
 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50.51.52

C
 T1 THOMASVILLE-DAVIDSON CO. STRM 38T
 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	FG
	-1.	2.	3.	0.	0.04200	0.0	0.0	0.	848.100	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	VARIABLE CODES FOR SUMMARY PRINTOUT									
	38.000	39.000	40.000	41.000	43.000	42.000	1.000	2.000	26.000	53.000
	54.000	25.000	50.000	0.0	201.000	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
QT	5.000	86.000	189.000	252.000	422.000	252.000	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	1243.000	1262.000	225.000	225.000	225.000	225.000	0.0	0.0
GR	859.000	1000.000	853.500	1100.000	849.100	1200.000	845.100	1243.000	843.100	1246.000
GR	843.100	1249.000	845.200	1262.000	845.400	1300.000	847.000	1400.000	852.600	1500.000
GR	859.000	1559.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	79.000	172.000	230.000	387.000	230.000	0.0	0.0	0.0	0.0
X1	750.000	10.000	1214.000	1224.000	525.000	525.000	525.000	0.0	-5.900	0.0
GR	878.000	1080.000	869.500	1100.000	863.700	1200.000	862.900	1214.000	861.200	1217.000
GR	861.200	1219.000	863.400	1224.000	866.800	1300.000	875.800	1400.000	878.000	1420.000
X1	800.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	1.300	0.0
NC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	850.000	17.000	1301.500	1304.500	50.000	50.000	50.000	0.0	0.0	0.0
GR	881.400	1000.000	874.700	1085.000	866.200	1185.000	860.400	1285.000	859.600	1299.000
GR	859.400	1301.500	858.300	1302.000	857.900	1303.000	858.300	1304.000	859.400	1304.500
GR	860.100	1309.000	863.500	1385.000	872.500	1485.000	873.600	1496.000	874.400	1500.000
GR	878.800	1600.000	881.100	1700.000	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	3.000	0.010	7.100	0.0	0.0	0.0

ROND STREET MXLCEL 860.9 RDELV 866.4

CAUTION SECNO= 225.000 PROFILE AT CRITICAL POINT APPROX

X1	910.000	0.0	0.0	0.0	60.000	60.000	60.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	860.900	866.400	0.0	0.0	0.0	0.0	0.0
BT	12.000	1000.000	881.400	0.0	1100.000	875.400	0.0	1200.000	869.600	0.0
BT	1301.500	866.400	859.400	1302.000	866.400	860.500	1303.000	866.400	860.900	1304.000
BT	866.400	860.500	1304.500	866.400	859.400	1400.000	868.800	0.0	1500.000	873.900
BT	0.0	1600.000	878.800	0.0	1700.000	881.100	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	960.000	10.000	1214.000	1224.000	50.000	50.000	50.000	0.0	-1.300	0.0
GR	878.000	1000.000	869.500	1100.000	863.700	1200.000	862.900	1214.000	861.200	1217.000
GR	861.200	1219.000	863.400	1224.000	866.800	1300.000	875.800	1400.000	878.000	1420.000

XJ	1010.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	1.300	0.0
EJ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

0.04 1.14 6.00 0.0 0.055 0.035 0.055 0.033 861.20 1207.10
 0.015473 50. 50. 50. 20 5 0 0.0 16.65 1225.76

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T1 THOMASVILLE-DAVIDSON CO. STRM 38T
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	3.	0.	0.	0.042000	0.0	0.0	0.	849.100	0.0
J2	NPROF	IPLOT	PREVS	XSECV	XSECH	FN	ALLDC	IBW	CHNAM	ITRACE
	2.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

*PROF 2

CCHV= 0.100 CEHV= 0.300

*SECNO 225.000

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLUSS	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

3720 CRITICAL DEPTH ASSUMED

225.00	2.54	845.64	845.64	849.10	846.05	0.41	0.0	0.0	845.10
189.	2.	171.	17.	2.	32.	14.	0.	0.	845.20
0.0	1.05	5.42	1.15	0.055	0.035	0.055	0.0	845.10	1237.24
0.008740	225.	225.	225.	0	15	0	0.0	77.48	1314.72

*SECNO 750.000

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLUSS	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

3685.20 TRIALS ATTEMPTED WSEL,CWSEL

3693 PROBABLE MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

750.00	2.94	858.24	858.24	0.0	858.74	0.50	4.67	0.03	857.00
172.	29.	135.	8.	13.	21.	6.	1.	1.	857.50
0.03	2.12	6.33	1.33	0.055	0.035	0.055	0.035	855.30	1192.39
0.009078	525.	525.	525.	20	8	0	0.0	48.18	1249.57

*SECNO 900.000

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLUSS	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

CAUTION SECNO= 225.000 PROFILE= CRITICAL DEPTH ASSUMED

0.21 0.38 0.93 0.25 0.055 0.035 0.055 0.033 861.20 1137.86
 0.000059 50. 50. 50. 0 0 0 0.0 167.74 1305.60

 HFC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50, 51, 57

T1 THOMASVILLE-DAVIDSON CO. STRM 387
 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 Q WSEL FQ
 -10. 4. 0. 0. 0.042000 0.0 0.0 0. 851.100 0.0

J2 NPROF IPILOT PREVS XSECV XSECH EN ALLDC IBW CHNIM ITRACE
 3.000 0.0 -1.000 0.0 0.0 0.0 0.0 0.0 0.0 0.0

*PROF 3

CCHV= 0.100 CEHV= 0.300
 *SECNO 225.000

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

3720 CRITICAL DEPTH ASSUMED

225.00	2.75	845.85	845.85	851.10	846.29	0.44	0.0	0.0	845.10
252.	4.	208.	41.	3.	36.	27.	0.	0.	845.20
0.0	1.30	5.84	1.51	0.055	0.035	0.055	0.0	843.10	1234.98
0.008666	225.	225.	225.	0	22	0	0.0	92.89	1327.87

*SECNO 750.000

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

3685 20 TRIALS ATTEMPTED WSEL,CWSEL

3693 PROBABLE MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

750.00	3.19	858.49	858.49	0.0	859.04	0.55	4.69	0.03	857.00
230.	48.	164.	18.	19.	24.	11.	1.	1.	857.50
0.03	2.44	6.88	1.63	0.055	0.035	0.055	0.035	855.30	1188.02
0.009231	525.	525.	525.	20	11	0	0.0	58.22	1246.24

*SECNO 800.000

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

0.18 0.45 1.10 0.45 0.055 0.035 0.035 0.035 861.20 1132.65
 0.000075 50. 50. 50. 0 0 0 0.0 176.31 1308.96

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T1 THOMASVILLE-DAVIDSON CO. STRM 3BT
 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 EQ
 -10. 5. 0. 0. 0.042000 0.0 0.0 0. 852.100 0.0

J2 NPROF IPLOT PREVS XSECV XSECH EN ALLOC IBW CHNIM ITRACE
 15.000 0.0 -1.000 0.0 0.0 0.0 0.0 0.0 0.0 0.0

*PROF 4

CGHV= 0.100 CEHV= 0.500
 *SECNO 225.000

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLUSS	BANK ELEV
0	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

3720 CRITICAL DEPTH ASSUMED

225.00	3.20	846.30	846.30	852.10	846.75	0.44	0.0	0.0	845.10
422.	13.	282.	127.	8.	44.	64.	0.	0.	845.20
0.0	1.69	6.38	1.99	0.055	0.035	0.055	0.0	845.10	1230.06
0.007726	225.	225.	225.	0	17	0	0.0	126.44	1356.49

*SECNO 750.000

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLUSS	BANK ELEV
0	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

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

750.00	3.70	859.00	859.00	0.0	859.62	0.62	4.46	0.05	857.00
387.	104.	229.	54.	35.	29.	25.	1.	1.	857.50
0.03	2.97	7.91	2.17	0.055	0.035	0.055	0.035	855.30	1179.32
0.009452	525.	525.	525.	20	11	0	0.0	78.21	1257.52

*SECNO 800.000

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLUSS	BANK ELEV
0	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

MADE IN U.S.A.

0.13 0.61 1.50 0.62 0.055 0.035 0.055 0.033 861.20 1123.46
 0.000125 50. 50. 50. 0 0 0 0.0 191.42 1314.88

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NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

10 YEAR FLOOD WATER SURF

SUMMARY PRINTOUT

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRKWS	VCH	SSTA	ENDST	AREA	DIWSP
* 225.000	225.00	0.0	0.0	86.00	843.10	844.74	844.74	5.65	1243.54	1259.14	15.23	0.0
* 225.000	225.00	0.0	0.0	189.00	843.10	845.64	845.64	5.42	1237.24	1314.72	47.55	0.90
* 225.000	225.00	0.0	0.0	252.00	843.10	845.85	845.85	5.84	1234.98	1327.87	65.48	0.21
* 225.000	225.00	0.0	0.0	422.00	843.10	846.30	846.30	6.38	1230.06	1356.49	115.71	0.46
* 750.000	525.00	0.0	0.0	79.00	855.30	857.39	857.39	6.00	1207.10	1223.76	14.27	0.0
* 750.000	525.00	0.0	0.0	172.00	855.30	858.24	858.24	6.33	1192.39	1240.57	40.97	0.85
* 750.000	525.00	0.0	0.0	230.00	855.30	858.49	858.49	6.88	1188.02	1246.24	54.45	0.25
* 750.000	525.00	0.0	0.0	387.00	855.30	859.00	859.00	7.91	1179.32	1257.52	88.89	0.50
* 800.000	50.00	0.0	0.0	79.00	856.60	858.69	858.69	6.00	1207.09	1223.76	14.27	0.0
* 800.000	50.00	0.0	0.0	172.00	856.60	859.53	859.53	6.41	1192.66	1240.23	40.23	0.83
* 800.000	50.00	0.0	0.0	230.00	856.60	859.80	859.80	6.84	1187.89	1246.41	54.91	0.28
* 800.000	50.00	0.0	0.0	387.00	856.60	860.31	860.31	7.82	1179.05	1257.87	90.12	0.51
* 850.000	50.00	0.0	0.0	79.00	857.90	860.47	860.47	5.72	1283.87	1317.17	20.03	0.0
* 850.000	50.00	0.0	0.0	172.00	857.90	860.87	860.87	6.74	1276.83	1326.30	36.93	0.41
* 850.000	50.00	0.0	0.0	230.00	857.90	861.05	861.05	7.15	1273.76	1330.28	46.36	0.18
* 850.000	50.00	0.0	0.0	387.00	857.90	861.48	861.48	7.45	1266.44	1339.77	73.94	0.42
9+10	60.00	865.40	860.90	79.00	857.90	860.47	0.0	5.69	1283.83	1317.23	20.12	0.0
910.000	60.00	866.40	860.90	172.00	857.90	867.30	0.0	0.18	1172.00	1427.27	1089.12	6.84
910.000	60.00	866.40	860.90	230.00	857.90	867.61	0.0	0.22	1168.44	1430.64	1167.38	0.30
910.000	60.00	866.40	860.90	387.00	857.90	868.14	0.0	0.33	1162.15	1436.58	1310.84	0.53
* 960.000	50.00	0.0	0.0	79.00	859.90	862.00	862.00	5.98	1207.04	1223.77	14.33	0.0
960.000	50.00	0.0	0.0	172.00	859.90	867.30	0.0	0.57	1115.45	1320.05	631.96	5.31
960.000	50.00	0.0	0.0	230.00	859.90	867.61	0.0	0.69	1110.25	1323.40	694.94	0.30
960.000	50.00	0.0	0.0	387.00	859.90	868.14	0.0	0.99	1101.07	1329.31	812.45	0.53
* 1010.000	50.00	0.0	0.0	79.00	861.20	863.29	863.29	6.00	1207.10	1223.76	14.26	0.0
1010.000	50.00	0.0	0.0	172.00	861.20	867.30	0.0	0.93	1137.86	1305.60	389.94	4.01
1010.000	50.00	0.0	0.0	230.00	861.20	867.60	0.0	1.10	1132.65	1308.96	441.93	0.30
1010.000	50.00	0.0	0.0	387.00	861.20	868.14	0.0	1.50	1123.46	1314.88	539.97	0.53

SUMMARY OF ERRORS

CAUTION SECNO= 225.000 PROFILE= 1 CRITICAL DEPTH ASSUMED