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

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	3.	0.	0.	0.021000	0.0	0.0	0.	858.500	0.0
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLOC	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  
 3280 CROSS SECTION 210.00 EXTENDED 0.36 FEET

SECNO	DEPTH	CWSEL	CRISW	WSELK	EG	HV	HL	LOSS	BANK ELEV
G	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
210.00	1.16	853.66	0.0	858.50	853.75	0.09	0.0	0.0	853.60
148.	86.	17.	45.	48.	4.	21.	0.	0.	853.30
0.0	1.80	4.78	2.17	0.055	0.035	0.055	0.0	852.50	1000.00
0.020644	210.	210.	210.	0	0	8	0.0	215.05	1215.05

7185 MIN SPECIFIC ENERGY

5720 ASSURED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRISW	WSELK	EG	HV	HL	LOSS	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
1090.00	1.96	881.56	881.56	0.0	882.28	0.71	18.39	0.0	883.00
66.	0.	66.	0.	0.	10.	0.	1.	2.	883.20
0.04	0.0	6.78	0.0	0.055	0.035	0.055	0.035	879.60	1152.27
0.021467	880.	880.	880.	0	14	1	0.0	6.91	1159.18

7165 MIN SPECIFIC ENERGY

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T1 THOMASVILLE-DAVISON CO. STRM BT  
 T2 FLOODPLAIN STUDY AT ROWAN & DAVISON COUNTIES M-G JOB NO. 6918  
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-10.	4.	0.	0.	0.021000	0.0	0.0	0.	860.500	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  
 3280 CROSS SECTION 210.00 EXTENDED 0.43 FEET.

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	LOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XLN	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLORL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
210.00	1.23	853.73	0.0	860.50	853.83	0.10	0.0	0.0	853.60
201.	123.	19.	58.	60.	4.	24.	0.	0.	853.30
0.0	2.06	5.07	2.39	0.055	0.035	0.055	0.0	852.50	1000.00
0.020906	210.	210.	210.	0	0	9	0.0	217.01	1217.01

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	LOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XLN	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLORL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
1090.00	2.36	881.96	881.96	0.0	882.78	0.82	18.31	0.0	883.00
92.	0.	92.	0.	0.	13.	0.	1.	2.	883.20
0.03	0.0	7.28	0.0	0.055	0.035	0.055	0.035	879.60	1151.92
0.020596	880.	880.	880.	3	14	1	0.0	7.71	1159.62

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

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T1 THOMASVILLE-DAVIDSON CO. STRM 8T  
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.	0.021000	0.0	0.0	0.	861.500	0.0
J2	NPROF	IPLT	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  
3280 CROSS SECTION 210.00 EXTENDED 0.60 FEET

SECNO	DEPTH	CWSEL	CRISW	WSELK	EG	HV	HL	LOSS	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
210.00	1.40	853.90	0.0	861.50	854.04	0.14	0.0	0.0	853.60
347.	226.	25.	95.	87.	4.	34.	0.	0.	853.30
0.0	2.62	5.66	2.83	0.055	0.035	0.055	0.0	852.50	1000.00
0.020963	210.	210.	210.	0	0	9	0.0	221.54	1221.54

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

5720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRISW	WSELK	EG	HV	HL	LOSS	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
1090.00	3.21	882.81	882.81	0.0	883.92	1.11	18.27	0.0	885.00
168.	0.	168.	0.	0.	20.	0.	1.	2.	883.20
0.03	0.0	8.45	0.0	0.055	0.035	0.055	0.035	879.60	1151.17
0.020345	880.	880.	880.	30	17	1	0.0	9.40	1160.57

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

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SUMMARY PRINTOUT FOR MULTIPLE PROFILES

500 YEAR FLOOD WATER SUR

SECTION CHANNEL MIN EL OF MAX EL OF MIN EL DISCHARGE CWSEL TQ EG TOPWID STENCL STENCR VGH  
 NUMBER LENGTH ROADWAY LOW CHORD GROUND (CFS)

A	210.00	210.00	0.0	0.0	852.50	64.00	853.50	4.42	853.58	190.30	0.0	0.0	4.35
	210.00	210.00	0.0	0.0	852.50	148.00	853.66	10.30	853.75	215.05	0.0	0.0	4.78
	210.00	210.00	0.0	0.0	852.50	201.00	853.73	13.90	853.83	217.01	0.0	0.0	5.07
	210.00	210.00	0.0	0.0	852.50	347.00	853.90	23.97	854.04	221.54	0.0	0.0	5.66
B	1090.00	880.00	0.0	0.0	879.60	28.00	880.81	1.84	882.28	5.41	0.0	0.0	5.52
	1090.00	880.00	0.0	0.0	879.60	66.00	881.56	4.50	882.28	6.91	0.0	0.0	6.78
	1090.00	880.00	0.0	0.0	879.60	92.00	881.96	6.41	882.78	7.71	0.0	0.0	7.28
	1090.00	880.00	0.0	0.0	879.60	168.00	882.61	11.78	883.92	9.40	0.0	0.0	8.45
	1140.00	50.00	0.0	0.0	881.20	28.00	882.41	1.85	882.88	5.41	0.0	0.0	5.51
	1140.00	50.00	0.0	0.0	881.20	66.00	883.16	4.51	883.88	6.92	0.0	0.0	6.78
	1140.00	50.00	0.0	0.0	881.20	92.00	883.55	6.37	884.38	7.69	0.0	0.0	7.31
	1140.00	50.00	0.0	0.0	881.20	168.00	884.43	11.98	885.51	9.45	0.0	0.0	8.34
	1190.00	50.00	0.0	0.0	882.70	28.00	884.61	2.60	885.20	4.45	0.0	0.0	6.24
	1190.00	50.00	0.0	0.0	882.70	66.00	885.60	7.44	886.29	7.90	0.0	0.0	7.23
	1190.00	50.00	0.0	0.0	882.70	92.00	885.93	9.99	886.78	9.07	0.0	0.0	8.18
	1190.00	50.00	0.0	0.0	882.70	168.00	886.92	29.45	887.23	76.27	0.0	0.0	6.80
	1280.00	90.00	888.90	885.70	882.70	28.00	884.62	2.64	885.20	4.49	0.0	0.0	6.18
	1280.00	90.00	888.90	885.70	882.70	66.00	887.60	79.66	887.61	108.60	0.0	0.0	1.01
	1280.00	90.00	888.90	885.70	882.70	92.00	889.15	332.62	889.15	155.73	0.0	0.0	0.41
	1280.00	90.00	888.90	885.70	882.70	168.00	889.71	474.61	889.72	172.97	0.0	0.0	0.56
	1330.00	50.00	0.0	0.0	884.20	28.00	885.53	2.19	885.90	5.65	0.0	0.0	4.88
	1330.00	50.00	0.0	0.0	884.20	66.00	887.51	12.54	887.66	9.60	0.0	0.0	3.17
	1330.00	50.00	0.0	0.0	884.20	92.00	889.14	54.39	889.16	109.75	0.0	0.0	1.45
	1330.00	50.00	0.0	0.0	884.20	168.00	889.70	90.50	889.72	127.07	0.0	0.0	1.75
C	1380.00	50.00	0.0	0.0	885.80	28.00	887.01	1.84	887.48	5.41	0.0	0.0	5.52
	1380.00	50.00	0.0	0.0	885.80	66.00	887.76	4.50	888.48	6.91	0.0	0.0	6.78
	1380.00	50.00	0.0	0.0	885.80	92.00	888.95	11.34	889.30	9.28	0.0	0.0	4.76
	1380.00	50.00	0.0	0.0	885.80	168.00	889.00	11.72	890.12	9.38	0.0	0.0	8.48

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	Y.W. DIFF	LENGTH
210.000	64.000	853.497	0.0	0.0	0.0	190.302	0.0	210.000
210.000	148.000	853.656	0.159	0.0	0.0	215.047	-24.745	210.000
210.000	201.000	853.729	0.073	0.0	0.0	217.012	-26.710	210.000
210.000	347.000	853.896	0.168	0.0	0.0	221.541	-31.238	210.000
1090.000	28.000	880.806	0.0	27.309	0.0	5.406	0.0	880.000
1090.000	66.000	881.563	0.757	27.907	0.0	6.914	-1.509	880.000
1090.000	92.000	881.960	0.397	28.231	0.0	7.706	-2.301	880.000
1090.000	168.000	882.808	0.848	28.912	0.0	9.397	-3.991	880.000
1140.000	28.000	882.407	0.0	1.601	0.0	5.408	0.0	50.000
1140.000	66.000	883.164	0.756	1.601	0.0	6.916	-1.507	50.000
1140.000	92.000	883.553	0.389	1.593	0.0	7.692	-2.284	50.000
1140.000	168.000	884.434	0.881	1.626	0.0	9.449	-4.041	000

1190.000	28.000	884.612	0.0	2.205	0.0	4.450	0.0	50.000
1190.000	66.000	885.596	0.984	2.433	0.0	7.902	-3.452	50.000
1190.000	92.000	885.930	0.334	2.378	0.0	9.074	-4.624	50.000
1190.000	168.000	886.916	0.985	2.481	0.0	76.271	-71.821	50.000
1280.000	28.000	884.624	0.0	0.012	0.0	4.491	0.0	90.000
1280.000	66.000	887.602	2.978	2.006	0.0	108.601	-104.109	90.000
1280.000	92.000	889.150	1.549	3.220	0.0	155.732	-151.241	90.000
1280.000	168.000	889.714	0.563	2.798	0.0	172.969	-168.477	90.000
1330.000	28.000	885.531	0.0	0.907	0.0	5.646	0.0	50.000
1330.000	66.000	887.508	1.977	-0.094	0.0	9.597	-3.951	50.000
1330.000	92.000	889.139	1.631	-0.012	0.0	109.760	-104.104	50.000
1330.000	168.000	889.700	0.562	-0.013	0.0	127.070	-121.424	50.000
1380.000	28.000	887.006	0.0	1.475	0.0	5.406	0.0	50.000
1380.000	66.000	887.762	0.756	0.254	0.0	6.914	-1.507	50.000
1380.000	92.000	888.946	1.194	-0.193	0.0	9.278	-3.872	50.000
1380.000	168.000	889.000	0.054	-0.701	0.0	9.381	-3.975	50.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.0	0.0	2.010	0.0
2	0.0	0.0	2.456	0.446
3	0.0	0.0	2.679	0.569
4	0.0	0.0	2.901	0.891