
 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 177
 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.	0.034000	0.0	0.0	0.	875.000	0.0

J2	NPROF	IPLT	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= 0.109 CEHV= 0.300

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	CLOSS	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
250.00	1.75	870.75	870.75	875.00	871.09	0.35	0.0	0.0	869.70
252.	59.	89.	105.	26.	13.	33.	0.	0.	869.60
0.0	2.29	6.97	3.13	0.055	0.035	0.055	0.0	869.00	1321.21
0.017142	250.	250.	250.	0	17	1	0.0	103.03	1424.24

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	CLOSS	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
1900.00	1.31	903.71	903.71	0.0	903.92	0.21	31.23	0.0	902.90
90.	33.	14.	43.	14.	2.	14.	2.	3.	902.90
0.14	2.37	6.58	3.12	0.055	0.035	0.055	0.035	902.40	1148.67
0.025707	1650.	1650.	1650.	3	14	1	0.0	61.53	1210.19

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T1 THOMASVILLE-DAVIDSON CO. STRM 171
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	4.	0.	0.	0.034000	0.0	0.0	0.	877.000	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	WSEL	CRWS	WSELK	EG	HV	HL	LOSS	BANK ELEV
Q	QLOB	WCH	QROB	ALOB	ACH	XROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
250.00	1.89	870.89	870.89	877.00	871.27	0.38	0.0	0.0	869.70
326.	84.	106.	137.	33.	14.	40.	0.	0.	869.60
0.0	2.53	7.51	3.40	0.055	0.035	0.055	0.0	869.00	1314.46
0.017517	250.	250.	250.	0	17	1	0.0	113.50	1427.96
1900.00	1.42	903.82	903.82	0.0	904.08	0.26	32.79	0.01	902.90
127.	50.	17.	60.	18.	2.	17.	2.	3.	902.90
0.12	2.74	7.43	3.52	0.055	0.035	0.055	0.035	902.40	1143.85
0.028651	1650.	1650.	1650.	5	19	1	0.0	68.24	1212.09

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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	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	5.	0.	0.	0.034000	0.0	0.0	0.	878.000	0.0

J2	NPROF	IPL0T	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
250.00	2.22	71.22	871.22	878.00	871.65	0.43	0.0	0.0	869.70
519.	158.	142.	219.	54.	17.	58.	0.	0.	869.60
0.0	2.93	8.33	3.79	0.055	0.035	0.055	0.0	869.00	1299.73
0.016663	250.	250.	250.	0	11	1	0.0	136.70	1436.43

7185 MIN SPECIFIC ENERGY

3720 ASSURED 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
1900.00	1.70	904.10	904.10	0.0	904.43	0.33	32.30	0.0	902.90
231.	100.	25.	106.	30.	3.	25.	4.	4.	902.90
0.11	3.31	8.69	4.27	0.055	0.035	0.055	0.035	902.40	1132.38
0.029735	1650.	1650.	1650.	4	16	1	0.0	84.23	1216.61

X1 620.000 0.0 0.0 303.000 475.000 303.000 0.0 0.0
 QT 5.000 121.000 236.000 303.000 475.000 303.000 0.0 0.0

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	STENCL	STENCR	VCH
250.00	250.00	0.0	0.0	869.00	125.00	870.42	10.05	870.68	79.83	0.0	0.0	5.58
250.00	250.00	0.0	0.0	869.00	252.00	870.74	19.25	871.09	103.03	0.0	0.0	6.77
A 210 250.00	250.00	0.0	0.0	869.00	326.00	870.89	24.63	871.27	113.50	0.0	0.0	7.51
250.00	250.00	0.0	0.0	869.00	519.00	871.22	40.21	871.65	136.70	0.0	0.0	8.33
1900.00	1650.00	0.0	0.0	902.40	37.00	903.45	2.41	903.59	45.98	0.0	0.0	5.20
1900.00	1650.00	0.0	0.0	902.40	90.00	903.71	5.61	903.92	61.53	0.0	0.0	6.58
H 70 1900.00	1650.00	0.0	0.0	902.40	127.00	903.82	7.50	904.08	68.24	0.0	0.0	7.43
1900.00	1650.00	0.0	0.0	902.40	231.00	904.10	13.40	904.43	84.23	0.0	0.0	8.69

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
250.000	125.000	870.424	0.0	0.0	0.0	79.834	0.0	250.000
250.000	252.000	870.745	0.321	0.0	0.0	103.030	-23.196	250.000
250.000	326.000	870.889	0.144	0.0	0.0	113.498	-33.664	250.000
250.000	519.000	871.220	0.331	0.0	0.0	136.699	-56.865	250.000
1900.000	37.000	903.447	0.0	33.024	0.0	45.976	0.0	1650.000
1900.000	90.000	903.710	0.263	32.966	0.0	61.525	-15.550	1650.000
1900.000	127.000	903.820	0.109	32.931	0.0	68.236	-22.260	1650.000
1900.000	231.000	904.095	0.276	32.876	0.0	84.230	-38.255	1650.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.0	0.0	2.383	0.0
2	0.0	0.0	3.117	0.734
3	0.0	0.0	3.442	1.059
4	0.0	0.0	4.184	1.802