
 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 6T
 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	FG
	-10.	3.	0.	0.	0.008000	0.0	0.0	0.	873.000	0.0
J2	NPROF	IPLOT	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	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XLN	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
225.00	2.08	869.08	0.0	873.00	869.30	0.22	0.0	0.0	869.50
199.	0.	101.	88.	0.	20.	64.	0.	0.	868.40
0.0	0.0	5.00	1.39	0.055	0.035	0.055	0.0	867.00	1374.67
0.007943	225.	225.	225.	0	0	8	0.0	163.50	1538.17

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

5720 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	XLN	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
1625.00	2.18	898.08	898.08	0.0	898.49	0.41	12.25	0.0	896.90
119.	8.	80.	31.	4.	13.	17.	2.	3.	897.00
0.08	1.91	6.18	1.82	0.055	0.035	0.055	0.035	895.90	1088.56
0.010321	1400.	1400.	1400.	30	8	1	0.0	46.09	1134.66

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 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.	0.008000	0.0	0.0	0.	875.000	0.0
J2	NPROF	IPLT	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

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
225.00	2.24	869.24	0.0	875.00	869.45	0.21	0.0	0.0	869.50
255.	0.	116.	139.	0.	22.	89.	0.	0.	868.40
0.0	0.0	5.25	1.56	0.055	0.035	0.055	0.0	867.00	1374.42
0.007973	225.	225.	225.	0	0	9	0.0	191.27	1565.68

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

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
1625.00	2.41	898.30	898.30	0.0	898.75	0.45	12.36	0.0	896.90
163.	14.	97.	52.	6.	14.	25.	3.	4.	897.00
0.08	2.17	6.73	2.08	0.055	0.035	0.055	0.035	895.90	1087.12
0.010466	1400.	1400.	1400.	30	8	1	0.0	54.24	1141.36

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T1 THOMASVILLE-DAVIDSON CO. STRM 6T
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	5.	0.	0.	0.008000	0.0	0.0	0.	876.000	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

SECNO	DEPTH	WSEL	CRWS	WSELK	EG	HV	HL	QLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICCNT	CORAR	TOPWID	ENDST
225.00	2.55	869.55	0.0	876.00	869.76	0.21	0.0	0.0	869.50
433.	0.	149.	284.	0.	26.	153.	0.	0.	868.40
0.0	0.02	5.73	1.26	0.055	0.035	0.055	0.0	867.00	1372.29
0.007993	225.	225.	225.	0	0	9	0.0	247.67	1619.95

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	WSEL	CRWS	WSELK	EG	HV	HL	QLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICCNT	CORAR	TOPWID	ENDST
1625.00	2.87	898.77	898.77	0.0	899.26	0.51	12.54	0.0	896.90
287.	29.	139.	119.	11.	18.	46.	4.	5.	897.00
0.08	2.66	7.82	2.59	0.055	0.035	0.055	0.035	895.90	1084.19
0.010789	1400.	1400.	1400.	30	8	1	0.0	70.82	1155.01

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
225.00	225.00	0.0	0.0	867.00	84.00	868.71	9.67	868.93	96.66	0.0	0.0	4.27
225.00	225.00	0.0	0.0	867.00	189.00	869.08	21.21	869.30	163.50	0.0	0.0	5.00
225.00	225.00	0.0	0.0	867.00	255.00	869.24	28.56	869.45	191.27	0.0	0.0	5.25
225.00	225.00	0.0	0.0	867.00	433.00	869.55	48.43	869.76	247.67	0.0	0.0	5.73
1625.00	1400.00	0.0	0.0	895.90	51.00	897.50	4.75	897.86	25.62	0.0	0.0	5.09
1625.00	1400.00	0.0	0.0	895.90	119.00	898.08	11.71	898.49	46.09	0.0	0.0	6.18
1625.00	1400.00	0.0	0.0	895.90	163.00	898.30	15.93	898.75	54.24	0.0	0.0	6.73
1625.00	1400.00	0.0	0.0	895.90	287.00	898.77	27.63	899.28	70.82	0.0	0.0	7.82

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
225.000	84.000	868.707	0.0	0.0	0.0	96.663	0.0	225.000
225.000	189.000	869.082	0.376	0.0	0.0	163.500	-66.838	225.000
225.000	255.000	869.238	0.156	0.0	0.0	191.266	-94.603	225.000
225.000	433.000	869.545	0.300	0.0	0.0	247.665	-151.003	225.000
1625.000	51.000	897.503	0.0	28.796	0.0	25.621	0.0	1400.000
1625.000	119.000	898.077	0.574	28.994	0.0	46.094	-20.472	1400.000
1625.000	163.000	898.304	0.220	29.066	0.0	54.238	-28.616	1400.000
1625.000	287.000	898.769	0.464	29.223	0.0	70.822	-45.200	1400.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.0	0.0	1.965	0.0
2	0.0	0.0	3.368	1.403
3	0.0	0.0	3.945	1.980
4	0.0	0.0	5.118	3.153

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