
 HEC2 VERSION UPDATED JAN 1975
 ERROR CORRECTIONS 21,02,03,04,05,06,07,08
 MODIFICATIONS 52,53,54,55,56,57,58

T1 THOMASVILLE-DAVIDSON CO. STRM 32T
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	MINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	3.	0.	0.	0.010000	0.0	0.0	0.	867.200	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

SECD0	DEPTH	CWSFL	CRWS	WSELK	EG	HV	HL	LOSS	BANK ELEV
Q	GLOB	GCH	GROB	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	2.13	863.33	0.0	867.20	863.73	0.40	0.0	0.0	864.00
142.	0.	142.	0.	0.	28.	0.	0.	0.	863.10
0.0	0.0	5.10	0.93	0.055	0.035	0.035	0.0	861.20	1234.64
0.007839	300.	300.	300.	0	0	7	0.0	22.88	1257.52

350.00	2.23	863.83	0.0	0.0	864.18	0.35	0.44	0.01	864.40
142.	0.	141.	1.	0.	30.	1.	0.	0.	863.50
0.00	0.0	4.76	1.12	0.055	0.035	0.035	0.054	861.60	1234.27
0.008051	50.	50.	50.	0	0	1	0.0	24.25	1258.53

CCHV= 0.100 CEHV= 0.300
 3885 20 TRIALS USED WSEL,CWSFL

7185 MIN SPECIFIC ENERGY

5720 ASSUMED CRITICAL DEPTH

SECD0	DEPTH	CWSFL	CRWS	WSELK	EG	HV	HL	LOSS	BANK ELEV
Q	GLOB	GCH	GROB	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
400.00	2.03	865.03	865.03	0.0	865.28	0.25	0.40	0.0	863.70
142.	0.	15.	29.	27.	3.	7.	0.	0.	863.70
0.01	3.58	5.94	4.20	0.025	0.025	0.025	0.029	863.00	1176.69
0.007930	50.	50.	50.	30	10	1	0.0	68.47	1245.16

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T1 THOMASVILLE-DAVIDSON CO. STRM 32T
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 691B
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	DIIV	IDTR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	4.	0.	0.	0.01000	0.0	0.0	0.	869.200	0.0
J2	NPROF	IPLOT	PREVS	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

3265 DIVIDED FLOW

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	ENUST
300.00	2.41	863.61	863.39	869.20	864.10	0.49	0.0	0.0	864.00
193.	0.	190.	2.	1.	34.	1.	0.	0.	863.10
0.0	0.40	5.64	1.71	0.055	0.035	0.035	0.0	86.20	1198.10
0.007997	300.	300.	00.	0	14	1	0.0	36.17	1260.63

3265 DIVIDED FLOW

350.00	2.55	864.15	0.0	0.0	864.54	0.40	0.43	0.01	864.40
193.	1.	190.	4.	2.	37.	2.	0.	0.	863.50
0.00	0.59	5.11	1.74	0.055	0.035	0.035	0.034	861.60	1196.00
0.007534	50.	50.	50.	2	0	1	0.0	49.00	1262.31

CCHV= 0.100 CEHV= 0.300
 3685 20 TRIALS USED WSEL,CWSEL

7185 410 SPECIFIC ENERGY

5720 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	ENUST

 HEC2 VERSION UPDATED JAN 1975
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T1 THOMASVILLE-DAVIDSON CO. STRM 32T
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	THQ	MINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	5.	0.	0.	0.010000	0.0	0.0	0.	870.200	0.00

J2	NPROF	IPLOT	PROFS	XSECV	XSECH	FN	ALLDC	IBW	CHNAM	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	CWSFL	CRIMS	WSELK	EG	HV	HL	LOSS	BANK ELEV
Q	SLOB	ACH	GROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CCRAR	TOPWID	ENDST
307.00	2.93	864.18	864.18	870.20	864.74	0.56	0.0	0.0	864.00
337.	25.	295.	17.	17.	46.	6.	0.	0.	863.10
0.0	1.42	6.36	2.68	0.055	0.035	0.035	0.0	861.20	1187.08
0.008108	300.	300.	300.	0	17	1	0.0	77.75	1268.82
350.00	3.19	864.70	0.0	0.0	865.14	0.45	0.40	0.01	854.40
337.	32.	294.	20.	23.	49.	8.	0.	0.	863.50
0.00	1.44	5.72	2.51	0.055	0.035	0.035	0.034	861.60	1187.11
0.006944	50.	50.	50.	2	0	1	0.0	81.05	1268.16

CCHV= 0.100 CEHV= 0.300
 3685 20 TRIALS USED WSEL,CWSEL

7185 314 SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSFL	CRIMS	WSELK	EG	HV	HL	LOSS	BANK ELEV
Q	SLOB	ACH	GROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CCRAR	TOPWID	ENDST
400.00	2.47	865.47	865.47	0.0	865.80	0.33	0.35	0.0	853.70
337.	248.	30.	68.	56.	5.	15.	0.	0.	863.70

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
A 300.00	300.00	0.0	0.0	861.20	61.00	862.65	6.15	862.90	16.02	0.0	0.0	4.01
300.00	300.00	0.0	0.0	861.20	142.00	863.33	14.32	863.73	22.88	0.0	0.0	5.10
300.00	300.00	0.0	0.0	861.20	193.00	863.61	19.30	864.10	36.17	0.0	0.0	5.64
300.00	300.00	0.0	0.0	861.20	337.00	864.18	35.31	864.73	77.75	0.0	0.0	6.36
350.00	50.00	0.0	0.0	861.60	61.00	863.13	6.93	863.34	16.67	0.0	0.0	3.67
350.00	50.00	0.0	0.0	861.60	142.00	863.83	15.83	864.18	24.25	0.0	0.0	4.76
350.00	50.00	0.0	0.0	861.60	193.00	864.15	22.15	864.54	49.00	0.0	0.0	5.11
350.00	50.00	0.0	0.0	861.60	337.00	864.70	40.44	865.14	81.05	0.0	0.0	5.78
400.00	50.00	0.0	0.0	863.00	61.00	864.74	7.05	864.93	51.75	0.0	0.0	5.16
400.00	50.00	0.0	0.0	863.00	142.00	865.03	15.95	865.28	68.47	0.0	0.0	5.94
400.00	50.00	0.0	0.0	863.00	193.00	865.13	20.22	865.45	73.73	0.0	0.0	6.59
400.00	50.00	0.0	0.0	863.00	337.00	865.47	40.49	865.80	103.49	0.0	0.0	6.42
420.00	20.00	864.40	864.40	863.00	61.00	865.16	21.69	865.19	75.38	0.0	0.0	1.96
420.00	20.00	864.40	864.40	863.00	142.00	865.50	42.55	865.55	106.15	0.0	0.0	2.59
420.00	20.00	864.40	864.40	863.00	193.00	865.55	54.53	865.71	120.19	0.0	0.0	2.87
420.00	20.00	864.40	864.40	863.00	337.00	865.99	90.15	866.08	152.47	0.0	0.0	3.30
470.00	50.00	0.0	0.0	864.40	61.00	865.62	4.35	866.04	14.32	0.0	0.0	5.16
470.00	50.00	0.0	0.0	864.40	142.00	866.28	10.64	866.88	19.29	0.0	0.0	6.23
470.00	50.00	0.0	0.0	864.40	193.00	866.59	15.36	867.27	23.84	0.0	0.0	6.60
470.00	50.00	0.0	0.0	864.40	337.00	867.33	35.53	867.93	77.96	0.0	0.0	6.32
520.00	50.00	0.0	0.0	864.90	61.00	866.43	6.91	866.64	16.66	0.0	0.0	3.68
520.00	50.00	0.0	0.0	864.90	142.00	867.13	15.86	867.47	24.37	0.0	0.0	4.73
520.00	50.00	0.0	0.0	864.90	193.00	867.43	21.70	867.84	47.12	0.0	0.0	5.19
520.00	50.00	0.0	0.0	864.90	337.00	867.88	35.64	868.43	77.97	0.0	0.0	6.32
835.00	365.00	0.0	0.0	867.80	61.00	869.49	4.37	869.72	16.04	0.0	0.0	3.86
835.00	365.00	0.0	0.0	867.80	113.00	870.17	11.86	870.55	27.72	0.0	0.0	4.92
835.00	365.00	0.0	0.0	867.80	193.00	870.43	16.64	870.87	44.90	0.0	0.0	5.44
835.00	365.00	0.0	0.0	867.80	278.00	870.98	32.42	871.53	80.16	0.0	0.0	6.00

SECTION NUMBER	DISCHARGE (CFS)	CWSEL	CWSEL DIFF EACH	CWSEL DIFF EACH SECTION	CWSEL-NSSELK	TOPWID	T.W. DIFF	LENGTH
300.000	61.000	862.647	0.0	0.0	0.0	16.020	0.0	300.000
300.000	142.000	863.328	0.681	0.0	0.0	22.880	-6.860	300.000
300.000	193.000	863.612	0.284	0.0	0.0	36.170	-20.150	300.000
300.000	337.000	864.176	0.564	0.0	0.0	77.748	-61.728	300.000
350.000	61.000	863.126	0.0	0.479	0.0	16.671	0.0	50.000
350.000	142.000	863.829	0.703	0.501	0.0	24.251	-7.581	50.000
350.000	193.000	864.147	0.318	0.534	0.0	49.002	-32.351	50.000
350.000	337.000	864.695	0.549	0.519	0.0	81.054	-64.383	50.000
400.000	61.000	864.745	0.0	3.619	0.0	51.747	0.0	50.000
400.000	142.000	865.029	0.284	1.200	0.0	68.468	-16.721	50.000
400.000	193.000	865.127	0.098	0.980	0.0	73.725	-21.979	50.000
400.000	337.000	865.472	0.345	0.776	0.0	103.490	-51.744	50.000

420,000	61,000	865,157	0.0	0.413	0.0	75,377	0.0	20,000
420,000	142,000	865,500	0.343	0.471	0.0	106,151	-30.774	20,000
420,000	193,000	865,647	0.148	0.521	0.0	120,187	-44.810	20,000
420,000	337,000	865,987	0.340	0.516	0.0	152,467	-77.091	20,000
470,000	61,000	865,623	0.0	0.466	0.0	14,315	0.0	50,000
470,000	142,000	866,276	0.653	0.776	0.0	19,289	-4.974	50,000
470,000	193,000	866,593	0.317	0.946	0.0	23,841	-9.526	50,000
470,000	337,000	867,384	0.791	1.397	0.0	77,960	-63.645	50,000
520,000	61,000	866,433	0.0	0.810	0.0	16,659	0.0	50,000
520,000	142,000	867,120	0.695	0.852	0.0	25,366	-7.700	50,000
520,000	193,000	867,427	0.299	0.834	0.0	47,118	-30.459	50,000
520,000	337,000	867,865	0.458	0.501	0.0	77,967	-61.300	50,000
885,000	48,000	869,489	0.0	3.056	0.0	13,039	0.0	365,000
885,000	113,000	870,173	0.684	3.045	0.0	27,717	-14.678	365,000
885,000	156,000	870,434	0.261	3.006	0.0	44,903	-31.864	365,000
885,000	278,000	870,979	0.546	3.094	0.0	80,156	-67.118	365,000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.0	0.0	0.281	0.0
2	0.0	0.0	0.436	0.155
3	0.0	0.0	0.673	0.392
4	0.0	0.0	1.140	0.855

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EJ

MOORE-BLUMBERG ENGINEERING CORPORATION