
 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 28T
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	MINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-16.	5.	0.	0.	0.025000	0.0	0.0	0.	786.100	0.0
J2	MPROF	IPLDT	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

SECH0	DEPTH	CWSEL	CRHS	WSELK	EG	HV	HL	QLOSS	PANK ELEV
0	ALOB	ACH	AROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XDL	XICH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IGC	ICONT	CORAR	TOPHD	ENDST
150.00	3.47	783.57	783.57	786.10	784.71	1.14	0.0	0.0	783.40
233.	0.	232.	1.	0.	27.	1.	0.	0.	783.20
0.0	0.67	0.59	1.12	0.055	0.025	0.055	0.0	700.10	1098.79
0.016325	150.	150.	150.	0	14	1	0.0	25.71	1114.50

3685 20 TRIALS USED WSEL,CWSEL

7188 11 SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECH0	DEPTH	CWSEL	CRHS	WSELK	EG	HV	HL	QLOSS	PANK ELEV
0	ALOB	ACH	AROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XDL	XICH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IGC	ICONT	CORAR	TOPHD	ENDST
700.00	2.33	796.03	796.03	0.0	796.31	0.28	7.94	0.0	794.60
75.	22.	41.	15.	9.	0.	10.	0.	0.	795.00
0.04	2.29	5.49	1.55	0.055	0.025	0.055	0.035	793.70	1098.49
0.010291	550.	550.	550.	30	14	1	0.0	40.35	1138.83

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T1 THOMASVILLE-DAVIDSON CO. STRM 28T
 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.	0.025000	0.0	0.0	0.	788.100	0.0
J2	NPROF	IPLGT	PRFVS	XSECV	XSECH	FM	ALLOC	IBW	CHNIN	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	WSEL	PRINS	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	ELWIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
150.00	4.05	784.15	784.15	788.10	785.24	1.09	0.0	0.0	763.40
295.	3.	284.	2.	2.	33.	4.	0.	0.	783.20
0.0	1.54	8.51	1.81	0.055	0.035	0.055	0.0	780.10	1094.72
0.012149	150.	150.	150.	0	0	1	0.0	25.22	1119.94

3685 20 TRIALS USED WSEL,CWSEL

7185 10 SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	WSEL	PRINS	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	ELWIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
700.00	2.44	796.14	796.14	0.0	796.59	0.26	6.81	0.0	794.60
107.	21.	51.	25.	11.	6.	12.	0.	0.	795.60
0.04	2.79	6.43	2.00	0.055	0.035	0.055	0.035	793.70	1097.20
0.013080	550.	550.	550.	30	14	1	0.0	41.85	1139.05

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T1 THOMASVILLE-DAVIDSON CO. STRM 28T
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6913
 T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	ING	MINV	IDIR	STRT	MEYRIC	HVINS	Q	WSEL	FO
	-10.	5.	0.	0.	0.025000	0.0	0.0	0.	789.100	0.0
J2	MPROF	IPLUT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIN	ITRACE
	15.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CCHV= 0.300 CEHV= 0.300

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSFL	CRWS	WSELK	EG	HV	HL	LOSS	BANK ELEV
TIME	VLOC	VCH	VRCR	XNL	XNCR	XNR	WTN	ELPIN	SSTA
SLOPE	XLOC	XLCR	XLCR	ITRIAL	IOC	ICONT	CORAR	TOPWID	ENDST
150.00	4.95	785.05	785.05	789.10	785.14	1.08	0.0	0.0	783.40
450.	22.	308.	40.	10.	43.	16.	0.	0.	793.20
6.0	2.35	8.94	2.89	0.055	0.035	0.055	0.0	789.10	1030.36
0.003475	150.	150.	150.	0	1	1	0.0	40.10	1120.46

6685 20 TRIALS USED WSEL,CWSFL

7185 11. SPECIFIC ENERGY

5720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSFL	CRWS	WSELK	EG	HV	HL	LOSS	BANK ELEV
TIME	VLOC	VCH	VRCR	XNL	XNCR	XNR	WTN	ELPIN	SSTA
SLOPE	XLOC	XLCR	XLCR	ITRIAL	IOC	ICONT	CORAR	TOPWID	ENDST
700.00	2.79	796.49	796.49	0.0	796.52	0.42	5.53	0.0	794.60
139.	38.	70.	60.	17.	0.	20.	1.	1.	795.50
0.03	3.45	7.49	2.94	0.055	0.035	0.055	0.035	793.70	1093.14
0.014284	550.	550.	550.	30	11	1	0.0	46.58	1139.73

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 GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	VCH
150.00	150.00	0.0	0.0	780.10	126.00	782.60	9.09	783.47	9.76	0.0	0.0	7.49
150.00	150.00	0.0	0.0	780.10	233.00	783.57	18.20	784.71	15.71	0.0	0.0	8.59
150.00	150.00	0.0	0.0	780.10	295.00	784.15	26.76	785.23	25.22	0.0	0.0	8.51
150.00	150.00	0.0	0.0	780.10	450.00	785.05	46.23	786.13	40.10	0.0	0.0	8.94
700.00	550.00	0.0	0.0	793.70	34.00	795.42	2.34	795.82	11.47	0.0	0.0	5.51
700.00	550.00	0.0	0.0	793.70	78.00	796.03	7.69	796.31	40.35	0.0	0.0	5.49
700.00	550.00	0.0	0.0	793.70	107.00	796.14	9.36	796.50	41.85	0.0	0.0	6.43
700.00	550.00	0.0	0.0	793.70	189.00	796.49	15.81	796.92	46.58	0.0	0.0	7.49

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
150.000	126.000	782.604	0.0	0.0	0.0	9.758	0.0	150.000
150.000	233.000	783.571	0.967	0.0	0.0	15.706	-5.948	150.000
150.000	295.000	784.149	0.578	0.0	0.0	25.221	-15.463	150.000
150.000	450.000	785.052	0.903	0.0	0.0	40.099	-30.341	150.000
700.000	34.000	795.419	0.0	12.816	0.0	11.466	0.0	550.000
700.000	78.000	796.031	0.611	12.460	0.0	40.345	-28.879	550.000
700.000	107.000	796.142	0.112	11.994	0.0	41.851	-30.385	550.000
700.000	189.000	796.494	0.351	11.442	0.0	46.583	-35.117	550.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.0	0.0	0.134	0.0
2	0.0	0.0	0.354	0.220
3	0.0	0.0	0.423	0.239
4	0.0	0.0	0.547	0.413

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