
 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 317
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-10.	3.	0.	0.	0.018000	0.0	0.0	0.	857.900	0.0
J2	NPROF	IPLOT	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	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
200.00	3.45	855.35	855.35	857.90	855.93	0.58	0.0	0.0	855.30
164.	38.	86.	40.	12.	11.	14.	0.	0.	853.40
0.0	3.18	7.92	2.91	0.055	0.035	0.055	0.0	851.90	1098.12
0.012078	200.	200.	200.	0	11	1	0.0	30.01	1128.12
250.00	3.86	856.06	0.0	0.0	856.36	0.30	0.40	0.03	853.60
164.	44.	75.	46.	17.	13.	20.	0.	0.	853.70
0.00	2.54	5.93	2.25	0.055	0.035	0.055	0.034	852.20	1095.07
0.005626	50.	50.	50.	2	0	1	0.0	36.03	1131.10

CCHV= 0.100 CEHV= 0.300

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
300.00	3.26	857.46	857.46	0.0	857.96	0.51	0.30	0.0	855.50
164.	52.	55.	57.	11.	8.	12.	0.	0.	855.50

 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 31T
 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	FG
	-10.	4.	0.	0.	0.018000	0.0	0.0	0.	859.900	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	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	3.71	855.61	855.61	859.90	856.27	0.66	0.0	0.0	853.30
216.	55.	104.	57.	15.	12.	18.	0.	0.	853.40
0.0	3.66	8.70	3.26	0.055	0.035	0.055	0.0	851.90	1096.25
0.012958	200.	200.	200.	0	18	1	0.0	33.70	1129.95
250.00	4.19	856.39	0.0	0.0	856.71	0.32	0.41	0.03	853.60
216.	63.	88.	65.	23.	14.	26.	0.	0.	853.70
0.00	2.79	6.36	2.47	0.055	0.035	0.055	0.034	852.20	1092.64
0.005670	50.	50.	50.	2	0	1	0.0	40.83	1133.47

CCHV= 0.100 CEHV= 0.300

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

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
300.00	3.52	857.72	857.72	0.0	858.27	0.55	0.29	0.0	855.50
216.	74.	63.	79.	14.	8.	16.	0.	0.	855.50

 HEC2 VERSION UPDATED JAN 1975
 ERROR CORRECTIONS 01,02,03,04,09,06,07,08
 MODIFICATIONS 52,53,54,55,56,57,58

T1 THOMASVILLE-DAVIDSON CO. STRM 31T
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 4918
 T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	ING	NINW	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-10.	5.	0.	0.	0.018000	0.0	0.0	0.	860.900	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

200.00	4.29	856.19	856.19	860.90	856.94	0.75	0.0	0.0	853.30
352.	105.	140.	107.	24.	14.	28.	0.	0.	853.40
0.0	4.32	9.81	3.82	0.055	0.035	0.055	0.0	851.90	1091.94
0.013002	200.	200.	200.	0	15	1	0.0	42.22	1134.15

250.00	4.82	857.02	0.0	0.0	857.40	0.38	0.43	0.04	853.60
352.	115.	120.	117.	35.	16.	40.	0.	0.	853.70
0.00	3.28	7.34	2.93	0.055	0.035	0.055	0.034	852.20	1087.98
0.006045	50.	50.	50.	2	0	1	0.0	50.03	1138.01

CCHV= 0.100 CEHV= 0.300

3605 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

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

300.00	3.99	858.19	858.19	0.0	858.89	0.69	0.31	0.0	855.50
352.	133.	81.	138.	21.	10.	24.	0.	0.	855.50

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	
163	200.00	200.00	0.0	0.0	851.90	80.00	854.67	7.12	855.17	20.81	0.0	0.0	6.68
200.00	200.00	0.0	0.0	851.90	164.00	855.35	14.92	855.93	30.01	0.0	0.0	7.92	
200.00	200.00	0.0	0.0	851.90	216.00	855.61	18.98	856.27	33.70	0.0	0.0	8.70	
200.00	200.00	0.0	0.0	851.90	352.00	856.19	30.87	856.94	42.22	0.0	0.0	9.81	
213	250.00	50.00	0.0	0.0	852.20	80.00	855.35	10.89	855.59	25.64	0.0	0.0	4.89
250.00	50.00	0.0	0.0	852.20	164.00	856.06	21.86	856.36	36.03	0.0	0.0	5.93	
250.00	50.00	0.0	0.0	852.20	216.00	856.39	28.68	856.71	40.83	0.0	0.0	6.36	
250.00	50.00	0.0	0.0	852.20	352.00	857.02	45.27	857.40	50.03	0.0	0.0	7.34	
203	300.00	50.00	0.0	0.0	854.20	80.00	856.84	9.48	857.29	19.18	0.0	0.0	6.59
300.00	50.00	0.0	0.0	854.20	164.00	857.46	20.62	857.96	27.12	0.0	0.0	7.35	
300.00	50.00	0.0	0.0	854.20	216.00	857.71	27.66	858.27	30.94	0.0	0.0	7.63	
300.00	50.00	0.0	0.0	854.20	352.00	858.19	44.34	858.89	38.00	0.0	0.0	8.55	
317	345.00	45.00	859.60	856.80	854.20	80.00	860.19	178.67	860.19	67.45	0.0	0.0	0.65
345.00	45.00	859.60	856.80	854.20	164.00	860.85	251.17	860.86	77.20	0.0	0.0	1.07	
345.00	45.00	859.60	856.80	854.20	216.00	861.09	282.61	861.11	80.88	0.0	0.0	1.23	
345.00	45.00	859.60	856.80	854.20	352.00	861.56	346.30	861.58	87.59	0.0	0.0	1.71	
362	395.00	50.00	0.0	0.0	854.50	80.00	860.19	76.61	860.19	62.66	0.0	0.0	1.12
395.00	50.00	0.0	0.0	854.50	164.00	860.84	108.05	860.86	72.31	0.0	0.0	1.77	
395.00	50.00	0.0	0.0	854.50	216.00	861.09	121.58	861.12	75.91	0.0	0.0	2.13	
395.00	50.00	0.0	0.0	854.50	352.00	861.55	149.75	861.60	82.66	0.0	0.0	2.97	
417	445.00	50.00	0.0	0.0	854.80	80.00	860.19	64.65	860.20	58.32	0.0	0.0	1.27
445.00	50.00	0.0	0.0	854.80	164.00	860.85	93.23	860.88	68.03	0.0	0.0	1.98	
445.00	50.00	0.0	0.0	854.80	216.00	861.10	105.70	861.14	71.66	0.0	0.0	2.37	
445.00	50.00	0.0	0.0	854.80	352.00	861.57	131.99	861.64	78.51	0.0	0.0	3.26	
472	500.00	55.00	0.0	0.0	858.20	63.00	861.62	4.75	862.07	19.67	0.0	0.0	6.33
500.00	55.00	0.0	0.0	858.20	132.00	862.25	10.19	862.72	29.58	0.0	0.0	7.29	
500.00	55.00	0.0	0.0	858.20	175.00	862.49	13.24	863.00	37.45	0.0	0.0	7.86	
500.00	55.00	0.0	0.0	858.20	291.00	863.00	21.54	863.59	41.52	0.0	0.0	8.89	
522	550.00	50.00	0.0	0.0	859.40	63.00	862.85	4.93	863.27	20.10	0.0	0.0	6.15
550.00	50.00	0.0	0.0	859.40	132.00	863.38	9.47	863.92	28.54	0.0	0.0	7.72	
550.00	50.00	0.0	0.0	859.40	175.00	863.62	12.29	864.21	32.31	0.0	0.0	8.34	
550.00	50.00	0.0	0.0	859.40	291.00	864.17	20.86	864.79	40.95	0.0	0.0	9.12	
572	600.00	50.00	0.0	0.0	861.50	63.00	863.36	27.82	863.38	65.32	0.0	0.0	0.99
600.00	50.00	0.0	0.0	861.50	132.00	864.00	67.90	864.03	92.94	0.0	0.0	1.17	
600.00	50.00	0.0	0.0	861.50	175.00	864.29	93.06	864.32	105.02	0.0	0.0	1.26	
600.00	50.00	0.0	0.0	861.50	291.00	864.86	160.29	864.90	129.43	0.0	0.0	1.44	
618	646.00	46.00	868.20	864.80	861.50	63.00	863.36	28.09	863.38	65.57	0.0	0.0	0.98
646.00	46.00	868.20	864.80	861.50	132.00	864.00	68.17	864.03	93.08	0.0	0.0	1.17	
646.00	46.00	868.20	864.80	861.50	175.00	864.29	93.30	864.32	105.13	0.0	0.0	1.26	
646.00	46.00	868.20	864.80	861.50	291.00	870.05	2348.15	870.05	249.14	0.0	0.0	0.21	

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	
669	696.00	50.00	0.0	0.0	863.40	63.00	866.83	4.80	867.27	19.79	0.0	0.0	6.28
	696.00	50.00	0.0	0.0	863.40	132.00	867.38	9.46	867.92	28.53	0.0	0.0	7.73
	696.00	50.00	0.0	0.0	863.40	175.00	867.65	12.67	868.20	32.78	0.0	0.0	8.14
	696.00	50.00	0.0	0.0	863.40	291.00	870.01	77.97	870.07	71.49	0.0	0.0	3.21
718	746.00	50.00	0.0	0.0	864.60	63.00	868.04	4.90	868.47	20.04	0.0	0.0	6.18
	746.00	50.00	0.0	0.0	864.60	132.00	868.62	9.91	869.12	29.18	0.0	0.0	7.45
	746.00	50.00	0.0	0.0	864.60	175.00	868.85	12.65	869.40	32.75	0.0	0.0	8.15
	746.00	50.00	0.0	0.0	864.60	291.00	870.01	35.34	870.26	51.14	0.0	0.0	6.01
SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH					
200,000	80,000	854.671	0.0	0.0	0.0	20.813	0.0	200,000					
200,000	164,000	855.354	0.683	0.0	0.0	30.007	-9.194	200,000					
200,000	216,000	855.605	0.252	0.0	0.0	33.698	-12.885	200,000					
200,000	352,000	856.188	0.583	0.0	0.0	42.215	-21.402	200,000					
250,000	80,000	855.352	0.0	0.681	0.0	25.602	0.0	50,000					
250,000	164,000	856.063	0.711	0.709	0.0	36.028	-10.346	50,000					
250,000	216,000	856.390	0.327	0.784	0.0	40.834	-15.152	50,000					
250,000	352,000	857.016	0.626	0.828	0.0	50.031	-24.349	50,000					
300,000	80,000	856.844	0.0	1.492	0.0	19.180	0.0	50,000					
300,000	164,000	857.456	0.613	1.393	0.0	27.125	-7.945	50,000					
300,000	216,000	857.715	0.259	1.325	0.0	30.541	-11.761	50,000					
300,000	352,000	858.194	0.479	1.178	0.0	38.001	-18.821	50,000					
345,000	80,000	860.186	0.0	3.343	0.0	67.448	0.0	45,000					
345,000	164,000	860.847	0.661	3.391	0.0	77.203	-9.755	45,000					
345,000	216,000	861.094	0.247	3.379	0.0	80.875	-13.427	45,000					
345,000	352,000	861.557	0.463	3.363	0.0	87.588	-20.140	45,000					
395,000	80,000	860.186	0.0	-0.001	0.0	62.663	0.0	50,000					
395,000	164,000	860.845	0.659	-0.002	0.0	72.313	-9.650	50,000					
395,000	216,000	861.091	0.246	-0.003	0.0	75.911	-13.248	50,000					
395,000	352,000	861.551	0.460	-0.006	0.0	82.656	-19.993	50,000					
445,000	80,000	860.190	0.0	0.004	0.0	58.323	0.0	50,000					
445,000	164,000	860.854	0.664	0.009	0.0	68.025	-9.703	50,000					
445,000	216,000	861.104	0.249	0.013	0.0	71.660	-13.338	50,000					
445,000	352,000	861.574	0.471	0.023	0.0	78.508	-20.186	50,000					
500,000	63,000	861.621	0.0	1.431	0.0	19.669	0.0	55,000					
500,000	132,000	862.247	0.627	1.393	0.0	29.502	-9.913	55,000					
500,000	175,000	862.492	0.245	1.389	0.0	33.448	-13.779	55,000					
500,000	291,000	863.003	0.511	1.429	0.0	41.524	-21.855	55,000					
550,000	63,000	862.848	0.0	1.228	0.0	20.105	0.0	50,000					
550,000	132,000	863.382	0.534	1.134	0.0	28.540	-8.435	50,000					
550,000	175,000	863.621	0.239	1.128	0.0	32.313	-12.209	50,000					
550,000	291,000	864.167	0.546	1.164	0.0	40.949	-20.844	50,000					
600,000	63,000	863.355	0.0	0.508	0.0	65.321	0.0	50,000					
600,000	132,000	864.004	0.649	0.623	0.0	92.938	-27.617	50,000					
600,000	175,000	864.289	0.284	0.668	0.0	105.023	-39.702	50,000					
600,000	291,000	864.863	0.574	0.696	0.0	129.435	-64.114	50,000					
646,000	63,000	863.355	0.0	0.0	0.0	65.575	0.0	46,000					

646.000	132.000	864.004	0.649	0.0	0.0	93.083	-27.508	46.000
646.000	175.000	864.289	0.284	0.0	0.0	105.129	-39.555	46.000
646.000	291.000	870.051	5.763	5.188	0.0	249.136	-183.561	46.000
696.000	63.000	866.829	0.0	3.473	0.0	19.792	0.0	50.000
696.000	132.000	867.381	0.553	3.377	0.0	28.532	-8.740	50.000
696.000	175.000	867.650	0.269	3.361	0.0	32.776	-12.984	50.000
696.000	291.000	870.007	2.357	-0.044	0.0	71.487	-51.695	50.000
746.000	63.000	868.044	0.0	1.216	0.0	20.039	0.0	50.000
746.000	132.000	868.622	0.578	1.241	0.0	29.177	-9.137	50.000
746.000	175.000	868.848	0.226	1.198	0.0	32.749	-12.710	50.000
746.000	291.000	870.012	1.164	0.009	0.0	51.144	-31.104	50.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.0	0.0	0.503	0.0
2	0.0	0.0	0.660	0.157
3	0.0	0.0	0.727	0.224
4	0.0	0.0	1.034	0.530

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76