
 HEC2 VERSION UPDATED JAN 1975
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08
 MODIFICATIONS 52,53,54,55,56,57,58

T1 THOMASVILLE-DAVIDSON CO. STRM 6T
 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	FQ
	-1.	2.	0.	0.	0.008000	0.0	0.0	0.	872.000	0.0
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLOC	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	84.000	189.000	255.000	433.000	255.000	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	1374.000	1387.000	225.000	225.000	225.000	0.0	0.0	0.0
GR	883.800	1000.000	880.200	1100.000	875.700	1200.000	871.500	1300.000	869.500	1374.000
GR	867.000	1378.000	867.000	1384.000	868.400	1387.000	868.300	1400.000	870.000	1700.000
GR	880.000	1900.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	51.000	119.000	163.000	287.000	163.000	0.0	0.0	0.0	0.0
X1	1625.000	8.000	1096.000	1103.000	1400.000	1400.000	1400.000	0.0	-100.000	0.0
GR	1012.100	1000.000	996.900	1096.000	996.200	1097.000	995.900	1101.000	997.000	1103.000
GR	1000.300	1200.000	1010.800	1300.000	1012.100	1314.000	0.0	0.0	0.0	0.0
EJ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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T1 THOMASVILLE-DAVIDSON CO. STRM 6T
 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.	0.008000	0.0	0.0	0.	873.000	0.0
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	TBW	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

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	2.08	869.08	0.0	873.00	869.30	0.22	0.0	0.0	869.50
189.	0.	101.	88.	0.	20.	64.	0.	0.	868.40
0.0	0.0	5.00	1.39	0.055	0.035	0.055	0.0	867.00	1374.67
0.007943	225.	225.	225.	0	0	8	0.0	163.50	1538.17

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
1625.00	2.18	898.08	898.08	0.0	894.49	0.41	12.25	0.0	896.90
119.	8.	80.	31.	4.	13.	17.	2.	3.	897.00
0.08	1.91	6.18	1.82	0.055	0.035	0.055	0.035	895.90	1088.56
0.010321	1400.	1400.	1400.	30	8	1	0.0	46.09	1134.66

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T1 THOMASVILLE-DAVIDSON CO. STRM 6T
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 100-YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	4.	0.	0.	0.008000	0.0	0.0	0.	875.000	0.0

J2	NPROF	IPLOT	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

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	XL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
225.00	2.24	869.24	0.0	875.00	869.45	0.21	0.0	0.0	869.50
255.	0.	116.	139.	0.	22.	89.	0.	0.	868.40
0.0	0.0	5.25	1.56	0.055	0.035	0.055	0.0	867.00	1374.42
0.007973	225.	225.	225.	0	0	9	0.0	191.27	1565.68

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

5720 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	XL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
1625.00	2.41	898.30	898.30	0.0	898.75	0.45	12.36	0.0	896.90
163.	14.	97.	52.	6.	14.	25.	13.	4.	897.00
0.08	2.17	6.73	2.08	0.055	0.035	0.055	0.035	895.90	1087.12
0.010466	1400.	1400.	1400.	30	8	1	0.0	54.24	1141.36

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T1 THOMASVILLE-DAVIDSON CO. STRM 6T
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	5.	0.	0.	0.008000	0.0	0.0	0.	876.000	0.0

J2	NPROF	IPLOT	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	DLOSS	BANK ELEV
0	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
225.00	2.57	869.55	0.0	876.00	869.76	0.21	0.0	0.0	869.50
433.	0.	149.	284.	0.	26.	153.	0.	0.	868.40
0.0	0.02	5.73	1.86	0.055	0.035	0.055	0.0	867.00	1372.29
0.007993	225.	225.	225.	0	0	9	0.0	247.67	1619.95

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

5720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	DLOSS	BANK ELEV
0	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
1625.00	2.87	898.77	898.77	0.0	899.28	0.51	12.54	0.0	896.90
287.	29.	139.	119.	11.	18.	46.	4.	5.	897.00
0.08	2.66	7.82	2.59	0.055	0.035	0.055	0.035	895.90	1084.19
0.010787	1400.	1400.	1400.	30	8	1	0.0	70.82	1155.01

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
225.00	225.00	0.0	0.0	867.00	84.00	868.71	9.67	868.93	96.66	0.0	0.0	4.27
225.00	225.00	0.0	0.0	867.00	189.00	869.08	21.21	869.30	163.50	0.0	0.0	5.09
225.00	225.00	0.0	0.0	867.00	255.00	869.24	28.56	869.45	191.27	0.0	0.0	5.25
225.00	225.00	0.0	0.0	867.00	433.00	869.55	48.43	869.76	247.67	0.0	0.0	5.73
1625.00	1400.00	0.0	0.0	895.90	51.00	897.50	4.75	897.86	25.62	0.0	0.0	5.09
1625.00	1400.00	0.0	0.0	895.90	119.00	898.08	11.71	898.49	46.09	0.0	0.0	6.18
1625.00	1400.00	0.0	0.0	895.90	163.00	898.30	15.93	898.75	54.24	0.0	0.0	6.73
1625.00	1400.00	0.0	0.0	895.90	287.00	898.77	27.63	899.28	70.82	0.0	0.0	7.82

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
225.000	84.000	868.707	0.0	0.0	0.0	96.663	0.0	225.000
225.000	189.000	869.082	0.376	0.0	0.0	163.500	-66.838	225.000
225.000	255.000	869.238	0.156	0.0	0.0	191.266	-94.603	225.000
225.000	433.000	869.545	0.308	0.0	0.0	247.665	-151.003	225.000
1625.000	51.000	897.503	0.0	28.796	0.0	25.621	0.0	1400.000
1625.000	119.000	898.077	0.574	28.994	0.0	46.094	-20.472	1400.000
1625.000	163.000	898.304	0.228	29.066	0.0	54.238	-28.616	1400.000
1625.000	287.000	898.769	0.464	29.223	0.0	70.822	-45.200	1400.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.0	0.0	1.965	0.0
2	0.0	0.0	3.368	1.403
3	0.0	0.0	3.945	1.980
4	0.0	0.0	5.118	3.153

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

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-1.	2.	0.	0.	0.021000	0.0	0.0	0.	857.500	0.0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CRNIM	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	64.000	148.000	201.000	347.000	201.000	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	210.000	9.000	1160.000	1164.000	210.000	210.000	210.000	0.0	0.0	0.0
GR	853.300	1000.000	853.300	1100.000	853.600	1160.000	852.500	1162.000	852.500	1164.000
GR	853.300	1164.000	853.100	1200.000	856.800	1300.000	857.900	1400.000	0.0	0.0
QT	5.000	28.000	66.000	92.000	168.000	92.000	0.0	0.0	0.0	0.0
X1	1090.000	9.000	1151.000	1161.000	880.000	880.000	880.000	0.0	11.000	0.0
GR	882.100	1000.000	872.900	1100.000	872.000	1151.000	868.600	1154.000	868.600	1157.000
GR	872.200	1161.000	873.400	1200.000	878.400	1300.000	882.100	1359.000	0.0	0.0
X1	1140.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	1.600	0.0
NC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	1190.000	18.000	1366.500	1369.500	50.000	50.000	50.000	0.0	0.0	0.0
GR	902.700	1000.000	898.500	1100.000	895.100	1200.000	892.600	1253.000	887.000	1312.000
GR	886.100	1363.000	884.200	1366.500	883.100	1367.000	882.700	1368.000	883.100	1369.000
GR	884.200	1369.500	886.300	1373.000	887.500	1412.000	892.500	1512.000	896.200	1571.000
GR	897.800	1600.000	902.500	1700.000	902.700	1703.000	0.0	0.0	0.0	0.0
SH	0.900	1.500	2.500	0.0	3.000	0.010	7.100	0.0	0.0	0.0
X1	1280.000	0.0	0.0	0.0	90.000	90.000	90.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	885.700	0.0	0.0	0.0	0.0	0.0	0.0
BT	14.000	1000.000	902.700	0.0	1100.000	902.700	0.0	1200.000	895.100	0.0
BT	1300.000	890.300	0.0	1366.500	889.000	884.200	1367.000	889.000	885.300	1368.000
BT	889.000	885.700	1369.000	889.000	885.300	1369.500	889.000	884.200	1400.000	888.900
BT	0.0	1500.000	892.500	0.0	1600.000	897.800	0.0	1700.000	902.500	0.0
BT	1703.000	902.700	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	1330.000	9.000	1151.000	1161.000	50.000	50.000	50.000	0.0	15.600	0.0
GR	882.100	1000.000	872.900	1100.000	872.000	1151.000	868.600	1154.000	868.600	1157.000
GR	872.200	1161.000	873.400	1200.000	878.400	1300.000	882.100	1359.000	0.0	0.0
X1	1380.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	1.600	0.0