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

T1 SALISBURY-ROWAN CO. STREAM 13SAL MAIN STREET TRIBUTARY
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 691A
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	TCHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	EQ
	-1.	2.	0.	0.	0.031000	0.0	0.0	0.	729.300	0.0
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	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	NU-SEC	*****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	0.035	0.100	0.300	0.0	0.0	0.0	0.0	0.0
BT	5.000	95.000	163.000	243.000	404.000	243.000	0.0	0.0	0.0	0.0
BT	5.000	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0

X1	118.000	11.000	1065.000	1065.000	118.000	118.000	118.000	0.0	-0.600	0.0
GR	742.800	1000.000	729.700	1029.000	729.700	1055.000	724.900	1057.000	724.900	1060.000
GR	724.900	1063.000	729.200	1065.000	731.400	1100.000	734.700	1200.000	736.600	1300.000
GR	759.400	1400.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	198.000	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	211.000	15.000	1498.500	1501.500	50.000	50.000	50.000	0.0	0.0	0.0
GR	742.800	1000.000	738.700	1100.000	735.800	1200.000	731.500	1300.000	729.400	1337.000
GR	729.200	1400.000	729.000	1496.000	727.000	1498.500	725.300	1498.500	725.300	1501.500
GR	727.000	1501.500	729.500	1504.000	733.200	1600.000	736.700	1700.000	739.500	1800.000
SB	0.900	1.500	2.500	0.0	3.000	0.010	9.000	0.0	0.0	0.0

X1	261.000	0.0	0.0	0.0	43.000	43.000	43.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	728.300	729.000	0.0	0.0	0.0	0.0	0.0
BT	12.000	1000.000	742.800	0.0	1100.000	738.700	0.0	1200.000	735.800	0.0
BT	1300.000	731.500	0.0	1337.000	729.400	0.0	1400.000	729.200	0.0	1498.500
BT	729.000	728.300	1501.500	729.000	728.300	1501.600	729.000	728.300	1600.000	733.200
BT	0.0	1700.000	736.700	0.0	1800.000	739.500	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	311.000	11.000	1055.000	1025.000	50.000	50.000	50.000	0.0	0.600	0.0
GR	742.800	1000.000	729.700	1029.000	729.700	1055.000	724.900	1057.000	724.900	1050.000
GR	724.900	1063.000	729.200	1065.000	731.400	1100.000	734.700	1200.000	738.600	1300.000
GR	739.400	1400.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	361.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.200	0.0
GT	5.000	69.000	151.000	202.000	340.000	202.000	0.0	0.0	0.0	0.0

X1	1000.000	12.000	1178.000	1186.000	639.000	639.000	639.000	0.0	0.0	0.0
GR	748.900	1000.000	740.300	1007.400	733.800	1100.000	733.100	1175.000	731.800	1178.000
GR	729.700	1179.000	729.700	1182.000	729.700	1125.000	731.700	1196.000	739.300	1200.000
GR	741.500	1212.000	744.600	1300.000	0.0	0.0	0.0	0.0	0.0	0.0
ED	0.0	0.0	0.0	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

	SECCO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIEWSP
* A	118.000	118.00	0.0	0.0	85.00	724.30	726.06	726.06	7.13	1056.27	1063.82	11.92	0.0
*	118.000	118.00	0.0	0.0	243.00	724.30	727.69	727.69	9.56	1055.59	1064.50	25.43	1.63
	158.000	50.00	0.0	0.0	85.00	724.50	727.10	0.0	4.57	1055.92	1064.21	18.59	0.0
	168.000	50.00	0.0	0.0	243.00	724.50	729.12	0.0	6.52	1055.07	1070.19	38.01	2.02
* B	218.000	50.00	0.0	0.0	85.00	725.30	729.38	728.38	8.24	1496.78	1502.88	11.37	0.0
	218.000	50.00	0.0	0.0	243.00	725.30	729.89	0.0	3.21	1328.36	1514.13	139.80	1.51
* C	261.000	43.00	729.00	728.30	85.00	725.50	728.47	0.0	7.87	1496.65	1502.98	11.99	0.0
	261.000	43.00	729.00	728.30	243.00	725.50	729.94	0.0	2.97	1327.54	1515.32	148.41	1.46
	311.000	50.00	0.0	0.0	85.00	725.50	729.47	0.0	2.76	1055.34	1064.85	30.79	0.0
	311.000	50.00	0.0	0.0	243.00	725.50	729.36	0.0	8.16	1055.39	1064.80	29.78	-0.11
* D	361.000	50.00	0.0	0.0	85.00	725.70	729.55	0.0	2.87	1055.40	1064.79	29.60	0.0
	361.000	50.00	0.0	0.0	243.00	725.70	730.26	0.0	6.64	1055.10	1069.20	57.10	0.72
* E	1000.000	639.00	0.0	0.0	69.00	729.70	731.48	731.23	5.60	1179.15	1185.90	12.32	0.0
	1000.000	639.00	0.0	0.0	202.00	729.70	733.90	0.0	5.02	1098.72	1190.03	73.22	2.41

SUMMARY OF ERRORS

CAUTION SECCO= 118.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
 CAUTION SECCO= 118.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
 CAUTION SECCO= 218.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
 CAUTION SECCO= 218.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECCO= 218.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WELL

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		
		10L	20	0.20
118.000	0.	726.1	727.7	0.0
168.000	50.	720.0	722.0	****
218.000	100.	560.4	561.9	****
261.000	143.	1.4	2.8	****
311.000	193.	729.5	729.4	0.0
361.000	243.	644.5	645.3	640.3
1000.000	582.	****	****	****

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
		10L	10	DIFF.			
	0.				SEC.	118.000	
1	100.	727.1	7.1	720.0	720.0	005	100.
	50.				SEC.	168.000	
	100.				SEC.	218.000	
	143.				SEC.	261.000	
	193.				SEC.	311.000	
2	260.	729.1	5.4	723.5	721.7	005	0.
	243.				SEC.	361.000	
3	300.	729.6	111.7	117.9	687.1	005	0.
4	400.	729.9	322.4	407.4	617.2	005	0.
5	500.	730.2	544.4	185.3	530.9	005	0.
6	600.	730.5	766.2	-35.7	436.5	005	0.
7	700.	730.8	988.1	-257.3	337.4	005	0.
8	800.	731.1	1210.0	-473.2	235.3	005	0.
	852.				SEC.	1000.000	

THIS REACH CAN BE SUBDIVIDED BY INC NO. TO MEET FIA REQUIREMENTS
 INPUT 200 WHERE N IS THE NUMBER OF REACHES AND THEN INPUT THE END
 OF EACH REACH BY INC NO. FOR EXAMPLE 202 1 8
 A NEGATIVE INC NO. WILL SUPPRESS INTERMEDIATE INC OUTPUT.