
 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50.51,52

C
 T1 DAVIDSON COUNTY BASIN I STREAM 15
 T2 FLOODPLAIN STUDY AT ROMAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	IBO	MINV	TOUR	STRT	METRIC	HVINS	Q	WSEL	FG
	-1.	2.	0.	0.	0.002000	0.0	0.0	0.	652.500	0.0
J2	MPROF	IPLOT	PREVS	XSECV	XSECH	FN	ALLQC	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
JC	0.055	0.055	0.035	0.100	0.300	0.0	0.0	0.0	0.0	0.0
JT	5.000	950.000	1420.000	1950.000	2650.000	1950.000	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	350.000	12.000	1350.000	1377.000	350.000	350.000	350.000	0.0	0.0	0.0
GR	668.600	1000.000	655.300	1100.000	652.500	1150.000	651.000	1200.000	651.200	1300.000
GF	651.700	1350.000	649.100	1360.000	647.500	1363.000	648.600	1370.000	650.500	1377.000
GP	651.100	1400.000	654.000	1500.000	646.500	1543.000	0.0	0.0	0.0	0.0
JT	0.000	950.000	1420.000	1950.000	2650.000	1950.000	0.0	0.0	0.0	0.0
X1	710.000	14.000	1256.000	1251.000	350.000	350.000	350.000	0.0	0.0	0.0
GR	668.900	1000.000	650.900	1059.000	652.700	1100.000	653.000	1200.000	652.900	1236.000
GR	648.500	1237.000	647.700	1344.000	648.700	1248.000	653.800	1251.000	651.900	1276.000
GF	655.300	1300.000	655.100	1350.000	659.700	1400.000	668.700	1424.000	0.0	0.0
JC	0.065	0.060	0.045	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	720.000	13.000	1420.000	1646.000	80.000	80.000	80.000	0.0	0.0	0.0
GR	670.300	1000.000	656.200	1100.000	665.900	1200.000	665.600	1300.000	663.800	1400.000
GR	666.000	1500.000	655.700	1600.000	655.300	1620.000	648.500	1620.000	648.500	1621.000
GF	643.100	1333.000	650.500	1633.000	650.800	1646.000	655.500	1646.000	656.200	1700.000
GR	658.200	1800.000	661.000	1900.000	666.600	2000.000	670.200	2051.000	0.0	0.0
GB	0.900	1.500	2.500	0.0	26.000	0.010	186.000	0.0	0.0	0.0

300 RDN3 NCSR 1843 MXLCEL 653.7 RDELV 655.5

X1 809.000 0.0 0.0 0.0 19.000 19.000 19.000 0.0 0.0 0.0

X2	0.0	0.0	1.000	653.700	0.0	0.0	0.0	0.0	0.0	0.0
BT	14.000	1000.000	670.300	0.0	1100.000	666.200	0.0	1200.000	665.900	0.0
BT	1300.000	665.600	0.0	1400.000	663.300	0.0	1500.000	660.900	0.0	1600.000
BT	655.700	0.0	1620.000	655.300	653.500	1646.000	655.500	653.700	1700.000	656.200
BT	0.0	1800.000	658.200	0.0	1900.000	661.800	0.0	2000.000	666.600	0.0
BT	2051.000	670.200	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	899.000	14.000	1236.000	1251.000	80.000	80.000	80.000	0.0	1.600	0.0
GR	668.900	1000.000	660.900	1069.000	652.700	1100.000	653.000	1200.000	652.900	1236.000
GR	548.500	1237.000	647.700	1244.000	648.700	1248.000	653.800	1251.000	651.900	1276.000
GR	500.300	1300.000	655.100	1350.000	659.700	1400.000	668.700	1424.000	0.0	0.0
BT	5.000	920.000	1650.000	1900.000	2600.000	1900.000	0.0	0.0	0.0	0.0

X1	2600.000	12.000	1300.000	1327.000	1711.000	1711.000	1711.000	0.0	-2.500	0.0
GR	675.600	1000.000	661.500	1100.000	660.400	1130.000	660.000	1200.000	661.400	1300.000
GR	656.600	1304.000	655.700	1313.000	656.500	1315.000	661.200	1327.000	660.700	1400.000
GR	670.900	1500.000	675.300	1575.000	0.0	0.0	0.0	0.0	0.0	0.0
BT	5.000	465.000	638.000	1024.000	1474.000	1024.000	0.0	0.0	0.0	0.0

X1	3575.000	12.000	1333.000	1355.000	975.000	975.000	975.000	0.0	0.0	0.0
GR	674.200	1000.000	665.500	1100.000	662.500	1200.000	660.100	1300.000	660.400	1333.000
GR	654.400	1341.000	653.600	1343.000	654.400	1348.000	660.100	1355.000	660.500	1400.000
GR	662.700	1500.000	674.200	1583.000	0.0	0.0	0.0	0.0	0.0	0.0

X1	3625.000	0.0	0.0	0.0	50.000	50.000	50.000	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

X1	3650.000	16.000	1370.000	1376.000	25.000	25.000	25.000	0.0	0.0	0.0
GR	675.600	1000.000	669.900	1100.000	664.100	1200.000	661.500	1300.000	661.800	1362.000
GR	650.400	1370.000	656.300	1370.900	655.400	1373.000	656.300	1375.100	658.400	1376.000
GR	661.800	1583.000	661.700	1400.000	662.900	1500.000	669.100	1600.000	674.400	1700.000
GR	675.600	1724.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GR	0.900	1.500	2.500	0.0	6.000	0.010	28.260	0.0	0.0	0.0

3650 2 0000 600 ROAD EXCEL 661.9 RDENV 661.9

X1	3570.000	0.0	0.0	0.0	20.000	20.000	20.000	0.0	0.0	0.0
X2	1.0	0.0	1.000	661.400	0.0	0.0	0.0	0.0	0.0	0.0
BT	14.000	1000.000	670.300	0.0	1100.000	669.900	0.0	1200.000	664.100	0.0
BT	1300.000	661.500	0.0	1370.000	661.900	658.400	1370.900	661.900	660.500	1373.000
BT	651.900	661.400	1375.100	661.900	660.500	1376.000	661.900	658.400	1400.000	661.700
BT	0.0	1500.000	672.900	0.0	1600.000	669.100	0.0	1700.000	674.400	0.0
BT	1724.000	675.600	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	3695.000	12.000	1353.000	1375.000	25.000	25.000	25.000	0.0	2.200	0.0
GR	674.200	1000.000	665.500	1100.000	662.500	1200.000	660.100	1300.000	660.400	1333.000
GR	650.400	1341.000	653.600	1345.000	654.400	1348.000	660.100	1355.000	660.500	1400.000
GR	662.700	1500.000	674.200	1583.000	0.0	0.0	0.0	0.0	0.0	0.0

X1	3745.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.800	0.0
BT	5.000	465.000	638.000	1024.000	1474.000	1024.000	0.0	0.0	0.0	0.0

X1	5345.000	4.000	1100.000	1116.000	2100.000	2100.000	2100.000	0.0	-0.700	0.0
GR	704.100	1000.000	689.100	1100.000	687.600	1103.000	687.100	1109.000	687.600	1113.000
GR	689.100	1116.000	702.300	1200.000	704.100	1210.000	0.0	0.0	0.0	0.0

 HCC2 RELEASE GATED NOV 76 UPDATED FEB 1977
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J1 DAVIDSON COUNTY BASIN 1 STREAM 15
 J2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 J3 50 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	IAD	NIHV	TDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	5.	0.	0.	0.002000	0.0	0.0	0.	653.500	0.0
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	CHNIM	ITRACE
	2.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

*PROF 2

CCMV= 0.100 CEHV= 0.300
 *SEC 0 350.000

SECNO	DEPTH	WSEL	CRWS	WSELK	EG	HV	HL	QLOSS	BANK ELEV
G	VLOS	WCH	WROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TYPE	VLOS	VCH	VROB	XNL	XNCH	XNR	WTR	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
350.00	5.93	653.43	0.0	653.50	653.50	0.15	0.0	0.0	651.70
1620.	632.	523.	264.	424.	111.	154.	0.	0.	650.50
0.0	1.96	4.73	1.72	0.055	0.035	0.055	0.0	647.50	1133.40
0.002000	350.	350.	350.	0	0	5	0.0	346.94	1480.34

*SLOPE 710.000

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	WSEL	CRWS	WSELK	EG	HV	HL	QLOSS	BANK ELEV
G	VLOS	WCH	WROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TYPE	VLOS	VCH	VROB	XNL	XNCH	XNR	WTR	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

7185 MINIMUM SPECIFIC ENERGY
 5720 CRITICAL DEPTH ASSUMED

710.00	6.71	654.41	150.41	0.0	655.12	0.72	1.20	0.17	652.90
1620.	642.	763.	174.	213.	62.	56.	4.	2.	653.80
0.02	3.23	9.30	3.11	0.055	0.035	0.055	0.035	647.70	1093.55
0.000073	350.	360.	360.	3	12	0	0.0	196.12	1289.67

CCMV= 0.100 CEHV= 0.300
 *SECNO 790.000

3301 HV CHANGED MORE THAN HVINS

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
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T1 DAVIDSON COUNTY BASIN I STREAM 15
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	4.	0.	0.	0.002000	0.0	0.0	0.	655.500	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

*PROF 3

CCHV= 0.100 CCHV= 0.300

*SECD 350.000

SECD	DEPTH	CWSEL	CRIPS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	SLDB	DCH	OROB	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
350.00	6.21	653.71	0.0	655.50	653.87	0.16	0.0	0.0	651.70
1950.	10.31	584.	335.	785.	118.	185.	0.	0.	650.50
0.0	2.12	4.94	1.81	0.055	0.035	0.055	0.0	647.50	1128.33
0.001275	350.	350.	350.	0	0	4	0.0	361.78	1490.11

*SECD 710.000

3301 HV CHANGED MORE THAN HVINS

SECD	DEPTH	CWSEL	CRIPS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	SLDB	DCH	OROB	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
710.00	0.80	654.39	0.0	0.0	655.39	0.80	1.33	0.19	652.90
1950.	0.75	554.	223.	240.	85.	63.	5.	2.	653.80
0.02	3.04	10.94	3.51	0.055	0.035	0.055	0.035	647.70	1092.84
0.000009	350.	350.	350.	3	0	0	0.0	197.84	1290.69

CCHV= 0.100 CCHV= 0.300

*SECD 790.000

3301 HV CHANGED MORE THAN HVINS

SECD	DEPTH	CWSEL	CRIPS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	SLDB	DCH	OROB	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

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
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T1 DAVIDSON COUNTY BASIN I STREAM 15
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INR	MINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-10.	5.	0.	0.	0.002000	0.0	0.0	0.	656.500	0.0
J2	MPROF	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

*PROF 4

CCHV= 0.100 CCHV= 0.300
 *SECNO 350.000

SECNO	DEPTH	CWSEL	CRHS	WSELK	EG	HV	HL	QLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOR	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLORL	XLCH	XLORR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
350.00	6.73	654.23	0.0	656.50	654.41	0.18	0.0	0.0	651.70
2650.	1423.	704.	503.	603.	132.	247.	0.	0.	650.50
0.0	2.39	5.33	2.04	1.055	0.035	1.055	0.0	647.50	1119.10
0.001975	350.	350.	350.	0	0	4	0.0	381.69	1500.79

*SECNO 710.000

3265 DIVIDED FLW

3501 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CWSEL	CRHS	WSELK	EG	HV	HL	QLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOR	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLORL	XLCH	XLORR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
710.00	7.41	655.11	0.0	0.0	655.96	0.79	1.31	0.18	652.90
2650.	1341.	947.	341.	316.	93.	85.	5.	2.	653.80
0.0	4.24	10.42	4.02	0.055	0.035	0.055	0.035	647.70	1090.86
0.008616	340.	360.	360.	2	0	0	0.0	203.70	1350.21

CCHV= 0.100 CCHV= 0.300
 *SECNO 790.000

SECNO	DEPTH	CWSEL	CRHS	WSELK	EG	HV	HL	QLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOR	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLORL	XLCH	XLORR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

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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

647.5 *647.5*

	SECCO	XLCH	ELTRD	ELLC	Q	ELMIN	CHSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
A	350.000	350.00	0.0	0.0	950.00	647.50	652.75	0.0	4.19	1145.60	1456.77	463.37	0.0
	350.000	350.00	0.0	0.0	1620.00	647.50	653.43	0.0	4.73	1133.40	1480.34	688.27	0.68
	350.000	350.00	0.0	0.0	1950.00	647.50	653.71	0.0	4.94	1128.33	1490.11	788.78	0.28
	350.000	350.00	0.0	0.0	2650.00	647.50	654.23	0.0	5.33	1119.10	1500.79	981.84	0.52
* B	710.000	360.00	0.0	0.0	950.00	647.70	653.90	653.90	7.59	1095.46	1286.92	253.84	0.0
	710.000	360.00	0.0	0.0	1620.00	647.70	654.41	654.41	9.30	1093.55	1289.67	351.63	0.50
	710.000	360.00	0.0	0.0	1950.00	647.70	654.59	0.0	10.04	1092.84	1290.69	388.43	0.19
	710.000	360.00	0.0	0.0	2650.00	647.70	655.11	0.0	10.42	1090.86	1350.21	493.84	0.52
* C	790.000	80.00	0.0	0.0	950.00	648.50	654.20	0.0	7.85	1620.00	1646.00	120.96	0.0
	790.000	80.00	0.0	0.0	1620.00	648.50	654.46	654.46	12.68	1620.00	1646.00	127.77	0.26
	790.000	80.00	0.0	0.0	1950.00	648.50	655.01	655.01	13.73	1620.00	1646.00	142.04	0.55
	790.000	80.00	0.0	0.0	2650.00	648.50	657.50	657.50	10.12	1558.02	1765.26	416.78	2.49
D	809.000	19.00	655.30	653.70	950.00	648.50	655.26	0.0	6.41	1620.00	1646.00	148.25	0.0
	809.000	19.00	655.30	653.70	1620.00	648.50	655.14	0.0	11.17	1620.00	1646.00	145.05	-0.12
	809.000	19.00	655.30	653.70	1950.00	648.50	655.21	0.0	13.25	1620.00	1646.00	147.17	0.08
	809.000	19.00	655.30	653.70	2650.00	648.50	657.73	0.0	9.37	1552.50	1777.14	468.08	2.52
E	839.000	80.00	0.0	0.0	950.00	649.30	655.97	0.0	5.55	1093.66	1289.50	345.73	0.0
	839.000	80.00	0.0	0.0	1620.00	649.30	657.38	0.0	4.79	1088.34	1357.43	642.83	1.42
	839.000	80.00	0.0	0.0	1950.00	649.30	658.31	0.0	4.11	1084.80	1367.38	889.10	0.92
	839.000	80.00	0.0	0.0	2650.00	649.30	658.92	0.0	4.56	1082.51	1374.20	1069.17	0.62
F	2600.000	1711.00	0.0	0.0	920.00	653.20	659.51	0.0	3.89	1096.37	1412.83	490.17	0.0
	2600.000	1711.00	0.0	0.0	1600.00	653.20	660.16	0.0	4.62	1091.69	1419.26	701.37	0.66
	2600.000	1711.00	0.0	0.0	1900.00	653.20	661.43	0.0	4.82	1089.79	1421.86	788.94	0.27
	2600.000	1711.00	0.0	0.0	2600.00	653.20	661.10	0.0	4.98	1085.01	1428.43	1015.17	0.67
G	3575.000	975.00	0.0	0.0	465.00	653.60	660.87	0.0	4.16	1267.73	1417.01	163.42	0.0
	3575.000	975.00	0.0	0.0	830.00	653.60	661.73	0.0	4.90	1231.76	1456.27	324.81	0.86
	3575.000	975.00	0.0	0.0	1024.00	653.60	662.03	0.0	5.16	1219.22	1469.95	396.32	0.30
	3575.000	975.00	0.0	0.0	1474.00	653.60	662.62	0.0	5.62	1195.93	1496.47	557.39	0.58
H	3625.000	50.00	0.0	0.0	465.00	653.60	660.97	0.0	3.97	1263.68	1421.44	178.37	0.0
	3625.000	50.00	0.0	0.0	830.00	653.60	661.85	0.0	4.62	1226.93	1461.54	351.43	0.88
	3625.000	50.00	0.0	0.0	1024.00	653.60	662.16	0.0	4.86	1214.16	1475.47	427.40	0.31
	3625.000	50.00	0.0	0.0	1474.00	653.60	662.75	0.0	5.28	1191.68	1500.36	596.32	0.59

	SECNO	XLCH	ELTPD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
*	3650.000	25.00	0.0	0.0	465.00	655.40	662.15	662.15	6.99	1274.93	1437.66	120.52	0.0
*	3650.000	25.00	0.0	0.0	838.00	655.40	662.61	662.61	7.98	1257.25	1475.97	208.19	0.46
*	3650.000	25.00	0.0	0.0	1024.00	655.40	662.78	662.78	8.25	1250.59	1490.40	247.88	0.17
*	3650.000	25.00	0.0	0.0	1474.00	655.40	663.03	663.03	9.36	1240.96	1502.18	311.15	0.25
	3670.000	20.00	661.50	661.40	465.00	655.40	662.46	0.0	5.15	1263.17	1463.16	176.00	0.0
	3670.000	20.00	661.50	661.40	838.00	655.40	662.92	0.0	5.91	1245.14	1500.43	283.06	0.47
	3670.000	20.00	661.50	661.40	1024.00	655.40	663.11	0.0	6.04	1237.85	1503.48	332.44	0.19
	3670.000	20.00	661.50	661.40	1474.00	655.40	663.50	0.0	6.24	1222.63	1509.86	441.77	0.39
*	3695.000	25.00	0.0	0.0	465.00	655.80	662.32	0.0	5.49	1299.29	1356.92	84.72	0.0
*	3695.000	25.00	0.0	0.0	838.00	655.80	662.96	662.96	7.89	1272.36	1411.96	147.39	0.65
*	3695.000	25.00	0.0	0.0	1024.00	655.80	663.44	663.44	7.66	1252.33	1433.82	224.57	0.48
*	3695.000	25.00	0.0	0.0	1474.00	655.80	663.94	663.94	8.61	1231.69	1456.35	325.22	0.50
	3745.000	50.00	0.0	0.0	465.00	656.60	662.38	0.0	6.70	1334.36	1354.11	69.38	0.0
F	3745.000	50.00	0.0	0.0	838.00	656.60	663.77	663.77	7.85	1271.92	1412.44	148.86	1.40
*	3745.000	50.00	0.0	0.0	1024.00	656.60	664.13	664.13	8.12	1257.22	1428.40	203.86	0.35
*	3745.000	50.00	0.0	0.0	1474.00	656.60	664.72	664.72	8.70	1232.64	1455.31	320.08	0.59
*	5845.000	2100.00	0.0	0.0	465.00	686.40	690.05	690.05	8.72	1088.98	1126.52	66.26	0.0
G	5845.000	2100.00	0.0	0.0	838.00	686.40	691.21	691.21	10.07	1081.25	1133.90	118.56	1.16
	5845.000	2100.00	0.0	0.0	1024.00	686.40	691.65	691.65	10.64	1078.36	1136.66	142.60	0.43
	5845.000	2100.00	0.0	0.0	1474.00	686.40	692.53	692.53	11.74	1072.49	1142.26	198.93	0.88
*	5895.000	50.00	0.0	0.0	465.00	687.10	690.76	690.76	8.71	1088.95	1126.54	66.40	0.0
*	5895.000	50.00	0.0	0.0	838.00	687.10	691.91	691.91	10.07	1081.26	1133.89	118.47	1.15
*	5895.000	50.00	0.0	0.0	1024.00	687.10	692.36	692.36	10.60	1078.28	1136.73	143.30	0.45
*	5895.000	50.00	0.0	0.0	1474.00	687.10	693.24	693.24	11.70	1072.42	1142.33	199.73	0.88
*	5920.000	25.00	0.0	0.0	465.00	687.80	692.88	692.88	9.25	1203.21	1245.58	70.17	0.0
*	5920.000	25.00	0.0	0.0	838.00	687.80	693.73	693.73	10.48	1196.86	1251.52	111.36	0.85
*	5920.000	25.00	0.0	0.0	1024.00	687.80	694.04	694.04	11.02	1194.55	1253.69	128.99	0.31
*	5920.000	25.00	0.0	0.0	1474.00	687.80	694.76	694.76	11.58	1189.19	1258.72	175.20	0.72
	5961.000	41.00	696.80	692.80	465.00	687.80	698.12	0.0	1.25	1164.04	1282.28	491.24	0.0
	5961.000	41.00	696.80	692.80	838.00	687.80	699.07	0.0	1.78	1153.38	1292.78	609.93	0.95
	5961.000	41.00	696.80	692.80	1024.00	687.80	699.38	0.0	1.99	1146.81	1299.53	655.42	0.31
	5961.000	41.00	696.80	692.80	1474.00	687.80	699.97	0.0	2.45	1134.28	1307.54	752.41	0.59
	5986.000	25.00	0.0	0.0	465.00	688.00	698.12	0.0	1.50	1045.89	1167.65	581.01	0.0
	5986.000	25.00	0.0	0.0	838.00	688.00	699.06	0.0	2.29	1039.60	1173.66	701.76	0.94
	5986.000	25.00	0.0	0.0	1024.00	688.00	699.37	0.0	2.65	1037.54	1175.62	743.71	0.31
	5986.000	25.00	0.0	0.0	1474.00	688.00	699.95	0.0	3.48	1033.65	1179.34	826.67	0.58
	6036.000	50.00	0.0	0.0	465.00	688.50	698.12	0.0	1.64	1049.21	1164.48	522.06	0.0
H	6036.000	50.00	0.0	0.0	838.00	688.50	699.06	0.0	2.49	1042.90	1170.50	636.98	0.94
	6036.000	50.00	0.0	0.0	1024.00	688.50	699.37	0.0	2.88	1040.83	1172.48	677.14	0.31
	6036.000	50.00	0.0	0.0	1474.00	688.50	699.95	0.0	3.76	1036.92	1176.22	756.78	0.59
I	7525.000	1489.00	0.0	0.0	452.00	703.80	706.72	706.72	8.67	1121.05	1227.37	106.03	0.0
*	7525.000	1489.00	0.0	0.0	809.00	703.80	707.22	707.22	9.92	1107.65	1236.30	164.31	0.50
*	7525.000	1489.00	0.0	0.0	987.00	703.80	707.39	707.39	10.62	1103.02	1239.39	187.05	0.17
*	7525.000	1489.00	0.0	0.0	1417.00	703.80	707.85	707.85	11.02	1097.17	1247.62	253.00	0.46

	SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
J	8400.000	875.00	0.0	0.0	204.00	711.70	716.59	0.0	5.41	1183.34	1194.33	57.70	0.0
	8400.000	875.00	0.0	0.0	393.00	711.70	718.09	0.0	7.09	1182.39	1200.39	55.90	1.50
	8400.000	875.00	0.0	0.0	498.00	711.70	718.71	0.0	7.74	1181.63	1203.11	67.99	0.62
	8400.000	875.00	0.0	0.0	763.00	711.70	719.49	719.49	9.62	1144.09	1206.54	100.65	0.78
K	10150.000	1750.00	0.0	0.0	79.00	744.40	746.62	746.62	5.25	1197.88	1233.55	21.56	0.0
	10150.000	1750.00	0.0	0.0	163.00	744.40	747.09	747.09	6.46	1189.48	1238.52	41.47	0.47
	10150.000	1750.00	0.0	0.0	215.00	744.40	747.34	747.34	6.73	1184.92	1241.22	54.32	0.26
	10150.000	1750.00	0.0	0.0	351.00	744.40	747.75	747.75	7.94	1177.76	1245.47	79.79	0.40
L	11050.000	900.00	0.0	0.0	79.00	776.80	777.70	777.70	3.88	1178.54	1223.72	20.36	0.0
	11050.000	900.00	0.0	0.0	163.00	776.80	778.01	778.01	4.46	1171.25	1231.78	36.54	0.31
	11050.000	900.00	0.0	0.0	215.00	776.80	778.15	778.15	4.73	1167.95	1235.43	45.42	0.14
	11050.000	900.00	0.0	0.0	351.00	776.80	778.44	778.44	5.18	1160.84	1243.29	67.82	0.30

SUMMARY OF ERRORS

CAUTION SECNO= 710.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 710.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 710.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 710.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 710.000 PROFILE= 2 MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 790.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 790.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 790.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 790.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 790.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 790.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 790.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 790.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 790.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 3650.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3650.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3650.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 3650.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3650.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3650.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 3650.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3650.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3650.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 3650.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3650.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3650.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 3695.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3695.000 PROFILE= 2 MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3695.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3695.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3695.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 3695.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3695.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3695.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

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'	20'	0.20'
350.000	0.	-1.0	-0.3	0.5
710.000	360.	-0.7	-0.2	0.5
790.000	440.	-0.8	-0.5	2.5
809.000	459.	0.0	-0.1	2.5
860.000	539.	-2.3	-0.9	0.6
2600.000	2250.	-0.9	-0.3	0.7
3575.000	3225.	-1.2	-0.3	0.6
3625.000	3275.	-1.2	-0.3	0.6
3650.000	3300.	-0.6	-0.2	0.3
3670.000	3320.	-0.7	-0.2	0.4
3695.000	3345.	-1.1	-0.5	0.5
3745.000	3395.	-1.7	-0.4	0.6
5845.000	5495.	-1.6	-0.4	0.9
5995.000	5545.	-1.0	-0.4	0.9
5920.000	5570.	-1.2	-0.3	0.7
5961.000	5611.	-1.3	-0.3	0.6
5986.000	5636.	-1.3	-0.3	0.6
6036.000	5686.	-1.3	-0.3	0.6
7525.000	7175.	-0.7	-0.2	0.5
8400.000	8050.	-2.1	-0.6	0.8
10150.000	9800.	-0.7	-0.3	0.4
11050.000	10700.	-0.8	-0.1	0.3
WEIGHTED AVG FOR REACH		-1.3	-0.4	0.6

FHF FOR THE REACH = 0.5 WITH 90.8% OF THE REACH WITHIN 0.5 FEET
 ZONE FOR THE REACH = A 3

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PROGRAMMER=KEZIAH

ACCOUNT=RTI.A25.P03078

JOB TURN-AROUND		JOB PARAMETERS		TIME USED INCLUDES		MISC. JOB VALUES	
DATE	TIME	SPECIFIED	USED	NO.	EQUIVALENT		
ENTERED 10/12/77	16:43:44.9	TIME 2:00.0	0:19.1	CPU	0:04.8	LINES IN	128
EXECUTED 10/12/77	17:48:32.4	PAGES 100	23	UR EXCPS 1373	0:05.5	LINES OUT	1160
RETURNED 10/14/77	14:38:44.5	CARDS 0	0	DISK EXCPS 439	0:08.8	MEMORY TIME	9525 K-SEC
JOB ENTERED ON WEDNESDAY		PLOTS 0	0	TAPE READ-WRITE	0:00.0	PRIORITY	00
				TAPE FILE SEARCH	0:00.0	APPROX. COST	\$4.44

J O B C O N S O L E L O G

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N 17.46.53 JOB 274 -- RMKI15 -- JCL INTERPRETED, TUCC CPU #2
N 17.48.31 JOB 274 -- RMKI15 -- BEGINNING EXEC - IMIT 1 - CLASS
L*17.48.32 JOB 274 +++++S=255,T=02,J=RMKI15 17:48:32 KEZIAH
N 17.49.19 JOB 274 END EXECUTION.

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BT	14.000	1000.000	670.300	0.0	1100.000	666.200	0.0	1200.000	665.900	0.0
BT	1300.000	665.600	0.0	1400.000	663.800	0.0	1500.000	660.000	0.0	1600.000
BT	655.700	0.0	1620.000	655.300	653.500	1646.000	655.500	653.700	1700.000	656.200
BT	0.0	1800.000	658.200	0.0	1900.000	661.800	0.0	2000.000	666.600	0.0
BT	2051.000	670.200	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	889.000	14.000	1236.000	1251.000	80.000	80.000	80.000	0.0	1.600	0.0
GR	668.900	1000.000	660.900	1069.000	652.700	1100.000	653.000	1200.000	652.900	1236.000
GR	648.500	1237.000	647.700	1244.000	648.700	1248.000	653.800	1251.000	651.900	1276.000
GR	656.300	1300.000	655.100	1350.000	659.700	1400.000	668.700	1424.000	0.0	0.0
QT	5.000	920.000	1600.000	1900.000	2600.000	1900.000	0.0	0.0	0.0	0.0

X1	2600.000	12.000	1300.000	1327.000	1711.000	1711.000	1711.000	0.0	-2.500	0.0
GR	675.500	1000.000	661.500	1100.000	660.400	1130.000	660.000	1200.000	661.400	1300.000
GR	656.600	1304.000	655.700	1313.000	656.500	1315.000	661.200	1327.000	660.700	1400.000
GR	670.900	1500.000	675.300	1575.000	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	465.000	838.000	1024.000	1474.000	1024.000	0.0	0.0	0.0	0.0

X1	3575.000	12.000	1333.000	1355.000	975.000	975.000	975.000	0.0	0.0	0.0
GR	674.200	1000.000	665.500	1100.000	662.500	1200.000	660.100	1300.000	660.400	1333.000
GR	654.400	1341.000	653.600	1345.000	654.400	1348.000	660.100	1355.000	660.500	1400.000
GR	662.700	1500.000	674.200	1583.000	0.0	0.0	0.0	0.0	0.0	0.0

X1	3625.000	0.0	0.0	0.0	50.000	50.000	50.000	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

X1	3650.000	16.000	1370.000	1376.000	25.000	25.000	25.000	0.0	0.0	0.0
GR	675.600	1000.000	669.900	1100.000	664.100	1200.000	661.500	1300.000	661.800	1362.000
GR	658.400	1370.000	656.300	1370.900	655.400	1373.000	656.300	1375.100	658.400	1376.000
GR	661.800	1383.000	661.700	1400.000	662.900	1500.000	669.100	1600.000	674.400	1700.000
GR	675.600	1724.000	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	6.000	0.010	28.260	0.0	0.0	0.0

RDNO FARM ROAD MXLCEL 661.4 RDELV 661.9

X1	3670.000	0.0	0.0	0.0	20.000	20.000	20.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	661.400	0.0	0.0	0.0	0.0	0.0	0.0
BT	14.000	1000.000	675.600	0.0	1100.000	669.900	0.0	1200.000	664.100	0.0
BT	1300.000	661.500	0.0	1370.000	661.900	658.400	1370.900	661.900	660.500	1373.000
BT	661.900	661.400	1375.100	661.900	660.500	1376.000	661.900	658.400	1400.000	661.700
BT	0.0	1500.000	662.900	0.0	1600.000	669.100	0.0	1700.000	674.400	0.0
BT	1724.000	675.600	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	3695.000	12.000	1333.000	1355.000	25.000	25.000	25.000	0.0	2.200	0.0
GR	674.200	1000.000	665.500	1100.000	662.500	1200.000	660.100	1300.000	660.400	1333.000
GR	654.400	1341.000	653.600	1345.000	654.400	1348.000	660.100	1355.000	660.500	1400.000
GR	662.700	1500.000	674.200	1583.000	0.0	0.0	0.0	0.0	0.0	0.0

X1	3745.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.800	0.0
QT	5.000	465.000	838.000	1024.000	1474.000	1024.000	0.0	0.0	0.0	0.0

X1	5845.000	8.000	1100.000	1116.000	2100.000	2100.000	2100.000	0.0	-0.700	0.0
GR	704.100	1000.000	689.100	1100.000	687.600	1103.000	687.100	1109.000	687.600	1113.000
GR	689.100	1116.000	702.300	1200.000	704.100	1210.000	0.0	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 I STREAM 15
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 100 YEAR FLOODWAY

J1 ICHECK INQ NINV IDIR STRT METRIC HVINS Q WSEL FQ
 -10. 6. 0. 0. 0.0 0.0 0.0 0. 654.710 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

*PROF 2

CCHV= 0.100 CEHV= 0.300

*SECNO 350.000

2800 NAT Q1= 435.64 WSEL= 653.71 ENC Q1= 435.64 WSEL= 654.71 RATIO= 0.0
 NAT Q1= 763. RATIOS LOB,CH,ROB= 0.5520 0.2412 0.2068 WSEL= 654.71

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	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

3470 ENCROACHMENT STATIONS= 1259.4 1404.0 TYPE= 4 TARGET= 0.429
 350.00 7.21 654.71 0.0 653.71 654.99 0.28 0.0 0.0 651.70
 1950. 822. 829. 298. 307. 148. 104. 0. 0. 650.50
 0.0 2.68 5.72 2.86 0.055 0.035 0.055 0.0 647.50 1259.41
 0.002029 350. 350. 350. 0 0 0 0.0 144.62 1404.02

*SECNO 710.000

2800 NAT Q1= 205.64 WSEL= 654.59 ENC Q1= 205.64 WSEL= 655.59 RATIO= 0.0
 NAT Q1= 370. RATIOS LOB,CH,ROB= 0.5407 0.3188 0.1405 WSEL= 655.59

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	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

7185 MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS= 1184.0 1267.9 TYPE= 4 TARGET= 0.444
 710.00 7.73 655.43 655.43 654.59 656.87 1.44 1.41 0.35 652.90
 1950. 629. 1156. 165. 128. 97. 38. 13. 1. 653.80
 0.01 4.91 11.86 4.29 0.055 0.035 0.055 0.035 647.70 1184.04

 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

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	RIWS	VCH	SSTA	ENDST	AREA	DIFWSP
A 350.000	350.00	0.0	0.0	1950.00	647.30	653.71	0.0	4.95	1128.39	1490.00	787.57	0.0
350.000	350.00	0.0	0.0	1950.00	647.30	654.71	0.0	5.72	1259.41	1404.02	556.46	1.00
* B 710.000	360.00	0.0	0.0	1950.00	647.70	654.59	0.0	10.03	1092.84	1290.69	388.70	0.0
710.000	360.00	0.0	0.0	1950.00	647.70	655.43	655.43	11.86	1184.04	1267.94	264.12	0.83
* 790.000	80.00	0.0	0.0	1950.00	648.50	655.01	655.01	13.75	1620.00	1646.00	141.85	0.0
790.000	80.00	0.0	0.0	1950.00	648.50	655.91	0.0	11.78	1620.00	1646.00	165.52	0.90
809.000	19.00	655.30	653.70	1950.00	648.50	655.15	0.0	13.40	1620.00	1646.00	145.54	0.0
809.000	19.00	999999.00	0.0	1950.00	648.50	656.05	0.0	11.53	1620.00	1646.00	169.09	0.90
C 889.000	80.00	0.0	0.0	1950.00	649.30	658.31	0.0	4.10	1084.86	1367.45	890.77	0.0
889.000	80.00	0.0	0.0	1950.00	649.30	658.37	0.0	5.59	1147.11	1284.24	590.17	0.06
D 2600.000	1711.00	0.0	0.0	1900.00	653.20	660.43	0.0	4.82	1089.79	1421.87	789.15	0.0
2600.000	1711.00	0.0	0.0	1900.00	653.20	661.39	0.0	5.48	1201.57	1368.14	594.85	0.96
E 3575.000	975.00	0.0	0.0	1024.00	653.60	662.03	0.0	5.16	1219.23	1469.94	396.27	0.0
3575.000	975.00	0.0	0.0	1024.00	653.60	663.00	0.0	5.79	1317.08	1368.84	229.83	0.96
3625.000	50.00	0.0	0.0	1024.00	653.60	662.16	0.0	4.07	1214.22	1475.40	427.04	0.0
3625.000	50.00	0.0	0.0	1024.00	653.60	663.16	0.0	5.41	1314.18	1371.79	255.31	1.00
* 3650.000	25.00	0.0	0.0	1024.00	655.40	662.78	662.78	8.25	1250.57	1490.44	248.00	0.0
* 3650.000	25.00	0.0	0.0	1024.00	655.40	663.35	663.35	10.68	1347.70	1393.23	129.73	0.56
3670.000	20.00	661.50	661.40	1024.00	655.40	663.11	0.0	6.04	1237.85	1503.48	332.44	0.0
3670.000	20.00	999999.00	0.0	1024.00	655.40	663.60	0.0	7.92	1336.85	1401.52	182.36	0.56
* 3695.000	25.00	0.0	0.0	1024.00	655.80	663.44	663.44	7.66	1252.33	1433.82	224.57	0.0
3695.000	25.00	0.0	0.0	1024.00	655.80	663.07	0.0	10.12	1333.00	1355.00	101.22	-0.38
* F 3745.000	50.00	0.0	0.0	1024.00	656.60	664.13	664.13	8.12	1257.22	1428.48	203.36	0.0
3745.000	50.00	0.0	0.0	1024.00	656.60	663.37	663.30	11.34	1333.03	1355.00	90.29	-0.76
* G 5845.000	2100.00	0.0	0.0	1024.00	686.40	691.65	691.65	10.64	1078.36	1136.66	142.60	0.0
5845.000	2100.00	0.0	0.0	1024.00	686.40	692.56	692.03	11.55	1100.00	1116.00	88.65	0.91

STUDY

1	SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP	1
2														2
3	* 5895.000	50.00	0.0	0.0	1024.00	687.10	692.36	692.36	10.60	1078.28	1136.73	143.30	0.0	3
4	5895.000	50.00	0.0	0.0	1024.00	687.10	693.25	0.0	11.57	1100.00	1116.00	88.51	0.89	4
5														5
6	* 5920.000	25.00	0.0	0.0	1024.00	687.80	694.04	694.04	11.02	1194.55	1253.69	128.93	0.0	6
7	* 5920.000	25.00	0.0	0.0	1024.00	687.80	694.77	694.77	14.10	1215.40	1234.20	86.40	0.73	7
8														8
9	5961.000	41.00	696.80	692.80	1024.00	687.80	699.38	0.0	1.99	1146.81	1299.53	655.42	0.0	9
10	5961.000	41.00	99999.00	0.0	1024.00	687.80	700.11	0.0	2.20	1192.82	1255.68	509.82	0.73	10
11														11
12	5986.000	25.00	0.0	0.0	1024.00	688.00	699.37	0.0	2.65	1037.54	1175.62	743.71	0.0	12
13	5986.000	25.00	0.0	0.0	1024.00	688.00	700.09	0.0	2.96	1077.87	1137.26	549.77	0.73	13
14														14
15	H 6036.000	50.00	0.0	0.0	1024.00	688.50	699.37	0.0	2.88	1040.83	1172.48	677.14	0.0	15
16	6036.000	50.00	0.0	0.0	1024.00	688.50	700.09	0.0	3.23	1079.74	1135.45	496.19	0.72	16
17														17
18	* I 7525.000	1489.00	0.0	0.0	987.00	703.80	707.39	707.39	10.62	1103.02	1239.39	187.05	0.0	18
19	* 7525.000	1489.00	0.0	0.0	987.00	703.80	708.32	708.32	13.28	1142.61	1184.14	120.31	0.93	19
20														20
21	J 8400.000	875.00	0.0	0.0	498.00	711.70	718.71	0.0	7.74	1181.63	1203.11	67.99	0.0	21
22	8400.000	875.00	0.0	0.0	498.00	711.70	719.49	0.0	6.77	1182.00	1193.00	73.55	0.79	22
23														23
24	* K 10150.000	1750.00	0.0	0.0	215.00	744.40	747.34	747.34	6.73	1184.92	1241.22	54.92	0.0	24
25	* 10150.000	1750.00	0.0	0.0	215.00	744.40	747.79	747.79	9.22	1218.00	1227.00	23.33	0.45	25
26														26
27	* L 11050.000	900.00	0.0	0.0	215.00	776.80	778.15	778.15	4.73	1167.95	1235.43	45.42	0.0	27
28	* 11050.000	900.00	0.0	0.0	215.00	776.80	778.15	778.15	4.73	1167.92	1235.46	45.50	0.00	28
29														29
30														30
31														31
32	SUMMARY OF ERRORS													32
33														33
34														34
35	CAUTION	SECNO= 710.000	PROFILE= 2	CRITICAL DEPTH ASSUMED										35
36	CAUTION	SECNO= 710.000	PROFILE= 2	MINIMUM SPECIFIC ENERGY										36
37														37
38	CAUTION	SECNO= 790.000	PROFILE= 1	CRITICAL DEPTH ASSUMED										38
39	CAUTION	SECNO= 790.000	PROFILE= 1	PROBABLE MINIMUM SPECIFIC ENERGY										39
40	CAUTION	SECNO= 790.000	PROFILE= 1	20 TRIALS ATTEMPTED TO BALANCE WSEL										40
41														41
42	CAUTION	SECNO= 3650.000	PROFILE= 1	CRITICAL DEPTH ASSUMED										42
43	CAUTION	SECNO= 3650.000	PROFILE= 1	PROBABLE MINIMUM SPECIFIC ENERGY										43
44	CAUTION	SECNO= 3650.000	PROFILE= 1	20 TRIALS ATTEMPTED TO BALANCE WSEL										44
45	CAUTION	SECNO= 3650.000	PROFILE= 2	CRITICAL DEPTH ASSUMED										45
46	CAUTION	SECNO= 3650.000	PROFILE= 2	PROBABLE MINIMUM SPECIFIC ENERGY										46
47	CAUTION	SECNO= 3650.000	PROFILE= 2	20 TRIALS ATTEMPTED TO BALANCE WSEL										47
48														48
49	CAUTION	SECNO= 3695.000	PROFILE= 1	CRITICAL DEPTH ASSUMED										49
50	CAUTION	SECNO= 3695.000	PROFILE= 1	PROBABLE MINIMUM SPECIFIC ENERGY										50
51	CAUTION	SECNO= 3695.000	PROFILE= 1	20 TRIALS ATTEMPTED TO BALANCE WSEL										51
52														52
53	CAUTION	SECNO= 3745.000	PROFILE= 1	CRITICAL DEPTH ASSUMED										53
54	CAUTION	SECNO= 3745.000	PROFILE= 1	PROBABLE MINIMUM SPECIFIC ENERGY										54
55	CAUTION	SECNO= 3745.000	PROFILE= 1	20 TRIALS ATTEMPTED TO BALANCE WSEL										55
56														56
57	CAUTION	SECNO= 5845.000	PROFILE= 1	CRITICAL DEPTH ASSUMED										57
	CAUTION	SECNO= 5845.000	PROFILE= 1	MINIMUM SPECIFIC ENERGY										
	CAUTION	SECNO= 5895.000	PROFILE= 1	CRITICAL DEPTH ASSUMED										

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

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		
	WIDTH (FT)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
A 350.000	145.	556.	3.5	654.7	653.7	1.0
B 710.000	84.198	264.389	7.4 5.0	655.4 654.6	654.5	-0.8 0.0
790.000	26.	166.	11.8	655.9	655.0	0.9
809.000	26.	169.	11.5	656.1	655.2	0.9
C 889.000	137.	590.	3.3	658.4	658.3	0.1
D 2500.000	167.	595.	3.2	661.4	660.4	1.0
E 3575.000	52.	230.	4.5	663.0	662.0	1.0
3625.000	58.	255.	4.0	663.2	662.2	1.0
3650.000	46.	130.	7.9	663.4	662.8	0.6
3670.000	65.	182.	5.6	663.7	663.1	0.6
3695.000	22.	101.	10.1	663.1	663.4	-0.3
F 3745.000	22.171	90.204	11.3 HV5.0	663.4	664.1	-0.7 0.0
G 5845.000	16.39	89.193	11.6 7.2	692.5	691.6	-0.9 0.0
5895.000	16.	89.	11.6	693.3	692.4	0.9
5920.000	19.	86.	11.8	694.7	694.0	0.7
5961.000	63.	510.	2.0	700.1	699.4	0.7
5986.000	59.	550.	1.9	700.1	699.4	0.7
H 6036.000	56.	496.	2.1	700.1	699.4	0.7
I 7525.000	42.156	120.177	8.2 5.3	708.3	707.4	-0.9 0.0
J 8400.000	13.50	74.61	6.8 7.3	719.5	718.7	-0.8 0.0
K 10150.000	9.56	23.55	9.2 HV 3.9	747.7	747.3	0.4 0.0
L 11050.000	68.	45.	4.7	778.1	778.1	0.0