
 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	CHECK	INS	NINV	IDIR	STRT	METRIC	HVINS	G	WSEL	FO
	-1.	2.	0.	0.	0.026000	0.0	0.0	0.	829.100	0.0
J2	NPROF	IPLDT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	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	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0
X1	200.000	15.000	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	1090.000	824.100	1096.000	824.900	1102.000
GR	827.600	1107.000	834.800	1200.000	843.900	1300.000	0.0	0.0	0.0	0.0
QT	5.000	154.000	324.000	423.000	683.000	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	861.700	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	862.100	1200.000	860.000	1256.000	856.600	1312.000
GR	855.200	1412.000	855.200	1458.000	852.300	1463.500	851.700	1463.600	851.200	1464.000
GR	850.800	1465.000	851.200	1436.000	851.700	1466.400	852.300	1466.500	853.400	1476.000
GR	856.500	1512.000	859.500	1547.000	860.900	1600.000	863.400	1700.000	866.100	1800.000
GR	888.600	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	867.100	0.0	1200.000	862.100	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	853.800	1466.000	858.100
BT	853.100	1466.400	858.100	852.900	1466.500	858.100	852.300	1500.000	858.600	0.0
BT	1600.000	860.900	0.0	1700.000	863.400	0.0	1800.000	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 91
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1 ICHECK INQ NINV IDIR STRY METRIC HVINS Q WSEL FQ
 -10. 3. 0. 0. 0.026000 0.0 0.0 0. 830.100 0.0

J2 NPROF IPLIT 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	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	3.63	827.73	827.73	830.10	828.98	1.25	0.0	0.0	828.60
462.	0.	462.	0.	0.	51.	0.	0.	0.	827.60
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	850.35	0.0	0.0	851.71	0.82	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	846.60	1346.75
0.010328	1790.	1790.	1790.	4	0	1	0.0	16.55	1363.31

3685 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
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	INQ	NINQ	IDIR	STRT	METRIC	HVINS	Q	WSEL	EQ
	-10.	4.	0.	0.	0.026000	0.0	0.0	0.	832.100	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

CCHV= 0.100 CEHV= 0.300

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRWS	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
200.00	4.17	828.27	820.27	832.10	829.60	1.34	0.0	0.0	828.60
590.	0.	586.	4.	0.	63.	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

1990.00	4.59	851.19	850.94	0.0	852.31	1.11	22.68	0.02	851.60
423.	2.	421.	0.	3.	50.	0.	2.	2.	851.20
0.06	0.64	3.49	0.0	0.055	0.035	0.055	0.035	846.60	1286.03
0.012386	1790.	1790.	1790.	6	11	1	0.0	46.56	1363.99

2685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRWS	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

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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 NINV IOIR STRT METRIC HVINS Q WSEL FR
 -10. 5. 0. 0. 0.026000 0.0 0.0 0. 833.100 0.0

J2 NPROF IPLOT 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	CRIWS	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
200.00	5.30	829.40	829.40	833.10	830.80	1.40	0.0	0.0	828.60
913.	4.	858.	51.	3.	88.	21.	0.	0.	827.60
0.0	1.42	9.76	2.44	0.055	0.035	0.055	0.0	824.10	1077.26
0.009385	200.	200.	200.	0	11	1	0.0	53.00	1130.26

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRIWS	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
1990.00	5.67	852.27	852.27	0.0	852.82	0.55	13.34	0.0	851.60
683.	175.	483.	25.	102.	69.	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	189.52	1398.95

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

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
200.00	200.00	0.0	0.0	824.10	232.00	826.66	18.31	827.54	17.64	0.0	0.0	7.50
200.00	200.00	0.0	0.0	824.10	462.00	827.73	17.95	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	16.02	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	46.56	0.0	0.0	8.49
1990.00	1790.00	0.0	0.0	846.60	683.00	852.27	90.64	852.82	189.52	0.0	0.0	7.02
2040.00	50.00	0.0	0.0	848.70	154.00	851.80	11.46	852.18	11.69	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	91.25	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	7.34
2090.00	50.00	0.0	0.0	850.80	683.00	856.24	105.53	856.68	166.36	0.0	0.0	8.46
2147.00	57.00	857.70	853.80	850.80	154.00	858.28	679.40	850.28	248.53	0.0	0.0	0.37
2147.00	57.00	857.70	853.80	850.80	324.00	858.71	870.94	858.71	260.64	0.0	0.0	0.63
2147.00	57.00	857.70	853.80	850.80	423.00	858.86	946.62	858.87	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	858.25	68.11	858.30	156.38	0.0	0.0	1.99
2197.00	50.00	0.0	0.0	852.90	324.00	858.64	96.73	858.75	196.17	0.0	0.0	3.16
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	4.35
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	8.86
2247.00	50.00	0.0	0.0	855.00	423.00	859.34	33.47	860.70	18.84	0.0	0.0	9.35
2247.00	50.00	0.0	0.0	855.00	683.00	860.67	90.66	861.22	189.54	0.0	0.0	7.02
3540.00	1293.00	0.0	0.0	873.20	64.00	875.61	4.56	876.35	6.76	0.0	0.0	6.93
3540.00	1293.00	0.0	0.0	873.20	147.00	877.06	16.14	877.70	38.45	0.0	0.0	6.72
3540.00	1293.00	0.0	0.0	873.20	200.00	877.46	22.97	878.05	50.63	0.0	0.0	6.99
3540.00	1293.00	0.0	0.0	873.20	347.00	878.03	38.80	878.67	63.08	0.0	0.0	8.04
SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELR	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	-4.805	200.000				
200.000	590.000	828.266	0.540	0.0	0.0	30.188	-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	1.078	22.867	0.0	189.517	-176.458	1790.000				

2040.000	154.000	851.299	0.0	1.656	0.0	11.687	0.0	50.000
2040.000	324.000	852.499	1.200	1.648	0.0	15.233	-3.546	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	14.334	0.0	50.000
2090.000	324.000	855.749	1.166	3.251	0.0	114.721	-100.390	50.000
2090.000	423.000	855.950	0.201	2.968	0.0	135.622	-121.292	50.000
2090.000	683.000	856.245	0.295	1.872	0.0	166.364	-152.033	50.000
2147.000	154.000	858.282	0.0	3.699	0.0	248.531	0.0	57.000
2147.000	324.000	858.710	0.428	2.961	0.0	260.641	-12.110	57.000
2147.000	423.000	858.865	0.155	2.915	0.0	265.051	-16.520	57.000
2147.000	683.000	859.197	0.332	2.952	0.0	274.589	-25.858	57.000
2197.000	154.000	858.248	0.0	-0.034	0.0	156.375	0.0	50.000
2197.000	324.000	858.638	0.390	-0.072	0.0	196.174	-39.798	50.000
2197.000	423.000	858.772	0.134	-0.093	0.0	203.107	-46.731	50.000
2197.000	683.000	859.059	0.287	-0.138	0.0	210.971	-54.596	50.000
2247.000	154.000	857.914	0.0	-0.334	0.0	32.624	0.0	50.000
2247.000	324.000	858.801	0.887	0.163	0.0	15.242	-2.618	50.000
2247.000	423.000	859.342	0.541	0.571	0.0	16.841	-4.217	50.000
2247.000	683.000	860.667	1.324	1.608	0.0	189.542	-176.918	50.000
3540.000	64.000	875.613	0.0	17.699	0.0	6.756	0.0	1293.000
3540.000	147.000	877.084	1.471	18.283	0.0	38.451	-31.696	1293.000
3540.000	200.000	877.457	0.373	18.115	0.0	50.628	-43.072	1293.000
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
1	0.0		0.0	1.449	0.0
2	0.0		0.0	2.320	0.871
3	0.0		0.0	3.358	1.909
4	0.0		0.0	9.951	8.503

THE VILLAGE STORE