
 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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 1 THOMASVILLE-DAVIDSON CO. STRM 31T
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-1.	2.	0.	0.	0.018000	0.0	0.0	0.	856.900	0.0
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNH	YTRACE
	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
WT	5.000	80.000	164.000	216.000	352.000	216.000	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	7.000	1110.000	1114.000	200.000	200.000	200.000	0.0	-2.600	0.0
GR	871.200	1000.000	857.700	1100.000	855.900	1110.000	854.500	1112.000	856.000	1114.000
GR	867.900	1200.000	871.200	1264.000	0.0	0.0	0.0	0.0	0.0	0.0
X1	250.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.300	0.0
NC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	300.000	13.000	1117.600	1120.300	50.000	50.000	50.000	0.0	0.0	0.0
GR	871.200	1000.000	869.900	1013.000	857.400	1107.000	855.600	1117.000	855.500	1117.600
GR	854.800	1118.000	854.200	1119.000	854.800	1120.000	855.500	1120.300	855.700	1121.000
GR	867.600	1207.000	870.900	1271.000	871.200	1321.000	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	2.600	0.010	5.300	0.0	0.0	0.0
X1	345.000	0.0	0.0	0.0	45.000	45.000	45.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	856.800	0.0	0.0	0.0	0.0	0.0	0.0
BT	10.000	1000.000	871.200	0.0	1100.000	860.400	0.0	1117.600	859.600	855.500
BT	1118.000	859.600	856.400	1119.000	859.600	856.800	1120.000	859.600	856.400	1120.300
BT	859.600	855.500	1200.000	861.900	0.0	1300.000	869.300	0.0	1321.000	871.200
BT	0.0	0.0	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	395.000	7.000	1110.000	1114.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	871.200	1000.000	857.700	1100.000	855.900	1110.000	854.500	1112.000	856.000	1114.000
GR	867.900	1200.000	871.200	1264.000	0.0	0.0	0.0	0.0	0.0	0.0
X1	445.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.300	0.0
WT	5.000	63.000	132.000	175.000	291.000	175.000	0.0	0.0	0.0	0.0
X1	500.000	7.000	1121.000	1124.000	55.000	55.000	55.000	0.0	-5.200	0.0
GR	879.700	1000.000	869.700	1100.000	865.700	1121.000	863.400	1122.000	865.800	1124.000
GR	873.000	1200.000	879.700	1295.000	0.0	0.0	0.0	0.0	0.0	0.0
X1	550.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	1.200	0.0

 HELP VERSION UPDATED JAN 1975
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08
 MODIFICATIONS 50,53,54,55,56,57,58

THOMASVILLE-DAVIDSON CO. STRM 52T
 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES R-6 JOB NO. 6916
 15 YEAR FLOOD WATER SURFACE PROFILE

01	ICRUC	ICG	MINV	IDIR	STRT	METRIC	HVINS	Q	WSLL	FO
	-1.	2.	0.	0.	0.010000	0.0	0.0	0.	866.200	0.0
02	IBRUF	IPLT	PREVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIN	ITRACE
	0.0	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
03	1.000	54.000	3.000	4.000	27.000	28.000	26.000	0.0	0.0	0.0
04	0.035	0.035	0.035	0.100	0.300	0.0	0.0	0.0	0.0	0.0
05	5.000	61.000	142.000	193.000	337.000	193.000	0.0	0.0	0.0	0.0
06	5.000	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0
07	350.000	9.000	1232.000	1255.000	300.000	300.000	300.000	0.0	-2.700	0.0
08	879.500	1000.000	872.400	1100.000	866.200	1200.000	866.700	1212.000	863.900	1243.000
09	863.900	1248.000	865.800	1255.000	869.900	1300.000	879.500	1389.000	0.0	0.0
10	350.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.400	0.0
11	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0
12	400.000	14.000	1232.300	1233.700	50.000	50.000	50.000	0.0	0.0	0.0
13	871.200	1000.000	867.100	1100.000	864.400	1200.000	864.800	1215.000	863.700	1232.300
14	863.200	1232.800	863.000	1233.000	863.200	1233.500	863.700	1233.700	864.900	1243.000
15	365.200	1248.000	866.100	1300.000	874.100	1400.000	879.500	1481.000	0.0	0.0
16	0.900	1.000	2.500	0.0	1.300	0.010	2.000	0.0	0.0	0.0
17	400.000	0.0	0.0	0.0	20.000	20.000	20.000	0.0	0.0	0.0
18	0.0	0.0	1.000	864.400	0.0	0.0	0.0	0.0	0.0	0.0
19	11.000	1500.000	871.200	0.0	1100.000	867.100	0.0	1200.000	864.400	0.0
20	1232.800	864.900	863.700	1232.000	864.200	1233.000	864.900	864.900	864.400	1233.500
21	365.200	864.200	1233.700	864.900	863.700	1300.000	866.100	0.0	1400.000	874.100
22	0.0	1481.000	879.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.035	0.035	0.035	0.100	0.300	0.0	0.0	0.0	0.0	0.0
24	350.000	9.000	1232.000	1255.000	50.000	50.000	50.000	0.0	0.500	0.0
25	871.200	1000.000	872.400	1100.000	866.200	1200.000	866.700	1212.000	863.900	1243.000
26	863.900	1248.000	865.800	1255.000	869.900	1300.000	879.500	1389.000	0.0	0.0
27	350.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.500	0.0
28	0.031	08.000	113.000	156.000	276.000	156.000	0.0	0.0	0.0	0.0
29	400.000	10.000	1192.000	1198.000	365.000	365.000	365.000	0.0	0.0	0.0
30	871.200	1000.000	871.500	1190.900	879.100	1142.000	868.100	1145.000	867.800	1147.000
31	863.200	1193.000	862.900	1198.000	871.100	1200.000	879.500	1300.000	865.600	1354.000
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

11 THOMASVILLE-DAVIDSON CO. STRM 32T
 12 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-6 JOB NO. 6918
 13 50 YEAR FLOOD WATER SURFACE PROFILE

11	ICORCP	ICD	ICIV	ICIR	ICRT	ICETIC	ICVINS	0	ICSL	ICQ
	-10.	3.	0.	0.	0.010000	0.0	0.0	0.	867.200	0.0
12	ICPROP	ICPLOT	ICPREVS	ICXSECV	ICXSECH	ICFN	ICALLOC	ICBU	ICCHNIM	ICITRACE
	2.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CCHV= 0.100 CCHV= 0.300
 SECD0 DEPTH CWSFL CRIWS WSELK EG HV HL GLOSS BANK ELEV
 0 SLOB GCH QROB ALOB ACH AROB VOL TWA LEFT/RIGHT
 TIME VLOS VCH VROB XNL XNCH XNR WTN ELMIN SSTA
 SLOB XLOB XLECH XLOBR ITRIAL IDC ICONT CORAR TOPWID ENDST

500.00	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	0.99	0.055	0.035	0.035	0.0	861.20	1234.64
0.009839	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
0.0	0.0	4.76	1.12	0.055	0.035	0.035	0.034	861.60	1234.27
0.008881	50.	50.	50.	0	0	1	0.0	24.25	1258.53

CCHV= 0.100 CCHV= 0.300
 3600 20 TRFLO GLOB SSTA SSTA

3720 20 SPECIFIC ENERGY

3720 20 ASSUMED CRITICAL DEPTH

SECD0 DEPTH CWSFL CRIWS WSELK EG HV HL GLOSS BANK ELEV
 0 SLOB GCH QROB ALOB ACH AROB VOL TWA LEFT/RIGHT
 TIME VLOS VCH VROB XNL XNCH XNR WTN ELMIN SSTA
 SLOB XLOB XLECH XLOBR ITRIAL IDC ICONT CORAR TOPWID ENDST

500.00	2.03	865.05	0.0	865.25	865.25	0.25	0.40	0.0	865.70
142.	0.	15.	21.	27.	3.	7.	0.	0.	863.70
0.0	0.0	5.94	0.20	0.025	0.025	0.025	0.029	863.00	1176.69
0.007140	50.	50.	50.	30	10	1	0.0	68.47	1245.16

3720 20 ASSUMED CRITICAL DEPTH

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

11 THOMASVILLE-DAVIDSON CO. STRM. 32T
 12 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 13 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	100	NIIV	IDIR	STRT	METRIC	4VINS	0	WSLL	FG
		0.	0.	0.	0.010000	0.0	0.0	0.	869.200	0.0
J2	MPROF	1PLOT	MPFVS	XSECV	XSECH	FN	ALLDC	IDW	CHNIM	ITRACE
		3.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0

CCRV= 0.100 CCRV= 0.300

3205 DIVIDED FLOW

SECTION	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	ULOSS	BANK ELEV
TIME	VLOR	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOPL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
300.00	2.41	863.61	863.59	869.20	864.10	0.49	0.0	0.0	864.00
195.	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	861.20	1198.18
0.00997	300.	300.	300.	0	14	1	0.0	56.17	1260.63

3206 DIVIDED FLOW

300.00	2.55	864.15	0.0	0.0	864.54	0.40	0.43	0.01	864.40
1.7	1.	165.	2.	2.	37.	2.	0.	0.	863.50
0.00	0.40	5.11	1.74	0.055	0.035	0.035	0.035	861.60	1196.00
0.00515	300.	300.	300.	2	0	1	0.0	49.00	1262.11

CCRV= 0.100 CCRV= 0.300

3207 ASSUMED CRITICAL DEPTH

SECTION	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	ULOSS	BANK ELEV
TIME	VLOR	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOPL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

 PROJECT: 100 YEAR FLOOD STUDY AT MORAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 DATE: 01.02.03.04.05.06.07.08
 001.001.002.003.004.005.006.007.008

11 MORAN HILL-DAVIDSON CO. STRM 321
 12 FLOODPLAIN STUDY AT MORAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 13 100 YEAR FLOOD WATER SURFACE PROFILE

Q	ICR	ISG	HEAV	HTR	STRT	METRIC	DVHS	Q	WSEL	EQ
	-10.	0.	0.	0.	0.010000	0.0	0.0	0.	570.200	0.0
IP	HPW	IPLOT	PREVS	XSECV	XSECH	FM	ALLOD	IBW	CHMIM	ITRACE
	15.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CHV= 0.100 CHV= 0.300

100 YEAR FLOOD CRITICAL DEPTH

SECTION	DEPTH	WSEL	CRWS	WSEL	LG	HV	HL	GLSS	BANK ELEV
0	0.00	WCH	OROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	WLOG	VCH	VROB	XNL	XNCH	XWR	WTN	ELMIN	SSTA
SCALE	SCALE	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	LEAST
100.00	2.90	866.18	866.18	570.20	854.74	0.56	0.0	0.0	864.00
557.	29.	295.	17.	17.	42.	6.	0.	0.	863.10
0.0	1.42	8.36	2.60	0.055	0.035	0.635	0.0	81.20	1189.98
0.000000	300.	500.	300.	0	17	1	0.0	77.75	1260.82
100.00	2.10	866.70	866.70	0.0	855.14	0.45	0.40	0.01	864.40
557.	23.	289.	20.	23.	49.	6.	0.	0.	863.50
0.0	1.48	8.78	2.51	0.055	0.036	0.635	0.034	801.50	1187.11
0.000000	300.	500.	300.	2	0	1	0.0	81.05	1260.16

CHV= 0.100 CHV= 0.300

100 YEAR FLOOD CRITICAL DEPTH

100 YEAR FLOOD CRITICAL DEPTH

100 YEAR FLOOD CRITICAL DEPTH

SECTION	DEPTH	WSEL	CRWS	WSEL	LG	HV	HL	GLSS	BANK ELEV
0	0.00	WCH	OROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	WLOG	VCH	VROB	XNL	XNCH	XWR	WTN	ELMIN	SSTA
SCALE	SCALE	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	LEAST
100.000	2.47	865.47	865.47	0.0	860.80	0.33	0.55	0.0	863.70
557.	243.	290.	60.	50.	35.	15.	0.	0.	863.70

30-000 PROFILE FOR MULTIPLE PROFILES

500 YEAR FLOOD WATER SUR

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	T0	CG	TOPWID	STENCH	STENCH	VCH
300.00	300.00	0.0	0.0	861.20	61.00	862.65	6.15	862.90	16.02	0.0	0.0	4.61
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	35.51	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	865.90	163.49	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	865.65	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	3.16
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	867.38	35.63	867.93	77.96	0.0	0.0	6.32
520.00	50.00	0.0	0.0	864.90	61.00	865.43	6.91	866.64	16.66	0.0	0.0	3.68
520.00	50.00	0.0	0.0	864.90	142.00	865.13	15.96	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
865.00	365.00	0.0	0.0	867.80	45.00	869.49	4.97	869.72	13.04	0.0	0.0	3.86
865.00	365.00	0.0	0.0	867.80	113.00	870.17	11.88	870.55	27.72	0.0	0.0	4.92
865.00	365.00	0.0	0.0	867.80	156.00	870.43	16.64	870.87	44.90	0.0	0.0	5.44
865.00	365.00	0.0	0.0	867.80	278.00	870.98	32.42	871.43	60.16	0.0	0.0	6.00

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH 2	CWSEL DIFF EACH SECTION	CWSEL-USELK	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	864.175	0.564	0.0	0.0	77.748	-61.728	300.000
350.000	61.000	863.125	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	0.319	0.0	49.002	-52.301	50.000
350.000	337.000	864.690	0.543	0.519	0.0	81.054	-64.303	50.000
400.000	61.000	864.745	0.0	1.619	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	163.490	-51.744	50.000

420,000	61,000	865,157	0.0	0.913	0.0	75,477	0.0	20,000
400,000	142,000	865,500	0.343	0.471	0.0	106,151	-30,774	20,000
420,000	153,000	865,647	0.100	0.521	0.0	120,087	-44,816	20,000
420,000	337,000	865,687	0.340	0.516	0.0	152,467	-77,091	20,000
470,000	61,000	865,623	0.0	0.765	0.0	14,315	0.0	50,000
470,000	142,000	866,276	0.653	0.776	0.0	19,209	-4,974	50,000
470,000	153,000	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	867,128	0.695	0.852	0.0	24,366	-7,707	50,000
520,000	153,000	867,427	0.299	0.834	0.0	47,118	-30,459	50,000
520,000	337,000	867,885	0.458	0.501	0.0	77,967	-61,308	50,000
865,000	43,000	869,909	0.0	3.056	0.0	13,839	0.0	365,000
865,000	113,000	870,173	0.684	3.045	0.0	27,717	+14,678	365,000
865,000	150,000	870,434	0.261	3.096	0.0	44,903	-31,864	365,000
865,000	278,000	870,979	0.586	3.094	0.0	80,156	-67,110	365,000

DATA FOR LAST CROSS SECTION

PROFILL	(YD: 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	0.859