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

EJ

CEMETARY

CREEK

MADE IN U. S. A.

HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977

ERROR CORR - 01

MODIFICATION - 50,51,52

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T1 FAITH-ROWAN COUNTY BASIN 6 STREAM 7-1F UNNAMED STREAM
T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	2.	0.	0.	0.016000	0.0	0.0	0.	773.100	0.0

J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IbW	CHN1M	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
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54.000	25.000	50.000	0.0	201.000	0.0	0.0	0.0	0.0	0.0
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J5 LPRNT NUMSEC *****REQUESTED SECTION NUMBERS*****

-10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-10.	4.	0.	0.	0.016000	0.0	0.0	0.	776.100	0.0

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

MADE IN U.S.A.

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 ERROR CORR - 01
 MODIFICATION - 50,51,52

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

10 YEAR FLOOD WATER SURF

SUMMARY PRINTOUT

	SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
* A	800.000	800.00	0.0	0.0	198.00	768.10	771.37	771.08	8.06	1098.86	1147.86	25.20	0.0
	800.000	800.00	0.0	0.0	488.00	768.10	772.83	772.83	8.28	1088.82	1154.47	97.05	1.47
* B	2275.000	1475.00	0.0	0.0	159.00	803.90	807.94	807.94	6.62	1084.79	1123.83	37.50	0.0
	2275.000	1475.00	0.0	0.0	406.00	803.90	808.70	808.70	8.86	1080.82	1128.85	70.63	0.76
*	2475.000	200.00	0.0	0.0	159.00	821.90	825.40	825.40	5.23	1346.51	1422.62	41.73	0.0
*	2475.000	200.00	0.0	0.0	406.00	821.90	825.78	825.78	6.46	1335.34	1435.01	75.49	0.38
	2500.000	25.00	824.70	823.90	159.00	821.90	825.68	0.0	2.99	1338.24	1431.79	65.86	0.0
	2500.000	25.00	824.70	823.90	406.00	821.90	826.30	0.0	3.20	1320.29	1451.70	135.29	0.62
* C	2575.000	75.00	0.0	0.0	159.00	824.00	826.61	826.61	8.28	1350.20	1396.41	39.80	0.0
	2575.000	75.00	0.0	0.0	406.00	824.00	827.33	827.33	9.78	1344.00	1417.19	82.30	0.72
	2650.000	75.00	0.0	0.0	154.00	826.10	827.16	0.0	1.00	1119.57	1373.08	132.46	0.0
	2650.000	75.00	0.0	0.0	393.00	826.10	827.91	0.0	1.05	1108.41	1396.94	324.43	0.75
	2678.000	28.00	828.70	827.40	154.00	826.10	827.16	0.0	1.01	1119.65	1372.92	131.31	0.0
	2678.000	28.00	828.70	827.40	393.00	826.10	829.82	0.0	0.36	1080.06	1446.96	954.42	2.66
* D	2698.000	20.00	0.0	0.0	154.00	827.50	828.63	828.63	0.0	1000.00	1062.88	35.58	0.0
	2698.000	20.00	0.0	0.0	393.00	827.50	829.80	0.0	1.43	1000.00	1546.00	259.89	1.17
* E	3548.000	850.00	0.0	0.0	141.00	837.30	839.70	0.0	4.26	1397.39	1490.41	51.19	0.0
	3548.000	850.00	0.0	0.0	358.00	837.30	840.15	840.15	6.37	1385.02	1513.62	102.89	0.46
	3598.000	50.00	0.0	0.0	141.00	837.40	840.03	0.0	5.31	1315.18	1428.86	67.23	0.0
	3598.000	50.00	0.0	0.0	358.00	837.40	840.66	0.0	3.25	1298.11	1453.15	152.08	0.63
	3633.000	35.00	841.60	838.90	141.00	837.40	842.34	0.0	0.34	1252.47	1518.08	507.24	0.0
	3633.000	35.00	841.60	838.90	358.00	837.40	842.80	0.0	0.67	1240.15	1529.34	634.23	0.45
* F	3708.000	75.00	0.0	0.0	141.00	841.30	843.92	843.92	6.58	1308.31	1348.21	34.69	0.0
	3708.000	75.00	0.0	0.0	358.00	841.30	844.91	844.91	7.33	1236.47	1372.53	102.11	0.99
	3783.000	75.00	0.0	0.0	141.00	841.30	844.58	0.0	2.58	1503.21	1722.59	87.78	0.0
	3783.000	75.00	0.0	0.0	358.00	841.30	845.44	0.0	1.78	1414.26	1763.63	330.81	0.86

MADE IN U.S.A.

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CKIWS	VCH	SSTA	ENDST	AREA	DIFWSP
3841.000	58.00	844.10	842.80	141.00	841.30	844.99	0.0	1.32	1450.57	1742.64	187.52	0.0
3841.000	58.00	844.10	842.80	358.00	841.30	845.59	0.0	1.46	1406.78	1771.47	389.57	0.61
*G 3891.000	50.00	0.0	0.0	141.00	842.00	844.75	0.0	5.89	1306.10	1349.48	39.98	0.0
3891.000	50.00	0.0	0.0	358.00	842.00	845.60	845.60	7.36	1237.11	1371.80	101.41	0.86
H 4800.000	909.00	0.0	0.0	89.00	852.90	854.74	854.62	5.27	1071.63	1102.91	24.85	0.0
4800.000	909.00	0.0	0.0	240.00	852.90	855.42	855.25	7.25	1067.38	1109.12	49.12	0.68
* 4850.000	50.00	0.0	0.0	89.00	855.60	857.36	857.36	5.13	1264.27	1285.93	17.26	0.0
* 4850.000	50.00	0.0	0.0	240.00	855.60	858.17	858.17	5.73	1260.68	1290.91	38.00	0.81
4899.000	49.00	860.10	857.10	89.00	855.60	860.85	0.0	0.59	1000.00	1220.07	134.53	0.0
4899.000	49.00	860.10	857.10	240.00	855.60	861.29	0.0	1.26	1000.00	1222.26	181.56	0.44
I 4946.000	50.00	0.0	0.0	89.00	858.30	860.82	0.0	2.67	1067.32	1109.21	49.50	0.0
4946.000	50.00	0.0	0.0	240.00	858.30	861.16	0.0	5.60	1065.11	1112.69	65.05	0.34
*J 5400.000	454.00	0.0	0.0	84.00	863.70	866.73	866.73	6.28	1106.07	1143.73	24.78	0.0
* 5400.000	454.00	0.0	0.0	223.00	863.70	867.40	867.40	7.61	1095.58	1151.46	56.72	0.67

SUMMARY OF ERRORS

CAUTION SECNO= 800.000 PROFILE= 2 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 2275.000 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 2275.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 2275.000 PROFILE= 2 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 2275.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 2275.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 2475.000 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 2475.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 2475.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 2475.000 PROFILE= 2 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 2475.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 2475.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 2575.000 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 2575.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 2575.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 2575.000 PROFILE= 2 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 2575.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 2575.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 2698.000 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 2698.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 2698.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 3548.000 PROFILE= 2 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 3548.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 3548.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 3708.000 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 3708.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 3708.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 3708.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3708.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3708.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 3891.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3891.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3891.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 4850.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 4850.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 4850.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 4850.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 4850.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 4850.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 5400.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 5400.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 5400.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 5400.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 5400.000 PROFILE= 2 MINIMUM SPECIFIC ENERGY

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	2C	0.2C
800.000	0.	771.4	772.8	0.0
2275.000	1475.	799.9	800.6	*****
2475.000	1675.	*****	*****	*****
2500.000	1700.	17.7	18.4	0.0
2575.000	1775.	826.6	827.3	*****
2650.000	1850.	668.2	668.9	662.9
2678.000	1878.	*****	*****	*****
2698.000	1898.	3.9	5.1	-0.8
3548.000	2748.	836.7	837.2	*****
3598.000	2798.	*****	*****	*****
3633.000	2833.	15.7	16.2	0.0
3708.000	2908.	843.9	844.9	11.0
3783.000	2983.	690.6	691.4	672.1
3841.000	3041.	*****	*****	*****
3891.000	3091.	16.0	16.9	-1.3
4800.000	4000.	853.7	854.4	*****
4850.000	4050.	*****	*****	*****
4899.000	4099.	32.2	32.7	0.0
4946.000	4149.	860.8	861.2	11.0
5400.000	4603.	725.7	726.4	696.3

WEIGHTED AVG FOR REACH *****

FHF FOR THE REACH = 005 WITH 0.0C 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.			
	0.						
1	100.	772.6	0.3	772.3	772.3	005	100.
2	200.	775.1	0.8	774.3	773.3	005	0.
3	300.	777.6	1.4	776.2	774.3	005	33.
4	400.	780.0	1.9	778.1	775.2	005	0.
5	500.	782.5	2.5	780.1	776.2	005	20.
6	600.	785.0	3.0	782.0	777.2	005	0.
7	700.	787.5	3.6	783.9	778.1	005	14.
8	800.	790.0	4.1	785.9	779.1	005	0.
9	900.	792.4	4.6	787.8	780.1	005	11.
10	1000.	794.9	5.2	789.7	781.0	005	0.
11	1100.	797.4	5.7	791.7	782.0	005	9.
12	1200.	799.9	6.3	793.6	783.0	005	0.

13	1300.	802.4	6.8	795.5	783.9	005	8.
14	1400.	804.8	7.4	797.5	784.9	005	0.
	1475.				SEC.	2275.000	
15	1500.	808.1	149.5	658.6	776.5	005	7.
16	1600.	814.5	858.2	-43.7	725.2	005	0.
	1675.				SEC.	2475.000	
17	1700.	822.3	1116.4	-294.2	665.3	005	0.
	1700.				SEC.	2500.000	
	1775.				SEC.	2575.000	
18	1800.	826.7	26.5	800.2	672.7	005	0.
	1850.				SEC.	2650.000	
	1878.				SEC.	2678.000	
	1898.				SEC.	2698.000	
19	1900.	828.6	823.7	4.9	637.6	005	0.
20	2000.	829.3	774.4	54.9	608.5	005	0.
21	2100.	830.6	677.8	152.9	586.8	005	0.
22	2200.	831.9	581.1	250.8	571.5	005	0.
23	2300.	833.2	484.4	348.8	561.8	005	0.
24	2400.	834.5	387.7	446.8	557.0	005	0.
25	2500.	835.8	291.1	544.7	556.5	005	0.
26	2600.	837.1	194.4	642.7	559.8	005	0.
27	2700.	838.4	97.7	740.7	566.5	005	0.
	2743.				SEC.	3548.000	
	2798.				SEC.	3598.000	
28	2800.	840.1	2525.0	*****	486.1	005	0.
	2833.				SEC.	3633.000	
29	2900.	842.0	1281.6	-439.7	454.2	005	0.
	2908.				SEC.	3708.000	
	2983.				SEC.	3783.000	
30	3000.	844.6	532.7	512.0	456.1	005	0.
	3041.				SEC.	3841.000	
	3091.				SEC.	3891.000	
31	3100.	844.8	824.6	20.2	442.1	005	0.
32	3200.	845.4	775.0	70.4	430.5	005	0.
33	3300.	846.5	683.9	162.6	422.3	005	0.
34	3400.	847.6	592.9	254.7	417.4	005	0.
35	3500.	848.7	501.8	346.9	415.4	005	0.
36	3600.	849.8	410.8	439.0	416.1	005	0.
37	3700.	850.9	319.7	531.2	419.2	005	0.
38	3800.	852.0	228.6	623.3	424.5	005	0.
39	3900.	853.1	137.6	715.5	432.0	005	0.
	4000.				SEC.	4800.000	
40	4000.	854.2	46.5	807.7	441.4	005	0.
	4050.				SEC.	4850.000	
	4099.				SEC.	4899.000	
41	4100.	860.8	820.3	40.5	431.6	005	0.
	4149.				SEC.	4946.000	
42	4200.	861.2	413.9	447.2	432.0	005	0.
43	4300.	862.1	31.4	830.8	441.3	005	0.
44	4400.	863.4	62.4	801.0	449.4	005	0.
45	4500.	864.7	93.5	771.3	456.6	005	0.
46	4600.	866.0	124.5	741.5	462.8	005	0.
	4603.				SEC.	5400.000	

THIS REACH CAN BE SUBDIVIDED BY INC NO. TO MEET FIA REQUIREMENTS
INPUT 204 WHERE N IS THE NUMBER OF REACHES AND THEN INPUT THE END
OF EACH REACH BY INC NO. FOR EXAMPLE 202 1 46
A NEGATIVE INC NO. WILL SUPPRESS INTERMEDIATE INC OUTPUT.