

PROFILE
 DAVIDSON COUNTY
 BASIN C
 STREAM 16
 WELCOME CREEK

```

12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901
1
1 * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
1 * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
1 * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
1 * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
1 * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
1 * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
1 * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
1
1
1 * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
1 * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
1 * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
1 * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
1 * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
1 * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
1 * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
1 * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
1
12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901

```

PROGRAMMER=KEZIAH ACCOUNT=RTI.A25.P03078

JOB TURN-AROUND			JOB PARAMETERS			TIME USED INCLUDES			MISC. JOB VALUES		
	DATE	TIME		SPECIFIED	USED		NO.	EQUIVALENT			
ENTERED	9/19/77	16:43:41.1	TIME	2:00.0	0:20.8	CPU		0:04.7	LINES IN		109
EXECUTED	9/19/77	18:52:29.0	PAGES	100	31	UR EXCPS	1697	0:06.8	LINES OUT		1502
RETURNED	9/20/77	16:06:32.3	CARDS	0	0	DISK EXCPS	465	0:09.3	MEMORY TIME		10390 K-SEC
JOB ENTERED ON MONDAY			PLOTS	0	0	TAPE READ-WRITE		0:00.0	PRIORITY		00
						TAPE FILE SEARCH		0:00.0	APPROX. COST		\$5.06

JOB CONSOLE LOG

```

V 16.45.22 JOB 659 -- RMK16 -- JCL INTERPRETED, TUCC CPU #1
N 18.52.28 JOB 659 -- RMK16 -- BEGINNING EXEC - INIT 6 - CLASS
L*18.52.29 JOB 659 +++++S=068,T=02,J=RMK16 18:52:29 KEZIAH
N 18.53.33 JOB 659 END EXECUTION.

```

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

C
 T1 DAVIDSON COUNTY BASIN C STREAM 16
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 5918
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-1.	2.	0.	0.	0.005000	0.0	0.0	0.	737.800	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	500.000	907.000	1112.000	1608.000	1112.000	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	11.000	1179.000	1187.000	470.000	470.000	470.000	0.0	0.0	0.0
GR	751.300	1000.000	739.500	1100.000	736.600	1179.000	733.300	1182.000	732.800	1184.000
GR	733.300	1185.000	736.900	1187.000	736.400	1200.000	735.800	1300.000	735.700	1400.000
GR	736.400	1500.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	500.000	907.000	1110.000	1597.000	1110.000	0.0	0.0	0.0	0.0
X1	1739.000	12.000	1243.000	1275.000	1269.000	1269.000	1269.000	0.0	0.0	0.0
GR	760.700	1000.000	747.100	1100.000	743.500	1112.000	743.100	1200.000	743.700	1243.000
GR	739.600	1250.000	739.200	1255.000	739.600	1260.000	743.200	1275.000	743.000	1300.000
GR	749.200	1400.000	759.200	1500.000	0.0	0.0	0.0	0.0	0.0	0.0
JC	0.060	0.060	0.040	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	1789.000	15.000	1390.000	1407.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	762.400	1000.000	756.500	1100.000	750.800	1200.000	747.800	1300.000	747.700	1390.000
GR	742.500	1390.000	740.500	1393.000	739.900	1399.000	740.200	1405.000	742.000	1407.000
GR	747.700	1407.000	748.300	1500.000	752.200	1600.000	757.600	1700.000	762.400	1800.000
SB	0.900	1.500	2.500	0.0	17.000	0.010	96.000	0.0	0.0	0.0

RDN0 NCSR 1459 MXLCEL 746.1 RDELV 747.7

X1	1810.000	0.0	0.0	0.0	21.000	21.000	21.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	746.100	747.700	0.0	0.0	0.0	0.0	0.0
BT	10.000	1000.000	762.400	0.0	1100.000	756.500	0.0	1200.000	750.800	0.0

BT	1300.000	747.800	0.0	1390.000	747.700	746.100	1407.000	747.700	746.100	1500.000
BT	748.300	0.0	1600.000	752.200	0.0	1700.000	757.600	0.0	1800.000	762.400
BT	0.0	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	1860.000	12.000	1243.000	1275.000	50.000	50.000	50.000	0.0	1.400	0.0
GR	760.700	1000.000	747.100	1100.000	743.500	1112.000	743.100	1200.000	743.700	1243.000
GR	739.600	1250.000	739.200	1255.000	739.600	1260.000	743.200	1275.000	743.000	1300.000
GR	749.200	1400.000	759.200	1500.000	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	308.000	575.000	716.000	1064.000	716.000	0.0	0.0	0.0	0.0

X1	4125.000	10.000	1111.000	1130.000	2265.000	2265.000	2265.000	0.0	0.0	0.0
GR	777.300	1000.000	765.100	1080.000	763.600	1100.000	763.100	1111.000	758.100	1119.000
GR	758.000	1123.000	758.100	1127.000	763.000	1130.000	770.900	1200.000	777.300	1230.000
QT	5.000	244.000	455.000	570.000	853.000	570.000	0.0	0.0	0.0	0.0

X1	6598.000	9.000	1210.000	1220.000	2473.000	2473.000	2473.000	0.0	0.0	0.0
GR	806.200	1000.000	795.300	1100.000	787.000	1200.000	786.300	1210.000	783.300	1212.000
GR	788.100	1220.000	796.900	1300.000	801.000	1400.000	806.200	1475.000	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	6623.000	13.000	1208.500	1211.500	25.000	25.000	25.000	0.0	0.0	0.0
GR	806.600	1000.000	795.300	1100.000	787.300	1200.000	784.900	1208.500	783.800	1209.000
GR	783.400	1210.000	783.800	1211.000	784.900	1211.500	788.100	1220.000	793.900	1272.000
GR	796.900	1300.000	801.000	1400.000	806.200	1475.000	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	2.300	0.010	7.000	0.0	0.0	0.0

RDNQ GRN TREE PK RD MXLCEL 786.4 RDELV 791.2

X1	6677.000	0.0	0.0	0.0	54.000	54.000	54.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	786.400	791.200	0.0	0.0	0.0	0.0	0.0
BT	11.000	1000.000	806.600	0.0	1100.000	796.200	0.0	1200.000	791.200	0.0
BT	1208.500	791.200	784.900	1209.000	791.200	786.000	1210.000	791.200	786.400	1211.000
BT	791.200	786.000	1211.500	791.200	784.900	1300.000	795.000	0.0	1400.000	800.700
BT	0.0	1485.000	806.600	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	6702.000	9.000	1210.000	1220.000	25.000	25.000	25.000	0.0	0.200	0.0
GR	806.200	1000.000	795.300	1100.000	787.300	1200.000	786.300	1210.000	783.300	1212.000
GR	788.100	1220.000	796.900	1300.000	801.000	1400.000	806.200	1475.000	0.0	0.0
QT	5.000	144.000	274.000	348.000	536.000	348.000	0.0	0.0	0.0	0.0

X1	8722.000	7.000	1068.000	1111.000	2020.000	2020.000	2020.000	0.0	0.0	0.0
GR	835.900	1000.000	821.000	1068.000	818.300	1082.000	819.700	1100.000	821.000	1111.000
GR	832.100	1200.000	835.900	1219.000	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

X1	8772.000	9.000	1149.000	1151.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	841.300	1000.000	831.200	1100.000	822.100	1149.000	821.100	1150.000	822.100	1151.000
GR	822.500	1168.000	834.900	1268.000	838.700	1287.000	841.300	1300.000	0.0	0.0
SB	0.900	1.500	2.500	0.0	1.500	0.010	3.000	0.0	0.0	0.0

RDNQ NCSR 1460 MXLCEL 823.1 RDELV 829.4

X1	8828.000	0.0	0.0	0.0	56.000	56.000	56.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	823.100	829.400	0.0	0.0	0.0	0.0	0.0
BT	7.000	1000.000	841.300	0.0	1100.000	831.200	0.0	1149.000	829.400	822.100

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

T1 DAVIDSON COUNTY BASIN C STREAM 16
 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.	0.005000	0.0	0.0	0.	738.800	0.0
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	ISW	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
 3280 CROSS SECTION 470,00 EXTENDED 0.77 FEET

SECNO	DEPTH	CWSEL	CRIWS	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	4.37	737.17	0.0	738.80	737.27	0.11	0.0	0.0	736.60
907.	4.	109.	794.	4.	23.	367.	0.	0.	736.90
0.0	0.83	4.72	2.16	0.055	0.035	0.055	0.0	732.80	1163.50
0.005009	470.	470.	470.	0	0	5	0.0	336.50	1500.00

*SECNO 1739.000

SECNO	DEPTH	CWSFL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VI.0B	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

1739.00	4.80	744.00	744.00	0.0	744.60	0.60	7.06	0.15	743.70
907.	142.	709.	55.	88.	101.	31.	9.	8.	743.20
0.66	1.62	6.99	1.81	0.055	0.035	0.055	0.035	739.20	1110.34
0.006210	1269.	1269.	1269.	4	6	0	0.0	205.77	1316.11

CCHV= 0.100 CEHV= 0.300
 *SECNO 1789.000

3301 HV CHANGED MORE THAN HVINS

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

T1 DAVIDSON COUNTY BASIN C STREAM 16
 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	FG
	-10.	4.	0.	0.	0.005000	0.0	0.0	0.	740.800	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
 3280 CROSS SECTION 470.00 EXTENDED 0.94 FEET

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLCSS	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	4.54	737.34	0.0	740.80	737.45	0.12	0.0	0.0	736.60
1112.	7.	120.	985.	7.	24.	420.	0.	0.	756.90
0.0	0.98	4.89	2.35	0.055	0.035	0.055	0.0	732.80	1158.96
0.004994	470.	470.	470.	0	0	6	0.0	341.04	1500.00

*SECNO 1739.000

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLCSS	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
1739.00	5.01	744.20	744.20	0.0	744.84	0.63	7.16	0.16	743.70
1110.	227.	801.	82.	115.	108.	39.	10.	8.	743.20
0.06	1.97	7.42	2.08	0.055	0.035	0.055	0.035	739.20	1109.65
0.006421	1269.	1269.	1269.	4	8	0	0.0	209.78	1319.43

CCHV= 0.100 CEHV= 0.300
 *SECNO 1789.000

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51.52

T1 DAVIDSON COUNTY BASIN C STREAM 16
 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	FG
	-10.	5.	0.	0.	0.005000	0.0	0.0	0.	741.800	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 4

CCHV= 0.100 CEHV= 0.300
 *SECNO 470.000
 3280 CROSS SECTION 470.00 EXTENDED 1.29 FEET

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	XLN	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
470.00	4.89	737.69	0.0	741.80	737.83	0.14	0.0	0.0	736.60
1608.	20.	144.	1444.	16.	27.	530.	0.	0.	736.90
0.0	1.27	5.26	2.73	0.055	0.035	0.055	0.0	732.80	1149.38
0.004990	470.	470.	470.	0	0	6	0.0	350.62	1500.00

*SECNO 1739.000

3301 HV CHANGED MORE THAN HVINS

1739.00	5.42	744.62	0.0	0.0	745.31	0.69	7.32	0.17	743.70
1597.	447.	997.	153.	171.	121.	59.	13.	8.	743.20
0.06	2.62	8.21	2.58	0.055	0.035	0.055	0.035	739.20	1108.26
0.006745	1269.	1269.	1269.	4	0	0	0.0	217.90	1326.16

CCHV= 0.100 CEHV= 0.300
 *SECNO 1789.000

3301 HV CHANGED MORE THAN HVINS

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	XLN	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

 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

10 YEAR FLOOD WATER SURF

SUMMARY. PRINTOUT

732.8
 732.8
 732.8
 732.8

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
470.000	470.00	0.0	0.0	500.00	732.80	736.78	0.0	4.30	1174.09	1500.00	266.45	0.0
470.000	470.00	0.0	0.0	907.00	732.80	737.17	0.0	4.72	1163.50	1500.00	395.00	0.39
470.000	470.00	0.0	0.0	1112.00	732.80	737.34	0.0	4.89	1158.96	1500.00	451.45	0.17
470.000	470.00	0.0	0.0	1608.00	732.80	737.69	0.0	5.26	1149.38	1500.00	573.17	0.35
1739.000	1269.00	0.0	0.0	500.00	739.20	743.37	742.66	6.01	1141.94	1305.87	99.03	0.0
* 1739.000	1269.00	0.0	0.0	907.00	739.20	744.00	744.00	6.99	1110.34	1316.11	219.63	0.63
* 1739.000	1269.00	0.0	0.0	1110.00	739.20	744.20	744.20	7.42	1109.65	1319.43	262.44	0.21
1739.000	1269.00	0.0	0.0	1597.00	739.20	744.62	0.0	8.21	1108.26	1326.16	351.67	0.41
* 1789.000	50.00	0.0	0.0	500.00	739.90	743.46	743.46	9.87	1390.00	1407.00	50.68	0.0
* 1789.000	50.00	0.0	0.0	907.00	739.90	744.91	744.91	12.04	1390.00	1407.00	75.35	1.45
* 1789.000	50.00	0.0	0.0	1110.00	739.90	745.57	745.57	12.84	1390.00	1407.00	86.46	0.65
* 1789.000	50.00	0.0	0.0	1597.00	739.90	746.95	746.95	14.52	1390.00	1407.00	109.96	1.38
1810.000	21.00	747.70	746.10	500.00	739.90	743.47	0.0	9.84	1390.00	1407.00	50.80	0.0
1810.000	21.00	747.70	746.10	907.00	739.90	744.93	0.0	12.01	1390.00	1407.00	75.54	1.46
1810.000	21.00	747.70	746.10	1110.00	739.90	745.24	0.0	13.74	1390.00	1407.00	80.76	0.32
1810.000	21.00	747.70	746.10	1597.00	739.90	750.02	0.0	4.87	1225.83	1544.23	675.94	4.78
1860.000	50.00	0.0	0.0	500.00	740.60	745.12	0.0	4.72	1111.25	1311.68	163.37	0.0
1860.000	50.00	0.0	0.0	907.00	740.60	747.39	0.0	2.46	1103.68	1348.30	669.06	2.27
1860.000	50.00	0.0	0.0	1110.00	740.60	748.47	0.0	2.12	1100.11	1365.60	942.54	1.07
1860.000	50.00	0.0	0.0	1597.00	740.60	750.23	0.0	1.97	1087.26	1394.07	1447.63	1.76
* 4125.000	2265.00	0.0	0.0	308.00	758.00	761.14	761.14	8.81	1114.13	1128.86	34.96	0.0
* 4125.000	2265.00	0.0	0.0	575.00	758.00	762.46	762.46	10.21	1112.02	1129.67	56.34	1.32
* 4125.000	2265.00	0.0	0.0	716.00	758.00	762.99	752.99	10.85	1111.17	1129.59	65.99	0.53
* 4125.000	2265.00	0.0	0.0	1064.00	758.00	764.58	764.58	10.29	1086.87	1144.04	127.43	1.59
6598.000	2473.00	0.0	0.0	244.00	783.30	788.46	0.0	6.05	1185.42	1223.33	55.25	0.0
6598.000	2473.00	0.0	0.0	455.00	783.30	789.36	0.0	7.22	1174.25	1231.46	97.76	0.90
6598.000	2473.00	0.0	0.0	570.00	783.30	789.75	0.0	7.58	1169.40	1234.98	121.53	0.39
* 6598.000	2473.00	0.0	0.0	853.00	783.30	789.98	789.98	10.26	1166.51	1237.09	137.52	0.23
6623.000	25.00	0.0	0.0	244.00	783.40	788.80	0.0	4.42	1181.20	1226.26	73.52	0.0
6623.000	25.00	0.0	0.0	455.00	783.40	789.79	0.0	4.84	1168.83	1235.18	128.91	0.99
6623.000	25.00	0.0	0.0	570.00	783.40	790.19	0.0	5.00	1163.80	1238.79	157.35	0.40
6623.000	25.00	0.0	0.0	853.00	783.40	790.87	0.0	5.56	1155.37	1244.84	212.84	0.68

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRISWS	VCH	SSTA	ENDST	AREA	DIFWSP
6677.000	54.00	791.20	786.40	244.00	783.40	792.68	0.0	0.82	1132.73	1261.08	410.08	0.0
6677.000	54.00	791.20	786.40	455.00	783.40	793.40	0.0	1.23	1123.72	1267.54	508.14	0.72
6677.000	54.00	791.20	786.40	570.00	783.40	793.67	0.0	1.42	1120.20	1270.06	549.53	0.28
6677.000	54.00	791.20	786.40	853.00	783.40	794.21	0.0	1.83	1113.59	1274.92	631.83	0.54
6702.000	25.00	0.0	0.0	244.00	783.50	792.67	0.0	1.20	1135.23	1259.83	381.52	0.0
6702.000	25.00	0.0	0.0	455.00	783.50	793.39	0.0	1.83	1126.25	1266.36	476.59	0.72
6702.000	25.00	0.0	0.0	570.00	783.50	793.67	0.0	2.13	1122.90	1268.80	514.91	0.28
6702.000	25.00	0.0	0.0	853.00	783.50	794.20	0.0	2.78	1116.23	1273.65	595.85	0.53
* 8722.000	2020.00	0.0	0.0	144.00	818.30	820.02	820.02	5.43	1073.07	1102.72	26.52	0.0
* 8722.000	2020.00	0.0	0.0	274.00	818.30	820.54	820.54	6.27	1070.39	1107.10	43.68	0.52
* 8722.000	2020.00	0.0	0.0	348.00	818.30	820.78	820.78	6.56	1069.12	1109.17	53.06	0.24
* 8722.000	2020.00	0.0	0.0	536.00	818.30	821.24	821.24	7.39	1066.89	1112.95	72.89	0.46
* 8772.000	50.00	0.0	0.0	144.00	821.10	823.34	823.34	6.23	1142.35	1174.74	28.00	0.0
* 8772.000	50.00	0.0	0.0	274.00	821.10	823.80	823.80	7.14	1139.82	1178.52	44.67	0.47
* 8772.000	50.00	0.0	0.0	348.00	821.10	824.03	824.03	7.45	1138.59	1180.36	53.85	0.23
* 8772.000	50.00	0.0	0.0	536.00	821.10	824.51	824.51	8.09	1136.01	1184.23	75.47	0.48
8828.000	56.00	829.40	823.10	144.00	821.10	830.65	0.0	0.27	1102.95	1233.74	624.87	0.0
8828.000	56.00	829.40	823.10	274.00	821.10	831.20	0.0	0.46	1100.00	1238.16	698.67	0.55
8828.000	56.00	829.40	823.10	348.00	821.10	831.39	0.0	0.56	1098.07	1239.73	725.90	0.19
8828.000	56.00	829.40	823.10	536.00	821.10	831.81	0.0	0.79	1093.87	1243.15	787.62	0.42
8878.000	50.00	0.0	0.0	144.00	823.90	830.65	0.0	0.53	1049.52	1143.46	339.23	0.0
8878.000	50.00	0.0	0.0	274.00	823.90	831.19	0.0	0.90	1047.04	1147.82	392.23	0.54
8878.000	50.00	0.0	0.0	348.00	823.90	831.38	0.0	1.10	1046.17	1149.35	411.65	0.19
8878.000	50.00	0.0	0.0	536.00	823.90	831.80	0.0	1.56	1044.29	1152.66	455.27	0.41

SUMMARY OF ERRORS

CAUTION	SECNO=	1739.000	PROFILE=	2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	1739.000	PROFILE=	2	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	1739.000	PROFILE=	3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	1739.000	PROFILE=	3	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	1789.000	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	1789.000	PROFILE=	1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	1789.000	PROFILE=	1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	1789.000	PROFILE=	2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	1789.000	PROFILE=	2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	1789.000	PROFILE=	2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	1789.000	PROFILE=	3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	1789.000	PROFILE=	3	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	1789.000	PROFILE=	3	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	1789.000	PROFILE=	4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	1789.000	PROFILE=	4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	1789.000	PROFILE=	4	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	4125.000	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	4125.000	PROFILE=	1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	4125.000	PROFILE=	1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	4125.000	PROFILE=	2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	4125.000	PROFILE=	2	PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION	SECNO= 4125.000	PROFILE= 2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 4125.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 4125.000	PROFILE= 3	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 4125.000	PROFILE= 3	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 4125.000	PROFILE= 4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 4125.000	PROFILE= 4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 4125.000	PROFILE= 4	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 6598.000	PROFILE= 4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 6598.000	PROFILE= 4	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 8722.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 8722.000	PROFILE= 1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 8722.000	PROFILE= 1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 8722.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 8722.000	PROFILE= 2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 8722.000	PROFILE= 2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 8722.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 8722.000	PROFILE= 3	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 8722.000	PROFILE= 3	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 8722.000	PROFILE= 4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 8722.000	PROFILE= 4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 8722.000	PROFILE= 4	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 8772.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 8772.000	PROFILE= 1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 8772.000	PROFILE= 1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 8772.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 8772.000	PROFILE= 2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 8772.000	PROFILE= 2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 8772.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 8772.000	PROFILE= 3	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 8772.000	PROFILE= 3	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 8772.000	PROFILE= 4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 8772.000	PROFILE= 4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 8772.000	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		
		100	20	0.20
470.000	0.	-0.6	-0.2	0.4
1739.000	1269.	-0.8	-0.2	0.4
1789.000	1319.	-2.1	-0.7	1.4
1810.000	1340.	-1.8	-0.3	4.8
1860.000	1390.	-3.3	-1.1	1.8
4125.000	3655.	-1.8	-0.5	1.6
6598.000	6128.	-1.3	-0.4	0.2
6623.000	6153.	-1.4	-0.4	0.7
6677.000	6207.	-1.0	-0.3	0.5
6702.000	6232.	-1.0	-0.3	0.5
8722.000	8252.	-0.8	-0.2	0.5
8772.000	8302.	-0.7	-0.2	0.5
8828.000	8358.	-0.7	-0.2	0.4
8878.000	8408.	-0.7	-0.2	0.4

WEIGHTED AVG FOR REACH		-1.5	-0.5	0.9

FHF FOR THE REACH = 015 WITH 31.20 OF THE REACH WITHIN 0.5 FEET ZONE FOR THE REACH = A 3

CONTINUOUS FLOOD HAZARD FACTORS BY EVEN INCREMENTS

INC NO.	TOTAL LENGTH	AVG ELEVATION DATA			WTD. AVG.	FHF	PERCENT WITHIN
		100	10	DIFF.			
	0.						
1	120.	737.1	737.7	-0.6	-0.6	005	100.
2	240.	737.7	738.3	-0.6	-0.6	005	100.
3	360.	738.3	739.0	-0.6	-0.6	005	100.
4	480.	739.0	739.6	-0.6	-0.6	005	100.
5	600.	739.6	740.3	-0.7	-0.6	005	100.
6	720.	740.2	740.9	-0.7	-0.6	005	100.
7	840.	740.8	741.6	-0.7	-0.6	005	100.
8	960.	741.5	742.2	-0.8	-0.7	005	100.
9	1080.	742.1	742.9	-0.8	-0.7	005	100.
10	1200.	742.7	743.5	-0.8	-0.7	005	100.
	1269.					SEC. 1739.000	
	1319.					SEC. 1789.000	
11	1320.	743.5	745.6	-2.1	-0.8	010	91.
	1340.					SEC. 1810.000	
	1390.					SEC. 1860.000	
12	1440.	745.3	748.6	-3.3	-1.0	010	83.
13	1560.	745.9	749.2	-3.3	-1.2	010	38.
14	1680.	746.7	749.9	-3.2	-1.3	015	0.

15	1800.	747.6	750.7	-3.1	-1.5	015	0.
16	1920.	748.4	751.5	-3.0	-1.6	015	0.
17	2040.	749.3	752.3	-3.0	-1.6	015	6.
18	2160.	750.1	753.0	-2.9	-1.7	015	6.
19	2280.	751.0	753.8	-2.8	-1.8	020	5.
20	2400.	751.8	754.6	-2.7	-1.8	020	5.
21	2520.	752.7	755.3	-2.6	-1.9	020	5.
22	2640.	753.5	756.1	-2.6	-1.9	020	5.
23	2760.	754.4	756.9	-2.5	-1.9	020	4.
24	2880.	755.2	757.6	-2.4	-1.9	020	8.
25	3000.	756.1	758.4	-2.3	-1.9	020	12.
26	3120.	756.9	759.2	-2.2	-2.0	020	15.
27	3240.	757.8	759.9	-2.2	-2.0	020	19.
28	3360.	758.6	760.7	-2.1	-2.0	020	21.
29	3480.	759.5	761.5	-2.0	-2.0	020	24.
30	3600.	760.3	762.3	-1.9	-2.0	020	27.
	3655.					SEC. 4125.000	
31	3720.	761.3	763.2	-1.9	-2.0	020	29.
32	3840.	762.5	764.3	-1.8	-2.0	020	31.
33	3960.	763.8	765.6	-1.8	-2.0	020	33.
34	4080.	765.2	766.9	-1.8	-2.0	020	35.
35	4200.	766.5	768.2	-1.7	-1.9	020	37.
36	4320.	767.8	769.5	-1.7	-1.9	020	39.
37	4440.	769.1	770.8	-1.7	-1.9	020	41.
38	4560.	770.5	772.1	-1.7	-1.9	020	42.
39	4680.	771.8	773.4	-1.6	-1.9	020	44.
40	4800.	773.1	774.7	-1.6	-1.9	020	45.
41	4920.	774.5	776.0	-1.6	-1.9	020	46.
42	5040.	775.8	777.3	-1.5	-1.9	020	45.
43	5160.	777.1	778.6	-1.5	-1.9	020	47.
44	5280.	778.4	779.9	-1.5	-1.9	020	48.
45	5400.	779.8	781.2	-1.5	-1.9	020	49.
46	5520.	781.1	782.5	-1.4	-1.9	020	50.
47	5640.	782.4	783.8	-1.4	-1.8	020	51.
48	5760.	783.7	785.1	-1.4	-1.8	020	52.
49	5880.	785.1	786.4	-1.4	-1.8	020	53.
50	6000.	786.4	787.7	-1.3	-1.8	020	52.
51	6120.	787.7	789.0	-1.3	-1.8	020	51.
	6128.					SEC. 6598.000	
	6153.					SEC. 6623.000	
	6207.					SEC. 6677.000	
	6232.					SEC. 6702.000	
52	6240.	792.7	793.7	-1.0	-1.8	020	52.
53	6360.	793.6	794.6	-1.0	-1.8	020	51.
54	6480.	795.2	796.2	-1.0	-1.8	020	50.
55	6600.	796.8	797.8	-1.0	-1.7	015	49.
56	6720.	798.5	799.4	-0.9	-1.7	015	46.
57	6840.	800.1	801.0	-0.9	-1.7	015	46.
58	6960.	801.7	802.6	-0.9	-1.7	015	45.
59	7080.	803.3	804.2	-0.9	-1.7	015	44.
60	7200.	805.0	805.9	-0.9	-1.7	015	43.
61	7320.	806.6	807.5	-0.9	-1.7	015	43.
62	7440.	808.2	809.1	-0.9	-1.7	015	40.
63	7560.	809.8	810.7	-0.8	-1.6	015	40.
64	7680.	811.5	812.3	-0.8	-1.6	015	39.
65	7800.	813.1	813.9	-0.8	-1.6	015	38.
66	7920.	814.7	815.5	-0.8	-1.6	015	38.
67	8040.	816.3	817.1	-0.8	-1.6	015	36.
68	8160.	818.0	818.7	-0.8	-1.6	015	34.
	8252.					SEC. 8722.000	
69	8280.	820.3	821.1	-0.7	-1.6	015	33.
	8302.					SEC. 8772.000	
	8358.					SEC. 8828.000	
70	8400.	830.6	831.4	-0.7	-1.6	015	33.
	8408.					SEC. 8878.000	

THIS REACH CAN BE SUBDIVIDED BY INC NO. TO MEET FIA REQUIREMENTS
INPUT 20N WHERE N IS THE NUMBER OF REACHES AND THEN INPUT THE END
OF EACH REACH BY INC NO. FOR EXAMPLE 202 12 70
A NEGATIVE INC NO. WILL SUPPRESS INTERMEDIATE INC OUTPUT.

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

EJ