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

EJ

DARK
CREEK

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

C
 T1 FAITH-RWAN COUNTY BASIN G STREAM 2F UNNAMED STREAM
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-101.	2.	0.	0.	0.063000	0.0	0.0	0.	830.000	0.0
J2	NPROF	IPLOT	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	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	FD
	-10.	4.	0.	0.	0.063000	0.0	0.0	0.	833.000	0.0
J2	NPROF	IPLT	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

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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	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
* A 856.000	856.00	0.0	0.0	181.00	818.90	820.62	820.62	5.34	1139.40	1178.89	33.90	0.0
* 856.000	856.00	0.0	0.0	448.00	818.90	821.34	821.34	6.75	1130.78	1186.35	68.11	0.72
* 906.000	50.00	0.0	0.0	181.00	819.10	821.80	821.80	6.68	1216.35	1263.11	41.06	0.0
* 906.000	50.00	0.0	0.0	448.00	819.10	822.52	822.52	8.46	1204.98	1274.18	82.70	0.72
974.000	68.00	826.40	822.70	181.00	819.10	821.81	0.0	6.66	1216.31	1263.14	41.17	0.0
974.000	68.00	826.40	822.70	448.00	819.10	827.22	0.0	0.49	1141.50	1600.00	1224.32	5.41
* B 1024.000	50.00	0.0	0.0	181.00	825.00	826.72	826.72	5.33	1139.38	1178.90	33.96	0.0
* 1024.000	50.00	0.0	0.0	448.00	825.00	827.44	827.44	6.74	1130.76	1186.37	68.19	0.72
* C 1701.000	677.00	0.0	0.0	130.00	839.50	842.21	842.21	6.73	1200.47	1214.73	19.31	0.0
* 1701.000	677.00	0.0	0.0	335.00	839.50	843.51	843.51	7.13	1186.28	1259.76	73.54	1.30
* 1731.000	30.00	0.0	0.0	130.00	841.00	844.35	844.35	6.33	1196.55	1237.22	29.53	0.0
* 1731.000	30.00	0.0	0.0	335.00	841.00	845.01	845.01	7.79	1188.47	1261.72	67.30	0.66
1771.000	40.00	846.90	844.00	130.00	841.00	847.52	0.0	0.45	1157.81	1324.01	385.16	0.0
1771.000	40.00	846.90	844.00	335.00	841.00	848.15	0.0	0.87	1150.11	1333.77	495.77	0.63
D 1801.000	30.00	0.0	0.0	130.00	842.50	847.51	0.0	1.49	1173.96	1296.66	171.49	0.0
1801.000	30.00	0.0	0.0	335.00	842.50	848.11	0.0	2.69	1166.49	1307.79	251.79	0.60
* E 2301.000	500.00	0.0	0.0	129.00	852.20	855.54	855.54	5.51	1200.14	1307.06	57.48	0.0
* 2301.000	500.00	0.0	0.0	331.00	852.20	855.88	855.88	7.76	1197.59	1312.41	94.58	0.34

SUMMARY OF ERRORS

CAUTION SECNO= 856.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 856.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 906.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 906.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 906.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
 CAUTION SECNO= 906.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 906.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 906.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 1024.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 1024.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 1024.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 1024.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 1024.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 1024.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 1701.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 1701.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 1701.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 1701.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 1701.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 1731.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 1731.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 1731.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 1731.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 1731.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 1731.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 2301.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 2301.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 2301.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 2301.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 2301.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 2301.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

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		
		10'	2'	0.2'
856.000	0.	820.6	821.3	0.0
906.000	50.	816.5	817.2	*****
974.000	118.	-84.2	-78.8	*****
1024.000	168.	4.9	5.6	0.0
1701.000	845.	842.2	843.5	11.0
1731.000	875.	663.3	664.0	638.1
1771.000	915.	*****	*****	*****
1801.000	945.	847.5	848.1	0.0
2301.000	1445.	850.2	850.6	*****

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
		10'	1'	DIFF.			
1	0.				SEC. 856.000	005	100.
	100.	821.8	5.3	816.5	816.5		
	50.				SEC. 906.000		
	118.				SEC. 974.000		
2	168.				SEC. 1024.000	005	0.
	200.	827.1	802.4	24.7	420.6		
	300.	828.6	722.3	106.3	315.8		
	400.	830.9	600.9	230.0	294.4		
5	500.	833.2	479.5	353.7	306.2	005	0.
	600.	835.5	358.1	477.4	334.8	005	0.
7	700.	837.7	236.7	601.0	372.8	005	0.
	800.	840.0	115.3	724.7	416.8	005	0.
9	845.				SEC. 1701.000	005	0.
	875.				SEC. 1731.000		
	900.	845.3	519.2	326.2	406.7		
	915.				SEC. 1771.000		
10	945.				SEC. 1801.000	005	0.
	1000.	848.0	0.3	847.7	450.8		
11	1100.	849.2	1.1	848.1	436.9	005	0.
12	1200.	850.8	2.2	848.6	517.1	005	0.
13	1300.	852.4	3.3	849.2	542.6	005	0.
14	1400.	854.0	4.3	849.7	564.5	005	0.
	1445.				SEC. 2301.000		

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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 14
A NEGATIVE INC NO. WILL SUPPRESS INTERMEDIATE INC OUTPUT.

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