
 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 25T
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	ING	MINV	ICR	STRT	METRIC	HVINS	G	WSE1	FC
	-1.	2.	0.	0.	0.007000	0.0	0.0	0.	754.100	0.0
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHN1M	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	185.000	355.000	450.000	609.000	450.000	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	400.000	10.000	1095.000	1106.000	400.000	400.000	400.000	0.0	0.0	0.0
GR	745.300	1000.000	750.400	1095.000	749.200	1096.000	749.100	1100.000	749.300	1105.000
GR	750.900	1106.000	754.100	1144.000	756.600	1167.000	758.800	1200.000	765.200	1271.000
X1	450.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.800	0.0
NC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	500.000	10.000	1402.300	1405.600	50.000	50.000	50.000	0.0	0.0	0.0
GR	778.300	1000.000	772.900	1100.000	728.100	1200.000	724.000	1300.000	722.500	1360.000
GR	756.400	1402.300	755.700	1402.500	756.100	1403.000	754.700	1404.000	755.100	1405.000
GR	755.700	1403.400	756.400	1405.600	756.500	1410.000	759.700	1448.000	762.200	1471.000
GR	762.400	1500.000	768.800	1600.000	771.600	1700.000	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	3.300	0.010	3.500	0.0	0.0	0.0
X1	604.000	0.0	0.0	0.0	104.000	104.200	104.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	758.000	761.400	0.0	0.0	0.0	0.0	0.0
BT	15.000	1000.000	778.300	0.0	1100.000	772.900	0.0	1200.000	766.100	0.0
BT	1300.000	764.000	0.0	1400.000	761.400	0.0	1402.300	761.400	756.400	1402.500
BT	761.400	757.100	1403.000	761.400	757.600	1404.000	761.400	758.000	1405.000	761.400
BT	757.600	1405.400	761.400	757.100	1405.600	761.400	756.400	1500.000	762.400	0.0
BT	1600.000	765.800	0.0	1700.000	771.600	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	654.000	10.000	1095.000	1106.000	50.000	50.000	50.000	0.0	0.800	0.0
GR	765.300	1000.000	750.400	1095.000	749.200	1096.000	749.100	1100.000	749.300	1105.000
GR	750.900	1106.000	754.100	1144.000	756.600	1167.000	758.800	1200.000	765.200	1271.000
X1	704.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.800	0.0
QT	5.000	142.000	278.000	356.000	556.000	356.000	0.0	0.0	0.0	0.0
X1	1350.000	11.000	1080.000	1097.000	646.000	646.000	646.000	0.0	0.0	0.0
GR	748.300	1000.000	778.900	1060.000	771.000	1080.000	770.800	1081.000	770.700	1090.000
GR	770.800	1080.000	770.800	1097.000	772.700	1100.000	770.800	1157.000	761.700	1200.000

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T1 THOMASVILLE-DAVIDSON CO. STRM 25T
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1 ICHECK INC NINV IDIR STRT METRIC HVINS Q WSEL FO
 -10. 3. 0. 0. 0.007000 0.0 0.0 0. 755.100 0.0

J2 NPROF IPLOT PREVS XSECV XSECH EM ALLOC IBK CHNIN ITRACE
 2.000 0.0 -1.000 0.0 0.0 0.0 0.0 0.0 0.0 0.0

GCHV= 0.100 CEHV= 0.300

SECNO	DEPTH	CWSEL	CRIMS	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
400.00	3.60	752.70	0.0	755.10	753.36	0.67	0.0	0.0	750.40
355.	41.	273.	40.	17.	37.	19.	0.	0.	750.90
0.0	2.46	7.36	2.10	0.055	0.035	0.055	0.0	749.10	1080.36
0.006994	400.	400.	400.	0	0	5	0.0	46.97	1127.33

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRIMS	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
450.00	3.36	753.26	753.26	0.0	754.13	0.87	0.41	0.0	751.20
355.	37.	286.	33.	14.	35.	15.	0.	0.	751.70
0.00	2.69	6.26	2.25	0.055	0.035	0.055	0.034	749.90	1081.84
0.009679	50.	50.	50.	30	11	1	0.0	42.74	1124.58

GCHV= 0.100 CEHV= 0.300

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

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 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	4.	0.	0.	0.007000	0.0	0.0	0.	757.100	0.0
J2	NPROF	IPLOT	PREVS	XSECV	XSECH	EN	ALLDC	IBK	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

SECNO	DEPTH	CWSEL	CRINS	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	XLORR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
400.00	3.96	753.06	0.0	757.10	753.78	0.72	0.0	0.0	750.40
450.	61.	323.	66.	23.	41.	28.	0.	0.	750.90
0.0	2.70	7.86	2.37	0.055	0.035	0.055	0.0	749.10	1078.05
0.006965	400.	400.	400.	0	0	6	0.0	53.60	1131.64

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRINS	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	XLORR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
450.00	3.75	753.63	753.63	0.0	754.55	0.92	0.40	0.0	751.20
450.	56.	338.	56.	19.	35.	22.	0.	0.	751.70
0.00	2.96	8.75	2.55	0.055	0.035	0.055	0.034	749.90	1079.51
0.009389	50.	50.	50.	30	11	1	0.0	49.41	1128.92

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

7185 MIN SPECIFIC ENERGY

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

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FS
	-10.	5.	0.	0.	0,007000	0,0	0,0	0,	758,100	0,0

J2	NPROF	IPLDT	PREVS	XSECV	XSECH	EN	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

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	QLOSS	BANK ELEV
Q	RLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLORR	ITRIAL	IDC	ICONY	CORAR	TOPWID	ENDST
400,00	4,67	753,77	0,0	758,10	754,59	0,81	0,0	0,0	750,40
689.	115.	433.	141.	36.	49.	49.	0.	0.	750,90
0,0	3,17	8,84	2,87	0,055	0,035	0,055	0,0	749,10	1073,40
0,006972	400.	400.	400.	0	0	6	0,0	66,65	1140,13

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	RLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLORR	ITRIAL	IDC	ICONY	CORAR	TOPWID	ENDST
450,00	4,45	754,35	754,35	0,0	755,36	1,02	0,40	0,0	751,20
689.	109.	452.	128.	32.	47.	42.	0.	0.	751,70
0,00	3,45	9,72	3,09	0,055	0,035	0,055	0,034	749,90	1074,90
0,009037	50.	50.	50.	30	12	1	0,0	62,40	1137,42

CCHV= 0,100 CEHV= 0,300

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	TOP	SS	TOPWID	STEMCL	STEMOV	VCH	
9	400.00	400.00	0.0	0.0	749.10	185.00	751.83	22.28	752.34	31.26	0.0	0.0	6.01
10	400.00	400.00	0.0	0.0	749.10	355.00	752.70	42.45	753.36	46.97	0.0	0.0	7.56
11	400.00	400.00	0.0	0.0	749.10	450.00	753.06	53.92	753.78	53.60	0.0	0.0	7.86
12	400.00	400.00	0.0	0.0	749.10	689.00	753.77	62.52	754.59	66.65	0.0	0.0	8.34
14	450.00	50.00	0.0	0.0	749.90	185.00	752.29	16.59	753.08	24.96	0.0	0.0	7.31
15	450.00	50.00	0.0	0.0	749.90	355.00	753.26	36.08	754.13	42.74	0.0	0.0	8.26
16	450.00	50.00	0.0	0.0	749.90	450.00	753.63	46.44	754.55	49.41	0.0	0.0	8.75
17	450.00	50.00	0.0	0.0	749.90	689.00	754.35	72.48	755.36	62.48	0.0	0.0	9.72
19	500.00	50.00	0.0	0.0	754.70	185.00	757.90	21.85	758.41	34.70	0.0	0.0	7.53
20	500.00	50.00	0.0	0.0	754.70	355.00	758.50	42.98	759.12	46.04	0.0	0.0	8.17
21	500.00	50.00	0.0	0.0	754.70	450.00	759.72	53.16	759.43	50.18	0.0	0.0	8.74
22	500.00	50.00	0.0	0.0	754.70	689.00	759.26	84.17	760.05	50.24	0.0	0.0	9.28
24	504.00	104.00	761.40	753.00	754.70	185.00	762.15	675.59	762.17	102.37	0.0	0.0	0.23
25	504.00	104.00	761.40	758.00	754.70	355.00	762.66	591.98	762.37	154.41	0.0	0.0	1.02
26	504.00	104.00	761.40	758.00	754.70	450.00	762.84	642.62	762.86	167.13	0.0	0.0	1.21
27	504.00	104.00	761.40	753.00	754.70	689.00	763.22	756.45	763.25	192.96	0.0	0.0	1.82
29	654.00	50.00	0.0	0.0	755.50	185.00	762.16	219.60	762.17	38.43	0.0	0.0	1.14
30	654.00	50.00	0.0	0.0	755.50	355.00	762.68	265.93	762.38	106.10	0.0	0.0	1.59
31	654.00	50.00	0.0	0.0	755.50	450.00	762.83	285.48	762.87	108.86	0.0	0.0	2.28
32	654.00	50.00	0.0	0.0	755.50	689.00	763.20	325.64	763.27	115.73	0.0	0.0	3.15
34	704.00	50.00	0.0	0.0	756.30	185.00	762.16	154.20	762.18	33.01	0.0	0.0	1.49
35	704.00	50.00	0.0	0.0	756.30	355.00	762.60	193.17	762.70	33.72	0.0	0.0	2.41
36	704.00	50.00	0.0	0.0	756.30	450.00	762.82	203.14	762.82	34.43	0.0	0.0	2.37
37	704.00	50.00	0.0	0.0	756.30	689.00	763.19	242.17	763.31	102.20	0.0	0.0	3.95
39	1350.00	646.00	0.0	0.0	770.70	182.00	772.12	10.66	772.27	17.63	0.0	0.0	3.17
40	1350.00	646.00	0.0	0.0	770.70	275.00	772.97	24.78	773.37	34.95	0.0	0.0	7.48
41	1350.00	646.00	0.0	0.0	770.70	350.00	773.48	36.32	774.22	34.41	0.0	0.0	7.53
42	1350.00	646.00	0.0	0.0	770.70	530.00	773.17	55.03	774.30	38.72	0.0	0.0	7.58
44	2400.00	1050.00	0.0	0.0	803.20	102.00	810.03	7.34	810.84	5.85	0.0	0.0	8.97
45	2400.00	1050.00	0.0	0.0	803.20	203.00	810.99	16.34	812.08	13.18	0.0	0.0	8.46
46	2400.00	1050.00	0.0	0.0	803.20	294.00	811.45	22.40	812.70	14.99	0.0	0.0	8.99
47	2400.00	1050.00	0.0	0.0	803.20	490.00	812.45	37.52	813.94	18.91	0.0	0.0	10.19
51	400.000	185.000	751.834	0.0	0.0	0.0	31.258	0.0	0.0	400.000			
52	400.000	355.000	752.676	0.861	0.0	0.0	46.972	-15.714	400.000				
53	400.000	450.000	753.059	0.383	0.0	0.0	53.604	-22.337	400.000				
54	400.000	689.000	753.774	0.715	0.0	0.0	66.650	-35.392	400.000				
56	450.000	185.000	752.289	0.0	0.455	0.0	24.958	0.0	50.000				
57	450.000	355.000	753.263	0.974	0.569	0.0	42.737	-17.779	50.000				
	450.000	450.000	753.629	0.366	0.570	0.0	49.407	-24.449	50.000				
	450.000	689.000	754.345	0.717	0.572	0.0	62.485	-37.527	50.000				

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MODIFICATIONS 52,53,54,55,56,57,58

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