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

T1 KANNAPOLIS-ROWAN CO. STRM 2K
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6913
 T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINX	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	3.	0.	0.	0.013000	0.0	0.0	0.	702.900	0.0
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CCHV= 0.100 CEHV= 0.300

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	LOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
200.00	3.59	700.49	0.0	702.90	701.41	0.91	0.0	0.0	707.70
401.	0.	401.	0.	0.	52.	0.	0.	0.	706.60
0.0	0.0	7.67	0.0	0.055	0.035	0.055	0.0	696.90	1034.67
0.012892	200.	200.	200.	0	0	4	0.0	23.58	1058.26

700.00	5.59	705.49	0.0	0.0	706.32	0.83	4.91	0.01	705.10
397.	0.	396.	1.	0.	54.	1.	1.	0.	705.00
0.02	0.78	7.34	0.92	0.055	0.035	0.055	0.035	699.90	1096.35
0.007702	500.	500.	500.	4	0	1	0.0	20.22	1118.61

750.00	5.07	705.76	0.0	0.0	706.89	1.12	0.48	0.09	705.90
397.	0.	397.	0.	0.	47.	0.	1.	0.	705.80
0.02	0.0	8.50	0.0	0.055	0.035	0.055	0.035	700.70	1100.05
0.012358	50.	50.	50.	2	0	1	0.0	13.93	1113.98

CCHV= 0.100 CEHV= 0.300
 3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	LOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

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T1 KANNAPOLIS-ROWAN CO. STRM 2K
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	MINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FR
	-10.	4.	0.	0.	0.013000	0.0	0.0	0.	704.900	0.0
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	3.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CCHV= 0.100 CEHV= 0.300

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	QLOSS	BANK ELEV
Q	GLOB	DCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
200.00	3.96	700.88	0.0	704.90	701.93	1.06	0.0	0.0	707.70
500.	0.	500.	0.	0.	62.	0.	0.	0.	706.60
0.0	0.0	8.25	0.0	0.055	0.035	0.055	0.0	696.90	1034.42
0.012840	200.	200.	200.	0	0	5	0.0	24.70	1059.13

700.00	6.06	705.96	0.0	0.0	706.27	1.01	5.03	0.01	705.10
500.	2.	491.	5.	2.	61.	4.	1.	0.	705.00
0.02	1.36	8.12	1.48	0.055	0.035	0.055	0.035	699.90	1096.41
0.008060	500.	500.	500.	4	0	1	0.0	26.71	1123.12

750.00	5.50	706.20	706.63	0.0	707.53	1.36	0.51	0.11	705.90
500.	0.	499.	1.	0.	63.	1.	1.	0.	705.00
0.02	0.87	9.45	1.07	0.055	0.035	0.055	0.035	700.70	1098.71
0.013107	50.	50.	50.	4	11	1	0.0	19.16	1117.07

CCHV= 0.100 CEHV= 0.300
 3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	QLOSS	BANK ELEV
Q	GLOB	DCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

 HEC2 VERSION UPDATED JAN 1975
 ERROR CORRECTIONS 01,02,03,04,05,06,07,0A
 MODIFICATIONS 52,53,54,55,56,57,58

T1 KANNAPOLIS-ROWAN CO. STRM 2K
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	5.	0.	0.	0.013000	0.0	0.0	0.	705.900	0.0
J2	NPROF	IPLT	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

CCHV= 0.100 CEHV= 0.300

SECNO	DEPTH	CHSFL	CRWS	WSELK	EG	HV	HL	QLOSS	BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

200.00	4.79	701.69	0.0	705.90	703.05	1.37	0.0	0.0	707.70
774.	0.	774.	0.	0.	53.	0.	0.	0.	705.60
0.0	0.0	9.38	0.0	0.055	0.035	0.055	0.0	696.90	1033.90
0.012891	200.	200.	200.	0	0	5	0.0	27.05	1060.94

700.00	7.02	706.92	706.53	0.0	708.21	1.29	5.15	0.01	705.10
759.	16.	701.	42.	7.	74.	18.	1.	0.	705.90
0.02	2.28	9.47	2.40	0.055	0.035	0.055	0.035	699.90	1092.39
0.008409	500.	500.	500.	6	11	1	0.0	39.85	1132.24

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CHSEL	CRWS	WSELK	EG	HV	HL	QLOSS	BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

750.00	6.63	707.33	707.33	0.0	708.98	1.65	0.49	0.0	705.90
759.	10.	723.	27.	4.	68.	11.	1.	0.	705.80
0.02	2.28	10.55	2.42	0.055	0.035	0.055	0.035	700.70	1094.05
0.011570	50.	50.	50.	3	5	1	0.0	34.44	1128.49

CCHV= 0.100 CEHV= 0.300

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

500 YEAR FLOOD WATER SUR

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	VCH
200.00	200.00	0.0	0.0	696.90	209.00	699.66	18.39	700.26	21.17	0.0	0.0	6.22
200.00	200.00	0.0	0.0	696.90	401.00	700.49	35.32	701.40	23.58	0.0	0.0	7.57
200.00	200.00	0.0	0.0	696.90	508.00	700.88	44.83	701.93	24.70	0.0	0.0	8.25
200.00	200.00	0.0	0.0	696.90	774.00	701.69	68.17	703.05	27.05	0.0	0.0	9.38
700.00	500.00	0.0	0.0	699.90	209.00	704.26	25.73	704.75	13.20	0.0	0.0	5.68
700.00	500.00	0.0	0.0	699.90	397.00	705.48	45.24	706.32	20.22	0.0	0.0	7.34
700.00	500.00	0.0	0.0	699.90	500.00	705.96	55.69	706.97	26.71	0.0	0.0	8.12
700.00	500.00	0.0	0.0	699.90	759.00	706.32	82.81	708.21	39.85	0.0	0.0	9.47
750.00	50.00	0.0	0.0	700.70	209.00	704.52	19.10	705.27	12.65	0.0	0.0	6.94
750.00	50.00	0.0	0.0	700.70	397.00	705.76	35.71	706.89	18.93	0.0	0.0	8.50
750.00	50.00	0.0	0.0	700.70	500.00	706.20	43.67	707.59	19.16	0.0	0.0	9.45
750.00	50.00	0.0	0.0	700.70	759.00	707.32	70.56	708.98	34.44	0.0	0.0	10.55
800.00	50.00	0.0	0.0	703.70	209.00	708.11	29.25	708.84	23.33	0.0	0.0	7.69
800.00	50.00	0.0	0.0	703.70	397.00	708.96	54.75	709.82	34.85	0.0	0.0	8.92
800.00	50.00	0.0	0.0	703.70	500.00	709.31	69.55	710.21	39.65	0.0	0.0	9.29
800.00	50.00	0.0	0.0	703.70	759.00	710.04	109.79	710.99	49.66	0.0	0.0	9.78
868.00	68.00	718.90	708.70	703.70	209.00	710.72	160.11	710.76	38.99	0.0	0.0	1.99
868.00	68.00	718.90	708.70	703.70	397.00	710.51	2169.61	710.51	166.47	0.0	0.0	0.47
868.00	68.00	718.90	708.70	703.70	500.00	719.43	2673.70	719.43	187.95	0.0	0.0	0.31
868.00	68.00	718.90	708.70	703.70	759.00	720.08	3065.90	720.08	203.16	0.0	0.0	0.39
943.00	75.00	0.0	0.0	703.60	209.00	710.71	85.65	710.50	41.01	0.0	0.0	2.35
943.00	75.00	0.0	0.0	703.60	397.00	710.51	697.72	710.51	140.64	0.0	0.0	0.54
943.00	75.00	0.0	0.0	703.60	500.00	719.43	1990.87	719.43	158.07	0.0	0.0	0.91
943.00	75.00	0.0	0.0	703.60	759.00	720.07	1241.76	720.09	171.69	0.0	0.0	1.25
968.00	25.00	0.0	0.0	704.00	209.00	710.70	73.06	710.02	35.60	0.0	0.0	2.64
968.00	25.00	0.0	0.0	704.00	397.00	710.51	822.60	710.51	135.64	0.0	0.0	0.90
968.00	25.00	0.0	0.0	704.00	500.00	719.43	1004.08	719.43	150.96	0.0	0.0	0.97
968.00	25.00	0.0	0.0	704.00	759.00	720.07	1147.15	720.09	163.78	0.0	0.0	1.33
1500.00	532.00	0.0	0.0	710.70	209.00	712.60	15.79	713.36	19.35	0.0	0.0	7.00
1500.00	532.00	0.0	0.0	710.70	397.00	716.49	220.40	719.56	32.90	0.0	0.0	2.10
1500.00	532.00	0.0	0.0	710.70	483.00	719.41	273.08	719.49	36.00	0.0	0.0	2.26
1500.00	532.00	0.0	0.0	710.70	725.00	720.04	312.72	720.18	36.44	0.0	0.0	3.08

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH @	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
200.000	209.000	699.657	0.0	0.0	0.0	21.169	0.0	200.000
200.000	401.000	700.490	0.833	0.0	0.0	23.584	-2.415	200.000
200.000	508.000	700.877	0.387	0.0	0.0	24.704	-3.535	200.000
200.000	774.000	701.686	0.808	0.0	0.0	27.047	-5.876	200.000
700.000	209.000	704.260	0.0	4.603	0.0	13.199	0.0	500.000
700.000	397.000	705.485	1.224	4.994	0.0	20.222	-7.023	500.000
700.000	500.000	705.960	0.475	5.083	0.0	26.711	-13.511	500.000
700.000	759.000	706.920	0.961	5.235	0.0	39.851	-26.651	500.000

750,000	209,000	704,517	0.0	0.257	0.0	12,647	0.0	50,000
750,000	397,000	705,754	1.247	0.279	0.0	13,932	-1,285	50,000
750,000	500,000	706,202	0.438	0.242	0.0	19,160	-5,513	50,000
750,000	759,000	707,325	1.123	0.404	0.0	34,438	-21,792	50,000
800,000	209,000	708,112	0.0	3.595	0.0	23,327	0.0	50,000
800,000	397,000	708,956	0.344	3.192	0.0	34,854	-11,527	50,000
800,000	500,000	709,307	0.351	3.105	0.0	39,651	-15,325	50,000
800,000	759,000	710,040	0.733	2.715	0.0	49,664	-26,337	50,000
868,000	209,000	710,722	0.0	2,610	0.0	58,991	0.0	68,000
868,000	397,000	718,509	7,787	9,553	0.0	166,472	-107,481	68,000
868,000	500,000	719,430	0.921	10,123	0.0	187,954	-128,963	68,000
868,000	759,000	720,079	0.649	10,039	0.0	203,160	-144,159	68,000
943,000	209,000	710,706	0.0	-0.017	0.0	41,009	0.0	75,000
943,000	397,000	718,507	7.802	-0.002	0.0	140,639	-99,630	75,000
943,000	500,000	719,427	0.920	-0.003	0.0	158,867	-117,859	75,000
943,000	759,000	720,075	0.648	-0.004	0.0	171,687	-130,678	75,000
968,000	209,000	710,705	0.0	-0.001	0.0	35,601	0.0	25,000
968,000	397,000	718,507	7.803	0.0	0.0	135,837	-100,236	25,000
968,000	500,000	719,427	0.920	0.0	0.0	150,955	-115,355	25,000
968,000	759,000	720,074	0.647	-0.001	0.0	163,780	-128,179	25,000
1500,000	205,000	712,601	0.0	1,896	0.0	19,345	0.0	532,000
1500,000	385,000	718,494	5,893	-0.014	0.0	32,893	-13,550	532,000
1500,000	483,000	719,409	0.915	-0.019	0.0	34,929	-15,653	532,000
1500,000	729,000	720,036	0.628	-0.030	0.0	36,441	-17,096	532,000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.0	0.0	0.741	0.0
2	0.0	0.0	1.830	1.090
3	0.0	0.0	2.056	1.315
4	0.0	0.0	2.314	1.573

HEC2 VERSION UPDATED JAN 1978
ERROR CORRECTIONS 01,02,03,04,05,06,07,08
MODIFICATIONS 52,53,54,55,56,57,58

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