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

T1 THOMASVILLE-DAVIDSON CO. STRM. 35T
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	3.	0.	0.	0.020000	0.0	0.0	0.	848.500	0.0
J2	NPROF	IPL0T	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

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRISW	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
425.00	4.01	846.51	846.51	848.50	846.89	0.39	0.0	0.0	845.80
224.	12.	165.	47.	11.	29.	32.	0.	0.	846.00
0.0	1.11	5.77	1.46	0.055	0.035	0.055	0.0	842.50	1104.19
0.006706	425.	425.	425.	0	14	1	0.0	103.60	1207.78

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECHO	DEPTH	CWSEL	CRISW	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
1650.00	3.03	869.93	869.93	0.0	870.92	0.99	11.38	0.0	873.40
109.	0.	109.	0.	0.	14.	0.	1.	2.	874.80
0.04	0.0	7.99	0.0	0.055	0.035	0.055	0.035	866.90	1171.67
0.022949	1225.	1225.	1225.	30	15	1	0.0	7.01	1178.68

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T1 THOMASVILLE-DAVIDSON CO. STRM. 33T
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	4.	0.	0.	0.020000	0.0	0.0	0.	850.500	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

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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
425.00	4.21	846.71	846.71	850.50	847.10	0.39	0.0	0.0	845.80
296.	26.	190.	80.	18.	31.	44.	0.	0.	846.00
0.0	1.43	6.15	1.81	0.055	0.035	0.055	0.0	842.50	1099.24
0.006904	425.	425.	425.	0	12	1	0.0	111.13	1210.37

3685 20 TRIALS USED WSEL,CWSEL

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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
1650.00	3.55	870.45	870.45	0.0	871.59	1.13	11.69	0.0	873.40
150.	0.	150.	0.	0.	18.	0.	2.	2.	874.80
0.04	0.0	0.55	0.0	0.055	0.035	0.055	0.035	866.90	1171.27
0.022353	1225.	1225.	1225.	30	15	1	0.0	7.88	1179.15

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 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.	0.020000	0.0	0.0	0.	851.500	0.0
J2	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

CCHV= 0.100 CEHV= 0.300

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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
425.00	4.53	847.03	847.03	851.50	947.52	0.49	0.0	0.0	845.80
487.	67.	254.	166.	31.	34.	66.	0.	0.	846.00
0.0	2.19	7.38	2.53	0.055	0.035	0.055	0.0	842.50	1096.97
0.008601	425.	425.	425.	0	8	1	0.0	117.56	1214.53

3685 20 TRIALS USED WSEL,CWSEL

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	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
1650.00	4.67	871.57	871.57	0.0	873.01	1.44	13.85	0.0	873.40
264.	0.	264.	0.	0.	27.	0.	2.	2.	874.80
0.04	0.0	9.62	0.0	0.055	0.035	0.055	0.035	866.90	1170.40
0.021243	1225.	1225.	1225.	30	8	1	0.0	9.74	1180.14

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

500 YEAR FLOOD WATER SJX

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	TO	EG	TOPWID	STENC'L	STENCR	VCH
425.00	425.00	0.0	0.0	842.50	105.00	845.14	7.43	845.96	8.93	0.0	0.0	7.27
425.00	425.00	0.0	0.0	842.50	224.00	846.51	27.35	846.89	103.60	0.0	0.0	5.77
425.00	425.00	0.0	0.0	842.50	296.00	846.71	35.62	847.10	111.13	0.0	0.0	6.15
425.00	425.00	0.0	0.0	842.50	487.00	847.03	52.51	847.52	117.56	0.0	0.0	7.38
1650.00	1225.00	0.0	0.0	866.90	47.00	869.02	3.52	869.56	5.51	0.0	0.0	5.89
1650.00	1225.00	0.0	0.0	866.90	109.00	869.93	7.20	870.92	7.01	0.0	0.0	7.99
1650.00	1225.00	0.0	0.0	866.90	150.00	870.45	10.03	871.59	7.88	0.0	0.0	8.55
1650.00	1225.00	0.0	0.0	866.90	264.00	871.57	18.11	873.01	9.74	0.0	0.0	9.62

300

1590

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
425.000	105.000	845.141	0.0	0.0	0.0	8.931	0.0	425.000
425.000	224.000	846.506	1.365	0.0	0.0	103.596	-94.665	425.000
425.000	296.000	846.708	0.202	0.0	0.0	111.126	-102.195	425.000
425.000	487.000	847.032	0.324	0.0	0.0	117.560	-108.629	425.000
1650.000	47.000	869.024	0.0	23.883	0.0	5.514	0.0	1225.000
1650.000	109.000	869.928	0.904	23.422	0.0	7.014	-1.500	1225.000
1650.000	150.000	870.451	0.523	23.743	0.0	7.880	-2.365	1225.000
1650.000	264.000	871.573	1.122	24.541	0.0	9.737	-4.223	1225.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.0	0.0	0.203	0.0
2	0.0	0.0	1.555	1.352
3	0.0	0.0	1.673	1.470
4	0.0	0.0	1.790	1.587