
 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERFOR CORR - 01
 MODIFICATION - 50,51,52

C
 T1 DAVIDSON COUNTY BASIN C STREAM 10
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INV	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO	
	-1.	2.	0.	0.	0.006000	0.0	0.0	0.	704.100	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	700.000	1290.000	1550.000	2220.000	1550.000	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	470.000	13.000	1291.000	1312.000	470.000	470.000	470.000	0.0	-2.800	0.0	
GR	714.100	1000.000	710.000	1100.000	709.700	1137.000	706.100	1150.000	704.100	1200.000	
GR	703.700	1291.000	702.400	1300.000	702.200	1300.000	702.100	1310.000	704.000	1312.000	
SR	709.300	1337.000	709.700	1400.000	713.900	1500.000	0.0	0.0	0.0	0.0	
X1	570.000	20.000	1307.300	1318.800	100.000	100.000	100.000	0.0	0.0	0.0	
NC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0	
GR	714.100	1000.000	712.000	1008.000	709.300	1108.000	707.200	1145.000	704.600	1158.000	
GR	702.600	1208.000	703.200	1307.300	701.400	1308.000	700.700	1309.800	701.400	1311.600	
SR	703.200	1312.300	703.000	1313.800	701.400	1314.500	700.700	1316.300	701.400	1318.100	
GR	703.200	1318.000	707.000	1345.000	708.200	1408.000	712.400	1508.000	714.100	1554.000	
SR	0.900	1.500	2.500	0.0	7.900	0.010	39.300	0.0	0.0	0.0	
	RDEL ENTR. TRAILR. CRT				705.7	RDELV				709.3	
X1	651.000	0.0	0.0	0.0	61.000	61.000	61.000	0.0	0.0	0.0	
X2	0.0	0.0	1.000	705.700	709.300	0.0	0.0	0.0	0.0	0.0	
BT	17.000	1000.000	714.100	0.0	1100.000	711.600	0.0	1200.000	709.900	0.0	
BT	1300.000	709.300	0.0	1307.300	709.300	703.200	1308.000	709.300	705.200	1309.800	
BT	709.300	705.700	1311.600	709.300	705.200	1312.300	709.300	703.200	1313.800	709.300	
BT	703.200	1314.500	709.300	705.200	1316.300	709.300	705.700	1318.100	709.300	705.200	
BT	1318.800	709.300	703.200	1400.000	710.200	0.0	1500.000	713.000	0.0	1554.000	
BT	714.100	0.0	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	731.000	13.000	1291.000	1312.000	100.000	100.000	100.000	0.0	0.0	0.0
GR	714.100	1000.000	710.800	1100.000	709.700	1137.000	706.100	1150.000	704.100	1200.000
GR	703.700	1291.000	702.400	1300.000	702.200	1300.000	702.100	1310.000	704.000	1312.000
GR	709.300	1337.000	709.700	1400.000	713.900	1500.000	0.0	0.0	0.0	0.0

X1	1300.100	0.0	0.0	0.0	569.000	569.000	569.000	0.0	1.700	0.0
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X1	1500.000	0.0	0.0	0.0	500.000	500.000	500.000	0.0	2.600	0.0
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X1	1850.000	11.000	1340.000	1355.000	550.000	550.000	550.000	0.0	-1.700	0.0
GR	712.500	1000.000	710.600	1100.000	710.900	1200.000	711.100	1300.000	711.600	1340.000
GR	707.600	1342.000	707.400	1346.000	707.600	1351.000	711.800	1355.000	717.100	1400.000
GR	722.200	1420.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	700.000	1290.000	1550.000	2220.000	1550.000	0.0	0.0	0.0	0.0

ROND PRIVATE DRIVE MXLCEL 715.2 RDELV 719.3

X1	2412.000	0.0	0.0	0.0	562.000	562.000	562.000	0.0	1.700	0.0
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X1	2462.000	17.000	1468.800	1477.300	50.000	50.000	50.000	0.0	0.0	0.0
GR	728.200	1000.000	713.300	1127.000	711.400	1227.000	711.700	1327.000	711.900	1427.000
GR	712.400	1467.000	710.100	1468.800	709.100	1469.000	708.400	1471.000	708.200	1473.000
GR	708.400	1475.000	709.100	1477.000	710.100	1477.300	712.600	1482.000	717.900	1527.000
GR	723.000	1547.000	732.200	1600.000	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	5.700	0.010	40.000	0.0	0.0	0.0

X1	2488.000	0.0	0.0	0.0	26.000	26.000	26.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	715.200	715.900	0.0	0.0	0.0	0.0	0.0
BT	14.000	1000.000	728.200	0.0	1100.000	725.100	0.0	1200.000	716.700	0.0
BT	1300.000	715.900	0.0	1400.000	716.500	0.0	1468.800	719.300	710.100	1469.000
BT	719.300	712.500	1471.000	719.300	714.800	1473.000	719.300	715.200	1475.000	719.300
BT	714.800	1477.000	719.300	712.500	1477.300	719.300	710.100	1500.000	721.400	0.0
BT	1600.000	732.200	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	2538.000	11.000	1340.000	1355.000	50.000	50.000	50.000	0.0	1.600	0.0
GR	712.500	1000.000	710.600	1100.000	710.900	1200.000	711.100	1300.000	711.600	1340.000
GR	707.600	1342.000	707.400	1346.000	707.600	1351.000	711.800	1355.000	717.100	1400.000
GR	722.200	1420.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	680.000	1290.000	1510.000	2180.000	1510.000	0.0	0.0	0.0	0.0

X1	3390.000	11.000	1273.000	1293.000	852.000	852.000	852.000	0.0	0.0	0.0
GR	715.800	1000.000	714.000	1100.000	714.800	1200.000	715.700	1273.000	711.500	1275.000
GR	711.100	1280.000	711.700	1285.000	715.600	1293.000	715.100	1300.000	715.800	1330.000
SP	722.200	1370.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.060	0.060	0.040	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	3490.000	17.000	1525.000	1550.000	100.000	100.000	100.000	0.0	0.0	0.0
GR	734.900	1000.000	727.000	1100.000	721.700	1200.000	719.600	1300.000	719.300	1400.000
GR	719.200	1500.000	719.900	1525.000	715.900	1525.000	712.600	1530.000	712.600	1539.000
GR	712.700	1543.000	712.900	1550.000	720.200	1550.000	722.300	1600.000	726.200	1700.000
GR	732.200	1800.000	734.900	1835.000	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	25.000	0.010	128.000	0.0	0.0	0.0

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

T1 DAVIDSON COUNTY BASIN C STREAM 10
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INR	NINY	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	3.	0.	0.	0.006000	0.0	0.0	0.	705.100	0.0
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	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 470.000

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	YLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
470.00	3.92	703.22	0.0	705.10	703.63	0.41	0.0	0.0	700.90
1290.	758.	512.	20.	239.	71.	10.	0.	0.	701.20
0.0	3.18	7.19	2.07	0.055	0.035	0.055	0.0	699.30	1152.08
0.005994	470.	470.	470.	0	0	4	0.0	169.43	1321.51

*SECNO 570.000
 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	YLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

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

570.00	3.61	704.31	704.31	0.0	704.91	0.60	0.65	0.06	703.20
1290.	1049.	229.	12.	177.	31.	4.	1.	0.	703.20
0.00	5.92	7.44	3.35	0.025	0.025	0.025	0.025	700.70	1165.15
0.007061	100.	100.	100.	20	10	0	0.0	160.00	1325.14

SPECIAL BRIDGE

5070,VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED

SB	XK	XKOR	COFQ	ROLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	0.90	1.50	2.50	0.0	7.90	0.01	39.30	0.0	700.70	700.70

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
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 MODIFICATION - 50,51,52

T1 DAVIDSON COUNTY BASIN C STREAM 10
 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	EQ
	-10.	4.	0.	0.	0.006000	0.0	0.0	0.	707.100	0.0
J2	NPROF	IPL0T	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

*PROF 3

CCHV= 0.100 CEHV= 0.300
 *SECNO 470.000

SECNO	DEPTH	CWSEL	CRHS	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
470.00	4.18	703.48	0.0	707.10	703.92	0.44	0.0	0.0	700.90
1550.	944.	579.	28.	276.	77.	12.	0.	0.	701.20
0.0	3.42	7.53	2.24	0.055	0.035	0.055	0.0	699.30	1149.34
0.005945	470.	470.	470.	0	0	5	0.0	173.43	1322.77

*SECNO 570.000
 CCHV= 0.100 CEHV= 0.300

SECNO	DEPTH	CWSEL	CRHS	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

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

570.00	3.79	704.49	704.49	0.0	705.15	0.66	0.64	0.07	703.20
1550.	1280.	253.	17.	203.	33.	5.	1.	0.	703.20
0.00	6.31	7.69	3.66	0.025	0.025	0.025	0.025	700.70	1160.68
0.006919	100.	100.	100.	20	10	0	0.0	165.48	1326.16

SPECIAL BRIDGE

5070,VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED

SB	XK	XKOR	COFO	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	0.90	1.50	2.50	0.0	7.90	0.01	39.30	0.0	700.70	700.70

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,112

T1 DAVIDSON COUNTY BASIN C STREAM 10
 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.	0.006000	0.0	0.0	0.	708.100	0.0
J2	WPROF	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

*PROF 4

CCHV= 0.100 CEHV= 0.300
 *SECNO 470.000

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
470.00	4.77	704.07	0.0	708.10	704.58	0.52	0.0	0.0	700.90
2220.	1430.	740.	51.	359.	89.	19.	0.	0.	701.20
0.0	3.98	8.30	2.61	0.055	0.035	0.055	0.0	699.30	1147.23
0.005932	470.	470.	470.	0	0	5	0.0	178.29	1325.52

*SECNO 570.000
 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

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

570.00	4.19	704.89	704.89	0.0	705.71	0.82	0.63	0.09	703.29
2220.	1879.	307.	35.	262.	37.	8.	1.	0.	703.20
0.00	7.17	8.19	4.27	0.025	0.025	0.025	0.025	700.70	1156.96
0.006611	100.	100.	100.	20	10	0	0.0	171.46	1328.42

SPECIAL BRIDGE

5070 VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED

SB	XK	XKOR	COFO	RLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	0.90	1.50	2.50	0.0	7.90	0.01	39.30	0.0	700.70	700.70

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
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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

	SECS	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRIWS	VCH	SSTA	ENDST	AREA	DIFWSP
A	470.000	470.00	0.0	0.0	700.00	699.30	702.48 ✓	0.0	6.11	1170.45	1318.05	202.97	0.0
	470.000	470.00	0.0	0.0	1290.00	699.30	703.22 ✓	0.0	7.19	1152.08	1321.51	319.45	0.73
	470.000	470.00	0.0	0.0	1550.00	699.30	703.48 ✓	0.0	7.53	1149.34	1322.77	365.22	0.27
	470.000	470.00	0.0	0.0	2220.00	699.30	704.07 ✓	0.0	8.30	1147.23	1325.52	467.91	0.58
*	570.000	100.00	0.0	0.0	700.00	700.70	703.84 ✓	703.84	6.68	1177.02	1322.44	138.97	0.0
*	570.000	100.00	0.0	0.0	1290.00	700.70	704.31 ✓	704.31	7.44	1165.15	1325.14	211.49	0.47
*	570.000	100.00	0.0	0.0	1550.00	700.70	704.49 ✓	704.49	7.69	1160.68	1326.16	240.57	0.18
*	570.000	100.00	0.0	0.0	2220.00	700.70	704.89 ✓	704.89	8.19	1156.96	1328.42	307.66	0.40
	631.000	61.00	709.30	705.70	700.00	700.70	703.84 ✓	0.0	6.67	1176.98	1322.45	139.19	0.0
	631.000	61.00	709.30	705.70	1290.00	700.70	704.32 ✓	0.0	7.42	1165.09	1325.16	211.88	0.48
	631.000	61.00	709.30	705.70	1550.00	700.70	704.50 ✓	0.0	7.67	1160.61	1326.18	241.06	0.18
	631.000	61.00	709.30	705.70	2220.00	700.70	711.52 ✓	0.0	1.08	1040.37	1487.33	2125.31	7.03
*	731.000	100.00	0.0	0.0	700.00	702.10	705.05	705.05	7.30	1176.27	1316.95	169.41	0.0
*	731.000	100.00	0.0	0.0	1290.00	702.10	705.55	705.55	9.40	1163.71	1319.32	243.81	0.50
*B	731.000	100.00	0.0	0.0	1550.00	702.10	705.83	705.83	9.58	1156.82	1320.62	287.83	0.28
	731.000	100.00	0.0	0.0	2220.00	702.10	711.51	0.0	2.52	1078.44	1443.13	1588.55	5.68
	1300.100	569.00	0.0	0.0	700.00	703.80	707.62	0.0	4.11	1154.49	1321.06	303.27	0.0
	1300.100	569.00	0.0	0.0	1290.00	703.80	708.55	0.0	4.87	1147.32	1325.40	463.32	0.93
	1300.100	569.00	0.0	0.0	1550.00	703.80	708.83	0.0	5.23	1146.28	1326.76	515.00	0.28
	1300.100	569.00	0.0	0.0	2220.00	703.80	711.65	0.0	3.49	1128.45	1406.05	1087.41	2.82
	1500.000	500.00	0.0	0.0	700.00	706.40	709.31	0.0	7.58	1177.38	1316.74	163.20	0.0
	1500.000	500.00	0.0	0.0	1290.00	706.40	710.12	0.0	8.00	1156.99	1320.59	286.76	0.82
C	1500.000	500.00	0.0	0.0	1550.00	706.40	710.43	0.0	8.14	1149.89	1322.05	339.05	0.31
	1500.000	500.00	0.0	0.0	2220.00	706.40	712.01	0.0	6.15	1144.20	1329.49	620.63	1.57
	1850.000	550.00	0.0	0.0	700.00	705.70	710.94	0.0	2.67	1000.00	1362.12	580.30	0.0
D	1850.000	550.00	0.0	0.0	1290.00	705.70	711.70	0.0	3.05	1000.00	1368.57	857.64	0.76
	1850.000	550.00	0.0	0.0	1550.00	705.70	711.98	0.0	3.18	1000.00	1371.03	964.72	0.28
	1850.000	550.00	0.0	0.0	2220.00	705.70	712.90	0.0	3.15	1000.00	1378.75	1305.71	0.92
*	2412.000	562.00	0.0	0.0	700.00	707.40	711.55	711.55	6.14	1050.08	1354.76	214.24	0.0
	2412.000	562.00	0.0	0.0	1290.00	707.40	712.24	0.0	4.84	1013.52	1358.77	439.48	0.69
	2412.000	562.00	0.0	0.0	1550.00	707.40	712.49	0.0	4.65	1000.30	1360.90	528.16	0.25
E	2412.000	562.00	0.0	0.0	2220.00	707.40	713.24	0.0	3.92	1000.00	1367.18	797.64	0.75

699.3
 699.3

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
* 2462.000	50.00	0.0	0.0	700.00	708.20	712.43	712.43	6.61	1172.61	1481.69	231.06	0.0
* 2462.000	50.00	0.0	0.0	1290.00	708.20	712.70	712.70	8.38	1158.53	1482.86	315.67	0.27
* 2462.000	50.00	0.0	0.0	1550.00	708.20	712.91	712.81	8.81	1152.74	1483.79	351.75	0.11
2462.000	50.00	0.0	0.0	2220.00	708.20	713.02	0.0	9.99	1141.49	1485.61	423.92	0.21
2488.000	26.00	715.90	715.20	700.00	708.20	712.43	0.0	6.60	1172.57	1481.69	231.29	0.0
2488.000	26.00	715.90	715.20	1290.00	708.20	712.70	0.0	8.37	1158.46	1482.87	316.15	0.27
2488.000	26.00	715.90	715.20	1550.00	708.20	712.81	0.0	8.79	1152.66	1483.80	352.24	0.11
2488.000	26.00	715.90	715.20	2220.00	708.20	713.02	0.0	10.03	1141.70	1485.57	422.52	0.21
* 2538.000	50.00	0.0	0.0	700.00	709.00	713.29	713.29	6.52	1042.64	1354.89	257.51	0.0
* 2538.000	50.00	0.0	0.0	1290.00	709.00	713.64	713.64	8.21	1024.46	1357.00	369.02	0.35
* 2538.000	50.00	0.0	0.0	1550.00	709.00	713.76	713.76	8.77	1017.97	1358.05	410.48	0.12
* 2538.000	50.00	0.0	0.0	2220.00	709.00	713.97	713.97	10.44	1006.74	1359.86	484.43	0.21
G 3390.000	852.00	0.0	0.0	680.00	711.10	716.07	0.0	3.61	1026.01	1331.03	399.16	0.0
3390.000	852.00	0.0	0.0	1250.00	711.10	716.80	0.0	4.07	1000.00	1333.79	633.31	0.73
3390.000	852.00	0.0	0.0	1510.00	711.10	717.05	0.0	4.25	1000.00	1334.74	716.92	0.26
3390.000	852.00	0.0	0.0	2180.00	711.10	717.64	0.0	4.61	1000.00	1336.96	914.89	0.59
* 3490.000	100.00	0.0	0.0	680.00	712.60	715.83	715.83	9.60	1525.11	1550.00	70.81	0.0
* 3490.000	100.00	0.0	0.0	1250.00	712.60	717.24	717.24	11.77	1525.00	1550.00	106.20	1.42
* 3490.000	100.00	0.0	0.0	1510.00	712.60	717.81	717.81	12.53	1525.00	1550.00	120.51	0.57
* 3490.000	100.00	0.0	0.0	2180.00	712.60	720.47	720.47	8.74	1258.61	1556.41	452.53	2.65
3510.000	20.00	719.20	718.30	680.00	712.60	715.83	0.0	9.59	1525.10	1550.00	70.93	0.0
3510.000	20.00	719.20	718.30	1250.00	712.60	717.40	0.0	11.34	1525.00	1550.00	110.21	1.56
3510.000	20.00	719.20	718.30	1510.00	712.60	717.94	0.0	12.19	1525.00	1550.00	123.87	0.55
3510.000	20.00	719.20	718.30	2180.00	712.60	720.68	0.0	7.91	1248.53	1561.45	517.18	2.73
* 3610.000	100.00	0.0	0.0	680.00	714.10	718.32	718.32	7.04	1052.77	1309.54	192.63	0.0
* 3610.000	100.00	0.0	0.0	1250.00	714.10	719.85	0.0	3.96	1000.00	1333.97	648.32	1.53
* 3610.000	100.00	0.0	0.0	1510.00	714.10	720.64	0.0	3.21	1000.00	1336.93	911.84	0.78
* 3610.000	100.00	0.0	0.0	2180.00	714.10	721.52	0.0	3.32	1000.00	1340.26	1211.41	6.88
* 440.500	795.00	0.0	0.0	680.00	717.25	722.01	0.0	4.31	1033.72	1330.21	334.28	0.0
* 440.500	795.00	0.0	0.0	1250.00	717.25	722.03	722.03	7.79	1033.02	1330.29	340.09	0.01
* 440.500	795.00	0.0	0.0	1510.00	717.25	722.07	722.07	9.09	1031.53	1330.44	352.46	0.04
440.500	795.00	0.0	0.0	2180.00	717.25	722.54	0.0	9.16	1014.51	1332.24	499.38	0.48
I 5200.000	795.00	0.0	0.0	660.00	717.40	723.24	0.0	2.76	1281.51	1645.02	481.58	0.0
5200.000	795.00	0.0	0.0	1200.00	717.40	724.04	0.0	3.05	1253.71	1649.85	787.37	0.80
5200.000	795.00	0.0	0.0	1480.00	717.40	724.36	0.0	3.21	1242.85	1651.74	914.18	0.32
5200.000	795.00	0.0	0.0	2100.00	717.40	724.86	0.0	3.65	1225.54	1654.76	1124.52	0.50
632.500	1125.00	0.0	0.0	660.00	719.90	724.94	0.0	5.20	1393.27	1640.24	257.63	0.0
632.500	1125.00	0.0	0.0	1200.00	719.90	725.64	0.0	5.38	1284.92	1644.42	447.52	0.70
632.500	1125.00	0.0	0.0	1480.00	719.90	725.93	0.0	5.41	1274.74	1646.19	553.34	0.29
632.500	1125.00	0.0	0.0	2100.00	719.90	726.49	0.0	5.49	1255.46	1649.55	767.37	0.56
* J 7450.000	1125.00	0.0	0.0	640.00	722.40	729.60	728.06	6.95	1289.64	1450.87	125.80	0.0
* 7450.000	1125.00	0.0	0.0	1150.00	722.40	730.47	730.47	7.01	1276.87	1676.32	354.61	0.87
* 7450.000	1125.00	0.0	0.0	1410.00	722.40	730.59	730.59	7.82	1275.13	1680.12	399.66	0.12
* 7450.000	1125.00	0.0	0.0	2000.00	722.40	731.00	731.00	8.10	1259.15	1680.65	562.61	0.41

SUMMARY OF ERRORS

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRIMS	VCH	SSTA	ENDST	AREA	DIFWSP
8875.000	1425.00	0.0	0.0	630.00	725.90	733.68	0.0	4.50	1192.41	1400.48	150.39	0.0
8875.000	1425.00	0.0	0.0	1140.00	725.90	734.30	0.0	5.56	1164.99	1403.19	358.91	1.01
8875.000	1425.00	0.0	0.0	1400.00	725.90	735.32	0.0	5.65	1153.24	1404.35	444.93	0.43
8875.000	1425.00	0.0	0.0	1950.00	725.90	735.69	0.0	6.24	1138.17	1405.84	589.54	0.57

CAUTION SECNO= 570.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 570.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 570.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
 CAUTION SECNO= 570.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 570.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 570.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
 CAUTION SECNO= 570.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 570.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 570.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
 CAUTION SECNO= 570.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 570.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 570.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 731.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 731.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 731.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
 CAUTION SECNO= 731.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 731.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 731.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
 CAUTION SECNO= 731.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 731.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 731.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 2412.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 2412.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 2462.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 2462.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 2462.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
 CAUTION SECNO= 2462.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 2462.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 2462.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
 CAUTION SECNO= 2462.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 2462.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 2462.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 2538.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 2538.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 2538.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
 CAUTION SECNO= 2538.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 2538.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 2538.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
 CAUTION SECNO= 2538.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 2538.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 2538.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
 CAUTION SECNO= 2538.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 2538.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 2538.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 3490.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3490.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3490.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 3490.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3490.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3490.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 3490.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3490.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3490.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 3490.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3490.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3490.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 3610.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3610.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 440.500 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 440.500 PROFILE= 2 MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 440.500 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 440.500 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 440.500 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 7450.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 7450.000 PROFILE= 2 MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 7450.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 7450.000 PROFILE= 3 MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 7450.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 7450.000 PROFILE= 4 MINIMUM SPECIFIC ENERGY

FLOOD INSURANCE ZONE DATA FOR 10 YEAR FLOOD WATER SURF

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
		10'	2'	0.2'
470,000	0.	-1.0	-0.3	0.6
570,000	100.	-0.7	-0.2	0.4
631,000	161.	-0.7	-0.2	7.0
731,000	261.	-0.8	-0.3	5.7
1300,100	830.	-1.2	-0.3	2.8
1500,000	1330.	-1.1	-0.3	1.6
1850,000	1880.	-1.0	-0.3	0.9
2412,000	2442.	-0.9	-0.3	0.8
2462,000	2492.	-0.4	-0.1	0.2
2488,000	2518.	-0.4	-0.1	0.2
2538,000	2568.	-0.5	-0.1	0.2
3390,000	3420.	-1.0	-0.3	0.6
3490,000	3520.	-2.0	-0.6	2.7
3510,000	3540.	-2.1	-0.5	2.7
3610,000	3640.	-2.3	-0.8	0.9
440,500	4435.	-0.1	-0.0	0.5
5200,000	5230.	-1.1	-0.3	0.5
632,500	6355.	-1.0	-0.3	0.6
7450,000	7480.	-1.0	-0.1	0.4
8875,000	8905.	-1.4	-0.4	0.6

 WEIGHTED AVG FOR REACH -1.0 -0.3 1.0

FHF FOR THE REACH = 010 WITH 97.8% OF THE REACH WITHIN 0.5 FEET
 ZONE FOR THE REACH = A 2

HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
ERROR CORR - .01
MODIFICATION - 50,51,52

EU

	0.055	0.055	0.035	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	731.000	13.000	1291.000	1312.000	100.000	100.000	100.000	0.0	0.0	0.0
GR	714.100	1000.000	710.000	1100.000	709.700	1137.000	706.100	1150.000	704.100	1200.000
GR	703.700	1291.000	702.400	1300.000	702.200	1300.000	702.100	1310.000	704.000	1312.000
SR	709.300	1337.000	709.700	1400.000	713.900	1500.000	0.0	0.0	0.0	0.0
X1	1300.100	0.0	0.0	0.0	569.000	569.000	569.000	0.0	1.700	0.0
X1	1500.000	0.0	0.0	0.0	500.000	500.000	500.000	0.0	2.600	0.0
ET	5.000	0.0	0.0	0.0	0.0	-2.400	0.0	0.0	0.0	0.0
X1	1350.000	11.000	1340.000	1355.000	550.000	550.000	550.000	0.0	-1.700	0.0
GR	712.500	1000.000	710.000	1100.000	710.900	1200.000	711.100	1300.000	711.600	1340.000
GR	707.600	1342.000	707.400	1346.000	707.600	1351.000	711.800	1355.000	717.100	1400.000
GR	722.200	1420.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0
BT	5.000	700.000	1200.000	1550.000	2220.000	1550.000	0.0	0.0	0.0	0.0

ROAD PRIVATE DRIVE EXLCEL 715.2 RDELV 719.3

X1	2412.000	0.0	0.0	0.0	562.000	562.000	562.000	0.0	1.700	0.0
ET	5.000	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0
X1	2462.000	17.000	1468.000	1477.300	50.000	50.000	50.000	0.0	0.0	0.0
GR	726.200	1000.000	715.300	1127.000	711.400	1227.000	711.700	1327.000	711.900	1427.000
GR	712.400	1467.000	710.100	1468.000	709.100	1469.000	708.400	1471.000	708.200	1473.000
GR	708.400	1475.000	709.100	1477.000	710.100	1477.300	712.600	1482.000	717.900	1527.000
GR	723.000	1547.000	732.200	1600.000	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	5.700	0.010	40.000	0.0	0.0	0.0
X1	2490.000	0.0	0.0	0.0	26.000	26.000	26.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	715.200	715.900	0.0	0.0	0.0	0.0	0.0
BT	14.000	1000.000	728.200	0.0	1100.000	725.100	0.0	1200.000	716.700	0.0
BT	1300.000	715.000	0.0	1400.000	716.500	0.0	1468.800	719.300	710.100	1469.000
BT	710.300	712.500	1471.000	719.300	714.800	1473.000	719.300	715.200	1475.000	719.300
BT	714.800	1477.000	719.300	712.500	1477.300	719.300	710.100	1500.000	721.400	0.0
BT	1600.000	732.200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TC	0.055	0.055	0.035	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	2531.000	11.000	1290.000	1355.000	50.000	50.000	50.000	0.0	1.600	0.0
GR	712.500	1000.000	710.000	1100.000	710.900	1200.000	711.100	1300.000	711.600	1340.000
GR	707.600	1342.000	707.400	1346.000	707.600	1351.000	711.800	1355.000	717.100	1400.000
GR	722.200	1420.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0
BT	5.000	700.000	1200.000	1550.000	2100.000	1510.000	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	-5.400	0.0	0.0	0.0	0.0
X1	3390.000	11.000	1273.000	1293.000	852.000	852.000	852.000	0.0	0.0	0.0
GR	710.300	1000.000	714.000	1100.000	714.800	1200.000	715.700	1273.000	711.500	1275.000
GR	711.100	1280.000	711.700	1285.000	715.600	1293.000	715.100	1300.000	715.800	1330.000
GR	726.400	1370.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TC	0.025	0.025	0.025	0.100	0.300	0.0	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	3490.000	17.000	1525.000	1550.000	100.000	100.000	100.000	0.0	0.0	0.0
GR	734.900	1000.000	727.000	1100.000	721.700	1200.000	719.600	1300.000	719.300	1400.000

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

T1 DAVIDSON COUNTY BASIN C STREAM 10
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 100 YEAR FLOODWAY

J1	ICHECK	INC	MINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	F0
	-10.	5.	0.	0.	0.0	0.0	0.0	0.	704.480	0.0
J2	MPROF	IFLOT	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

*PROF 2

CCHV= 0.100 CCHV= 0.300

*SECD0 470.000

2800 NAT Q1= 200.68 WSEL= 703.48 ENC Q1= 200.68 WSEL= 704.48 RATIO= 0.0

NAT Q1=	359.	RATIOS	LOB	CH	POB=	0.4511	0.3127	0.0262	WSEL=	704.48
SECNO	DEPTH	CHSEL	CRWS	WSELK	EG	HV	HL	OLOSS	BANK	ELEV
0	3.08	0CH	GROR	ALOB	ACH	AROB	VOL	TWA	LEFT	RIGHT
TIME	VLOB	VCH	VROR	XRL	XNCH	XNR	WTN	ELMIN	SSTA	
SLOPE	YLOB	YCH	YROR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST	

3470 ENCROACHMENT STATIONS=	1249.7	1314.5	TYPE=	4	TARGET=	0.441
470.00	5.18	704.48	0.0	703.48	705.31	0.83
1550.	6.52	871.	20.	144.	08.	6.
0.0	4.58	8.30	2.60	0.055	0.035	0.055
0.006027	470.	470.	670.	0	0	0.0

*SECD0 570.000

CCHV= 0.100 CCHV= 0.300

2800 NAT Q1= 186.76 WSEL= 704.49 ENC Q1= 186.76 WSEL= 705.49 RATIO= -0.0000

NAT Q1=	436.	RATIOS	LOB	CH	POB=	0.8627	0.1151	0.0222	WSEL=	705.49
SECNO	DEPTH	CHSEL	CRWS	WSELK	EG	HV	HL	OLOSS	BANK	ELEV
0	3.08	0CH	GROR	ALOB	ACH	AROB	VOL	TWA	LEFT	RIGHT
TIME	VLOB	VCH	VROR	XRL	XNCH	XNR	WTN	ELMIN	SSTA	
SLOPE	YLOB	YCH	YROR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST	

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

3470 ENCROACHMENT STATIONS=	1255.3	1320.8	TYPE=	4	TARGET=	0.571
570.00	4.68	705.38	705.30	704.49	706.71	1.33
1550.	1102.	426.	22.	122.	43.	4.
0.00	9.06	9.88	5.45	0.025	0.025	0.025
						0.025

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

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

100 YEAR FLOOD WATER SUR

SUMMARY PRINTOUT

	SECR0	XLCH	ELTR0	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
A	470.000	470.00	0.0	0.0	1550.00	699.30	703.48	0.0	7.54	1149.35	1322.76	364.79	0.0 174
	470.000	470.00	0.0	0.0	1550.00	699.30	704.48	0.0	8.90	1249.72 ¹³¹⁰	1314.49 ¹³	249.40	1.00
*	570.000	100.00	0.0	0.0	1550.00	700.70	704.49	704.49	7.67	1160.62 ¹⁶⁰	1326.18	240.93	0.0
*	570.000	100.00	0.0	0.0	1550.00	700.70	705.38	705.38	9.88	1255.33	1320.81	168.77	0.89
	631.000	61.00	709.30	705.70	1550.00	700.70	704.50	0.0	7.66	1160.55	1326.19	241.42	0.0
	631.000	61.00	999999.00	0.0	1550.00	700.70	705.40	705.40	9.79	1255.26	1320.82	170.13	0.90
* B	731.000	100.00	0.0	0.0	1550.00	702.10	705.83	705.83	9.57	1156.79	1320.62	288.07	0.0 164
	731.000	100.00	0.0	0.0	1550.00	702.10	706.70	706.70	12.00	1261.84 ¹³¹⁰	1313.55 ¹¹	175.27	0.87
	1300.100	569.00	0.0	0.0	1550.00	703.80	708.83	0.0	5.23	1146.29	1326.76	514.87	0.0
	1300.100	569.00	0.0	0.0	1550.00	703.80	710.27	0.0	5.46	1230.95	1316.46	426.95	1.44
C	1500.000	500.00	0.0	0.0	1550.00	706.40	710.43	0.0	8.13	1149.89 ¹³¹⁰	1322.05	339.10	0.0 172
	1500.000	500.00	0.0	0.0	1550.00	706.40	711.27	0.0	10.11	1253.77 ¹⁶⁰	1314.16 ¹²	216.05	0.84
D	1850.000	550.00	0.0	0.0	1550.00	705.70	711.98	0.0	3.18	1000.00	1371.03	964.73	0.0 292
	1850.000	550.00	0.0	0.0	1550.00	705.70	713.03	0.0	2.42	1070.77 ¹³⁴⁶	1363.20 ¹⁷	1134.13	1.05
E	2412.000	562.00	0.0	0.0	1550.00	707.40	712.49	0.0	4.65	1000.28 ¹³⁵	1360.90 ¹⁷	528.25	0.0 248
	2412.000	562.00	0.0	0.0	1550.00	707.40	713.24	0.0	3.31	1107.21 ¹³¹⁰	1355.00 ¹⁷	603.04	0.75
*	2462.000	50.00	0.0	0.0	1550.00	708.20	712.81	712.81	8.80	1152.70	1483.80	351.99	0.0
*	2462.000	50.00	0.0	0.0	1550.00	708.20	713.78	713.78	10.33	1367.30	1478.98	235.25	0.97
	2488.000	26.00	715.90	715.20	1550.00	708.20	712.81	0.0	8.79	1152.62	1483.81	352.48	0.0
	2488.000	26.00	715.00	715.20	1550.00	708.20	713.81	0.0	3.59	1122.63	1492.30	708.33	1.00
* F	2536.000	50.00	0.0	0.0	1550.00	709.00	713.76	713.76	8.77	1017.95 ¹³⁴⁶	1358.05 ¹¹	410.64	0.0 112
	2536.000	50.00	0.0	0.0	1550.00	709.00	714.73	714.73	10.38	1243.79 ¹⁰²	1356.24 ¹¹	261.64	0.97
G	3390.000	852.00	0.0	0.0	1510.00	711.10	717.05	0.0	4.26	1000.00 ¹⁰²	1334.73	716.82	0.0 206
	3390.000	852.00	0.0	0.0	1510.00	711.10	717.91	0.0	4.00	1111.24 ¹⁶³	1317.31 ¹³⁷	673.16	0.85
*	3490.000	100.00	0.0	0.0	1510.00	712.60	717.81	717.81	12.53	1525.00	1550.00	120.51	0.0
*	3490.000	100.00	0.0	0.0	1510.00	712.60	717.81	717.81	12.54	1525.00	1550.00	120.44	-0.00

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRIWS	VCH	SSTA	ENDST	AREA	DIFWSP
3510.000	20.00	719.20	718.30	1510.00	712.60	717.94	0.0	12.19	1525.00	1550.00	123.87✓	0.0
3510.000	20.00	999999.00	0.0	1510.00	712.60	717.94	0.0	(12.21)	1525.00 ¹⁵³⁷	1550.00 ¹³	123.71	-0.00 ²⁵
3610.000	100.00	0.0	0.0	1510.00	714.10	720.64	0.0	3.21	1000.00	1336.93	911.84	0.0
3610.000	100.00	0.0	0.0	1510.00	714.10	720.71	0.0	4.86	1131.50 ¹²⁸⁰	1314.32 ³⁴	554.21✓	0.08 ¹⁸³
440.500	795.00	0.0	0.0	1510.00	717.25	722.07	722.07	9.09	1031.53	1330.44	352.46	0.0
440.500	795.00	0.0	0.0	1510.00	717.25	723.31	723.31	9.77	1197.28	1300.40	252.41	1.24
5200.000	795.00	0.0	0.0	1480.00	717.40	724.36	0.0	3.21	1242.85 ¹⁴⁰⁴	1651.74	914.18	0.0 ²⁶⁹
5200.000	795.00	0.0	0.0	1480.00	717.40	725.39	0.0	2.85	1305.43 ⁹⁹	1574.92 ¹⁷⁰	943.89✓	1.04
632.500	1125.00	0.0	0.0	1480.00	719.90	725.93	0.0	5.41	1274.74	1646.19	553.34	0.0
632.500	1125.00	0.0	0.0	1480.00	719.90	726.40	0.0	8.11	1342.66	1509.44	325.19	0.47
7450.000	1125.00	0.0	0.0	1410.00	722.40	730.59	730.59	7.82	1275.13 ¹⁴⁴²	1680.12	399.66	0.0 ¹⁸⁴
7450.000	1125.00	0.0	0.0	1410.00	722.40	731.56	0.0	6.55	1353.97 ⁸⁸	1538.07 ⁴⁶	393.77✓	0.97
8875.000	1425.00	0.0	0.0	1400.00	725.90	735.32	0.0	5.65	1153.24 ¹²¹⁵	1404.35	444.93	0.0 ¹²⁰
8875.000	1425.00	0.0	0.0	1400.00	725.90	735.52	0.0	6.49	1195.96 ¹¹	1316.32 ¹⁰¹	302.19✓	0.20

SUMMARY OF ERRORS

CAUTION SECNO= 570.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 570.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 570.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 570.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 570.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 570.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 731.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 731.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 731.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 731.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 731.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 731.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 2462.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 2462.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 2462.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 2462.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 2462.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 2462.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 2538.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 2538.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 2538.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 2538.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 2538.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 2538.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 3490.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3490.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3490.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 3490.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3490.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3490.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 440.500 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 440.500 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 440.500 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 440.500 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 440.500 PROFILE= 2 MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 7450.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 7450.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY

FLOODWAY DATA, 100 YEAR FLOOD WATER SUR
 PROFILE NO. 2

STATION	FLOODWAY WIDTH (FT)	FLOODWAY SECTION AREA	MEAN VELOCITY	WATER SURFACE ELEVATION		
				WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
A-470.000	55.	249.	6.2	704.5	703.5	1.0
570.000	65.	169.	9.2	705.4	704.5	0.9
631.000	66.	170.	9.1	705.4	704.5	0.9
B-731.000	52.	175.	8.8	706.7	705.8	0.9
1300.100	56.	427.	3.6	710.2	708.8	1.4
C-1500.000	60.	216.	7.2	711.2	710.4	0.8
D-1850.000	292.	1134.	1.4	713.0	712.0	1.0
E-2412.000	248.	603.	2.6	713.3	712.5	0.8
2462.000	112.	235.	6.6	713.8	712.8	1.0
2488.000	370.	708.	2.2	713.8	712.8	1.0
F-2538.000	112.	262.	5.9	714.8	713.8	1.0
G-3390.000	206.	673.	2.2	718.0	717.1	0.9
3490.000	25.	120.	12.5	717.8	717.8	0.0
H-3510.000	25.	124.	12.2	717.9	717.9	0.0
HX-3610.000	183.	554.	2.7	720.7	720.6	0.1
440.500	103.	252.	6.0	723.3	722.1	1.2
IX-5200.000	269.	944.	1.6	725.4	724.4	1.0
632.500	167.	325.	4.6	726.4	725.9	0.5
JX-7450.000	184.	394.	3.6	731.6	730.6	1.0
KX-6875.000	120.	302.	4.6	735.5	735.3	0.2

HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
ERROR CORR - 01
MODIFICATION - 50,51,52

EJ