
 HCC2 VERSION UPDATED JAN 1975
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08
 MODIFICATIONS 52,53,54,55,56,57,58

T1 ROWAN CO. BASIN E STREAM 13
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO, 6918
 T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	3.	0.	0.	0.012000	0.0	0.0	0.	775.300	0.0
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLOC	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	QLOSS	BANK ELEV
@	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
750.00	3.02	772.32	0.0	775.30	772.65	0.33	0.0	0.0	772.10
552.	235.	190.	134.	90.	27.	63.	0.	0.	772.20
0.0	2.61	7.11	2.14	0.055	0.035	0.055	0.0	769.30	1152.53
0.011963	750.	750.	750.	0	0	6	0.0	227.82	1380.34

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	QLOSS	BANK ELEV
@	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
2650.00	4.09	797.59	797.59	0.0	798.26	0.67	18.17	0.0	796.40
385.	54.	327.	4.	30.	46.	5.	6.	7.	797.10
0.05	1.80	7.09	0.90	0.055	0.035	0.055	0.035	793.50	1063.39
0.007183	1900.	1900.	1900.	4	11	1	0.0	79.44	1142.82

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

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T1 ROWAN CO. BASIN E STREAM 13
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	EQ
	-10.	3.	0.	0.	0.012000	0.0	0.0	0.	775.500	0.0
J2	NPROF	IPLCT	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	CRINS	WSELK	EG	HV	HL	QLOSS	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	
750.00	3.02	772.32	0.0	775.30	772.55	0.33	0.0	0.0	772.10	
559.	235.	190.	154.	90.	27.	63.	0.	0.	772.20	
0.0	2.61	7.11	2.14	0.055	0.035	0.055	0.0	769.30	1152.53	
0.011963	750.	750.	750.	0	0	6	0.0	227.82	1380.34	

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRINS	WSELK	EG	HV	HL	QLOSS	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	
2655.00	4.09	797.59	797.59	0.0	798.26	0.67	18.17	0.0	796.40	
385.	54.	327.	4.	30.	46.	5.	6.	7.	797.10	
0.08	1.80	7.09	0.90	0.055	0.035	0.055	0.035	793.50	1063.39	
0.007133	1900.	1900.	1900.	4	11	1	0.0	79.44	1142.82	

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

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T1 ROWAN CO. BASIN E STREAM 13
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES H-G JOB NO. 6918
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	MINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FD
	-10.	4.	0.	0.	0.012000	0.0	0.0	0.	777.500	0.0
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLOC	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	CRIWS	WSELK	EG	HV	HL	OLOSS	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	
750.00	3.17	772.47	0.0	777.30	772.80	0.33	0.0	0.0	772.10	
706.	303.	211.	191.	107.	28.	78.	0.	0.	772.20	
0.0	2.84	7.41	2.45	0.055	0.035	0.055	0.0	769.30	1147.95	
0.011957	750.	750.	750.	0	0	7	0.0	233.20	1381.22	

7105 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	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
2650.00	4.43	797.93	797.93	0.0	798.58	0.65	17.65	0.0	796.40
494.	102.	374.	17.	46.	51.	14.	7.	7.	797.10
0.09	2.25	7.36	1.24	0.055	0.035	0.055	0.035	793.50	1061.98
0.006791	1900.	1900.	1900.	4	15	1	0.0	94.61	1156.59

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

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T1 ROWAN CO. BASIN E STREAM 13
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1 ICHECK INO NINV IDIR STRT METRIC HVINS Q WSEL FQ
 -10. 5. 0. 0. 0.012000 0.0 0.0 0. 778.300 0.0

J2 NPROF IPLOT 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

CCHV= 0.100 CEHV= 0.300

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLORL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
750.00	3.48	772.78	0.0	778.30	773.14	0.36	0.0	0.0	772.10
1073.	474.	259.	340.	143.	32.	112.	0.	0.	772.20
0.0	3.30	8.05	3.05	0.055	0.035	0.055	0.0	769.30	1138.33
0.011967	750.	750.	750.	0	0	7	0.0	244.75	1383.08

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLORL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
2657.00	5.00	798.50	798.50	0.0	799.20	0.70	17.85	0.0	796.40
774.	220.	484.	70.	73.	59.	39.	10.	8.	797.10
0.09	3.01	6.25	1.78	0.055	0.035	0.055	0.035	793.50	1059.64
0.007000	1900.	1900.	1900.	6	13	1	0.0	119.92	1179.55

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

500 YEAR FLOOD WATER SUR

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	VCH
750.00	750.00	0.0	0.0	769.30	287.00	772.03	30.28	772.29	205.22	0.0	0.0	5.70
750.00	750.00	0.0	0.0	769.30	559.00	772.32	51.11	772.65	227.82	0.0	0.0	7.11
750.00	750.00	0.0	0.0	769.30	706.00	772.47	64.57	772.80	233.28	0.0	0.0	7.41
750.00	750.00	0.0	0.0	769.30	1073.00	772.78	98.09	773.14	244.75	0.0	0.0	8.05
2650.00	1900.00	0.0	0.0	793.50	192.00	795.99	14.41	796.96	12.72	0.0	0.0	7.91
2650.00	1900.00	0.0	0.0	793.50	385.00	797.59	45.43	798.26	79.44	0.0	0.0	7.09
2650.00	1900.00	0.0	0.0	793.50	494.00	797.93	59.95	798.58	94.61	0.0	0.0	7.36
2650.00	1900.00	0.0	0.0	793.50	774.00	798.49	92.47	799.20	119.92	0.0	0.0	8.23
4250.00	1600.00	0.0	0.0	817.50	83.00	819.46	8.65	819.77	15.19	0.0	0.0	4.45
4250.00	1600.00	0.0	0.0	817.50	179.00	819.90	13.58	820.64	17.65	0.0	0.0	6.88
4250.00	1600.00	0.0	0.0	817.50	238.00	820.24	18.16	821.08	19.51	0.0	0.0	7.38
4250.00	1600.00	0.0	0.0	817.50	397.00	820.97	31.53	822.03	24.67	0.0	0.0	8.27

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
750.000	287.000	772.034	0.0	0.0	0.0	205.223	0.0	750.000
750.000	559.000	772.323	0.289	0.0	0.0	227.817	-22.595	750.000
750.000	706.000	772.470	0.147	0.0	0.0	233.277	-28.054	750.000
750.000	1073.000	772.779	0.309	0.0	0.0	244.752	-39.529	750.000
2650.000	192.000	795.990	0.0	23.956	0.0	12.721	0.0	1900.000
2650.000	385.000	797.589	1.599	25.266	0.0	79.435	-66.714	1900.000
2650.000	494.000	797.928	0.339	25.458	0.0	94.612	-81.890	1900.000
2650.000	774.000	798.495	0.567	25.716	0.0	119.917	-107.196	1900.000
4250.000	83.000	819.460	0.0	23.471	0.0	15.185	0.0	1600.000
4250.000	179.000	819.904	0.443	22.315	0.0	17.652	-2.467	1600.000
4250.000	238.000	820.240	0.337	22.313	0.0	19.507	-4.322	1600.000
4250.000	397.000	820.973	0.733	22.478	0.0	24.665	-9.480	1600.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.0	0.0	5.266	0.0
2	0.0	0.0	8.484	3.218
3	0.0	0.0	9.247	3.981
4	0.0	0.0	10.608	5.343

HEC2 VERSION UPDATED JAN 1975
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MODIFICATIONS 52,53,54,55,56,57,58

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