
 HEC2 VERSION UPDATED JAN 1975
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08
 MODIFICATIONS 52,53,54,55,56,57,58

C
 1 THOMASVILLE-DAVIDSON CO. STRM 9T
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-1.	2.	0.	0.	0,026000	0.0	0.0	0.	829,100	0.0
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHVIN	ITRACE
	0.0	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
J3	1,000	34,000	3,000	4,000	27,000	28,000	26,000	0.0	0.0	0.0
NC	0,055	0,055	0,035	0,100	0,300	0,0	0,0	0,0	0,0	0,0
QT	5,000	232,000	462,000	590,000	913,000	590,000	0,0	0,0	0,0	0,0
ET	5,000	0,0	8,0	0,0	0,0	-10,400	0,0	0,0	0,0	0,0
X1	200,000	8,000	1085,000	1107,000	200,000	200,000	200,000	0.0	0,0	0,0
GR	837,400	1000,000	828,600	1085,000	824,900	1090,900	824,100	1096,000	824,900	1102,000
GR	827,600	1107,000	834,800	1200,000	843,500	1300,000	0,0	0,0	0,0	0,0
BT	5,000	154,000	324,000	423,000	583,000	423,000	0,0	0,0	0,0	0,0
X1	1990,000	11,000	1346,000	1364,000	1790,000	1790,000	1790,000	0.0	0.0	0.0
GR	866,500	1000,000	858,500	1100,000	852,400	1200,000	851,000	1300,000	851,600	1346,000
GR	846,600	1351,000	846,600	1355,000	851,200	1364,000	852,300	1400,000	851,700	1500,000
GR	866,500	1545,000	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
X1	2040,000	0,0	0,0	0,0	50,000	50,000	50,000	0.0	2,100	0,0
NC	0,025	0,025	0,025	0,100	0,300	0,0	0,0	0,0	0,0	0,0
X1	2090,000	22,000	1463,500	1466,500	50,000	50,000	50,000	0.0	0,0	0,0
GR	871,700	1000,000	867,100	1100,000	852,100	1200,000	860,000	1256,000	856,500	1312,000
GR	855,200	1412,000	855,200	1458,000	852,300	1463,500	851,700	1463,500	851,200	1464,000
GR	850,800	1465,000	851,200	1466,000	851,700	1466,400	852,300	1466,500	855,400	1476,000
GR	856,500	1512,000	859,500	1547,000	860,900	1600,000	863,400	1700,000	866,100	1800,000
GR	868,600	1900,000	871,700	2000,000	0,0	0,0	0,0	0,0	0,0	0,0
SB	0,900	1,500	2,500	0,0	3,000	0,010	7,100	0,0	0,0	0,0
X1	2147,000	0,0	0,0	0,0	57,000	57,000	57,000	0.0	0,0	0,0
X2	0,0	0,0	1,000	853,800	857,700	0,0	0,0	0,0	0,0	0,0
BT	18,000	1000,000	871,700	0,0	1100,000	857,100	0,0	1200,000	852,100	0,0
BT	1300,000	858,600	0,0	1400,000	857,700	0,0	1463,500	858,100	852,300	1463,600
BT	858,100	852,900	1464,000	858,100	853,200	1465,000	858,100	853,500	1466,000	858,100
BT	853,200	1466,400	858,100	852,900	1466,500	858,100	852,300	1500,000	859,600	0,0
BT	1600,000	860,900	0,0	1700,000	863,400	0,0	1600,000	866,100	0,0	1900,000
BT	868,600	0,0	2000,000	871,700	0,0	0,0	0,0	0,0	0,0	0,0
NC	0,055	0,055	0,035	0,100	0,300	0,0	0,0	0,0	0,0	0,0
X1	2197,000	11,000	1346,000	1364,000	50,000	50,000	50,000	0.0	6,300	0,0
GR	866,500	1000,000	858,500	1100,000	852,400	1200,000	851,000	1300,000	851,600	1346,000

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T1 THOMASVILLE-DAVIDSON CO, STRM 9T
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INR	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FW
	-10.	3.	0.	0.	0.026000	0.0	0.0	0.	830.100	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= 0.100 CEHV= 0.300

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	WSEL	CRWS	WSELK	EG	HV	HL	OLSS	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	CGRAR	TOPWID	ENDST

200.00	3.63	827.73	827.73	830.10	628.98	1.25	0.0	0.0	828.60
462.	0.	462.	0.	0.	51.	0.	0.	0.	827.50
0.0	0.0	8.97	0.52	0.055	0.035	0.055	0.0	824.10	1086.18
0.014838	200.	200.	200.	0	14	1	0.0	22.45	1108.63

1990.00	4.25	850.85	0.0	0.0	851.71	0.85	22.69	0.04	851.60
324.	0.	324.	0.	0.	44.	0.	2.	1.	851.20
0.07	0.0	7.42	0.0	0.055	0.035	0.055	0.035	845.60	1346.75
0.010325	1790.	1790.	1790.	4	1	1	0.0	16.55	1364.31

3685 20 TRIALS USED WSEL, CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	WSEL	CRWS	WSELK	EG	HV	HL	OLSS	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	CGRAR	TOPWID	ENDST

2040.00	3.80	852.50	852.50	0.0	853.72	1.22	0.65	0.0	853.70
324.	0.	324.	0.	0.	37.	0.	2.	1.	853.30
0.07	0.0	8.87	0.0	0.055	0.035	0.055	0.035	848.70	1347.20

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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	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-10.	4.	0.	0.	0.026000	0.0	0.0	0.	832.100	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	CWSEL	CRWS	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	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
200.00	4.17	828.27	828.27	832.10	829.60	1.34	0.0	0.0	828.60
590.	0.	585.	4.	0.	53.	3.	0.	0.	827.60
0.0	0.0	9.31	1.47	0.055	0.035	0.055	0.0	824.10	1085.45
0.012882	200.	200.	200.	0	11	1	0.0	30.16	1115.61

3265 DIVIDED FLOW

1390.00	4.59	851.19	850.94	0.0	852.31	1.11	22.56	0.02	851.60
423.	2.	421.	0.	3.	50.	0.	2.	2.	851.20
0.00	0.04	8.49	0.0	0.055	0.055	0.055	0.035	846.60	1286.03
0.012356	1790.	1790.	1790.	6	11	1	0.0	46.56	1363.99

3605 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRWS	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	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

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T1 THOMASVILLE-DAVIDSON CO. STRM 9T
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINW	IDIR	STRT	METRIC	HVINS	Q	WSEL	FR
	-10.	5.	0.	0.	0.026000	0.0	0.0	0.	833.100	0.0
J2	NPROF	IPLUT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHMIN	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
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
200.00	5.30	829.40	829.40	833.10	830.80	1.40	0.0	0.0	828.60
913.	4.	858.	51.	5.	88.	21.	0.	0.	827.60
0.0	1.42	9.76	2.44	0.055	0.035	0.055	0.0	824.16	1077.26
0.009335	200.	200.	200.	0	11	1	0.0	53.00	1130.26

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
TIME	VLOB	VCH	VROB	XNR	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
1990.00	5.67	852.27	852.27	0.0	852.82	0.55	13.34	0.0	851.60
883.	175.	483.	25.	102.	28.	19.	6.	5.	851.20
0.09	1.72	7.02	1.34	0.055	0.035	0.055	0.035	846.60	1209.44
0.005679	1790.	1790.	1790.	11	8	1	0.0	149.52	1398.95

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

300 YEAR FLOOD WATER SUR

SECTION CHANNEL MIN EL OF MAX EL OF MIN EL DISCHARGE CWSL TO EG TOPWID STENCL STENCR VCH
 NUMBER LENGTH ROADWAY LOW CHORD GROUND (CFS)

200.00	200.00	0.0	0.0	824.10	232.00	826.66	13.31	827.54	17.64	0.0	0.0	7.50
200.00	200.00	0.0	0.0	824.10	462.00	827.73	37.93	828.97	22.45	0.0	0.0	8.97
200.00	200.00	0.0	0.0	824.10	590.00	828.27	51.98	829.60	30.16	0.0	0.0	9.31
200.00	200.00	0.0	0.0	824.10	913.00	829.40	94.25	830.80	53.00	0.0	0.0	9.76
1990.00	1790.00	0.0	0.0	846.60	154.00	849.66	15.02	850.20	13.06	0.0	0.0	5.89
1990.00	1790.00	0.0	0.0	846.60	324.00	850.85	31.88	851.71	16.55	0.0	0.0	7.42
1990.00	1790.00	0.0	0.0	846.60	423.00	851.19	38.01	852.30	46.55	0.0	0.0	8.49
1990.00	1790.00	0.0	0.0	846.60	683.00	852.27	90.64	852.92	139.52	0.0	0.0	7.02
2040.00	50.00	0.0	0.0	848.70	154.00	851.30	11.46	852.18	11.59	0.0	0.0	7.55
2040.00	50.00	0.0	0.0	848.70	324.00	852.50	25.13	853.72	15.23	0.0	0.0	8.87
2040.00	50.00	0.0	0.0	848.70	423.00	852.98	32.47	854.40	16.66	0.0	0.0	9.56
2040.00	50.00	0.0	0.0	848.70	683.00	854.37	91.13	854.92	190.15	0.0	0.0	6.99
2090.00	50.00	0.0	0.0	850.80	154.00	854.58	18.20	855.40	14.33	0.0	0.0	8.49
2090.00	50.00	0.0	0.0	850.80	324.00	855.75	55.36	856.14	114.72	0.0	0.0	7.14
2090.00	50.00	0.0	0.0	850.80	423.00	855.95	72.39	856.32	135.62	0.0	0.0	7.36
2090.00	50.00	0.0	0.0	850.80	683.00	856.24	105.53	856.68	156.36	0.0	0.0	6.46
2147.00	57.00	857.70	853.80	850.80	154.00	858.28	679.40	858.28	248.53	0.0	0.0	0.57
2147.00	57.00	857.70	853.80	850.80	324.00	858.71	870.94	858.71	260.64	0.0	0.0	0.53
2147.00	57.00	857.70	853.80	850.80	423.00	858.86	940.62	855.57	265.05	0.0	0.0	0.77
2147.00	57.00	857.70	853.80	850.80	683.00	859.20	1117.38	859.21	274.39	0.0	0.0	1.09
2197.00	50.00	0.0	0.0	852.90	154.00	856.25	68.11	856.30	155.38	0.0	0.0	1.59
2197.00	50.00	0.0	0.0	852.90	324.00	858.64	96.73	858.75	196.17	0.0	0.0	3.15
2197.00	50.00	0.0	0.0	852.90	423.00	858.77	109.67	858.91	203.11	0.0	0.0	3.72
2197.00	50.00	0.0	0.0	852.90	683.00	859.06	142.44	859.27	210.97	0.0	0.0	4.55
2247.00	50.00	0.0	0.0	855.00	154.00	857.91	14.48	858.54	12.62	0.0	0.0	6.35
2247.00	50.00	0.0	0.0	855.00	324.00	858.80	25.17	860.02	15.24	0.0	0.0	7.14
2247.00	50.00	0.0	0.0	855.00	423.00	859.34	33.47	860.70	16.66	0.0	0.0	8.35
2247.00	50.00	0.0	0.0	855.00	683.00	860.67	90.66	861.22	139.52	0.0	0.0	7.57
3540.00	1293.00	0.0	0.0	873.20	64.00	875.61	4.56	876.35	6.75	0.0	0.0	6.93
3540.00	1293.00	0.0	0.0	873.20	147.00	877.08	16.14	877.73	36.43	0.0	0.0	6.72
3540.00	1293.00	0.0	0.0	873.20	200.00	877.48	22.97	878.05	50.63	0.0	0.0	6.59
3540.00	1293.00	0.0	0.0	873.20	347.00	878.83	33.80	878.87	63.00	0.0	0.0	6.50

SECTION NUMBER	DISCHARGE CFS	CWSL	CWSL DIFF EACH 0	CWSL DIFF EACH SECTION	CWSL-VSELK	TOPWID	T.W. DIFF	LENGTH
200.000	232.000	826.661	0.0	0.0	0.0	17.645	0.0	200.000
200.000	462.000	827.726	1.064	0.0	0.0	22.449	-4.803	200.000
200.000	590.000	828.266	0.540	0.0	0.0	30.158	-12.514	200.000
200.000	913.000	829.400	1.135	0.0	0.0	53.000	-35.356	200.000
1990.000	154.000	849.662	0.0	23.001	0.0	13.059	0.0	1790.000
1990.000	324.000	850.851	1.188	23.125	0.0	16.554	-3.496	1790.000
1990.000	423.000	851.190	0.339	22.924	0.0	46.556	-33.498	1790.000
1990.000	683.000	852.267	1.076	22.367	0.0	149.517	-176.458	1790.000

	2040,000	154,000	851,299	0.0	1,636	0.0	11,687	0.0	50,000
	2040,000	324,000	852,459	1,200	1,648	0.0	15,233	-3,545	50,000
	2040,000	423,000	852,982	0,483	1,792	0.0	16,662	-4,975	50,000
	2040,000	683,000	854,373	1,391	2,106	0.0	190,152	-178,466	50,000
	2090,000	154,000	854,583	0.0	3,284	0.0	14,330	0.0	50,000
1	2090,000	324,000	855,749	1,166	3,251	0.0	114,791	-100,390	50,000
2	2090,000	423,000	855,950	0,201	2,968	0.0	135,622	-121,292	50,000
3	2090,000	683,000	856,245	0,295	1,872	0.0	166,364	-152,033	50,000
4									
5	2147,000	154,000	858,282	0.0	3,699	0.0	248,531	0.0	57,000
6	2147,000	324,000	858,710	0,428	2,961	0.0	260,641	-12,110	57,000
7	2147,000	423,000	858,866	0,155	2,915	0.0	265,051	-16,520	57,000
8	2147,000	683,000	859,197	0,332	2,952	0.0	274,389	-25,858	57,000
9									
10	2197,000	154,000	858,248	0.0	-0,034	0.0	156,375	0.0	50,000
11	2197,000	324,000	858,638	0,390	-0,072	0.0	196,174	-39,798	50,000
12	2197,000	423,000	858,772	0,134	-0,093	0.0	203,107	-46,731	50,000
13	2197,000	683,000	859,059	0,287	-0,138	0.0	210,971	-54,596	50,000
14									
15	2247,000	154,000	857,914	0.0	-0,334	0.0	12,624	0.0	50,000
16	2247,000	324,000	858,801	0,887	0,163	0.0	15,242	-2,618	50,000
17	2247,000	423,000	859,342	0,541	0,571	0.0	16,841	-4,217	50,000
18	2247,000	683,000	860,667	1,324	1,608	0.0	189,542	-176,918	50,000
19									
20	3540,000	64,000	875,613	0.0	17,699	0.0	6,756	0.0	1293,000
21	3540,000	147,000	877,084	1,471	18,283	0.0	38,451	-31,696	1293,000
22	3540,000	200,000	877,457	0,373	18,115	0.0	50,628	-43,872	1293,000
23	3540,000	347,000	878,031	0,574	17,364	0.0	63,083	-56,327	1293,000

DATA FOR LAST CROSS SECTION

	PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
24					
25					
26					
27					
28					
29	1	0.0	0.0	1.449	0.0
30	2	0.0	0.0	2.320	0.871
31	3	0.0	0.0	3.358	1.909
32	4	0.0	0.0	9.951	6.503
33					
34					
35					
36					
37					
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ERRCR CORRECTIONS 01,02,03,04,05,06,07,08
MODIFICATIONS 52,53,54,55,56,57,58

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