
 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 27T
 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.	0.014000	0.0	0.0	0.	781.900	0.0
J2	NPROF	IPL0T	PREVS	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	CRWS	WSELK	ES	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
100.00	2.56	778.46	779.46	781.90	778.84	0.38	0.0	0.0	777.00
125.	11.	62.	51.	5.	9.	21.	0.	0.	777.40
0.0	2.37	6.59	4.42	0.055	0.035	0.055	0.0	775.90	1061.39
0.012111	100.	100.	100.	0	12	1	0.0	41.78	1106.17

3685 20 TRIALS USED WSEL, CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRWS	WSELK	ES	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
525.00	1.35	791.55	791.55	0.0	791.89	0.34	6.38	0.0	790.50
108.	44.	39.	25.	13.	6.	11.	0.	0.	790.60
0.03	3.39	6.65	2.32	0.055	0.035	0.055	0.035	790.20	1094.17
0.019919	425.	425.	425.	30	11	1	0.0	44.23	1138.40

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 T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	SIRT	METRIC	HVINS	Q	WSEL	F0
	-10.	3.	0.	0.	0.014000	0.0	0.0	0.	781.900	0.0

J2	NPROF	IPL0T	PREVS	XSECV	XSECH	FN	ALLOD	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	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
100.00	2.56	778.46	778.46	781.90	778.84	0.38	0.0	0.0	777.00
125.	11.	62.	51.	5.	9.	21.	0.	0.	777.40
0.0	2.37	6.59	2.42	0.055	0.035	0.055	0.0	775.90	1061.39
0.012111	100.	100.	100.	0	12	1	0.0	41.78	1103.17

3685 20 TRIALS USED WSEL,CWSEL

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
525.00	1.35	791.55	791.55	0.0	791.69	0.34	6.38	0.0	790.50
103.	44.	39.	25.	13.	6.	11.	0.	0.	790.60
0.03	3.37	6.65	2.32	0.055	0.035	0.055	0.035	770.20	1094.17
0.019919	425.	425.	425.	30	11	1	0.0	44.23	1138.40

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T1 THOMASVILLE-DAVIDSON CO. STRM 27T
 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	EQ
	-10.	4.	0.	0.	0.014000	0.0	0.0	0.	783.900	0.0

J2	NPROF	IPLOT	PREVS	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= 0.100

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CHSEL	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	ICQNT	CORAR	TOPWID	ENDST
100.00	2.76	778.66	778.66	783.90	779.07	0.41	0.0	0.0	777.00
167.	16.	74.	77.	6.	10.	27.	0.	0.	777.40
0.0	2.59	7.06	2.82	0.055	0.035	0.055	0.0	775.90	1060.49
0.012235	100.	100.	100.	0	21	1	0.0	44.06	1104.55

3685 20 TRIALS USED WSEL,CHSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CHSEL	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

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T1 THOMASVILLE-DAVIDSON CO. STRM 27T
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-10.	5.	0.	0.	0.014000	0.0	0.0	0.	784.900	0.0
J2	NPROF	IPLOT	PREVS	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	CHSEL	CRIWS	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	XLORR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
100.00	3.13	779.03	0.0	784.90	779.57	0.54	0.0	0.0	777.00
280.	30.	104.	146.	9.	12.	40.	0.	0.	777.40
0.0	3.17	8.43	3.69	0.055	0.035	0.055	0.0	775.90	1058.78
0.013903	100.	100.	100.	0	0	7	0.0	48.38	1107.16

3685 20 TRIALS USED WSEL,CHSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CHSEL	CRIWS	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	XLORR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
525.00	1.84	792.04	792.04	0.0	792.51	0.47	6.86	0.0	790.50
237.	94.	69.	74.	22.	8.	24.	1.	1.	790.60
0.02	4.27	8.29	3.03	0.055	0.035	0.055	0.035	790.20	1090.82
0.019536	425.	425.	425.	30	14	1	0.0	59.05	1149.88

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	TO	EG	TOPWID	STENCL	STENCR	VCH
100.00	100.00	0.0	0.0	775.90	59.00	778.11	F	778.37	37.79	0.0	0.0	5.00
240 100.00	100.00	0.0	0.0	775.90	125.00	778.46	2.36	778.84	41.78	0.0	0.0	6.59
100.00	100.00	0.0	0.0	775.90	167.00	778.66	15.10	779.07	44.06	0.0	0.0	7.08
100.00	100.00	0.0	0.0	775.90	280.00	779.03	23.75	779.57	48.38	0.0	0.0	8.43
525.00	425.00	0.0	0.0	790.20	52.00	791.23	3.69	791.48	34.41	0.0	0.0	5.36
640 525.00	425.00	0.0	0.0	790.20	108.00	791.55	7.65	791.89	44.23	0.0	0.0	6.65
525.00	425.00	0.0	0.0	790.20	143.00	791.71	10.21	792.07	49.05	0.0	0.0	7.18
525.00	425.00	0.0	0.0	790.20	237.00	792.04	16.96	792.51	59.05	0.0	0.0	8.29

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH @	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
100.000	59.000	778.109	0.0	0.0	0.0	37.787	0.0	100.000
100.000	125.000	778.457	0.348	0.0	0.0	41.780	-3.993	100.000
100.000	167.000	778.656	0.199	0.0	0.0	44.055	-6.268	100.000
100.000	280.000	779.032	0.376	0.0	0.0	48.376	-10.589	100.000
525.000	52.000	791.228	0.0	13.119	0.0	34.413	0.0	425.000
525.000	108.000	791.551	0.323	13.094	0.0	44.233	-9.820	425.000
525.000	143.000	791.709	0.158	13.053	0.0	49.046	-14.634	425.000
525.000	237.000	792.039	0.329	13.006	0.0	59.052	-24.639	425.000

DATA FOR LAST CROSS SECTION PROFILE

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.0	0.0	0.352	0.0
2	0.0	0.0	0.420	0.067
3	0.0	0.0	0.454	0.102
4	0.0	0.0	0.524	0.172