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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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C  
 1 THOMASVILLE-DAVIDSON Co. STRM 21T  
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918  
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FB
	-1.	2.	0.	0.	0.010000	0.0	0.0	0.	727.900	0.0
J2	NPROF	IFLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	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	305.000	551.000	680.000	996.000	680.000	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	225.000	11.000	1087.000	1097.000	225.000	225.000	225.000	0.0	-3.400	0.0
GR	746.100	1000.000	739.400	1059.000	729.500	1087.000	726.600	1089.000	726.300	1091.000
GR	727.200	1094.000	730.700	1097.000	733.400	1100.000	739.800	1112.000	745.300	1200.000
GR	746.000	1208.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	275.000	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	325.000	21.000	1217.500	1222.500	50.000	50.000	50.000	0.0	0.0	0.0
GR	758.800	1000.000	749.900	1100.000	745.500	1129.000	730.600	1188.000	728.700	1216.000
GR	728.000	1217.500	726.500	1218.000	725.700	1219.000	725.500	1220.000	725.700	1221.000
GR	726.500	1222.000	728.000	1222.500	729.900	1226.000	732.600	1229.000	739.000	1241.000
GR	744.500	1329.000	745.200	1337.000	746.400	1350.000	749.200	1400.000	755.700	1500.000
GR	758.700	1577.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	5.000	0.010	19.600	0.0	0.0	0.0
X1	471.000	0.0	0.0	0.0	146.000	146.000	146.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	730.500	743.200	0.0	0.0	0.0	0.0	0.0
BT	14.000	1000.000	758.800	0.0	1100.000	749.900	0.0	1200.000	743.700	0.0
BT	1217.500	743.200	728.000	1218.000	743.200	729.500	1219.000	743.200	730.300	1220.000
BT	743.200	730.500	1221.000	743.200	730.300	1222.000	743.200	729.500	1222.500	743.200
BT	728.000	1300.000	743.600	0.0	1400.000	749.200	0.0	1500.000	755.700	0.0
BT	1577.000	758.700	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	521.000	11.000	1087.000	1097.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	746.100	1000.000	739.400	1059.000	729.500	1087.000	726.600	1089.000	726.300	1091.000
GR	727.200	1094.000	730.700	1097.000	733.400	1100.000	739.800	1112.000	745.300	1200.000
GR	746.000	1208.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	571.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.800	0.0
QT	5.000	245.000	450.000	561.000	835.000	561.000	0.0	0.0	0.0	0.0

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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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C  
 1 THOMASVILLE-DAVIDSON CO. STRM 21T  
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES 4-G JOB NO. 6918  
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-1.	2.	0.	0.	0.010000	0.0	0.0	0.	727.900	0.0
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	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	305.000	551.000	680.000	996.000	680.000	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	225.000	11.000	1087.000	1097.000	225.000	225.000	225.000	0.0	-3.400	0.0
GR	746.100	1000.000	739.400	1059.000	729.500	1087.000	726.600	1089.000	726.300	1091.000
GR	727.200	1094.000	730.700	1097.000	733.400	1100.000	739.800	1112.000	745.300	1200.000
GR	746.000	1208.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	275.000	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	325.000	21.000	1217.500	1222.500	50.000	50.000	50.000	0.0	0.0	0.0
GR	758.800	1000.000	749.900	1100.000	745.300	1129.000	738.600	1188.000	738.700	1216.000
GR	728.000	1217.500	726.500	1218.000	725.700	1219.000	725.500	1220.000	725.700	1221.000
GR	726.500	1222.000	728.000	1222.500	729.900	1226.000	732.600	1229.000	739.000	1241.000
GR	744.500	1329.000	745.200	1337.000	746.400	1350.000	749.200	1400.000	755.700	1500.000
GR	758.700	1577.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	5.000	0.010	19.600	0.0	0.0	0.0
X1	471.000	0.0	0.0	0.0	146.000	146.000	146.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	730.500	743.200	0.0	0.0	0.0	0.0	0.0
BT	14.000	1000.000	758.800	0.0	1100.000	749.900	0.0	1200.000	743.700	0.0
BT	1217.500	743.200	728.000	1218.000	743.200	729.500	1219.000	743.200	730.300	1220.000
BT	743.200	730.500	1221.000	743.200	730.300	1222.000	743.200	729.500	1222.500	743.200
BT	728.000	1300.000	745.600	0.0	1400.000	749.200	0.0	1500.000	755.700	0.0
BT	1577.000	758.700	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	521.000	11.000	1087.000	1097.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	746.100	1000.000	739.400	1059.000	729.500	1087.000	726.600	1089.000	726.300	1091.000
GR	727.200	1094.000	730.700	1097.000	733.400	1100.000	739.800	1112.000	745.300	1200.000
GR	746.000	1208.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	571.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.800	0.0
QT	5.000	245.000	450.000	561.000	835.000	561.000	0.0	0.0	0.0	0.0



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 MODIFICATIONS 52,53,54,55,56,57,58  
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T1 THOMASVILLE-DAVIDSON CO. STRM 21T  
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918  
 T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INA	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	3.	0.	0.	0.010000	0.0	0.0	0.	728.900	0.0

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIN	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

SECNO	DEPTH	CWSEL	CRWS	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

225.00	6.23	729.13	728.81	728.90	730.62	1.49	0.0	0.0	726.10
551.	45.	502.	4.	13.	49.	2.	0.	0.	727.30
0.0	3.44	10.20	2.10	0.055	0.035	0.055	0.0	722.90	1078.42
0.010065	225.	225.	225.	0	5	1	0.0	20.62	1099.04

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRWS	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

275.00	5.94	729.62	729.63	0.0	731.40	1.76	0.57	0.0	726.90
551.	38.	510.	5.	11.	46.	1.	0.	0.	728.10
0.60	3.62	11.03	2.10	0.055	0.035	0.055	0.034	723.70	1079.27
0.012786	50.	50.	50.	3	5	1	0.0	19.44	1098.71

CCHV= 0.100 CEHV= 0.300

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

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T1 THOMASVILLE-DAVIDSON CO. STRM 21T  
 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 0 WSEL FQ  
 -10. 4. 0. 0. 0.010000 0.0 0.0 0. 730.900 0.0

J2 NPROF IPLOT PRFVS XSECV XSECH FN ALLOC 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

SECNO	DEPTH	CWSEL	CRWS	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
225.00	6.82	729.71	729.44	730.90	731.37	1.66	0.0	0.0	726.10
680.	71.	601.	8.	18.	55.	3.	0.	0.	727.30
0.0	3.84	10.92	2.51	0.055	0.035	0.055	0.0	722.90	1075.78
0.009932	225.	225.	225.	0	15	1	0.0	22.91	1099.68

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRWS	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
275.00	6.56	730.26	730.26	0.0	732.16	1.90	0.54	0.0	726.90
680.	64.	609.	7.	16.	52.	3.	0.	0.	728.10
0.00	4.02	11.61	2.55	0.055	0.035	0.055	0.034	723.70	1077.50
0.011968	50.	50.	50.	3	5	1	0.0	21.90	1099.40

CCHV= 0.100 CEHV= 0.300

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

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 HEC2 VERSION UPDATED JAN 1975  
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T1 THOMASVILLE-DAVIDSON CO, STRM 21T  
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918  
 T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-10.	5.	0.	0.	0.010000	0.0	0.0	0.	731.900	0.0
J2	NPROF	IPL0T	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

SECNO	DEPTH	CWSEL	CRWS	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
225.00	7.96	730.85	730.74	731.90	732.87	2.02	0.0	0.0	726.10
996.	148.	823.	26.	32.	66.	7.	0.	0.	727.30
0.0	4.61	12.38	3.53	0.055	0.035	0.055	0.0	722.90	1073.55
0.009940	225.	225.	225.	0	15	1	0.0	28.05	1101.60

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRWS	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
275.00	7.85	731.55	731.55	0.0	733.67	2.12	0.51	0.0	724.90
996.	144.	828.	24.	31.	65.	7.	0.	0.	728.10
0.00	4.70	12.66	3.56	0.055	0.035	0.055	0.034	723.70	1073.85
0.010621	50.	50.	50.	30	5	1	0.0	27.56	1101.41

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	TQ	EG	TOPWID	STENCL	STENCR	VCH	
157 A	225.00	225.00	0.0	0.0	722.90	305.00	727.82	30.79	728.82	15.43	0.0	0.0	8.18
	<del>225.00</del>	225.00	0.0	0.0	722.90	551.00	729.13	54.92	730.62	20.62	0.0	0.0	10.20
	<del>225.00</del>	225.00	0.0	0.0	722.90	680.00	729.71	68.23	731.37	22.91	0.0	0.0	10.92
	<del>225.00</del>	225.00	0.0	0.0	722.90	996.00	730.85	99.90	732.87	28.05	0.0	0.0	12.38
207	<del>275.00</del>	50.00	0.0	0.0	723.70	305.00	728.18	24.51	729.54	13.72	0.0	0.0	9.44
	<del>275.00</del>	50.00	0.0	0.0	723.70	551.00	729.63	48.73	731.40	19.44	0.0	0.0	11.03
	<del>275.00</del>	50.00	0.0	0.0	723.70	680.00	730.26	62.16	732.16	21.90	0.0	0.0	11.61
257	<del>275.00</del>	50.00	0.0	0.0	723.70	996.00	731.55	96.65	733.67	27.56	0.0	0.0	12.66
	<del>325.00</del>	50.00	0.0	0.0	725.50	305.00	730.66	38.72	731.82	16.40	0.0	0.0	9.56
	<del>325.00</del>	50.00	0.0	0.0	725.50	551.00	731.87	71.12	733.31	21.16	0.0	0.0	11.01
	<del>325.00</del>	50.00	0.0	0.0	725.50	680.00	732.36	88.16	733.93	23.10	0.0	0.0	11.58
403 STA 3130 DOAK STREET	<del>325.00</del>	50.00	0.0	0.0	725.50	996.00	733.42	133.79	735.16	27.88	0.0	0.0	12.41
	471.00	146.00	743.20	730.50	725.50	305.00	736.26	327.98	736.30	41.26	0.0	0.0	1.93
	<del>471.00</del>	146.00	743.20	730.50	725.50	551.00	743.95	1981.76	743.95	179.43	0.0	0.0	0.84
	<del>471.00</del>	146.00	743.20	730.50	725.50	680.00	744.33	2148.72	744.33	188.88	0.0	0.0	0.97
453	<del>471.00</del>	146.00	743.20	730.50	725.50	996.00	744.97	2471.31	744.98	202.57	0.0	0.0	1.27
	521.00	50.00	0.0	0.0	726.30	305.00	736.24	174.78	736.32	37.40	0.0	0.0	2.58
	<del>521.00</del>	50.00	0.0	0.0	726.30	551.00	743.94	905.39	743.96	159.29	0.0	0.0	1.38
	<del>521.00</del>	50.00	0.0	0.0	726.30	680.00	744.32	975.80	744.34	168.67	0.0	0.0	1.60
503 B	<del>521.00</del>	50.00	0.0	0.0	726.30	996.00	744.96	1105.11	744.99	184.44	0.0	0.0	2.12
	571.00	50.00	0.0	0.0	727.10	305.00	736.24	141.53	736.35	33.65	0.0	0.0	2.99
	<del>571.00</del>	50.00	0.0	0.0	727.10	551.00	743.94	771.41	743.96	139.48	0.0	0.0	1.56
	<del>571.00</del>	50.00	0.0	0.0	727.10	680.00	744.32	832.44	744.34	148.87	0.0	0.0	1.82
1632 C	<del>571.00</del>	50.00	0.0	0.0	727.10	996.00	744.95	945.11	745.00	164.66	0.0	0.0	2.40
	1700.00	1129.00	0.0	0.0	743.80	245.00	746.81	17.91	748.04	11.66	0.0	0.0	8.92
	<del>1700.00</del>	1129.00	0.0	0.0	743.80	450.00	748.27	45.73	749.18	45.55	0.0	0.0	8.36
	<del>1700.00</del>	1129.00	0.0	0.0	743.80	551.00	748.63	57.71	749.39	51.20	0.0	0.0	8.79
2950 D	<del>1700.00</del>	1129.00	0.0	0.0	743.80	835.00	749.28	83.83	750.39	61.16	0.0	0.0	9.93
	2950.00	1250.00	0.0	0.0	805.90	161.00	807.04	10.83	807.54	63.39	0.0	0.0	4.39
	<del>2950.00</del>	1250.00	0.0	0.0	805.90	306.00	807.38	22.01	807.79	75.29	0.0	0.0	5.15
	<del>2950.00</del>	1250.00	0.0	0.0	805.90	388.00	807.53	28.36	807.99	80.67	0.0	0.0	5.47
SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH					
	225.000	305.000	727.815	0.0	0.0	15.428	0.0	225.000					
	225.000	551.000	729.133	1.318	0.0	20.618	-5.190	225.000					
	225.000	680.000	729.714	0.581	0.0	22.907	-7.479	225.000					
	225.000	996.000	730.854	1.140	0.0	28.053	-12.625	225.000					
	275.000	305.000	728.179	0.0	0.363	13.716	0.0	50.000					
	275.000	551.000	729.634	1.455	0.501	19.440	-5.724	50.000					
275.000	680.000	730.258	0.624	0.544	21.899	-8.183	50.000						
275.000	996.000	731.549	1.291	0.694	27.557	-13.841	50.000						

