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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. STREAM 26T  
 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	FR
	-10.	3.	0.	0.	0.026000	0.0	0.0	0.	772.100	0.0
J2	NPROF	IPL0T	PREVS	XSECV	XSECH	FN	ALLOD	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	CRWS	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
100.00	3.53	769.63	769.63	772.10	770.22	0.60	0.0	0.0	767.70
195.	35.	94.	66.	12.	12.	20.	0.	0.	767.60
0.0	2.99	8.30	3.26	0.055	0.035	0.055	0.0	766.10	1080.03
0.013135	100.	100.	100.	0	14	1	0.0	37.31	1117.34

3685 20 TRIALS USED WSEL,CWSEL

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	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
775.00	2.09	789.69	789.69	0.0	790.09	0.40	8.80	0.0	788.50
117.	7.	58.	52.	3.	9.	20.	1.	1.	788.20
0.05	2.14	6.72	2.61	0.055	0.035	0.055	0.035	787.60	1064.37
0.012864	675.	675.	675.	30	14	1	0.0	37.44	1101.81

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T1 THOMASVILLE-DAVIDSON CO. STREAM 26T  
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918  
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1 ICHECK INQ NINV IDIR STRT METRIC HVINS WSEL FB  
 -10. 4. 0. 0. 0.026000 0.0 0.0 0. 774.100 0.0

J2 NPROF IPILOT 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

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRIWS	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
100.00	3.85	769.95	769.95	774.10	770.53	0.59	0.0	0.0	767.70
253.	50.	108.	95.	16.	13.	28.	0.	0.	767.60
0.0	3.18	8.56	3.42	0.055	0.035	0.055	0.0	766.10	1078.04
0.012095	100.	100.	100.	0	13	1	0.0	42.94	1120.98

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRIWS	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
775.00	2.26	789.86	789.86	0.0	790.31	0.45	8.50	0.0	788.50
154.	10.	70.	74.	4.	10.	25.	1.	1.	788.20
0.04	2.39	7.32	2.99	0.055	0.035	0.055	0.035	787.60	1063.56
0.013489	675.	675.	675.	30	11	1	0.0	41.66	1105.22

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T1 THOMASVILLE-DAVIDSON CO. STREAM 26T  
 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	FQ
	-10.	5.	0.	0.	0.026000	0.0	0.0	0.	775.100	0.0
J2	NPROF	IPLOT	PREVS	XSECV	XSECH	EN	ALLDC	IRW	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	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
100.00	4.41	770.51	770.51	775.10	771.17	0.66	0.0	0.0	767.70
407.	91.	143.	172.	25.	15.	44.	0.	0.	767.60
0.0	3.73	9.63	3.95	0.055	0.035	0.055	0.0	766.10	1074.54
0.012304	100.	100.	100.	0	9	1	0.0	52.83	1127.37

3685 20 TRIALS USED WSEL,CWSEL

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	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
775.00	2.64	790.24	790.24	0.0	790.77	0.53	8.68	0.0	788.50
251.	20.	95.	135.	7.	11.	38.	1.	1.	788.20
0.04	2.85	8.37	3.60	0.055	0.035	0.055	0.035	787.60	1061.78
0.013840	675.	675.	675.	30	14	1	0.0	51.01	1112.78

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

500 YEAR FLOOD WATER SUR

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAY EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	VCH
A 100.00	100.00	0.0	0	766.10	96.00	769.01	0.68	769.50	26.49	0.0	0.0	6.81
100.00	100.00	0.0	0	766.10	195.00	769.63	17.01	770.22	37.31	0.0	0.0	8.30
100.00	100.00	0.0	0.0	766.10	253.00	769.94	23.00	770.53	42.94	0.0	0.0	8.56
100.00	100.00	0.0	0.0	766.10	407.00	770.51	36.69	771.17	52.83	0.0	0.0	9.63
B 775.00	675.00	0.0	0.0	787.60	58.00	789.24	4.93	789.57	27.00	0.0	0.0	5.68
775.00	675.00	0.0	0.0	787.60	117.00	789.69	10.32	790.09	37.44	0.0	0.0	6.72
775.00	675.00	0.0	0.0	787.60	154.00	789.86	13.26	790.31	41.66	0.0	0.0	7.32
775.00	675.00	0.0	0.0	787.60	251.00	790.24	21.34	790.77	51.01	0.0	0.0	8.37

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH 0	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
100.000	96.000	769.010	0.0	0.0	0.0	26.495	0.0	100.000
100.000	195.000	769.625	0.615	0.0	0.0	37.310	-10.816	100.000
100.000	253.000	769.945	0.320	0.0	0.0	42.937	-16.442	100.000
100.000	407.000	770.507	0.563	0.0	0.0	52.825	-26.331	100.000
775.000	58.000	789.236	0.0	20.226	0.0	27.001	0.0	675.000
775.000	117.000	789.690	0.454	20.068	0.0	37.441	-10.440	675.000
775.000	154.000	789.861	0.171	19.916	0.0	41.662	-14.661	675.000
775.000	251.000	790.239	0.378	19.731	0.0	51.008	-24.008	675.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.0	0.0	0.414	0.0
2	0.0	0.0	0.579	0.165
3	0.0	0.0	0.655	0.241
4	0.0	0.0	0.804	0.390