
 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-6 JOB NO. 6918
 T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FS
	-10.	3.	0.	0.	0.014000	0.0	0.0	0.	781.900	0.0

J2	NPRDF	IPLDT	PREVS	XSECV	XSECH	EM	ALLOC	TRW	CRMIN	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	CRHS	WSELK	EG	HV	HL	LOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOS	VCH	VROB	XNL	XNCH	XNR	WTN	ELMH	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
100.00	2.56	778.46	778.46	781.90	778.89	0.38	0.0	0.0	777.00
125.	11.	778.42	778.42	781.90	778.89	0.38	0.0	0.0	777.40
0.0	2.37	775.59	775.59	781.90	775.59	0.055	0.0	775.90	1061.39
0.012111	100.	775.100	775.100	781.90	775.100	0.12	0.0	41.78	1103.17

3585 20 TRIALS USED WSEL,CWSEL

7135 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRHS	WSELK	EG	HV	HL	LOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOS	VCH	VROB	XNL	XNCH	XNR	WTN	ELMH	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
525.00	1.35	791.55	791.55	791.89	791.89	0.34	6.38	0.0	790.50
105.	44.	791.39	791.39	791.89	791.39	0.13	0.	0.	790.60
0.03	3.39	790.65	790.65	791.89	790.65	0.055	0.035	790.20	1094.17
0.019919	425.	790.425	790.425	791.89	790.425	0.20	11	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	MINV	IDIR	STRT	METRIC	HVINS	G	WSEL	FS
	-10.	4.	0.	0.	0.014000	0.0	0.0	0.	783.900	0.0
J2	NPROF	TPLOT	PREVS	XSECV	XSECH	FN	ALLOC	IBW	CHWIM	ITRAGE
	3.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CCHV= 0.100 CERV= 0.100

3720 ASSUMED CRITICAL DEPTH

SECTO	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	JTRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
100.00	2.75	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	7.08	2.02	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,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECTO	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

 HEC2 VERSION UPDATED JAN 1975
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T1 THOMASVILLE-DAVIDSON CO. STRM 277
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES K-6 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 EN ALLOC IBW CHAIN LTRACE
 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	CWSCL	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	2.75	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.	777.48
0.0	2.58	7.08	2.82	0.055	0.055	0.055	0.0	778.90	1060.49
0.012235	1.0.	100.	100.	0	21	1	0.0	44.06	1184.53

3685 20 TRIALS USED WSEL,CWSCL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSCL	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	1.51	791.71	791.71	0.0	792.09	0.38	6.32	0.0	790.50
143.	58.	48.	37.	16.	7.	15.	0.	0.	790.60
0.03	3.68	7.18	2.55	0.055	0.055	0.055	0.035	790.20	1023.03
0.019614	425.	425.	425.	30	11	1	0.0	49.05	1142.13

 HELM VERSION UPDATED JAN 1975
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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	INR	MINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FB
	-10.	5.	0.	0.	0.014000	0.0	0.0	30.	794.900	0.0
J2	NPROF	IPLOT	PREVS	XSECV	XSECH	FN	ALLOC	IBW	CHML	ITSACE
	15.000	0.0	-2.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CCHV= 0.100 CEHV= 0.300

SECNO	DEPTH	CWSEL	CRHS	WSELK	EG	HV	HL	GLOSS	BANK ELEV
Q	GLSB	RCH	OROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOS	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLORL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	EADST

120.00	3.13	779.03	0.0	794.90	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	6.43	3.59	0.055	0.035	0.055	0.0	775.90	1050.78
0.013907	100.	100.	100.	0	0	7	0.0	48.58	1107.16

3608 20 TRIALS USED WSEL,CWSEL

7195 MIN SPECIFIC ENERGY

5720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRHS	WSELK	EG	HV	HL	GLOSS	BANK ELEV
Q	GLSB	RCH	OROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOS	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLORL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	EADST

625.00	1.84	792.04	792.04	0.0	792.51	0.47	6.65	0.0	790.50
237.	94.	69.	74.	22.	8.	24.	1.	1.	790.60
0.02	4.07	8.29	3.03	0.055	0.035	0.055	0.035	790.20	1090.82
0.013536	425.	425.	425.	30	14	1	0.0	59.00	1149.38

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	STE/CL	STENCR	VCH
100.00	100.00	0.0	0.0	775.90	59.00	778.11	6.17	778.37	37.79	0.0	0.0	5.00
100.00	100.00	0.0	0.0	775.90	125.00	778.46	11.36	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	200.00	779.03	23.75	779.57	48.33	0.0	0.0	8.43
525.00	425.00	0.0	0.0	790.20	52.00	791.23	3.69	791.43	34.41	0.0	0.0	5.36
525.00	425.00	0.0	0.0	790.20	106.00	791.55	7.65	791.87	44.23	0.0	0.0	6.65
525.00	425.00	0.0	0.0	790.20	143.00	791.71	10.21	792.09	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 Q	CWSEL DIFF EACH SECTION	CWSEL-HSELK	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	44.058	-6.268	100.000
100.000	200.000	779.032	0.376	0.0	0.0	48.376	-10.585	100.000
525.000	52.000	791.220	0.0	13.119	0.0	34.413	0.0	425.000
525.000	106.000	791.551	0.333	13.090	0.0	44.233	-9.820	425.000
525.000	143.000	791.709	0.158	13.053	0.0	49.056	-14.634	425.000
525.000	237.000	792.039	0.329	13.006	0.0	59.052	-24.633	425.000

DATA FOR LAST CROSS SECTION

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

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

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