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

EJ

MILL CREEK

MADE IN U. S. A.

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C
 T1 LANDIS-ROWAN CO. BASIN A-E STREAM 5L MILL CREEK
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	2.	0.	0.	0.011000	0.0	0.0	0.	813.800	0.0
J2	NPROF	IPLUT	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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UJ1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	4.	0.	0.	0.011000	0.0	0.0	0.	815.500	0.0
UJ2	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	CRINS	VCH	SSTA	ENDST	AREA	DIFWSP
* A	200.000	200.00	0.0	0.0	137.00	808.80	811.28	811.25	5.69	1170.21	1242.05	29.22	0.0
	200.000	200.00	0.0	0.0	347.00	808.80	812.11	812.11	6.61	1160.02	1245.55	86.08	0.83
B	945.000	745.00	0.0	0.0	137.00	813.70	816.22	0.0	3.72	1132.05	1153.61	36.86	0.0
	945.000	745.00	0.0	0.0	347.00	813.70	817.30	0.0	5.63	1131.13	1154.95	61.60	1.08
	995.000	50.00	0.0	0.0	137.00	814.00	816.42	0.0	3.94	1132.14	1153.49	34.74	0.0
	995.000	50.00	0.0	0.0	347.00	814.00	817.57	0.0	5.70	1131.15	1154.92	60.86	1.15
*	1045.000	50.00	0.0	0.0	137.00	816.40	819.86	819.86	8.64	1391.37	1399.36	16.20	0.0
*	1045.000	50.00	0.0	0.0	347.00	816.40	821.91	821.91	9.87	1388.55	1405.48	41.79	2.05
*	1205.000	160.00	834.90	826.10	137.00	820.20	822.20	822.20	6.73	1384.48	1404.98	24.32	0.0
	1205.000	160.00	834.90	826.10	347.00	820.20	821.92	0.0	22.78	1384.72	1404.64	18.71	-0.28
*	1255.000	50.00	0.0	0.0	137.00	822.60	824.42	824.42	6.08	1132.64	1152.76	22.52	0.0
	1255.000	50.00	0.0	0.0	347.00	822.60	828.76	0.0	2.68	1128.95	1158.10	129.25	4.34
* C	1305.000	50.00	0.0	0.0	137.00	825.00	826.82	826.82	6.07	1132.64	1152.77	22.57	0.0
	1305.000	50.00	0.0	0.0	347.00	825.00	828.56	0.0	5.72	1131.16	1154.90	60.62	1.73

SUMMARY OF ERRORS

CAUTION SECNO= 200.000 PROFILE= 2 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 1045.000 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 1045.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 1045.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 1045.000 PROFILE= 2 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 1045.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 1045.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 1205.000 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 1205.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 1255.000 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 1255.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 1255.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 1305.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 1305.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 1305.000 PROFILE= 1 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		
		10C	2C	0.2C
200.000	0.	811.3	812.1	0.0
945.000	745.	810.5	811.6	*****
995.000	795.	*****	*****	*****
1045.000	845.	3.6	5.7	*****
1205.000	1005.	822.2	821.9	0.0
1255.000	1055.	687.4	691.8	677.0
1305.000	1105.	*****	*****	*****

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.			
	0.						
1	100.	811.6	0.4	811.2	811.2	005	100.
2	200.	812.3	1.1	811.1	811.2	005	100.
3	300.	812.9	1.9	811.0	811.1	005	100.
4	400.	813.6	2.7	810.9	811.1	005	100.
5	500.	814.3	3.4	810.8	811.0	005	100.
6	600.	814.9	4.2	810.7	811.0	005	100.
7	700.	815.6	5.0	810.6	810.9	005	100.
	745.						
	795.						
8	800.	816.6	938.6	-122.0	694.3	005	0.
	845.						
9	900.	818.7	733.9	84.8	626.6	005	0.
10	1000.	821.4	280.6	540.8	618.0	005	0.
	1005.						
	1055.						
11	1100.	825.5	594.4	231.1	582.8	005	0.
	1105.						

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 7 11
 A NEGATIVE INC NO. WILL SUPPRESS INTERMEDIATE INC OUTPUT.