
HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977

ERROR CORR - 01

MODIFICATION - 50,51,52

T1 SALISBURY-ROWAN CO. STREAM 195AL TAR BRANCH TRIBUTARY
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6916
 T3 10 YEAR FLOOD-WATER SURFACE PROFILE

J1 ICHECK IGO MINV IDIR STRT METRIC HVINS @ WSEL EQ
 -1. 2. 0. 0. 0.020000 0.0 0.0 0. 744.900 0.0

J2 NPROF IPLOT PRFVS XSECV XSECH FN ALLOC IRW CHNIM IIRACE
 0.0 0.0 -1.000 0.0 0.0 0.0 0.0 0.0 0.0 0.0

J3 VARIABLE CODES FOR SUMMARY PRINTOUT
 38.000 39.000 40.000 41.000 43.000 42.000 1.000 2.000 26.000 53.000

54.000 25.000 50.000 0.0 201.000 0.0 0.0 0.0 0.0 0.0

J5 LPRNT MUMSEC *****REQUESTED SECTION NUMBERS*****

-10.000 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
 NC 0.055 0.055 0.055 0.100 0.300 0.0 0.0 0.0 0.0 0.0
 JT 5.300 136.000 272.000 351.000 553.000 351.000 0.0 0.0 0.0 0.0
 ET 5.000 0.0 0.0 0.0 0.0 0.0 -10.400 0.0 0.0 0.0

X1 1033.000 22.000 1469.000 1485.000 1033.000 1033.000 1033.000 0.0 0.800 0.0
 GR 760.100 1000.000 756.000 1100.000 751.100 1200.000 745.600 1300.000 743.400 1400.000
 GR 743.700 1469.000 739.900 1470.000 739.100 1477.000 739.700 1483.000 740.000 1465.000
 GR 744.400 1500.000 746.300 1600.000 746.900 1700.000 748.400 1800.000 743.100 1900.000
 GR 742.000 2000.000 742.800 2100.000 744.800 2200.000 747.600 2300.000 752.200 2400.000
 GR 759.800 2500.000 762.300 2530.000 0.0 0.0 0.0 0.0 0.0 0.0

X1 1033.000 0.0 0.0 0.0 50.000 50.000 50.000 0.0 0.600 0.0
 NC 0.025 0.025 0.025 0.100 0.300 0.0 0.0 0.0 0.0 0.0

X1 1133.000 24.000 1475.500 1478.500 50.000 50.000 50.000 0.0 0.0 0.0
 GR 761.300 1000.000 757.300 1100.000 751.000 1200.000 746.600 1300.000 745.100 1400.000
 GR 744.000 1469.000 741.500 1475.500 740.400 1476.000 740.800 1477.000 740.400 1478.000
 GR 741.500 1470.500 743.900 1497.000 743.900 1500.000 744.500 1600.000 748.600 1700.000
 GR 749.000 1800.000 746.500 1900.000 745.500 2000.000 745.200 2100.000 745.600 2200.000
 GR 747.400 2300.000 750.800 2400.000 756.300 2500.000 762.200 2576.000 0.0 0.0
 SB 0.900 1.500 2.500 0.0 2.500 0.010 4.900 0.0 0.0 0.0

X1 1166.000 0.0 0.0 0.0 33.000 33.000 33.000 0.0 0.0 0.0
 X2 0.0 0.0 1.000 743.000 743.500 0.0 0.0 0.0 0.0 0.0
 BT 22.000 1000.000 761.300 0.0 1100.000 757.300 0.0 1200.000 751.000 0.0

BT	1300.000	746.800	0.0	1400.000	745.100	0.0	1475.500	743.900	741.500	1476.000
BT	743.900	742.600	1477.000	743.900	743.000	1478.000	743.900	742.600	1478.500	743.900
BT	741.500	1500.000	743.900	0.0	1600.000	744.500	0.0	1700.000	748.600	0.0
BT	1800.000	749.000	0.0	1900.000	746.300	0.0	2000.000	745.500	0.0	2100.000
BT	745.200	0.0	2200.000	745.600	0.0	2300.000	747.400	0.0	2400.000	750.800
BT	0.0	2500.000	756.300	0.0	2576.000	762.200	0.0	0.0	0.0	0.0
NC	0.055	0.055	0.035	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	1216.000	22.000	1469.000	1485.000	50.000	50.000	50.000	0.0	1.300	0.0
GR	760.100	1000.000	756.000	1100.000	751.100	1200.000	745.600	1300.000	743.400	1400.000
GR	743.700	1469.000	739.900	1470.000	739.100	1477.000	739.700	1483.000	740.000	1485.000
GR	744.400	1500.000	746.300	1600.000	746.900	1700.000	748.400	1800.000	743.100	1900.000
GR	742.000	2000.000	742.000	2100.000	744.800	2200.000	747.600	2300.000	752.200	2400.000
GR	759.800	2500.000	762.300	2530.000	0.0	0.0	0.0	0.0	0.0	0.0

X1	1266.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	1.200	0.0
QT	5.000	87.000	179.000	235.000	384.000	235.000	0.0	0.0	0.0	0.0

X1	1330.000	12.000	1500.000	1519.000	64.000	64.000	64.000	0.0	-0.200	0.0
GR	770.900	1000.000	769.300	1100.000	767.800	1200.000	766.900	1300.000	764.200	1400.000
GR	759.900	1500.000	755.400	1512.000	759.000	1519.000	758.800	1600.000	759.600	1700.000
GR	761.800	1800.000	764.800	1900.000	0.0	0.0	0.0	0.0	0.0	0.0

X1	1330.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.200	0.0
NC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	1430.000	17.000	1494.000	1496.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	771.000	1000.000	769.700	1100.000	768.500	1200.000	766.300	1300.000	763.200	1400.000
GR	761.700	1459.000	760.700	1483.000	757.200	1494.000	756.300	1494.500	756.200	1495.000
GR	756.300	1495.500	757.200	1496.000	760.700	1503.000	759.800	1600.000	760.400	1700.000
GR	762.500	1800.000	764.600	1900.000	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	2.000	0.010	3.100	0.0	0.0	0.0

X1	1471.000	0.0	0.0	0.0	41.000	41.000	41.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	758.200	759.800	0.0	0.0	0.0	0.0	0.0
BT	15.000	1000.000	771.000	0.0	1100.000	769.700	0.0	1200.000	768.500	0.0
BT	1300.000	766.300	0.0	1400.000	763.200	0.0	1494.000	760.700	757.200	1494.500
BT	730.700	758.100	1495.000	760.700	758.200	1495.500	760.700	758.100	1496.000	760.700
BT	757.200	1500.000	760.700	0.0	1600.000	759.800	0.0	1700.000	760.400	0.0
BT	1800.000	762.500	0.0	1900.000	764.600	0.0	0.0	0.0	0.0	0.0
NC	0.055	0.055	0.035	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	1521.000	12.000	1500.000	1519.000	50.000	50.000	50.000	0.0	1.000	0.0
GR	770.900	1000.000	769.300	1100.000	767.800	1200.000	766.900	1300.000	764.200	1400.000
GR	759.900	1500.000	755.400	1512.000	759.000	1519.000	758.800	1600.000	759.600	1700.000
GR	761.800	1800.000	764.800	1900.000	0.0	0.0	0.0	0.0	0.0	0.0

X1	1571.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.200	0.0
EU	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

MADE IN U.S.A.

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 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

T1 SALISBURY-ROWAN CO. STREAM 19SAL
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	4.	0.	0.	0.020000	0.0	0.0	0.	747.900	0.0

J2	NPROF	IPLOT	PREVS	XSECV	XSECH	FN	ALLOC	IBW	CHNIN	ITRACE
	15.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

10 YEAR FLOOD WATER SURF

SUMMARY PRINTOUT

SECNO	XLCH	ELTRO	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENOST	AREA	DIFWSP
* A 1033.000	1033.00	0.0	0.0	136.00	739.90	741.67	741.67	6.50	1469.75	1487.95	21.80	0.0
* 1033.000	1033.00	0.0	0.0	351.00	739.90	743.33	743.33	6.42	1469.31	2066.38	87.62	1.66
1083.000	50.00	0.0	0.0	136.00	740.70	742.52	742.47	6.27	1469.73	1488.12	22.69	0.0
* 1083.000	50.00	0.0	0.0	351.00	740.70	744.13	744.13	6.43	1469.31	2066.17	87.38	1.61
* B 1133.000	50.00	0.0	0.0	136.00	740.00	743.20	743.20	7.19	1467.68	1491.61	26.05	0.0
1133.000	50.00	0.0	0.0	351.00	740.00	744.73	0.0	4.24	1421.80	1605.49	143.92	1.53
C 1166.000	33.00	743.90	743.00	136.00	740.00	744.51	0.0	2.17	1434.43	1600.20	106.01	0.0
1166.000	33.00	743.90	743.00	351.00	740.00	744.99	0.0	3.10	1406.42	1611.94	195.36	0.48
1216.000	50.00	0.0	0.0	136.00	740.40	744.54	0.0	1.31	1469.12	2121.99	233.31	0.0
1216.000	50.00	0.0	0.0	351.00	740.40	745.04	0.0	2.15	1384.67	2146.86	382.89	0.50
D 1266.000	50.00	0.0	0.0	136.00	741.60	744.45	0.0	3.43	1469.46	1491.66	43.78	0.0
* 1266.000	50.00	0.0	0.0	351.00	741.60	745.02	745.02	6.46	1469.31	2065.34	86.48	0.57
* E 1330.000	64.00	0.0	0.0	87.00	755.20	757.64	757.64	6.36	1505.51	1516.74	13.68	0.0
* 1330.000	64.00	0.0	0.0	235.00	755.20	759.08	759.08	5.36	1501.66	1659.90	79.67	1.44
1390.000	50.00	0.0	0.0	87.00	755.40	758.52	0.0	3.88	1503.68	1518.07	22.44	0.0
1380.000	50.00	0.0	0.0	235.00	755.40	759.54	0.0	3.78	1500.95	1693.11	126.22	1.02
* 1430.000	50.00	0.0	0.0	87.00	756.20	759.12	759.12	7.64	1487.97	1499.83	14.69	0.0
* 1430.000	50.00	0.0	0.0	235.00	756.20	760.41	760.41	6.01	1483.90	1700.58	65.79	1.29
1471.000	41.00	759.80	758.20	87.00	756.20	760.34	0.0	2.51	1484.12	1690.56	73.62	0.0
1471.000	41.00	759.80	758.20	235.00	756.20	760.69	0.0	3.58	1483.01	1714.09	144.76	0.35
1521.000	50.00	0.0	0.0	87.00	756.40	760.38	0.0	1.73	1531.34	1673.05	97.04	0.0
1521.000	50.00	0.0	0.0	235.00	756.40	760.75	0.0	2.90	1509.40	1706.85	167.56	0.37
F 1571.000	50.00	0.0	0.0	87.00	756.60	760.41	0.0	2.17	1501.83	1651.51	69.34	0.0
1571.000	50.00	0.0	0.0	235.00	756.60	760.82	0.0	3.45	1500.76	1700.77	140.37	0.42

SUMMARY OF ERRORS

FLOOD INSURANCE ZONE DATA FOR 10 YEAR FLOOD WATER SURF

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
		10C	2C	0.2C
1033.000	0.	741.7	743.3	0.0
1083.000	50.	736.0	737.6	****
1133.000	100.	****	****	****
1166.000	133.	2.0	2.5	-0.0
1216.000	183.	744.5	745.0	0.0
1266.000	233.	608.5	609.0	604.0
1330.000	297.	****	****	****
1380.000	347.	14.6	15.6	-0.9
1430.000	397.	756.9	758.2	****
1471.000	438.	****	****	****
1521.000	488.	15.8	16.2	****
1571.000	538.	760.4	760.8	0.0

WEIGHTED AVG FOR REACH **** **** ****

FHF FOR THE REACH = 005 WITH 0.00 OF THE REACH WITHIN 0.5 FEET ZONE FOR THE REACH = A 1

CONTINUOUS FLOOD HAZARD FACTORS BY EVEN INCREMENTS

INC NO.	TOTAL LENGTH	AVG ELEVATION DATA			WTD. AVG.	FHF	PERCENT WITHIN
		10C	1C	DIFF.			
1	0.				SEC.	1033.000	
	100.	742.5	6.5	736.0	736.0	005	100.
	50.				SEC.	1083.000	
	100.				SEC.	1133.000	
	133.				SEC.	1166.000	
2	183.				SEC.	1216.000	
	200.	744.5	23.1	721.4	728.7	005	0.
	233.				SEC.	1266.000	
	297.				SEC.	1330.000	
	300.	757.7	1469.2	-711.5	248.6	005	0.
3	347.				SEC.	1380.000	
	397.				SEC.	1430.000	
	400.	759.2	46.6	712.6	364.6	005	0.
	438.				SEC.	1471.000	
	488.				SEC.	1521.000	
5	500.	760.4	655.2	105.2	312.7	005	0.
	538.				SEC.	1571.000	

THIS REACH CAN BE SUBDIVIDED BY INC NO. TO MEET FIA REQUIREMENTS
 INPUT 20N WHERE N IS THE NUMBER OF REACHES AND THEN INPUT THE END
 OF EACH REACH BY INC NO. FOR EXAMPLE 202 1 5