
 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 4T
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES H-G JOB NO. 6918
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	MINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FR
	-1.	2.	0.	0.	0.029000	0.0	0.0	0.	829.500	0.0
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIP	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	29.000	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	355.000	624.000	762.000	1094.000	762.000	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	275.000	11.000	1230.000	1236.000	275.000	275.000	275.000	0.0	0.0	0.0
GR	840.600	1000.000	836.200	1100.000	829.900	1200.000	826.600	1230.000	820.500	1236.000
GR	824.300	1236.000	827.200	1238.000	826.900	1300.000	833.500	1400.000	836.800	1500.000
GR	842.600	1595.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	226.000	419.000	524.000	786.000	524.000	0.0	0.0	0.0	0.0
X1	1015.000	12.000	1111.000	1123.000	740.000	740.000	740.000	0.0	0.0	0.0
GR	859.300	1000.000	850.700	1023.000	846.000	1100.000	844.600	1111.000	837.600	1113.000
GR	836.400	1115.000	837.600	1120.000	844.600	1123.000	845.000	1200.000	848.000	1300.000
GR	853.700	1400.000	859.300	1495.000	0.0	0.0	0.0	0.0	0.0	0.0
X1	1065.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	1.700	0.0
NC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	1115.000	18.000	1144.000	1146.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	862.400	1000.000	861.700	1011.000	852.900	1033.000	848.000	1100.000	845.200	1141.000
GR	839.300	1143.000	839.100	1144.000	838.300	1144.500	838.100	1146.000	838.300	1148.500
GR	839.100	1146.000	839.300	1150.000	844.900	1153.000	845.000	1200.000	846.700	1300.000
GR	850.700	1400.000	857.400	1500.000	862.400	1557.000	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	2.000	0.010	3.140	0.0	0.0	0.0
X1	1175.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	840.100	845.900	0.0	0.0	0.0	0.0	0.0
BT	14.000	1000.000	862.400	0.0	1011.000	861.700	0.0	1033.000	852.900	0.0
BT	1100.000	848.000	0.0	1144.000	845.900	839.100	1144.500	845.900	839.900	1145.000
BT	845.900	840.100	1145.500	845.900	839.900	1146.000	845.900	839.100	1200.000	845.000
BT	0.0	1300.000	846.700	0.0	1400.000	850.700	0.0	1500.000	857.400	0.0
BT	1557.000	862.400	0.0	0.0	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	1225.000	12.000	1111.000	1123.000	50.000	50.000	50.000	0.0	2.400	0.0
GR	859.300	1000.000	850.700	1023.000	846.000	1100.000	844.600	1111.000	837.600	1113.000
GR	836.400	1115.000	837.600	1120.000	844.600	1123.000	845.000	1200.000	848.000	1300.000

GR	853,700	1400,000	859,300	1495,000	0.0	0.0	0.0	0.0	0.0	0.0
X1	1275,000	0.0	0.0	0.0	50,000	50,000	50,000	0.0	1,700	0.0
EJ	0.0	0.0	0.0	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	XLN	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
275.00	3.67	827.97	827.97	829.30	828.45	0.48	0.0	0.0	826.30
355.	13.	171.	170.	7.	23.	66.	0.	0.	827.20
0.0	1.99	7.56	2.60	0.055	0.035	0.055	0.0	824.30	1218.69
0.011224	275.	275.	275.	0	16	1	0.0	97.50	1316.19

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	XLN	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
1015.00	3.71	838.41	838.41	0.0	839.78	1.37	10.39	0.0	842.90
226.	0.	226.	0.	0.	24.	0.	1.	1.	842.90
0.02	0.0	9.40	0.0	0.055	0.035	0.055	0.035	834.70	1112.28
0.021209	740.	740.	740.	4	5	1	0.0	8.79	1121.08

3685 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	XLN	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
1065.00	3.70	840.10	840.10	0.0	841.48	1.38	1.07	0.0	844.50
226.	0.	226.	0.	0.	24.	0.	1.	1.	844.50
0.02	0.0	9.44	0.0	0.055	0.035	0.055	0.035	836.40	1112.29
0.021422	50.	50.	50.	30	5	1	0.0	8.79	1121.07

CCHV= 0.100 CEHV= 0.300

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

 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 4T
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES H-6 JOB NO. 6918
 T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	3.	0.	0.	0.029000	0.0	0.0	0.	830.300	0.0
J2	NPROF	IPL0T	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

5720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	WSEL	CRWS	WSELK	EG	HV	HL	QLOSS	BANK ELEV
Q	QLOSS	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
275.00	4.14	826.44	826.44	830.30	828.96	0.53	0.0	0.0	826.80
634.	34.	228.	362.	13.	27.	105.	0.	0.	327.20
0.0	2.57	2.51	3.46	0.055	0.035	0.055	0.0	824.30	1214.05
0.011955	275.	275.	275.	0	18	1	0.0	109.31	1323.40

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	WSEL	CRWS	WSELK	EG	HV	HL	QLOSS	BANK ELEV
Q	QLOSS	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
1015.00	5.16	839.86	839.86	0.0	841.80	1.94	11.01	0.0	842.90
419.	0.	419.	0.	0.	37.	0.	2.	1.	842.90
0.02	0.0	11.18	0.0	0.055	0.035	0.055	0.035	834.70	1111.87
0.022074	740.	740.	740.	7	11	1	0.0	9.83	1121.70

3685 20 TRIALS USED WSEL, WSEL

7185 MIN SPECIFIC ENERGY

 TEC2 VERSION UPDATED JAN 1975
 ERROR CORRECTIONS 01,02,03,04,05,06,07,09
 MODIFICATIONS 52,53,54,55,56,57,58

T1 THOMASVILLE-DAVIDSON CO. SIRM 4Y
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INO	NINV	ICIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	4.	0.	0.	0.029000	0.0	0.0	0.	832.300	0.0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLOC	IBW	CHNIX	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	CRTWS	WSELK	EG	HV	HL	QLOSS	BANK ELEV
0	WLOB	WCHR	WROB	WLOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	COBAR	TOPWID	ENDST
275.00	4.26	828.56	828.56	032.30	829.21	0.65	0.0	0.0	826.80
762.	44.	265.	455.	15.	27.	115.	0.	0.	827.20
0.0	2.93	9.58	3.96	0.055	0.035	0.055	0.0	824.30	1212.93
0.014007	275.	275.	275.	0	11	1	0.0	112.27	1325.20

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	WSEL	CRTWS	WSELK	EG	HV	HL	QLOSS	BANK ELEV
0	WLOB	WCHR	WROB	WLOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	COBAR	TOPWID	ENDST
1015.00	5.84	840.54	840.54	0.0	842.71	2.17	12.34	0.0	842.90
524.	0.	524.	0.	0.	44.	0.	2.	1.	842.90
0.02	0.0	11.81	0.0	0.055	0.035	0.055	0.035	834.70	1111.87
0.022142	740.	740.	740.	3	11	1	0.0	10.31	1121.99

3685 20 TRIALS USED WSEL, WSEL

7185 MIN SPECIFIC ENERGY

 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 4T
 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	FG
	-10.	5.	0.	0.	0.029000	0.0	0.0	0.	833.300	0.0
J2	NPROF	IPLDT	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= 0.100 CEHV= 0.300

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	QLOSS	BANK ELEV
Q	XLOB	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
275.00	4.61	828.91	828.91	833.30	829.68	0.77	0.0	0.0	826.80
1094.	75.	326.	693.	22.	30.	145.	0.	0.	827.20
0.0	3.49	10.80	4.75	0.055	0.035	0.055	0.0	824.30	1209.59
0.015652	275.	270.	275.	0	11	1	0.0	120.85	1330.44

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	QLOSS	BANK ELEV
Q	XLOB	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
1015.00	7.26	841.96	841.96	0.0	844.64	2.68	13.44	0.0	342.0
785.	0.	785.	0.	0.	60.	0.	2.	1.	84.0
0.02	0.0	13.14	0.0	0.055	0.035	0.055	0.035	834.70	1114.87
0.022818	740.	740.	740.	3	14	1	0.0	11.33	1122.60

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 GROUND	MIN EL DISCHARGE (CFS)	CKSEL	TG	EG	TOPWID	STENCL	STENCL	VCH
275.00	275.00	0.0	824.30	355.00	827.97	33.51	828.45	97.50	0.0	0.0	7.56
275.00	275.00	0.0	824.30	624.00	828.44	57.31	828.98	109.31	0.0	0.0	8.51
275.00	275.00	0.0	824.30	762.00	828.56	64.38	829.21	112.27	0.0	0.0	9.58
275.00	275.00	0.0	824.30	1094.00	828.91	87.44	829.68	120.85	0.0	0.0	10.90
1015.00	740.00	0.0	834.70	226.00	838.41	15.52	839.78	8.75	0.0	0.0	9.40
1015.00	740.00	0.0	834.70	419.00	839.86	28.20	841.60	9.83	0.0	0.0	11.18
1015.00	740.00	0.0	834.70	524.00	840.54	35.21	842.70	10.31	0.0	0.0	12.81
1015.00	740.00	0.0	834.70	785.00	841.96	51.97	844.64	11.33	0.0	0.0	13.14
1065.00	50.00	0.0	836.40	226.00	840.10	15.44	841.48	8.79	0.0	0.0	9.44
1065.00	50.00	0.0	836.40	419.00	841.56	28.28	843.45	9.63	0.0	0.0	11.15
1065.00	50.00	0.0	836.40	524.00	842.23	35.12	844.40	10.31	0.0	0.0	11.34
1065.00	50.00	0.0	836.40	785.00	843.67	52.14	845.34	11.34	0.0	0.0	13.11
1115.00	50.00	0.0	838.10	226.00	842.02	25.60	843.35	9.38	0.0	0.0	9.43
1115.00	50.00	0.0	838.10	419.00	843.43	49.95	845.29	10.61	0.0	0.0	11.16
1115.00	50.00	0.0	838.10	524.00	844.07	63.52	846.16	11.17	0.0	0.0	11.92
1115.00	50.00	0.0	838.10	785.00	846.52	227.57	846.74	167.01	0.0	0.0	6.54
1175.00	60.00	845.90	838.10	226.00	846.21	182.82	846.24	144.87	0.0	0.0	3.22
1175.00	60.00	845.90	838.10	419.00	846.61	245.60	846.67	174.79	0.0	0.0	3.16
1175.00	60.00	845.90	838.10	524.00	846.78	277.24	846.84	184.10	0.0	0.0	3.35
1175.00	60.00	845.90	838.10	785.00	847.16	367.81	847.25	199.36	0.0	0.0	4.13
1225.00	50.00	0.0	839.30	226.00	845.01	39.36	846.35	10.58	0.0	0.0	4.68
1225.00	50.00	0.0	839.30	419.00	845.60	37.00	847.08	10.43	0.0	0.0	4.10
1225.00	50.00	0.0	839.30	524.00	845.63	55.11	847.80	10.31	0.0	0.0	11.84
1225.00	50.00	0.0	839.30	785.00	845.00	99.48	849.84	115.65	0.0	0.0	8.01
1275.00	50.00	0.0	841.50	226.00	845.93	21.49	846.78	3.31	0.0	0.0	7.39
1275.00	50.00	0.0	841.50	419.00	845.66	28.24	847.50	3.33	0.0	0.0	8.17
1275.00	50.00	0.0	841.50	524.00	847.35	35.13	848.50	10.31	0.0	0.0	11.94
1275.00	50.00	0.0	841.50	785.00	850.65	97.04	851.84	114.84	0.0	0.0	5.17
SECTION NUMBER	DISCHARGE CFS	CKSEL	CMSL DIFF EACH Q	CMSL DIFF EACH SECTION	CMSL-USELK	TOPWID	T.W. DIFF	LENGTH			
275.000	355.000	827.968	0.0	0.0	827.968	97.500	0.0	275.000			
275.000	624.000	828.444	0.476	0.0	828.444	109.314	-11.846	275.000			
275.000	762.000	828.563	0.119	0.0	828.563	112.272	-18.772	275.000			
275.000	1094.000	828.908	0.345	0.0	828.908	120.849	-23.349	275.000			
1015.000	226.000	838.411	0.0	10.443	838.411	8.794	0.0	740.000			
1015.000	419.000	839.855	1.444	11.412	839.855	9.826	-1.032	740.000			
1015.000	524.000	840.537	0.682	11.974	840.537	10.313	-1.313	740.000			
1015.000	785.000	841.959	1.422	13.051	841.959	11.325	-2.535	740.000			
1065.000	226.000	840.101	0.0	1.690	840.101	6.707	0.0	50.000			
1065.000	419.000	841.564	1.463	1.708	841.564	9.632	-1.045	50.000			
1065.000	524.000	842.229	0.665	1.691	842.229	10.307	-1.520	50.000			
1065.000	785.000	843.673	1.444	1.714	843.673	11.349	-2.052	50.000			

1115.000	226.000	842.019	0.0	1.918	0.0	9.379	0.0	50.000
1115.000	419.000	843.426	1.407	1.852	0.0	10.609	-1.230	50.000
1115.000	524.000	844.069	0.643	1.840	0.0	11.171	-1.793	50.000
1115.000	785.000	846.519	2.451	2.846	0.0	167.012	-157.634	50.000
1175.000	226.000	846.208	0.0	4.189	0.0	144.868	0.0	60.000
1175.000	419.000	846.615	0.407	3.189	0.0	174.791	-29.928	60.000
1175.000	524.000	846.778	0.163	2.709	0.0	184.096	-39.229	60.000
1175.000	785.000	847.163	0.385	0.644	0.0	199.356	-54.488	60.000
1225.000	226.000	846.010	0.0	-0.198	0.0	10.581	0.0	50.000
1225.000	419.000	845.797	-0.214	-0.818	0.0	10.430	0.151	50.000
1225.000	524.000	845.628	-0.169	-1.150	0.0	10.307	0.275	50.000
1225.000	785.000	848.996	3.368	1.833	0.0	116.691	-106.110	50.000
1275.000	226.000	845.931	0.0	-0.179	0.0	9.318	0.0	50.000
1275.000	419.000	846.659	0.728	0.663	0.0	9.829	-0.519	50.000
1275.000	524.000	847.329	0.670	1.701	0.0	10.307	-0.997	50.000
1275.000	785.000	850.650	3.321	1.655	0.0	114.841	-105.531	50.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.0	0.0	1.130	0.0
2	0.0	0.0	1.281	0.150
3	0.0	0.0	1.323	0.193
4	0.0	0.0	1.605	0.674

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

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