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HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977

ERROR CORR - 01

MODIFICATION - 50,51,52

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T1 ROCKWELL-ROWAN COUNTY BASIN H. STREAM 2R UNNAMED STREAM  
T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918  
T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	ING	NINV	IQIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-10.	4.	0.	0.	0.008000	0.0	0.0	0.	713.200	0.0

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLOC	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 6400.000	6400.00	0.0	0.0	404.00	705.20	710.57	0.0	4.37	1391.69	1550.53	144.97	0.0
6400.000	6400.00	0.0	0.0	897.00	705.20	711.47	0.0	5.20	1364.67	1581.11	315.89	0.69
<i>Rockwell Corp. Limited STA 72+50</i>												
A 9575.000	3175.00	0.0	0.0	335.00	733.10	738.22	0.0	4.72	1194.04	1224.78	71.62	0.0
9575.000	3175.00	0.0	0.0	748.00	733.10	739.62	0.0	6.27	1155.03	1254.98	162.26	1.40
* 9600.000	25.00	0.0	0.0	335.00	733.60	738.06	0.0	8.28	1320.80	1342.91	53.25	0.0
9600.000	25.00	0.0	0.0	748.00	733.60	739.61	739.61	9.86	1289.11	1363.47	115.87	1.56
9650.000	50.00	741.90	737.10	335.00	733.60	742.63	0.0	1.08	1215.16	1426.42	566.55	0.0
9650.000	50.00	741.90	737.10	748.00	733.60	743.45	0.0	1.72	1207.64	1436.40	748.50	0.82
B 9675.000	25.00	0.0	0.0	335.00	734.10	742.62	0.0	1.32	1099.81	1300.23	463.04	0.0
9675.000	25.00	0.0	0.0	748.00	734.10	743.44	0.0	2.15	1091.63	1310.59	634.64	0.82
* C 10190.000	515.00	0.0	0.0	301.00	738.70	742.40	742.40	8.42	1172.31	1196.15	37.97	0.0
10190.000	515.00	0.0	0.0	675.00	738.70	744.09	744.09	8.73	1136.42	1198.56	110.47	1.69
* 10240.000	50.00	0.0	0.0	301.00	739.30	744.07	744.07	7.82	1392.60	1439.38	56.16	0.0
10240.000	50.00	0.0	0.0	675.00	739.30	744.95	744.95	9.55	1373.76	1440.89	106.13	0.89
10302.000	62.00	749.40	744.80	301.00	739.30	744.07	0.0	7.80	1392.53	1438.39	56.32	0.0
10302.000	62.00	749.40	744.80	675.00	739.30	750.61	0.0	0.72	1310.62	1578.61	1161.88	6.54
D 10352.000	50.00	0.0	0.0	301.00	739.90	744.74	0.0	5.04	1148.24	1197.76	79.46	0.0
10352.000	50.00	0.0	0.0	675.00	739.90	750.61	0.0	1.16	1072.21	1328.20	1025.07	5.88
10781.000	429.00	0.0	0.0	282.00	743.00	748.19	0.0	3.99	1140.54	1198.28	98.85	0.0
10781.000	429.00	0.0	0.0	637.00	743.00	750.72	0.0	3.09	1095.25	1265.86	356.26	2.53
11211.000	430.00	0.0	0.0	282.00	746.20	750.62	0.0	3.68	1252.30	1359.16	157.19	0.0
11211.000	430.00	0.0	0.0	637.00	746.20	751.89	0.0	4.14	1230.09	1382.45	320.61	1.27
E 11640.000	429.00	0.0	0.0	282.00	749.30	753.36	0.0	4.70	1258.54	1351.34	121.86	0.0
11640.000	429.00	0.0	0.0	637.00	749.30	754.37	0.0	5.68	1241.05	1370.47	232.62	1.00

SUMMARY OF ERRORS

CAUTION SECNO= 9600.000 PROFILE= 2 CRITICAL DEPTH ASSUMED  
CAUTION SECNO= 9600.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY  
CAUTION SECNO= 9600.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=10190.000 PROFILE= 1 CRITICAL DEPTH ASSUMED  
CAUTION SECNO=10190.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY  
CAUTION SECNO=10190.000 PROFILE= 2 CRITICAL DEPTH ASSUMED  
CAUTION SECNO=10190.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY  
CAUTION SECNO=10190.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=10240.000 PROFILE= 1 CRITICAL DEPTH ASSUMED  
CAUTION SECNO=10240.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY  
CAUTION SECNO=10240.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL  
CAUTION SECNO=10240.000 PROFILE= 2 CRITICAL DEPTH ASSUMED  
CAUTION SECNO=10240.000 PROFILE= 2 MINIMUM SPECIFIC ENERGY

MADE IN U.S.A.

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
6400.000	0.	710.6	711.5	0.0
9575.000	3175.	733.9	735.3	*****
9600.000	3200.	*****	*****	*****
9650.000	3250.	4.4	5.2	*****
9675.000	3275.	742.6	743.4	0.0
10190.000	3790.	407.4	409.1	398.6
10240.000	3840.	*****	*****	*****
10302.000	3902.	2.2	8.7	-4.8
10352.000	3952.	743.7	749.5	*****
10781.000	4381.	*****	*****	*****
11211.000	4811.	8.0	9.3	*****
11640.000	5240.	753.4	754.4	0.0
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WEIGHTED AVG FOR REACH		****	****	****

FHF FOR THE REACH = 200 WITH 0.0C OF THE REACH WITHIN 3.0 FEET  
 ZONE FOR THE REACH = A30

CONTINUOUS FLOOD HAZARD FACTORS BY EVEN INCREMENTS

INC NO.	TOTAL LENGTH	AVG ELEVATION DATA			WTD. AVG.	FHF	PERCENT WITHIN
		10C	1C	DIFF.			
	0.						
					SEC.	6400.000	
1	100.	711.0	0.1	710.9	710.9	005	100.
2	200.	711.9	0.2	711.7	711.3	005	100.
3	300.	712.8	0.3	712.4	711.7	005	33.
4	400.	713.6	0.5	713.1	712.0	005	50.
5	500.	714.5	0.6	713.9	712.4	005	20.
6	600.	715.4	0.8	714.6	712.8	005	33.
7	700.	716.2	0.9	715.3	713.1	005	14.
8	800.	717.1	1.0	716.1	713.5	005	25.
9	900.	718.0	1.2	716.8	713.9	005	11.
10	1000.	718.8	1.3	717.5	714.2	005	20.
11	1100.	719.7	1.4	718.3	714.6	005	9.
12	1200.	720.6	1.6	719.0	715.0	005	17.
13	1300.	721.5	1.7	719.7	715.3	005	8.
14	1400.	722.3	1.9	720.5	715.7	005	14.
15	1500.	723.2	2.0	721.2	716.1	005	7.
16	1600.	724.1	2.1	721.9	716.4	005	13.
17	1700.	724.9	2.3	722.7	716.8	005	6.
18	1800.	725.8	2.4	723.4	717.2	005	11.
19	1900.	726.7	2.5	724.1	717.5	005	5.
20	2000.	727.6	2.7	724.9	717.9	005	10.

21	2100.	728.4	2.8	725.6	718.3	005	5.
22	2200.	729.3	3.0	726.3	718.6	005	9.
23	2300.	730.2	3.1	727.1	719.0	005	4.
24	2400.	731.0	3.2	727.8	719.4	005	8.
25	2500.	731.9	3.4	728.5	719.7	005	4.
26	2600.	732.8	3.5	729.3	720.1	005	8.
27	2700.	733.7	3.6	730.0	720.5	005	4.
28	2800.	734.5	3.8	730.7	720.8	005	7.
29	2900.	735.4	3.9	731.5	721.2	005	3.
30	3000.	736.3	4.1	732.2	721.6	005	7.
31	3100.	737.1	4.2	732.9	721.9	005	3.
	3175.					SEC.	9575.000
32	3200.	737.8	4789.6	*****	572.8	005	0.
	3200.					SEC.	9600.000
	3250.					SEC.	9650.000
	3275.					SEC.	9675.000
33	3300.	742.6	8.1	734.5	577.7	005	0.
34	3400.	742.6	48.8	693.8	581.1	005	0.
35	3500.	742.5	113.8	628.7	582.4	005	0.
36	3600.	742.5	178.9	563.6	581.9	005	0.
37	3700.	742.5	243.9	498.5	579.7	005	0.
	3790.					SEC.	10190.000
38	3800.	742.6	406.5	336.1	573.2	005	0.
	3840.					SEC.	10240.000
39	3900.	743.4	648.9	94.5	561.0	005	0.
	3902.					SEC.	10302.000
	3952.					SEC.	10352.000
40	4000.	744.9	542.3	202.7	552.0	005	0.
41	4100.	745.5	2211.0	*****	502.8	005	0.
42	4200.	746.3	4466.0	*****	402.3	005	0.
43	4300.	747.1	6720.9	*****	254.0	005	0.
	4381.					SEC.	10781.000
44	4400.	747.9	8564.4	*****	70.6	005	0.
45	4500.	748.6	8241.7	*****	-97.5	200	0.
46	4600.	749.1	6164.4	*****	*****	200	0.
47	4700.	749.7	4087.1	*****	*****	200	0.
48	4800.	750.3	2009.8	*****	*****	200	0.
	4811.					SEC.	11211.000
49	4900.	750.9	779.8	-29.0	*****	200	0.
50	5000.	751.5	502.0	249.5	*****	200	0.
51	5100.	752.1	328.9	423.2	*****	200	0.
52	5200.	752.8	155.8	597.0	*****	200	0.
	5240.					SEC.	11640.000

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 2 52  
 A NEGATIVE INC NO. WILL SUPPRESS INTERMEDIATE INC OUTPUT.

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ERROR CORR - 01

MODIFICATION - 50,51,52

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EU

MADE IN U.S.A.

Vertical text and markings on the right edge of the page, including punch holes and faint characters.



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HEC2 VERSION UPDATED JAN 1975  
ERROR CORRECTIONS 01,02,03,04,05,06,07,08  
MODIFICATIONS 52,53,54,55,56,57,58  
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EJ