SB	1.050	1.600	2.800	-0.	31.000	25.000	2705.000	3.510	-16.900	-16.900
X1	5.300	-0.	-0.	-0.	17.000	17.000	17.000	-0.	-0.	-0.
X2	-0.	-0.	1.000	10.000	12.100	-0.	-0.	-0.	-0.	-0.
X3	10.000	-0.	-0.	-0.	-0.	-0.	-0.	12.100	12.100	-0.
BT	5.000	-0.	12.100	-0.	112.000	12.300	-0.	500.000	12.200	-0.
BT	756.000	14.200	-0.	976.000	16.500	-0.	-0.	-0.	-0.	-0.
X1	5.400	14.000	322.000	456.000	50.000	50.000	50.000	-0.	-0.	-0.
GR	9.100	-0.	9.100	45.000	5.500	92.000	1.500	322.000	.600	322.000
GR	-13.500	361.000	-11.800	389.000	-10.200	416.000	-5.300	436.000	.600	456.000
GR	2.300	476.000	2.500	736.000	5.100	801.000	13.400	866.000	-0.	-0.
NC	-0.	-0.	-0.	.100	.300	-0.	-0.	-0.	-0.	-0.
X1	2.000	17.000	1283.000	1420.000	3350.000	3350.000	3425.000	-0.	-0.	-0.
GR	10.000	-0.	0.000	750.000	5.900	800.000	2.000	825.000	1.400	855.000
GR	1.800	1283.000	.500	1283.000	-10.300	1315.000	-11.000	1348.000	-9.900	1382.000
GR	.500	1414.000	1.500	1420.000	1.200	1602.000	7.700	1663.000	7.500	1738.000
GR	11.300	1756.000	11.000	1825.000	-0.	-0.	-0.	-0.	-0.	-0.

THIS RUN EXECUTED 26 AUG 82 08.56.00

 HEC2 RELEASE DATED NOV 76 UPDATED MARC 1982
 ERROR CORR - 01,02,03,04,05
 MODIFICATION - 50,51,52,53,54,55

T1 NORTH CAROLINA FLOOD INSURANCE STUDIES
 T2 WELCH CREEK
 T3 FLOODWAY

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-0.	6.	-0.	-0.	-0.	-0.	-0.	-0.	1.250	-0.
J2	NPROF	IPLLOT	PRFVS	XSECV	XSECH	FN	ALLOC	IBW	CHNIM	ITRACE
	15.000	-0.	-1.000	-0.	-0.	-0.	-1.000	-0.	-0.	-0.

IHLER = 1. THEREFORE FRICTION LOSS (HL) IS CALCULATED AS A FUNCTION OF PROFILE TYPE, WHICH CAN VARY FROM REACH TO REACH. SEE DOCUMENTATION FOR DETAILS.

THIS RUN EXECUTED 26 AUG 82 08.56.00

 HEC2 RELEASE DATED NOV 76 UPDATED MARC 1982
 ERROR CORR - 01,02,03,04,05
 MODIFICATION - 50,51,52,53,54,55

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

FLOOD

SUMMARY PRINTOUT TABLE 110

SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STEVCL	STCHL	STCHR	STENCR
1.100	.25	0.	.55	90.58	0.	2511.00	0.	0.	0.	210.00	626.00	0.
1.100	1.25	1.00	1.47	97.35	0.	2511.00	0.	0.	210.00	210.00	626.00	626.00
1.200	.46	0.	.74	90.95	0.	2511.00	0.	0.	0.	210.00	626.00	0.
1.200	1.39	.93	1.60	100.60	0.	2511.00	0.	0.	210.00	210.00	626.00	626.00
1.300	.86	0.	1.11	92.71	0.	2511.00	0.	0.	0.	210.00	626.00	0.
1.300	1.86	1.00	2.02	408.66	0.	2511.00	0.	0.	0.	210.00	626.00	0.
2.200	1.06	0.	1.25	98.39	0.	2511.00	0.	0.	0.	872.00	988.00	0.
2.200	2.00	.95	2.15	100.31	0.	2511.00	0.	0.	872.00	872.00	988.00	988.00
2.300	1.09	0.	1.28	98.46	0.	2511.00	0.	0.	0.	872.00	988.00	0.
2.300	2.09	1.00	2.24	100.49	0.	2511.00	0.	0.	0.	872.00	988.00	0.
2.400	1.12	0.	1.38	550.12	.01	2500.50	10.49	0.	0.	872.00	969.00	0.
2.400	2.11	.99	2.31	97.00	0.	2511.00	0.	.08	872.00	872.00	969.00	969.00
3.100	1.79	0.	1.86	789.96	6.06	2499.56	5.38	0.	0.	1645.00	1762.00	0.
3.100	2.62	.83	2.67	117.00	0.	2511.00	0.	.04	1645.00	1645.00	1762.00	1762.00
3.200	1.82	0.	1.89	157.74	0.	2511.00	0.	0.	0.	498.00	668.00	0.
3.200	2.64	.82	2.70	163.11	0.	2511.00	0.	0.	498.00	498.00	668.00	668.00
3.300	1.84	0.	1.91	157.88	0.	2511.00	0.	0.	0.	498.00	668.00	0.
3.300	2.84	1.00	2.89	164.42	0.	2511.00	0.	0.	0.	498.00	668.00	0.
3.400	1.86	0.	1.92	793.65	8.49	2495.57	6.94	0.	0.	1645.00	1762.00	0.
3.400	2.85	.99	2.90	117.00	0.	2511.00	0.	.04	1645.00	1645.00	1762.00	1762.00
4.100	5.84	0.	5.95	1027.24	395.50	2065.22	55.28	0.	0.	2559.00	2741.00	0.
4.100	6.57	.73	6.71	180.41	0.	2511.00	0.	.28	2559.00	2559.00	2741.00	2741.00

SECNO	CWSEL	DIFKWS	EG	TOPWID	GLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
4.200	5.98	0.	6.15	172.75	0.	2511.00	0.	0.	0.	2559.00	2741.00	0.
4.200	6.72	.74	6.84	182.00	0.	2511.00	0.	.29	2559.00	2559.00	2741.00	2741.00
4.300	6.02	0.	6.20	173.38	0.	2511.00	0.	0.	0.	2559.00	2741.00	0.
4.300	6.77	.74	6.89	182.00	0.	2511.00	0.	.29	2559.00	2559.00	2741.00	2741.00
4.400	6.21	0.	6.29	1180.29	475.41	1967.98	67.61	0.	0.	2559.00	2741.00	0.
4.400	6.83	.61	6.95	182.00	0.	2511.00	0.	.31	2559.00	2559.00	2741.00	2741.00
1.000	6.53	0.	6.54	1169.22	303.36	1935.49	272.15	0.	0.	657.00	802.00	0.
1.000	7.23	.76	7.24	533.97	185.90	2182.52	142.58	.15	440.30	657.00	802.00	974.27
5.100	6.63	0.	6.65	735.75	74.41	2265.19	171.40	0.	0.	322.00	456.00	0.
5.100	7.34	.71	7.36	134.00	0.	2511.00	0.	.13	322.00	322.00	456.00	456.00
5.200	6.64	0.	6.66	210.73	0.	2511.00	0.	0.	0.	316.00	536.00	0.
5.200	7.36	.72	7.37	212.85	0.	2511.00	0.	0.	316.00	316.00	536.00	536.00
5.300	6.64	0.	6.66	210.76	0.	2511.00	0.	0.	0.	316.00	536.00	0.
5.300	7.64	1.09	7.66	213.72	0.	2511.00	0.	0.	0.	316.00	536.00	0.
5.400	6.65	0.	6.66	736.08	74.87	2264.02	172.11	0.	0.	322.00	456.00	0.
5.400	7.64	1.00	7.66	134.00	0.	2511.00	0.	.13	322.00	322.00	456.00	456.00
2.000	6.79	0.	6.80	966.15	332.36	2025.48	153.16	0.	0.	1283.00	1420.00	0.
2.000	7.79	1.01	7.81	400.67	248.96	2262.04	0.	.14	1019.33	1283.00	1420.00	1420.00
6.100	7.03	0.	7.06	1044.43	1081.19	1409.79	20.02	0.	0.	1219.00	1282.00	0.
6.100	8.05	1.02	8.08	558.01	954.07	1556.93	0.	.18	723.99	1219.00	1282.00	1282.00
6.200	7.06	0.	7.07	960.24	1554.38	956.52	0.	0.	0.	1223.00	1281.00	0.
6.200	8.08	1.02	8.11	561.23	1409.50	1101.50	0.	.21	719.77	1223.00	1281.00	1281.00
6.300	7.46	0.	7.48	978.02	1580.23	930.77	0.	0.	0.	1223.00	1281.00	0.
6.300	8.48	1.02	8.50	581.30	1452.58	1058.42	0.	.20	699.71	1223.00	1281.00	1281.00
6.400	7.46	0.	7.48	1072.12	1125.02	1361.69	24.29	0.	0.	1219.00	1282.00	0.
6.400	8.49	1.02	8.51	580.32	1017.38	1493.62	0.	.17	701.68	1219.00	1282.00	1282.00
3.000	7.75	0.	7.76	948.44	968.07	754.13	277.80	0.	0.	845.00	902.00	0.
3.000	8.77	1.02	8.79	608.45	1022.34	897.37	80.28	.22	330.95	845.00	902.00	939.40

FLOODWAY DATA, FLOOD
PROFILE NO. 2

STATION	FLOODWAY WIDTH	FLOODWAY SECTION AREA	MEAN VELOCITY	WATER SURFACE ELEVATION DIFFERENCE		
				WITH FLOODWAY	WITHOUT FLOODWAY	
1.100	97.	664.	3.8	1.3	.3	1.0
1.200	101.	678.	3.7	1.4	.5	.9
1.300	415.	782.	3.2	1.9	.9	1.0
2.200	100.	801.	3.1	2.0	1.1	.9
2.300	100.	810.	3.1	2.1	1.1	1.0
2.400	97.	797.	3.6	2.1	1.1	1.0
3.100	117.	1334.	1.9	2.6	1.8	.8
3.200	163.	1347.	1.9	2.6	1.8	.8
3.300	164.	1380.	1.8	2.8	1.8	1.0
3.400	117.	1361.	1.8	2.9	1.9	1.0
4.100	182.	854.	2.9	6.5	5.8	.7
4.200	182.	880.	2.9	6.7	6.0	.7
4.300	182.	889.	2.8	6.7	6.0	.7
4.400	182.	900.	2.8	6.8	6.2	.6
1.000	534.	4485.	.6	7.2	6.5	.7
5.100	134.	2088.	1.2	7.3	6.6	.7
5.200	213.	2638.	.9	7.3	6.6	.7
5.300	214.	2750.	.9	7.6	6.6	1.0
5.400	134.	2129.	1.2	7.6	6.6	1.0
A-2.000	401.	3689.	.7	7.8	6.8	1.0
6.100	552.	4304.	.6	8.0	7.0	1.0
6.200	561.	4296.	.6	8.1	7.1	1.0
6.300	581.	4682.	.5	8.5	7.5	1.0
6.400	580.	4716.	.5	8.5	7.5	1.0
f-3.000	608.	4274.	.5	8.7	7.7	1.0