

ROCKY RAIN

THIS RUN EXECUTED 15 DEC 81 13.35.23

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 HEC2 RELEASE DATED NOV 76 UPDATED APR 1980  
 ERROR CORR - 01,02,07,04  
 MODIFICATION - 50,51,52,53,54  
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O.K.

T1 NORTH CAROLINA FLOOD INSURANCE STUDIES  
 T2 ROCKY MOUNTAIN GROUP I  
 T3 100 YEAR FLOOD

J1	ICHECK	INC	VINV	IDIP	STP1	METRIC	HVINS	Q	WSEL	FG
	-	2.	-	-	<del>0000</del> 1000 O.K.	-0.	-0.	-0.	7.000	-0.
J2	IFRST	IFLOT	FRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1	-	-1	-	-	-0.	-1.000	-0.	-0.	-0.
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	11	15	2	-	-	-0.	-0.	-0.	-0.	-0.
J5	INLEN	ICOPY								
	1	-	-	-	-	-0.	-0.	-0.	-0.	-0.
NC	2	42	5	1	3	-0.	-0.	-0.	-0.	-0.
JT	5	421	831	1111	1947	1111	-0.	-0.	-0.	-0.
X1	1	19	69	615	-0.	-0.	-0.	-0.	-0.	-0.
GR	2	-	18	65	11	115	5	165	17	215
GR	17	315	19	415	9	475	8	515	9	600
GR	8	6	4	6	6	613	9	615	11	715
GR	17	7	19	715	18	975	20	1015	-0.	-0.
Y1	1	14	415	427	13	1800	15	-0.	-0.	-0.
GR	2	-	32	5	22	150	23	250	15	350
GR	2	41	6	435	4	422	6	427	9	450
GR	12	5	12	65	15	750	18	850	-0.	-0.
NC	-	-	-	3	5	-0.	-0.	-0.	-0.	-0.
X1	1	13	432	45	14	100	100	-0.	-0.	-0.
X3	1	-	-	-	-	-0.	-0.	-0.	14.900	14.900
GR	2	-	19	5	17	150	15	250	15	350
GR	14	432	4	432	4	450	14	450	15	550
GR	17	5	18	7	19	850	-0.	-0.	-0.	-0.
SB	1	1	2	-	16	5	128	-0.	4.700	4.600



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T1 NORTH CAROLINA FLOOD INSURANCE STUDIES
T2 ROCKY MOUNT GROUP I
T3 5 YEAR FLOOD

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J1	ICHECK	IC4	NINV	IDIR	STR1	METRIC	HVINS	G	WSEL	FG
	-0.	3.	-0.	-0.	0.000000	-0.	-0.	-0.	8.000	-0.
J2	NPROF	IILGT	PREVS	YSECV	YSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2.000	-0.	-1.000	-0.	-0.	-0.	-1.000	-0.	-0.	-0.

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T1 NORTH CAROLINA FLOOD INSURANCE STUDIES  
 T2 ROCKY MOUNTAIN GROUP I  
 T3 100 YEAR FLOOD

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-0.	4.	-0.	-0.	.000800	-0.	-0.	-0.	9.000	-0.
J2	NPROF	IFLOT	PPFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	3.000	-0.	-1.000	-0.	-0.	-0.	-1.000	-0.	-0.	-0.

THIS RUN EXECUTED 15 DEC 81 13.35.24

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 HEC2 RELEASE DATED NOV 76 UPDATED APR 1980  
 ERROR CORR - 01,32,33,34  
 MODIFICATION - 50,51,52,53,54  
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T1 NORTH CAROLINA FLOOD INSURANCE STUDIES  
 T2 ROCKY RUN GROUP I  
 T3 500 YEAR FLOOD

J1	ICHECK	IFG	INRV	IOIR	STRT	METRIC	HVINS	G	WSEL	FG
	-0.	0.	-0.	-0.	000800	-0.	-0.	-0.	11.000	-0.
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	.IBW	CHNIM	ITRACE
	15.000	-0.	-1.000	-0.	-0.	-0.	-1.000	-0.	-0.	-0.

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

TEN YEAR FLOOD

SUMMARY PRINTOUT TABLE 110

SECTID	CMSL	DIFKWS	EG	TOPWID	QLOB	GCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
1.000	11.90	4.9	11.91	342.74	279.46	102.71	38.83	0.	0.	600.00	615.00	0.
1.000	13.40	5.4	13.41	440.92	551.75	157.38	141.92	0.	0.	600.00	615.00	0.
1.000	14.12	5.12	14.13	478.68	706.05	184.63	220.32	0.	0.	600.00	615.00	0.
1.000	15.92	4.92	15.93	542.83	1177.52	261.30	508.18	0.	0.	600.00	615.00	0.
1.100	13.23	0.	13.24	292.38	47.45	189.98	163.57	0.	0.	415.00	427.00	0.
1.100	14.85	0.	14.86	372.41	134.02	268.23	478.74	0.	0.	415.00	427.00	0.
1.100	15.58	0.	15.61	408.60	140.34	304.07	666.59	0.	0.	415.00	427.00	0.
1.100	17.37	0.	17.40	496.31	272.45	394.13	1280.40	0.	0.	415.00	427.00	0.
1.200	13.43	0.	13.54	18.00	0.	421.00	0.	0.	0.	432.00	450.00	0.
1.200	15.00	0.	15.51	174.25	6.42	843.57	1.01	0.	0.	432.00	450.00	0.
1.200	15.96	0.	16.20	343.43	101.91	977.67	31.42	0.	0.	432.00	450.00	0.
1.200	17.67	0.	17.83	573.76	615.92	1003.43	327.65	0.	0.	432.00	450.00	0.
1.300	13.59	0.	13.7	18.00	0.	421.00	0.	0.	0.	432.00	450.00	0.
1.300	15.41	0.	15.65	231.21	18.44	828.79	3.77	0.	0.	432.00	450.00	0.
1.300	16.50	0.	16.28	304.19	112.74	976.46	31.80	0.	0.	432.00	450.00	0.
1.300	17.67	0.	17.83	571.06	616.44	1002.49	326.07	0.	0.	432.00	450.00	0.
1.400	13.78	0.	13.87	18.00	0.	421.00	0.	0.	0.	432.00	450.00	0.
1.400	15.61	0.	16.06	325.53	63.23	770.36	17.41	0.	0.	432.00	450.00	0.
1.400	16.49	0.	16.68	424.20	191.61	841.83	77.56	0.	0.	432.00	450.00	0.
1.400	17.99	0.	18.11	614.20	669.39	905.44	372.18	0.	0.	432.00	450.00	0.

TEN YEAR FLOOD

SUMMARY PRINTOUT TABLE 150

SECTN	YLCN	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	CG	ICK+S	VCH	AREA	•01K
1.00	-2.	0.	0.	4.70	421.00	11.90	7.98	11.91	7.86	1.27	865.59	150.16
1.00	-2.	0.	0.	4.70	851.00	13.40	9.27	13.41	8.16	1.52	1452.65	297.89
1.00	-2.	0.	0.	4.70	1111.00	14.12	9.68	14.13	8.06	1.61	1787.22	391.42
1.00	-2.	0.	0.	4.70	1947.00	15.92	10.49	15.93	7.98	1.85	2703.36	689.29
1.10	1500.00	0.	0.	4.00	421.00	13.23	8.61	13.26	10.08	1.98	608.49	132.60
1.10	1500.00	0.	0.	4.00	851.00	14.85	10.42	14.88	10.89	2.33	1143.92	257.88
1.10	1500.00	0.	0.	4.00	1111.00	15.58	11.14	15.61	10.95	2.45	1429.58	335.68
1.10	1500.00	0.	0.	4.00	1947.00	17.37	12.61	17.40	10.79	2.71	2241.60	592.79
1.20	100.00	0.	0.	4.70	421.00	13.43	7.32	13.54	36.77	2.70	156.18	69.43
1.20	100.00	0.	0.	4.70	851.00	15.20	8.84	15.51	88.28	4.48	218.11	90.57
1.20	100.00	0.	0.	4.70	1111.00	15.96	9.64	16.28	94.03	4.85	423.42	114.57
1.20	100.00	0.	0.	4.70	1947.00	17.67	11.86	17.83	61.63	4.31	1222.49	248.00
1.30	32.50	14.9	12.7	4.70	421.00	13.59	0.	13.70	35.01	2.65	159.06	71.15
1.30	32.50	14.9	12.7	4.70	851.00	15.41	0.	15.69	79.94	4.32	259.74	95.18
1.30	32.50	14.9	12.7	4.70	1111.00	15.96	0.	16.28	93.66	4.84	425.15	114.80
1.30	32.50	14.9	12.7	4.70	1947.00	17.67	0.	17.83	61.47	4.31	1224.12	248.33
1.40	50.00	0.	0.	4.70	421.00	13.76	7.32	13.87	33.18	2.59	162.29	73.09
1.40	50.00	0.	0.	4.70	851.00	15.85	8.84	16.06	60.50	3.86	383.49	109.41
1.40	50.00	0.	0.	4.70	1111.00	16.49	9.64	16.68	59.62	3.98	630.09	143.88
1.40	50.00	0.	0.	4.70	1947.00	17.99	11.87	18.11	46.29	3.80	1408.61	286.17



TEN YEAR FLOOD

SUMMARY PRINTOUT TABLE 150

SECHO	G	CWSEL	DIFWSE	DIFWSX	DIFWLS	TOPWID	XLCH
1.000	421.00	11.91	0.	0.	4.90	342.74	-0.
1.000	851.00	13.40	1.50	0.	5.40	440.92	-0.
1.000	1111.00	14.12	.72	0.	5.12	478.68	-0.
1.000	1947.00	15.92	1.79	0.	4.92	542.83	-0.
1.100	421.00	13.23	0.	1.33	0.	292.38	1500.00
1.100	851.00	14.85	1.61	1.45	0.	372.41	1500.00
1.100	1111.00	15.58	.73	1.45	0.	408.60	1500.00
1.100	1947.00	17.37	1.79	1.46	0.	496.31	1500.00
1.200	421.00	12.43	0.	.19	0.	18.00	100.00
1.200	851.00	15.20	1.78	.36	0.	174.25	100.00
1.200	1111.00	15.96	.75	.38	0.	343.43	100.00
1.200	1947.00	17.67	1.72	.30	0.	570.76	100.00
1.300	421.00	13.59	0.	.16	0.	18.00	32.50
1.300	851.00	15.41	1.82	.21	0.	237.21	32.50
1.300	1111.00	15.96	.55	.01	0.	344.19	32.50
1.300	1947.00	17.67	1.71	.00	0.	571.06	32.50
1.400	421.00	13.76	0.	.19	0.	18.00	50.00
1.400	851.00	15.85	2.08	.44	0.	325.53	50.00
1.400	1111.00	16.49	.65	.54	0.	424.20	50.00
1.400	1947.00	17.99	1.80	.32	0.	604.20	50.00





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T1 NORTH CAROLINA FLOOD INSURANCE STUDIES  
 T2 ROCKY MOUNTAIN GROUP 1  
 T3 FLOODWAY

J1	ICHECK	ILW	NINV	IDIR	SINT	METRIC	HVINS	Q	WSEL	FG
	-	0	-	-	-1	-	-0	-0	15.120	-0
J2	OFFDF	IFLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBL	CHNIM	ITRACE
	15.000	-	-1.000	-	-0	-0	-1.000	-0	-0	-0

INLET = 1. THEREFORE FRICTION LOSS (HL) IS CALCULATED AS A FUNCTION OF PROFILE TYPE, WHICH CAN VARY FROM REACH TO REACH. SEE DOCUMENTATION FOR DETAILS.

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100 YEAR FLOOD

SUMMARY PRINTOUT TABLE 11:

CROSS	CWSEL	DIFWKS	LG	TOPWID	GLOB	GCH	GR08	PERENC	STENCL	STCHL	STCHR	STENCR
100	14.12	5.12	14.13	478.68	786.05	184.63	220.32	0.	0.	600.00	615.00	0.
100	15.12	1.12	15.14	267.28	732.52	229.83	148.65	.28	157.92	600.00	615.00	660.36
101	15.58	0.	15.61	408.61	140.34	304.17	666.59	0.	0.	415.00	427.00	0.
101	16.51	.91	16.53	213.47	42.95	329.43	738.62	.21	408.06	415.00	427.00	621.54
102	15.96	0.	16.20	343.43	191.91	977.67	31.42	0.	0.	432.00	450.00	0.
102	16.85	.59	17.22	34.64	33.75	1077.25	0.	.26	415.36	432.00	450.00	450.00
103	15.96	0.	16.20	344.19	102.74	976.46	31.80	0.	0.	432.00	450.00	0.
103	16.85	.59	17.22	35.76	36.11	1074.89	0.	.26	414.24	432.00	450.00	450.00
104	16.49	0.	16.63	424.27	191.61	841.83	77.56	0.	0.	432.00	450.00	0.
104	17.47	.91	17.67	111.43	211.51	899.49	0.	.28	348.57	432.00	450.00	450.00

ROCKY RUN GROUP-1  
 FLOODWAY DATA 100 YEAR FLOOD  
 PROFILE NO. 2

STATION	FLOODWAY WIDTH	FLOODWAY SECTION AREA	MEAN VELOCITY	WATER SURFACE ELEVATION			CUMULATIVE DISTANCE
				WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE	
1+0	52	1487	.7	15.1	14.1	1.0	1400
1+1	213	122	.9	16.5	15.6	.9	2900
1+2	35	25	4.4	16.9	16.0	.9	3000
1+3	76	252	4.4	16.9	16.0	.9	3032
1+4	111	435	2.6	17.4	16.5	.9	3082