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HEC2 VERSION UPDATED JAN 1976  
ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09  
MODIFICATIONS 52,53,54,55,56,57,58  
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SCUPPERNONG

RIVER

~~0001 = 10.4h~~  
~~0002 = 52.4h~~  
~~0005 = 10.4h~~

THIS RUN EXECUTED 06 AUG 82 11.32.32

J.K.

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 HEC2 RELEASE DATED NOV 76 UPDATED MARC 1982  
 ERROR CORR - 01,02,03,04,05  
 MODIFICATION - 50,51,52,53,54,55  
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T1 NORTH CAROLINA FLOOD INSURANCE STUDIES  
 T2 SCUPPERNONG RIVER  
 T3 10-YEAR FLOOD

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-0.	2.	-0.	-0.	-9.	-0.	-0.	-0.	.250	-0.
J2	NPROF	IFLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	-0.	-0.	-1.000	-0.	-0.	-0.	-1.000	-0.	-0.	-0.
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	110.000	150.000	200.000	201.000	-0.	-0.	-0.	-0.	-0.	-0.
J6	IHLEG	ICOPY								
	1.000	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
NC	.200	.200	.050	.100	.300	-0.	-0.	-0.	-0.	-0.
QT	5.000	550.000	1071.000	1377.000	2300.000	1377.000	-0.	-0.	-0.	-0.
X1	1.000	13.000	3160.000	3245.000	-0.	-0.	-0.	-0.	-0.	-0.
X4	1.000	1.000	2300.000	-0.	-0.	-0.	-0.	-0.	-0.	-0.
GR	5.000	-0.	.090	2760.000	.080	2960.000	1.300	3160.000	.240	3165.000
GR	-13.600	3185.000	-14.100	3205.000	-6.000	3225.000	.240	3245.000	1.100	3245.000
GR	1.000	3445.000	1.100	3645.000	5.000	6740.000	-0.	-0.	-0.	-0.
X1	1.100	17.000	441.000	501.000	2500.000	4100.000	2920.000	-0.	-0.	-0.
GR	5.900	-0.	5.600	135.000	4.000	160.000	4.600	181.000	4.300	200.000
GR	1.900	225.000	1.500	441.000	.200	441.000	-8.600	456.000	-10.500	471.000
GR	-9.700	486.000	.200	501.000	1.400	501.000	1.300	701.000	1.200	901.000
GR	1.000	3200.000	5.000	4000.000	-0.	-0.	-0.	-0.	-0.	-0.
NC	-0.	-0.	-0.	.300	.500	-0.	-0.	-0.	-0.	-0.
X1	1.200	20.000	410.000	534.000	100.000	100.000	100.000	-0.	-0.	-0.
X3	10.000	-0.	-0.	-0.	-0.	-0.	-0.	4.300	3.500	-0.
X4	3.000	4.600	181.000	4.300	200.000	1.900	225.000	-0.	-0.	-0.
GR	4.300	-0.	5.600	135.000	4.000	160.000	5.500	410.000	5.800	415.000
GR	2.200	427.000	2.000	432.000	1.300	440.000	.220	440.000	-6.800	456.000
GR	-10.400	474.000	-6.800	491.000	.220	507.000	1.600	507.000	2.000	513.000
GR	2.500	520.000	5.000	534.000	1.300	565.000	1.300	3200.000	5.000	4000.000

SB	1.250	1.600	2.800	-0.	8.400	6.000	1018.000	3.080	-10.400	-10.400
X1	1.300	-0.	-0.	-0.	26.000	26.000	26.000	-0.	-0.	-0.
X2	-0.	-0.	1.000	7.370	3.500	-0.	-0.	-0.	-0.	-0.
X3	10.000	-0.	-0.	-0.	-0.	-0.	-0.	4.300	3.500	-0.
BT	10.000	-0.	4.300	-0.	400.000	4.300	-0.	410.000	10.000	-0.
BT	410.000	12.000	-0.	534.000	12.000	-0.	534.000	10.000	-0.	544.000
BT	5.300	-0.	701.000	5.300	-0.	901.000	3.500	-0.	4000.000	5.000
BT	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
X1	1.400	17.000	441.000	501.000	50.000	50.000	50.000	-0.	-0.	-0.
GR	5.900	-0.	5.600	135.000	4.000	160.000	4.600	181.000	4.300	200.000
GR	1.900	225.000	1.500	441.000	.200	441.000	-8.600	456.000	-10.500	471.000
GR	-9.700	486.000	.200	501.000	1.400	501.000	1.300	701.000	1.200	901.000
GR	1.000	3200.000	5.000	4000.000	-0.	-0.	-0.	-0.	-0.	-0.
NC	-0.	-0.	-0.	.100	.300	-0.	-0.	-0.	-0.	-0.
X1	2.000	16.000	1254.000	1340.000	3960.000	3960.000	3950.000	-0.	-0.	-0.
GR	5.000	-0.	.900	622.000	.900	922.000	1.300	1216.000	2.900	1227.000
GR	3.400	1244.000	1.200	1254.000	.300	1264.000	-8.300	1282.000	-7.400	1300.000
GR	-3.100	1318.000	.300	1336.000	1.000	1340.000	.900	1540.000	1.000	1840.000
GR	5.000	3240.000	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
QT	5.000	259.000	517.000	671.000	1151.000	671.000	-0.	-0.	-0.	-0.
X1	3.000	15.000	1833.000	1866.000	6400.000	6000.000	6280.000	-0.	-2.300	-0.
GR	5.000	-0.	2.100	1446.000	1.000	1646.000	1.100	1796.000	3.300	1814.000
GR	2.100	1833.000	.200	1833.000	-7.000	1842.000	-11.200	1850.000	-10.800	1858.000
GR	.200	1866.000	2.000	1866.000	1.100	2066.000	1.100	2266.000	5.000	3650.000
QT	5.000	68.000	142.000	187.000	336.000	187.000	-0.	-0.	-0.	-0.
X1	2.100	15.000	1487.000	1516.000	1800.000	1300.000	1806.000	-0.	-0.	-0.
GR	5.000	-0.	2.100	1100.000	1.000	1300.000	1.100	1450.000	3.300	1468.000
GR	2.100	1487.000	.200	1487.000	-7.000	1492.000	-11.200	1500.000	-10.800	1508.000
GR	.200	1516.000	2.000	1516.000	1.100	1716.000	1.100	1916.000	5.000	2300.000
VC	-0.	-0.	-0.	.300	.500	-0.	-0.	-0.	-0.	-0.
X1	2.200	14.000	1487.000	1535.000	100.000	100.000	100.000	-0.	-0.	-0.
X3	10.000	-0.	-0.	-0.	-0.	-0.	-0.	4.200	4.900	-0.
GR	5.000	-0.	2.100	1100.000	1.000	1300.000	1.100	1450.000	3.300	1468.000
GR	1.700	1487.000	1.400	1490.000	.200	1490.000	7.400	1503.000	-10.900	1511.000
GR	-11.600	1519.000	1.500	1535.000	1.100	1916.000	5.000	2300.000	-0.	-0.
SB	1.250	1.600	2.800	-0.	15.300	4.000	428.000	1.070	-10.900	-10.900
X1	2.300	-0.	-0.	-0.	30.000	30.000	30.000	-0.	-0.	-0.
X2	-0.	-0.	1.000	4.560	4.200	-0.	-0.	-0.	-0.	-0.
X3	10.000	-0.	-0.	-0.	-0.	-0.	-0.	4.200	5.300	-0.
BT	9.000	-0.	5.500	-0.	110.000	4.200	-0.	1300.000	4.300	-0.
BT	1487.000	6.200	-0.	1487.000	8.700	-0.	1535.000	8.700	-0.	1555.000
BT	6.200	-0.	1720.000	5.300	-0.	2300.000	5.500	-0.	-0.	-0.



THIS RUN EXECUTED 06 AUG 82 11.32.34

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 HEC2 RELEASE DATED NOV 76 UPDATED MARC 1982  
 ERROR CORR - 01,02,03,04,05  
 MODIFICATION - 50,51,52,53,54,55  
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T1 NORTH CAROLINA FLOOD INSURANCE STUDIES  
 T2 SCUPPERNONG RIVER  
 T3 50-YEAR FLOOD

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

THIS RUN EXECUTED 06 AUG 82 11.32.34

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 HEC2 RELEASE DATED NOV 76 UPDATED MARC 1982  
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T1 NORTH CAROLINA FLOOD INSURANCE STUDIES  
 T2 SCUPPERNONG RIVER  
 T3 100-YEAR FLOOD

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-0.	4.	-0.	-0.	-0.	-0.	-0.	-0.	.250	-0.
J2	NPROF	IPLLOT	PRFVS	XSECV	XSECH	FN	ALLOC	IBW	CHNIM	ITRACE
	3.000	-0.	-1.000	-0.	-0.	-0.	-1.000	-0.	-0.	-0.

THIS RUN EXECUTED 06 AUG 82 11.32.34

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 HEC2 RELEASE DATED NOV 76 UPDATED MARC 1982  
 ERROR CORR - 01,02,03,04,05  
 MODIFICATION - 50,51,52,53,54,55  
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T1 NORTH-CAROLINA FLOOD INSURANCE STUDIES  
 T2 SCUPPERNONG RIVER  
 T3 500-YEAR FLOOD

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-0.	5.	-0.	-0.	.000400	-0.	-0.	-0.	.250	-0.
J2	NPROF	IFLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.000	-0.	-1.000	-0.	-0.	-0.	-1.000	-0.	-0.	-0.

THIS RUN EXECUTED 05 AUG 82 11.32.35

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 HEC2 RELEASE DATED NOV 76 UPDATED MARC 1982  
 ERROR CORR - 01,02,03,04,05  
 MODIFICATION - 50,51,52,53,54,55  
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NOTE- ASTERISK (\*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

10-YEAR FLOOD

SJMMARY PRINTOUT TABLE 110

SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	GCH	QRDB	PERENC	STENCL	STCHL	STCHR	STENCR
1.000	.25	0.	.26	388.80	.58	549.42	0.	0.	0.	3160.00	3245.00	0.
1.000	.25	0.	.29	388.80	1.13	1069.87	0.	0.	0.	3160.00	3245.00	0.
1.000	.25	0.	.31	388.80	1.45	1375.55	0.	0.	0.	3160.00	3245.00	0.
1.000	1.74	1.49	1.83	2278.84	204.92	2051.78	43.31	0.	0.	3160.00	3245.00	0.
1.100	.49	0.	.51	60.00	0.	550.00	0.	0.	0.	441.00	501.00	0.
1.100	1.03	0.	1.11	411.57	0.	1070.95	.05	0.	0.	441.00	501.00	0.
1.100	1.39	0.	1.49	2829.71	0.	1323.93	53.07	0.	0.	441.00	501.00	0.
1.100	2.87	0.	2.92	3360.11	37.01	1333.64	929.35	0.	0.	441.00	501.00	0.
1.200	.50	0.	.53	67.00	0.	550.00	0.	0.	0.	410.00	534.00	0.
1.200	1.07	0.	1.15	67.00	0.	1071.00	0.	0.	0.	410.00	534.00	0.
1.200	1.44	0.	1.56	68.57	0.	1377.00	0.	0.	0.	410.00	534.00	0.
1.200	2.88	0.	3.09	97.37	0.	2300.00	0.	0.	0.	410.00	534.00	0.
1.300	.51	0.	.53	67.00	0.	550.00	0.	0.	0.	410.00	534.00	0.
1.300	1.09	0.	1.17	67.00	0.	1071.00	0.	0.	0.	410.00	534.00	0.
1.300	1.47	0.	1.59	68.98	0.	1377.00	0.	0.	0.	410.00	534.00	0.
1.300	2.93	0.	3.14	97.84	0.	2300.00	0.	0.	0.	410.00	534.00	0.
1.400	.52	0.	.54	60.00	0.	550.00	0.	0.	0.	441.00	501.00	0.
1.400	1.12	0.	1.19	1392.04	0.	1069.40	1.60	0.	0.	441.00	501.00	0.
1.400	1.54	0.	1.62	2886.54	.00	1277.94	99.06	0.	0.	441.00	501.00	0.
1.400	3.18	0.	3.21	3424.13	46.85	1203.50	1049.65	0.	0.	441.00	501.00	0.
2.000	1.20	0.	1.22	1221.72	5.73	538.50	5.67	0.	0.	1254.00	1340.00	0.
2.000	2.35	0.	2.38	1883.42	131.16	808.17	131.67	0.	0.	1254.00	1340.00	0.
2.000	2.86	0.	2.88	2145.77	229.05	910.61	237.35	0.	0.	1254.00	1340.00	0.
2.000	4.07	0.	4.09	2773.28	547.34	1143.73	608.93	0.	0.	1254.00	1340.00	0.
3.000	1.36	0.	1.36	2502.49	48.95	136.09	73.96	0.	0.	1833.00	1866.00	0.
3.000	2.54	0.	2.54	3514.50	144.93	180.13	191.94	0.	0.	1833.00	1866.00	0.
3.000	3.05	0.	3.05	3650.00	210.38	195.04	265.58	0.	0.	1833.00	1866.00	0.
3.000	4.26	0.	4.26	3650.00	422.71	233.19	495.10	0.	0.	1833.00	1866.00	0.



SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
2.100	1.37	0.	1.37	534.86	.50	67.01	.49	0.	0.	1487.00	1516.00	0.
2.100	2.56	0.	2.56	1116.82	13.72	110.89	17.39	0.	0.	1487.00	1516.00	0.
2.100	3.07	0.	3.07	1372.61	27.85	125.99	33.16	0.	0.	1487.00	1516.00	0.
2.100	4.28	0.	4.28	1957.43	90.64	156.50	88.86	0.	0.	1487.00	1516.00	0.
2.200	1.37	0.	1.37	31.32	0.	68.00	0.	0.	0.	1487.00	1535.00	0.
2.200	2.56	0.	2.57	37.15	0.	142.00	0.	0.	0.	1487.00	1535.00	0.
2.200	3.07	0.	3.08	38.29	0.	187.00	0.	0.	0.	1487.00	1535.00	0.
2.200	4.28	0.	4.29	1256.59	138.14	197.86	0.	0.	0.	1487.00	1535.00	0.
2.300	1.37	0.	1.37	31.32	0.	68.00	0.	0.	0.	1487.00	1535.00	0.
2.300	2.56	0.	2.57	37.15	0.	142.00	0.	0.	0.	1487.00	1535.00	0.
2.300	3.07	0.	3.08	38.29	0.	187.00	0.	0.	0.	1487.00	1535.00	0.
2.300	4.29	0.	4.30	1260.79	138.69	197.31	0.	0.	0.	1487.00	1535.00	0.
2.400	1.37	0.	1.37	535.62	.51	67.00	.49	0.	0.	1487.00	1516.00	0.
2.400	2.57	0.	2.57	1118.47	13.77	110.79	17.44	0.	0.	1487.00	1516.00	0.
2.400	3.08	0.	3.08	1374.58	27.93	125.85	33.23	0.	0.	1487.00	1516.00	0.
2.400	4.30	0.	4.30	1962.76	90.98	155.98	89.04	0.	0.	1487.00	1516.00	0.

10-YEAR FLOOD

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K*S	VCH	AREA	*01K
1.000	0.	0.	0.	-14.10	550.00	.25	-11.27	.26	.45	.80	731.04	815.42
1.000	0.	0.	0.	-14.10	1071.00	.25	-9.98	.29	1.73	1.55	731.04	815.42
1.000	0.	0.	0.	-14.10	1377.00	.25	-9.37	.31	2.85	2.00	731.04	815.42
1.000	0.	0.	0.	-14.10	2300.00	1.74	-7.84	1.83	3.99	2.52	2500.66	1151.57
1.100	2920.00	0.	0.	-10.50	550.00	.49	-7.68	.51	1.23	1.20	458.26	495.31
1.100	2920.00	0.	0.	-10.50	1071.00	1.03	-6.52	1.11	3.80	2.18	496.09	549.35
1.100	2920.00	0.	0.	-10.50	1377.00	1.39	-5.96	1.49	5.09	2.58	1246.73	610.13
1.100	2920.00	0.	0.	-10.50	2300.00	2.87	-4.52	2.92	3.04	2.22	5921.83	1318.62
1.200	100.00	0.	0.	-10.40	550.00	.50	-6.64	.53	1.57	1.25	439.52	439.47
1.200	100.00	0.	0.	-10.40	1071.00	1.07	-5.50	1.15	4.60	2.24	477.63	499.49
1.200	100.00	0.	0.	-10.40	1377.00	1.44	-4.95	1.56	5.67	2.74	502.70	533.27
1.200	100.00	0.	0.	-10.40	2300.00	2.88	-3.54	3.09	14.00	3.68	624.76	614.80
1.300	26.00	3.50	7.37	-10.40	550.00	.51	0.	.53	1.56	1.25	440.23	440.57
1.300	26.00	3.50	7.37	-10.40	1071.00	1.09	0.	1.17	4.55	2.23	479.38	502.31
1.300	26.00	3.50	7.37	-10.40	1377.00	1.47	0.	1.59	6.61	2.73	505.15	535.48
1.300	26.00	3.50	7.37	-10.40	2300.00	2.93	0.	3.14	13.70	3.65	629.96	621.39
1.400	50.00	0.	0.	-10.50	550.00	.52	-7.68	.54	1.22	1.20	459.88	497.96
1.400	50.00	0.	0.	-10.50	1071.00	1.12	-6.53	1.19	3.68	2.16	571.69	558.65
1.400	50.00	0.	0.	-10.50	1377.00	1.54	-5.96	1.62	4.50	2.45	1650.50	648.93
1.400	50.00	0.	0.	-10.50	2300.00	3.18	-4.52	3.21	2.24	1.94	6953.82	1535.87
2.000	3960.00	0.	0.	-8.30	550.00	1.20	-5.20	1.22	2.24	1.26	687.71	367.62
2.000	3960.00	0.	0.	-8.30	1071.00	2.35	-4.00	2.38	2.52	1.54	2507.22	675.08
2.000	3960.00	0.	0.	-8.30	1377.00	2.86	-3.43	2.88	2.44	1.60	3537.20	880.87
2.000	3960.00	0.	0.	-8.30	2300.00	4.07	-2.04	4.09	2.20	1.70	6522.97	1550.49
3.000	6280.00	0.	0.	-13.50	259.00	1.36	-10.62	1.36	.11	.38	3904.93	783.57
3.000	6280.00	0.	0.	-13.50	517.00	2.54	-9.33	2.54	.14	.46	7472.17	1407.02
3.000	6280.00	0.	0.	-13.50	671.00	3.05	-8.74	3.05	.14	.48	9322.79	1808.42
3.000	6280.00	0.	0.	-13.50	1151.00	4.26	-7.19	4.26	.14	.52	13735.53	3028.52
2.100	1806.00	0.	0.	-11.20	68.00	1.37	-9.81	1.37	.07	.26	386.15	265.30
2.100	1806.00	0.	0.	-11.20	142.00	2.56	-9.13	2.56	.12	.38	1373.19	403.44
2.100	1806.00	0.	0.	-11.20	187.00	3.07	-8.78	3.07	.14	.41	2007.70	507.38
2.100	1806.00	0.	0.	-11.20	336.00	4.28	-7.88	4.28	.15	.45	4029.26	878.23
2.200	100.00	0.	0.	-11.60	68.00	1.37	-10.04	1.37	.10	.29	237.85	212.98
2.200	100.00	0.	0.	-11.60	142.00	2.56	-9.31	2.57	.31	.51	279.97	254.02
2.200	100.00	0.	0.	-11.60	187.00	3.07	-8.95	3.08	.45	.62	299.20	278.11
2.200	100.00	0.	0.	-11.60	336.00	4.28	-7.97	4.29	.34	.57	2355.75	578.49

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	E6	10K+S	VCH	AREA	01K
2.300	30.00	4.20	4.56	-11.60	68.00	1.37	0.	1.37	.10	.29	237.85	212.98
2.300	30.00	4.20	4.56	-11.60	142.00	2.56	0.	2.57	.31	.51	279.99	254.04
2.300	30.00	4.20	4.56	-11.60	187.00	3.07	0.	3.08	.45	.62	299.22	278.13
2.300	30.00	4.20	4.56	-11.60	336.00	4.29	0.	4.30	.33	.57	2369.59	581.11
2.400	50.00	0.	0.	-11.20	68.00	1.37	-9.81	1.37	.07	.26	386.94	265.39
2.400	50.00	0.	0.	-11.20	142.00	2.57	-9.12	2.57	.12	.38	1376.88	404.03
2.400	50.00	0.	0.	-11.20	187.00	3.08	-8.79	3.08	.14	.41	2013.10	508.29
2.400	50.00	0.	0.	-11.20	336.00	4.30	-7.89	4.30	.14	.45	4051.16	882.53

## 10-YEAR FLOOD

## SUMMARY PRINTOUT TABLE 150

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
1.000	550.00	.25	0.	0.	0.	388.80	0.
1.000	1071.00	.25	0.	0.	0.	388.80	0.
1.000	1377.00	.25	0.	0.	0.	388.80	0.
1.000	2300.00	1.74	1.49	0.	1.49	2278.84	0.
1.100	550.00	.49	0.	.24	0.	60.00	2920.00
1.100	1071.00	1.03	.54	.78	0.	411.57	2920.00
1.100	1377.00	1.39	.36	1.14	0.	2829.71	2920.00
1.100	2300.00	2.87	1.48	1.13	0.	3360.11	2920.00
1.200	550.00	.50	0.	.01	0.	67.00	100.00
1.200	1071.00	1.07	.57	.04	0.	67.00	100.00
1.200	1377.00	1.44	.37	.05	0.	68.57	100.00
1.200	2300.00	2.88	1.43	.00	0.	97.37	100.00
1.300	550.00	.51	0.	.01	0.	67.00	26.00
1.300	1071.00	1.09	.58	.02	0.	67.00	26.00
1.300	1377.00	1.47	.38	.03	0.	68.98	26.00
1.300	2300.00	2.93	1.46	.05	0.	97.94	26.00
1.400	550.00	.52	0.	.01	0.	60.00	50.00
1.400	1071.00	1.12	.60	.03	0.	1392.04	50.00
1.400	1377.00	1.54	.42	.06	0.	2886.54	50.00
1.400	2300.00	3.18	1.64	.25	0.	3424.13	50.00
2.000	550.00	1.20	0.	.68	0.	1221.72	3960.00
2.000	1071.00	2.35	1.15	1.23	0.	1883.42	3960.00
2.000	1377.00	2.86	.51	1.32	0.	2145.77	3960.00
2.000	2300.00	4.07	1.21	.89	0.	2773.28	3960.00
3.000	259.00	1.36	0.	.16	0.	2502.49	6280.00
3.000	517.00	2.54	1.18	.19	0.	3514.50	6280.00
3.000	671.00	3.05	.51	.19	0.	3650.00	6280.00
3.000	1151.00	4.26	1.21	.19	0.	3650.00	6280.00
2.100	68.00	1.37	0.	.01	0.	534.86	1806.00
2.100	142.00	2.56	1.19	.02	0.	1116.82	1806.00
2.100	187.00	3.07	.51	.02	0.	1372.61	1806.00
2.100	336.00	4.28	1.21	.02	0.	1957.43	1806.00
2.200	68.00	1.37	0.	.00	0.	31.32	100.00
2.200	142.00	2.56	1.19	.00	0.	37.15	100.00
2.200	187.00	3.07	.51	.00	0.	38.29	100.00
2.200	336.00	4.28	1.21	.00	0.	1256.59	100.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
2.300	68.00	1.37	0.	.00	0.	31.32	30.00
2.300	142.00	2.56	1.19	.00	0.	37.15	30.00
2.300	187.00	3.07	.51	.00	0.	38.29	30.00
2.300	336.00	4.29	1.22	.01	0.	1260.79	30.00
2.400	68.00	1.37	0.	.00	0.	535.62	50.00
2.400	142.00	2.57	1.19	.00	0.	1118.47	50.00
2.400	187.00	3.08	.51	.01	0.	1374.58	50.00
2.400	336.00	4.30	1.22	.00	0.	1962.76	50.00

FLOODWAY DATA, 10-YEAR FLOOD  
 PROFILE NO. 2

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		
	WIDTH	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
1.000	566.	731.	1.5	.3	.3	0.
1.100	2765.	496.	2.2	1.0	.5	.5
1.200	67.	478.	2.2	1.1	.5	.6
1.300	67.	479.	2.2	1.1	.5	.6
1.400	2782.	572.	1.9	1.1	.5	.6
2.000	1909.	2507.	.4	2.4	1.2	1.2
3.000	3514.	7472.	.1	2.6	1.4	1.2
2.100	1135.	1373.	.1	2.6	1.4	1.2
2.200	48.	280.	.5	2.6	1.4	1.2
2.300	48.	280.	.5	2.6	1.4	1.2
2.400	1136.	1377.	.1	2.6	1.4	1.2

FLOODWAY DATA, 10-YEAR FLOOD  
PROFILE NO. 3

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		
	WIDTH	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
1.000	566.	731.	1.9	.3	.3	0.
1.100	2838.	1247.	1.1	1.4	.5	.9
1.200	69.	503.	2.7	1.4	.5	.9
1.300	69.	505.	2.7	1.5	.5	1.0
1.400	2887.	1651.	.8	1.5	.5	1.0
2.000	2166.	3537.	.4	2.9	1.2	1.7
3.000	3650.	9323.	.1	3.1	1.4	1.7
2.100	1378.	2008.	.1	3.1	1.4	1.7
2.200	48.	299.	.6	3.1	1.4	1.7
2.300	48.	299.	.6	3.1	1.4	1.7
2.400	1380.	2013.	.1	3.1	1.4	1.7

FLOODWAY DATA, 10-YEAR FLOOD  
 PROFILE NO. 4

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		
	WIDTH	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
1.000	2279.	2501.	.9	1.8	.3	1.5
1.100	3360.	5922.	.4	2.9	.5	2.4
1.200	97.	625.	3.7	2.9	.5	2.4
1.300	98.	630.	3.7	2.9	.5	2.4
1.400	3424.	6954.	.3	3.2	.5	2.7
2.000	2773.	6523.	.4	4.1	1.2	2.9
3.000	3650.	13736.	.1	4.3	1.4	2.9
2.100	1957.	4029.	.1	4.3	1.4	2.9
2.200	1264.	2356.	.1	4.3	1.4	2.9
2.300	1268.	2370.	.1	4.3	1.4	2.9
2.400	1963.	4051.	.1	4.3	1.4	2.9



O.K.

THIS RUN EXECUTED 13 AUG 82 11.04.37

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 HEC2 RELEASE DATED NOV 76 UPDATED MARC 1982  
 ERROR CORR - 01,02,03,04,05  
 MODIFICATION - 50,51,52,53,54,55  
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T1 NORTH CAROLINA FLOOD INSURANCE STUDIES  
 T2 SCUPPERNONG RIVER  
 T3 BASE FLOOD

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-0.	4.	-0.	-0.	-0.	-0.	-0.	-0.	.250	-0.
J2	NPROF	IPLOT	PRFS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	-0.	-0.	-1.000	-0.	-0.	-0.	-1.000	-0.	-0.	-0.
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	110.000	200.000	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
J5	LPRNT	NUMSEC	*****REQUESTED SECTION NUMBERS*****							
	-10.000	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
J6	IHLW	ICOPY								
	1.000	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
NC	.200	.200	.050	.100	.300	-0.	-0.	-0.	-0.	-0.
QT	5.000	550.000	1071.000	1377.000	2300.000	1377.000	-0.	-0.	-0.	-0.
ET	-0.	-0.	-0.	-0.	-0.	10.400	-0.	-0.	-0.	-0.
X1	1.000	13.000	3160.000	3245.000	-0.	-0.	-0.	-0.	-0.	-0.
X4	1.000	1.000	2300.000	-0.	-0.	-0.	-0.	-0.	-0.	-0.
GR	5.000	-0.	.090	2760.000	.080	2960.000	1.300	3160.000	.240	3165.000
GR	-13.600	3185.000	-14.100	3205.000	-6.000	3225.000	.240	3245.000	1.100	3245.000
GR	1.000	3445.000	1.100	3645.000	5.000	6740.000	-0.	-0.	-0.	-0.
X1	1.100	17.000	441.000	501.000	2500.000	4100.000	2920.000	-0.	-0.	-0.
GR	5.900	-0.	5.600	135.000	4.000	150.000	4.600	181.000	4.300	200.000
GR	1.900	225.000	1.500	441.000	.200	441.000	-8.600	456.000	-10.500	471.000
GR	-9.700	486.000	.200	501.000	1.400	501.000	1.300	701.000	1.200	901.000
GR	1.000	3200.000	5.000	4000.000	-0.	-0.	-0.	-0.	-0.	-0.
NC	-0.	-0.	-0.	.300	.500	-0.	-0.	-0.	-0.	-0.
X1	1.200	20.000	410.000	534.000	100.000	100.000	100.000	-0.	-0.	-0.
X3	10.000	-0.	-0.	-0.	-0.	-0.	-0.	4.300	3.500	-0.
X4	3.000	4.600	181.000	4.300	250.000	1.900	225.000	-0.	-0.	-0.
GR	4.300	-0.	5.600	135.000	4.000	160.000	5.500	410.000	5.800	415.000
GR	2.200	427.000	2.000	432.000	1.300	440.000	.220	440.000	-6.800	456.000
GR	-10.400	474.000	-6.800	491.000	.220	507.000	1.600	507.000	2.000	513.000

GR	2.500	520.000	5.000	534.000	1.300	565.000	1.300	3200.000	5.000	4000.000
SB	1.250	1.600	2.800	-0.	8.400	6.000	1018.000	3.080	-10.400	-10.400
X1	1.300	-0.	-0.	-0.	26.000	26.000	26.000	-0.	-0.	-0.
X2	-0.	-0.	1.000	7.370	3.500	-0.	-0.	-0.	-0.	-0.
X3	10.000	-0.	-0.	-0.	-0.	-0.	-0.	4.300	3.500	-0.
BT	10.000	-0.	4.300	-0.	400.000	4.300	-0.	410.000	10.000	-0.
BT	410.000	12.000	-0.	534.000	12.000	-0.	534.000	10.000	-0.	544.000
BT	5.300	-0.	791.000	5.300	-0.	901.000	3.500	-0.	4000.000	5.000
BT	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
X1	1.400	17.000	441.000	501.000	50.000	50.000	50.000	-0.	-0.	-0.
GR	5.900	-0.	5.600	135.000	4.000	160.000	4.600	181.000	4.300	200.000
GR	1.900	225.000	1.500	441.000	.200	441.000	-8.600	456.000	-10.500	471.000
GR	-9.700	486.000	.200	501.000	1.400	501.000	1.300	701.000	1.200	901.000
GR	1.000	3200.000	5.000	4000.000	-0.	-0.	-0.	-0.	-0.	-0.
NC	-0.	-0.	-0.	.100	.300	-0.	-0.	-0.	-0.	-0.
X1	2.000	16.000	1254.000	1340.000	3960.000	3960.000	3960.000	-0.	-0.	-0.
GR	5.000	-0.	.900	622.000	.900	922.000	1.300	1216.000	2.900	1227.000
GR	3.400	1244.000	1.200	1254.000	.300	1264.000	-8.300	1282.000	-7.400	1300.000
GR	-3.100	1318.000	.300	1336.000	1.000	1340.000	.900	1540.000	1.000	1840.000
GR	5.000	3240.000	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
QT	5.000	259.000	517.000	671.000	1151.000	671.000	-0.	-0.	-0.	-0.
X1	3.000	15.000	1833.000	1866.000	6400.000	6000.000	6280.000	-0.	-2.300	-0.
GR	5.000	-0.	2.100	1446.000	1.000	1646.000	1.100	1796.000	3.300	1814.000
GR	2.100	1833.000	.200	1833.000	-7.000	1842.000	-11.200	1850.000	-10.800	1858.000
GR	.200	1866.000	2.000	1866.000	1.100	2066.000	1.100	2266.000	5.000	3650.000
QT	5.000	68.000	142.000	187.000	336.000	187.000	-0.	-0.	-0.	-0.
X1	2.100	15.000	1487.000	1516.000	1890.000	1300.000	1806.000	-0.	-0.	-0.
GR	5.000	-0.	2.100	1100.000	1.000	1300.000	1.100	1450.000	3.300	1468.000
GR	2.100	1487.000	.200	1487.000	-7.000	1492.000	-11.200	1500.000	-10.800	1508.000
GR	.200	1516.000	2.000	1516.000	1.100	1716.000	1.100	1916.000	5.000	2300.000
NC	-0.	-0.	-0.	.300	.500	-0.	-0.	-0.	-0.	-0.
X1	2.200	14.000	1487.000	1535.000	190.000	190.000	100.000	-0.	-0.	-0.
X3	10.000	-0.	-0.	-0.	-0.	-0.	-0.	4.200	4.900	-0.
GR	5.000	-0.	2.100	1100.000	1.000	1300.000	1.100	1450.000	3.300	1468.000
GR	1.700	1487.000	1.400	1490.000	.200	1490.000	7.400	1503.000	-10.900	1511.000
GR	-11.600	1519.000	1.500	1535.000	1.100	1916.000	5.000	2300.000	-0.	-0.
SB	1.250	1.600	2.800	-0.	15.300	4.000	428.000	1.070	-10.900	-10.900
X1	2.300	-0.	-0.	-0.	30.000	30.000	30.000	-0.	-0.	-0.
X2	-0.	-0.	1.000	4.560	4.200	-0.	-0.	-0.	-0.	-0.
X3	10.000	-0.	-0.	-0.	-0.	-0.	-0.	4.200	5.300	-0.
BT	9.000	-0.	5.500	-0.	110.000	4.200	-0.	1300.000	4.300	-0.
BT	1487.000	6.200	-0.	1487.000	8.700	-0.	1535.000	8.700	-0.	1555.000
BT	6.200	-0.	1720.000	5.300	-0.	2300.000	5.500	-0.	-0.	-0.



THIS RUN EXECUTED 13 AUG 82 11.04.38

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 HEC2 RELEASE DATED NOV 76 UPDATED MARC 1982  
 ERROR CORR - 01,02,03,04,05  
 MODIFICATION - 50,51,52,53,54,55  
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T1 NORTH CAROLINA FLOOD INSURANCE STUDIES  
 T2 SCUPPERNONG RIVER  
 T3 FLOODWAY

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-0.	6.	-0.	-0.	-0.	-0.	-0.	-0.	1.250	-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.

I-LEQ = 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 13 AUG 82 11.04.38

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 HEC2 RELEASE DATED NOV 76 UPDATED MARC 1982  
 ERROR CORR - 01,02,03,04,05  
 MODIFICATION - 56,51,52,53,54,55  
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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	STENCL	STCHL	STCHR	STENCR
1.000	.25	0.	.31	388.80	1.45	1375.55	0.	0.	0.	3160.00	3245.00	0.
1.000	1.25	1.00	1.30	84.77	0.	1377.00	0.	.05	3160.00	3160.00	3245.00	3245.00
1.100	1.39	0.	1.49	2829.71	0.	1323.93	53.07	0.	0.	441.00	501.00	0.
1.100	2.15	.76	2.25	60.00	0.	1377.00	0.	.31	441.00	441.00	501.00	501.00
1.200	1.44	0.	1.56	68.57	0.	1377.00	0.	0.	0.	410.00	534.00	0.
1.200	2.21	.77	2.30	88.90	0.	1377.00	0.	0.	410.00	410.00	534.00	534.00
1.300	1.47	0.	1.59	68.98	0.	1377.00	0.	0.	0.	410.00	534.00	0.
1.300	2.47	1.00	2.56	93.53	0.	1377.00	0.	0.	0.	410.00	534.00	0.
1.400	1.54	0.	1.62	2886.54	.00	1277.94	99.06	0.	0.	441.00	501.00	0.
1.400	2.50	.96	2.58	60.00	0.	1377.00	0.	.35	441.00	441.00	501.00	501.00
2.000	2.86	0.	2.88	2145.77	229.05	910.61	237.35	0.	0.	1254.00	1340.00	0.
2.000	3.77	.91	3.81	463.29	84.53	1158.45	134.02	.38	1077.16	1254.00	1340.00	1540.45
3.000	3.05	0.	3.05	3650.00	210.38	195.04	265.58	0.	0.	1833.00	1866.00	0.
3.000	3.98	.93	3.98	1212.12	189.20	223.46	258.34	.35	1308.43	1833.00	1866.00	2520.56
2.100	3.07	0.	3.07	1372.61	27.85	125.99	33.16	0.	0.	1487.00	1516.00	0.
2.100	4.00	.93	4.01	342.71	19.39	147.45	20.15	.37	1345.06	1487.00	1516.00	1687.78
2.200	3.07	0.	3.08	38.29	0.	187.00	0.	0.	0.	1487.00	1535.00	0.
2.200	4.00	.93	4.01	40.39	0.	187.00	0.	0.	1487.00	1487.00	1535.00	1535.00
2.300	3.07	0.	3.08	38.29	0.	187.00	0.	0.	0.	1487.00	1535.00	0.
2.300	4.00	1.00	4.00	40.54	0.	187.00	0.	0.	0.	1487.00	1535.00	0.
2.400	3.08	0.	3.08	1374.58	27.93	125.85	33.23	0.	0.	1487.00	1516.00	0.
2.400	4.08	1.00	4.08	342.33	19.97	146.27	20.76	.37	1344.91	1487.00	1516.00	1687.25

FLOODWAY DATA, FLOOD  
PROFILE NO. 2

STATION	FLOODWAY WIDTH	FLOODWAY SECTION AREA	MEAN VELOCITY	WATER SURFACE ELEVATION		
				WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
1.000	85.	772.	1.8	1.3	.3	1.0
1.100	60.	558.	2.5	2.2	1.4	.8
1.200	89.	562.	2.5	2.2	1.4	.8
1.300	94.	586.	2.3	2.5	1.5	1.0
1.400	60.	579.	2.4	2.5	1.5	1.0
2.000	463.	1619.	.9	3.8	2.9	.9
3.000	1212.	6074.	.1	3.9	3.0	.9
2.100	343.	1110.	.2	4.0	3.1	.9
2.200	48.	336.	.6	4.0	3.1	.9
2.300	48.	339.	.6	4.1	3.1	1.0
2.400	342.	1135.	.2	4.1	3.1	1.0