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

C
 T1 DAVIDSON COUNTY BASIN E STREAM 40 SPURGEON CREEK
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-1.	2.	0.	0.	0.003000	0.0	0.0	0.	731.700	0.0
J2	NPROF	IPLOT	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
VC	0.085	0.085	0.060	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	1480.000	2430.000	3010.000	4600.000	3010.000	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	2400.000	14.000	1165.000	1196.000	2400.000	2400.000	2400.000	2400.000	0.0	0.0
GR	749.700	1000.000	733.600	1075.000	732.900	1190.000	734.300	1165.000	728.500	1175.000
GR	726.700	1185.000	729.300	1193.000	734.600	1196.000	733.600	1200.000	736.400	1300.000
GR	737.000	1400.000	740.000	1500.000	745.700	1600.000	749.700	1650.000	0.0	0.0
QT	5.000	1450.000	2400.000	3000.000	4590.000	3000.000	0.0	0.0	0.0	0.0
X1	5225.000	12.000	1242.000	1281.000	2825.000	2825.000	2825.000	2825.000	0.0	0.0
GR	756.100	1000.000	747.700	1100.000	741.900	1200.000	740.900	1242.000	735.800	1245.000
GR	733.900	1274.000	742.900	1281.000	744.300	1300.000	748.200	1400.000	751.000	1500.000
GR	755.000	1600.000	756.100	1616.000	0.0	0.0	0.0	0.0	0.0	0.0
VC	0.060	0.060	0.040	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	5300.000	17.000	1291.300	1359.300	75.000	75.000	75.000	75.000	0.0	0.0
GR	762.400	1000.000	754.500	1100.000	749.100	1200.000	747.600	1290.000	741.900	1291.300
GR	741.000	1319.800	736.700	1322.800	734.700	1333.300	736.400	1346.300	743.800	1353.300
GR	744.500	1359.300	747.700	1478.000	747.900	1500.000	750.600	1600.000	754.800	1700.000
GR	759.400	1800.000	762.400	1860.000	0.0	0.0	0.0	0.0	0.0	0.0
SR	1.250	1.500	2.500	0.0	10.000	1.500	402.000	2.640	0.0	0.0

RONO NCSR 1755 MXLCEL 745.4 RDELV 747.7

X1	5318.000	0.0	0.0	0.0	18.000	18.000	18.000	18.000	0.0	0.0
X2	0.0	0.0	1.000	745.400	747.600	0.0	0.0	0.0	0.0	0.0

BT	12.000	1000.000	762.400	0.0	1100.000	754.500	0.0	1200.000	749.100	0.0
BT	1290.000	747.600	0.0	1291.300	747.700	745.400	1359.300	747.500	745.300	1478.000
BT	747.700	0.0	1500.000	747.900	0.0	1600.000	750.600	0.0	1700.000	754.800
BT	0.0	1800.000	759.400	0.0	1860.000	762.400	0.0	0.0	0.0	0.0
NC	0.085	0.085	0.060	0.100	0.300	0.0	0.0	0.0	0.0	0.0

XJ	5393.000	12.000	1242.000	1281.000	75.000	75.000	75.000	0.0	1.600	0.0
GR	756.100	1000.000	747.700	1100.000	741.900	1200.000	740.900	1242.000	735.800	1245.000
GR	733.900	1274.000	742.900	1281.000	744.300	1300.000	748.200	1400.000	751.000	1500.000
GR	755.000	1600.000	756.100	1616.000	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	1350.000	2300.000	2800.000	4200.000	2800.000	0.0	0.0	0.0	0.0

X1	9575.000	12.000	1221.000	1261.000	4182.000	4182.000	4182.000	0.0	0.0	0.0
GR	770.900	1000.000	756.100	1055.000	752.700	1100.000	754.400	1200.000	755.200	1221.000
GR	747.500	1226.000	748.900	1257.000	754.700	1261.000	754.000	1300.000	755.200	1331.000
GR	769.200	1400.000	770.900	1412.000	0.0	0.0	0.0	0.0	0.0	0.0

X1	10825.000	8.000	1197.000	1240.000	1250.000	1250.000	1250.000	0.0	-1.800	0.0
GR	773.200	1000.000	762.300	1100.000	757.100	1197.000	750.900	1205.000	750.500	1225.000
GR	761.100	1240.000	764.900	1300.000	773.200	1367.000	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	10900.000	16.000	1450.000	1522.000	75.000	75.000	75.000	0.0	0.0	0.0
GR	778.800	1000.000	775.500	1100.000	771.800	1200.000	767.700	1300.000	764.800	1400.000
GR	764.800	1400.000	759.500	1450.000	758.300	1468.000	750.000	1477.000	749.600	1489.000
GR	750.000	1499.000	757.200	1506.000	759.200	1522.000	768.900	1600.000	777.800	1700.000
GR	778.800	1700.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	1.050	1.500	2.500	0.0	20.000	2.000	546.000	2.120	0.0	0.0

RDN) NCSP 1747 MXLCEL 762.8 RDELV 764.5

X1	10918.000	0.0	0.0	0.0	18.000	18.000	18.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	762.800	764.300	0.0	0.0	0.0	0.0	0.0
BT	10.000	1000.000	778.800	0.0	1100.000	775.500	0.0	1200.000	771.800	0.0
BT	1300.000	767.700	0.0	1400.000	764.800	0.0	1450.000	764.300	762.700	1522.000
BT	764.500	762.800	1600.000	766.900	0.0	1700.000	777.800	0.0	1711.000	778.800
BT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.085	0.085	0.060	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	10993.000	8.000	1197.000	1240.000	75.000	75.000	75.000	0.0	0.0	0.0
GR	773.200	1000.000	762.300	1100.000	757.100	1197.000	750.900	1205.000	750.500	1225.000
GR	761.100	1240.000	764.900	1300.000	773.200	1367.000	0.0	0.0	0.0	0.0
QT	5.000	1320.000	2250.000	2750.000	4100.000	2750.000	0.0	0.0	0.0	0.0

X1	12725.000	9.000	1216.000	1264.000	1732.000	1732.000	1732.000	0.0	0.0	0.0
GK	778.300	1000.000	770.600	1100.000	763.400	1216.000	754.100	1223.000	753.000	1253.000
GR	761.300	1264.000	761.700	1292.000	765.400	1300.000	778.300	1336.000	0.0	0.0
QT	5.000	1250.000	2125.000	2600.000	3800.000	2600.000	0.0	0.0	0.0	0.0

X1	15800.000	9.000	1105.000	1136.000	3075.000	3075.000	3075.000	0.0	0.0	0.0
GR	788.900	1000.000	773.100	1065.000	773.400	1105.000	764.900	1112.000	764.100	1119.000
GR	764.700	1129.000	773.600	1136.000	779.200	1200.000	788.900	1279.000	0.0	0.0

X1	16940.000	14.000	1253.000	1281.000	1140.000	1140.000	1140.000	0.0	0.0	0.0
GR	791.500	1000.000	786.300	1100.000	780.500	1200.000	777.300	1253.000	768.900	1258.000
GR	768.500	1268.000	768.900	1273.000	777.200	1281.000	777.600	1300.000	778.300	1400.000
GR	778.300	1500.000	782.900	1600.000	789.200	1700.000	791.500	1752.000	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	17040.000	19.000	1384.000	1456.500	100.000	100.000	100.000	0.0	0.0	0.0
GR	799.400	1000.000	792.200	1100.000	787.900	1200.000	785.200	1300.000	781.100	1384.000
GR	701.100	1385.000	776.700	1397.000	769.900	1405.000	768.800	1415.000	769.400	1421.000
GR	778.300	1436.000	781.400	1454.000	781.400	1456.500	785.100	1600.000	785.700	1700.000
GR	787.900	1800.000	791.000	1900.000	795.300	2000.000	799.400	2086.000	0.0	0.0
SS	1.050	1.500	2.500	0.0	5.000	2.000	462.000	2.170	0.0	0.0

ROND MCSR 1741 MXLCEL 782.6 RDELV 784.7

X1	17065.000	0.0	0.0	0.0	25.000	25.000	25.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	782.600	784.700	0.0	0.0	0.0	0.0	0.0
BT	12.000	1000.000	799.400	0.0	1100.000	792.200	0.0	1200.000	787.900	0.0
BT	1300.000	785.200	0.0	1384.000	784.700	782.600	1456.500	784.700	782.600	1600.000
BT	785.100	0.0	1700.000	785.700	0.0	1800.000	787.900	0.0	1900.000	791.000
BT	0.0	2000.000	795.300	0.0	2086.000	799.400	0.0	0.0	0.0	0.0
NC	0.085	0.085	0.060	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	17165.000	14.000	1253.000	1281.000	100.000	100.000	100.000	0.0	0.0	0.0
GR	791.500	1000.000	756.300	1100.000	780.500	1200.000	777.300	1253.000	768.900	1258.000
GR	768.500	1268.000	768.900	1273.000	777.200	1281.000	777.600	1300.000	778.300	1400.000
GR	778.300	1500.000	782.900	1600.000	789.200	1700.000	791.500	1752.000	0.0	0.0
BT	5.000	1120.000	1950.000	2350.000	3240.000	2350.000	0.0	0.0	0.0	0.0

X1	20100.000	13.000	1385.000	1433.000	2935.000	2935.000	2935.000	0.0	0.0	0.0
GR	802.200	1000.000	795.800	1100.000	791.300	1200.000	787.100	1300.000	786.900	1385.000
GR	778.600	1392.000	779.200	1411.000	786.600	1433.000	785.800	1500.000	785.100	1600.000
GR	785.200	1700.000	794.500	1800.000	802.200	1837.000	0.0	0.0	0.0	0.0
BT	5.000	1100.000	1900.000	2280.000	3150.000	2280.000	0.0	0.0	0.0	0.0

X1	21570.000	16.000	1587.000	1618.000	1470.000	1470.000	1470.000	0.0	0.0	0.0
GR	808.500	1000.000	804.600	1100.000	802.100	1200.000	802.800	1300.000	803.800	1400.000
GR	795.500	1500.000	793.500	1587.000	785.500	1596.000	785.000	1600.000	785.500	1610.000
GR	792.900	1618.000	792.500	1700.000	792.200	1800.000	792.300	1900.000	796.900	2000.000
GR	808.500	2072.000	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

X1	21670.000	23.000	1712.500	1719.500	100.000	100.000	100.000	0.0	0.0	0.0
GR	812.000	1000.000	808.100	1100.000	806.500	1200.000	805.000	1300.000	803.100	1400.000
GR	800.800	1500.000	798.600	1580.000	796.500	1616.000	793.500	1703.000	788.500	1712.500
GR	786.000	1713.500	785.000	1716.000	786.000	1718.500	788.500	1719.500	792.900	1734.000
GR	792.300	1816.000	792.200	1916.000	792.300	2016.000	796.900	2116.000	807.700	2185.000
GR	808.200	2200.000	811.900	2300.000	812.000	2305.000	0.0	0.0	0.0	0.0
SS	0.900	1.500	2.500	0.0	5.500	0.010	38.470	0.0	0.0	0.0

ROND MCSR 1733 MXLCEL 792.0 RDELV 797.3

X1	21727.000	0.0	0.0	0.0	57.000	57.000	57.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	792.000	797.300	0.0	0.0	0.0	0.0	0.0
BT	19.000	1000.000	812.000	0.0	1100.000	808.100	0.0	1200.000	806.500	0.0
BT	1300.000	805.000	0.0	1400.000	803.100	0.0	1500.000	800.800	0.0	1600.000
BT	798.100	0.0	1712.500	797.300	788.500	1713.500	797.300	791.000	1716.000	797.300
BT	792.000	1718.500	797.300	791.000	1719.500	797.300	788.500	1800.000	797.500	0.0
BT	1900.000	798.700	0.0	2000.000	801.000	0.0	2100.000	804.700	0.0	2200.000
BT	808.200	0.0	2300.000	811.900	0.0	2305.000	812.000	0.0	0.0	0.0
NC	0.085	0.085	0.060	0.100	0.300	0.0	0.0	0.0	0.0	0.0

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
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T1 DAVIDSON COUNTY BASIN E STREAM 40 SPURGEON CREEK
 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	FG
	-10.	3.	0.	0.	0.003000	0.0	0.0	0.	732.700	0.0
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	I&W	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 2400.000

SECNO	DEPTH	WSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XML	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
2400.00	10.57	737.27	0.0	732.70	737.48	0.21	0.0	0.0	734.30
2480.	848.	1193.	438.	375.	245.	298.	0.	0.	734.60
0.0	2.26	4.86	1.47	0.085	0.060	0.085	0.0	726.70	1057.91
0.003003	2400.	2400.	2400.	0	0	8	0.0	351.03	1408.94

*SECNO 5225.000

5225.00	11.31	745.21	0.0	0.0	745.54	0.33	8.02	0.04	740.90
2400.	473.	1884.	44.	254.	369.	41.	51.	17.	742.90
0.18	1.26	5.11	1.06	0.085	0.060	0.085	0.060	735.90	1142.97
0.002685	2825.	2825.	2825.	3	0	0	0.0	180.30	1323.27

CCHV= 0.100 CEHV= 0.300
 *SECNO 5300.000

5300.00	10.55	745.25	0.0	0.0	745.81	0.56	0.21	0.07	741.90
2400.	1.	2392.	7.	1.	396.	10.	52.	17.	744.50
0.18	0.68	6.03	0.68	0.060	0.040	0.060	0.059	734.70	1290.54
0.002802	75.	75.	75.	2	0	0	0.0	96.55	1387.09

SPECIAL BRIDGE

5070, VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED

SB	XK	XKOR	COFQ	RLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	1.25	1.50	2.50	0.0	10.00	1.50	402.00	2.64	734.70	734.70

*SECNO 5318.000

1.74 0.0 10.34 0.0 0.085 0.060 0.085 0.059 813.90 1144.78
 0.040830 75. 75. 75. 20 11 0 0.0 24.40 1169.18

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T1 DAVIDSON COUNTY BASIN E. STREAM 40 SPURGEON CREEK
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	4.	0.	0.	0.003000	0.0	0.0	0.	734.700	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 CEHV= 0.300
 *SECNO 2400.000

SECNO	DEPTH	CWSEL	CRIWS	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	YLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
2400.00	11.04	737.74	0.0	734.70	737.95	0.22	0.0	0.0	734.30
3010.	1039.	1317.	653.	425.	260.	401.	0.	0.	734.60
0.0	2.44	5.07	1.63	0.085	0.060	0.085	0.0	726.70	1055.73
0.003024	2400.	2400.	2400.	0	0	5	0.0	368.79	1424.52

*SECNO 5225.000

5225.00	12.03	745.93	0.0	0.0	746.30	0.57	8.30	0.05	740.90
3000.	698.	2200.	101.	331.	397.	79.	61.	19.	742.90
0.17	2.11	5.54	1.28	0.085	0.060	0.085	0.060	733.90	1130.34
0.002856	2825.	2825.	2825.	2	0	0	0.0	211.72	1342.06

CCHV= 0.100 CEHV= 0.300

*SECNO 5300.000

5300.00	11.23	745.93	0.0	0.0	746.61	0.68	0.22	0.10	741.90
3000.	1.	2968.	41.	2.	443.	38.	63.	19.	744.50
0.17	0.79	6.68	1.06	0.060	0.040	0.060	0.059	734.70	1290.38
0.002970	75.	75.	75.	2	0	0	0.0	121.85	1412.23

SPECIAL BRIDGE

5070, VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED

SB	XK	XKOR	COFO	ROLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	1.25	1.50	2.50	0.0	10.00	1.50	402.00	2.64	734.70	734.70

*SECNO 5318.000

 HFC2 RELEASE DATED NOV 76 UPDATED FEB 1977
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 MODIFICATION - 50,51,52

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 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1	YCHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FW
	-10.	5.	0.	0.	0.003000	0.0	0.0	0.	735.700	0.0
J2	NPROF	IPLT	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 2400.000

SECNO	DEPTH	CHSEL	CHKWS	WSELK	EG	HV	HL	DLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOH	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
2400.00	12.20	738.90	0.0	735.70	739.13	0.23	0.0	0.0	734.30
4600.	1575.	1533.	1391.	556.	296.	689.	0.	0.	734.60
0.0	2.04	3.52	2.02	0.085	0.060	0.085	0.0	726.70	1050.31
0.003013	2400.	2100.	2400.	0	0	5	0.0	413.02	1463.33

*SECNO 5225.000

5225.00	13.55	747.45	0.0	0.0	747.88	0.43	8.69	0.06	740.90
4590.	1340.	2906.	344.	520.	456.	200.	88.	22.	742.90
0.14	2.58	6.37	1.72	0.085	0.060	0.085	0.060	733.90	1104.32
0.003142	2825.	2825.	2825.	2	0	0	0.0	276.43	1380.75

CCHV= 0.100 CEHV= 0.300
 *SECNO 5300.000

3301 HV CHANGED MORE THAN HVINS

5300.00	12.63	747.33	0.0	0.0	748.28	0.94	0.24	0.15	741.90
4590.	3.	4319.	268.	3.	538.	149.	90.	23.	744.50
0.16	1.02	8.02	1.79	0.060	0.040	0.060	0.059	734.70	1290.06
0.003295	75.	75.	75.	2	0	0	0.0	174.42	1464.48

SPECIAL BRIDGE

5070.VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED

SB	XK	XKOR	COFG	ROLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
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 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

	SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
A	2400.000	2400.00	0.0	0.0	1480.00	726.70	736.06	0.0	4.36	1063.53	1287.95	573.28	0.0
	2400.000	2400.00	0.0	0.0	2480.00	726.70	737.27	0.0	4.86	1057.91	1408.94	917.81	1.21
	2400.000	2400.00	0.0	0.0	3010.00	726.70	737.74	0.0	5.07	1055.73	1424.52	1086.08	0.47
	2400.000	2400.00	0.0	0.0	4600.00	726.70	738.90	0.0	5.52	1050.31	1463.33	1541.12	1.16
B	5225.000	2825.00	0.0	0.0	1450.00	733.90	743.58	0.0	4.25	1170.99	1290.27	424.49	0.0
	5225.000	2825.00	0.0	0.0	2400.00	733.90	745.21	0.0	5.11	1142.97	1323.27	663.94	1.63
	5225.000	2825.00	0.0	0.0	3000.00	733.90	745.93	0.0	5.54	1130.34	1342.06	807.55	0.72
	5225.000	2825.00	0.0	0.0	4590.00	733.90	747.45	0.0	6.37	1104.32	1380.75	1175.88	1.52
	5300.000	75.00	0.0	0.0	1450.00	734.70	743.67	0.0	4.96	1290.89	1353.18	292.60	0.0
	5300.000	75.00	0.0	0.0	2400.00	734.70	745.25	0.0	6.03	1290.54	1387.09	408.17	1.57
	5300.000	75.00	0.0	0.0	3000.00	734.70	745.93	0.0	6.68	1290.38	1412.23	482.17	0.68
	5300.000	75.00	0.0	0.0	4590.00	734.70	747.33	0.0	8.02	1290.06	1464.48	690.84	1.41
	5318.000	18.00	747.60	745.40	1450.00	734.70	743.72	0.0	4.91	1290.88	1353.22	295.43	0.0
	5318.000	18.00	747.60	745.40	2400.00	734.70	745.58	0.0	5.68	1290.46	1399.58	442.81	1.86
	5318.000	18.00	747.60	745.40	3000.00	734.70	746.71	0.0	5.82	1290.20	1441.64	590.49	1.13
	5318.000	18.00	747.60	745.40	4590.00	734.70	748.48	0.0	6.51	1236.35	1522.00	951.92	1.77
C	5393.000	75.00	0.0	0.0	1450.00	735.50	743.92	0.0	5.49	1192.90	1280.54	295.55	0.0
	5393.000	75.00	0.0	0.0	2400.00	735.50	745.80	0.0	6.23	1160.34	1298.65	503.98	1.88
	5393.000	75.00	0.0	0.0	3000.00	735.50	746.94	0.0	6.22	1140.64	1326.74	688.72	1.14
	5393.000	75.00	0.0	0.0	4590.00	735.50	748.77	0.0	6.71	1109.08	1373.68	1101.27	1.83
D	9575.000	4182.00	0.0	0.0	1350.00	747.50	755.81	0.0	3.30	1058.78	1334.03	682.03	0.0
	9575.000	4182.00	0.0	0.0	2300.00	747.50	757.15	0.0	3.65	1051.07	1340.64	1062.40	1.34
	9575.000	4182.00	0.0	0.0	2800.00	747.50	757.69	0.0	3.84	1049.08	1343.29	1219.41	0.54
	9575.000	4182.00	0.0	0.0	4200.00	747.50	759.08	0.0	4.20	1043.92	1350.13	1636.05	1.39
E	10825.000	1250.00	0.0	0.0	1350.00	748.70	758.23	0.0	4.21	1142.26	1238.49	379.60	0.0
	10825.000	1250.00	0.0	0.0	2300.00	748.70	759.77	0.0	5.43	1113.60	1247.43	552.72	1.54
	10825.000	1250.00	0.0	0.0	2800.00	748.70	760.40	0.0	5.93	1101.86	1257.37	643.79	0.63
	10825.000	1250.00	0.0	0.0	4200.00	748.70	761.81	0.0	6.86	1088.00	1279.60	888.73	1.41
	10900.000	75.00	0.0	0.0	1350.00	749.60	758.30	0.0	5.15	1467.93	1514.84	262.30	0.0
	10900.000	75.00	0.0	0.0	2300.00	749.60	759.88	0.0	6.35	1446.42	1527.46	364.31	1.58
	10900.000	75.00	0.0	0.0	2800.00	749.60	760.49	0.0	6.87	1440.68	1532.36	416.87	0.61
	10900.000	75.00	0.0	0.0	4200.00	749.60	761.79	0.0	8.22	1428.40	1542.82	551.00	1.30

	SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
	10918.000	18.00	764.30	762.80	1350.00	749.60	758.35	0.0	5.11	1467.31	1515.17	264.25	0.0
	10918.000	18.00	764.30	762.80	2300.00	749.60	759.95	0.0	6.27	1445.79	1528.00	369.76	1.60
	10918.000	18.00	764.30	762.80	2800.00	749.60	760.57	0.0	6.77	1439.93	1533.00	424.19	0.62
	10918.000	18.00	764.30	762.80	4200.00	749.60	762.30	0.0	7.58	1423.55	1546.96	612.13	1.74
	10993.000	75.00	0.0	0.0	1350.00	750.50	758.55	0.0	5.56	1169.99	1236.39	258.71	0.0
F	10993.000	75.00	0.0	0.0	2300.00	750.50	760.24	0.0	6.92	1138.54	1238.77	399.20	1.70
	10993.000	75.00	0.0	0.0	2800.00	750.50	760.88	0.0	7.48	1126.49	1239.69	468.10	0.64
	10993.000	75.00	0.0	0.0	4200.00	750.50	762.63	0.0	8.20	1096.94	1264.21	713.82	1.75
	12725.000	1732.00	0.0	0.0	1320.00	753.00	763.10	0.0	3.35	1216.23	1295.02	429.13	0.0
	12725.000	1732.00	0.0	0.0	2250.00	753.00	765.44	0.0	4.10	1183.06	1300.12	654.18	2.34
G	12725.000	1732.00	0.0	0.0	2750.00	753.00	766.38	0.0	4.42	1167.97	1302.74	772.18	0.94
	12725.000	1732.00	0.0	0.0	4100.00	753.00	768.33	0.0	5.16	1136.55	1308.18	1070.94	1.95
	15800.000	3075.00	0.0	0.0	1250.00	764.10	771.79	0.0	7.61	1106.32	1134.58	164.35	0.0
	15800.000	3075.00	0.0	0.0	2125.00	764.10	774.27	0.0	8.56	1060.18	1143.67	285.06	2.48
H	15800.000	3075.00	0.0	0.0	2600.00	764.10	775.22	0.0	8.75	1056.27	1154.53	371.41	0.95
	15800.000	3075.00	0.0	0.0	3800.00	764.10	777.20	0.0	8.93	1048.11	1177.21	596.99	1.98
	16940.000	1140.00	0.0	0.0	1250.00	768.50	778.83	0.0	4.78	1227.65	1511.53	417.58	0.0
	16940.000	1140.00	0.0	0.0	2125.00	768.50	780.34	0.0	4.64	1202.64	1544.37	890.15	1.51
I	16940.000	1140.00	0.0	0.0	2600.00	768.50	790.91	0.0	4.67	1192.84	1556.86	1092.75	0.57
	16940.000	1140.00	0.0	0.0	3800.00	768.50	782.13	0.0	4.74	1171.92	1583.24	1563.19	1.22
	17040.000	100.00	0.0	0.0	1250.00	768.80	779.06	0.0	4.31	1391.09	1440.44	289.94	0.0
	17040.000	100.00	0.0	0.0	2125.00	768.80	780.36	0.0	5.88	1387.83	1448.00	361.31	1.30
	17040.000	100.00	0.0	0.0	2600.00	768.80	780.83	0.0	6.66	1386.66	1450.72	390.37	0.47
	17040.000	100.00	0.0	0.0	3800.00	768.80	781.80	0.0	8.28	1369.47	1472.37	466.42	0.97
	17065.000	25.00	784.70	782.60	1250.00	768.80	779.09	0.0	4.29	1391.01	1440.61	291.43	0.0
	17065.000	25.00	784.70	782.60	2125.00	768.80	780.43	0.0	5.82	1387.67	1448.38	365.22	1.34
	17065.000	25.00	784.70	782.60	2600.00	768.80	780.92	0.0	6.56	1386.44	1451.24	396.12	0.49
	17065.000	25.00	784.70	782.60	3800.00	768.80	782.37	0.0	7.55	1357.99	1494.10	533.37	1.44
	17165.000	100.00	0.0	0.0	1250.00	768.50	779.38	0.0	3.88	1218.56	1523.47	579.19	0.0
	17165.000	100.00	0.0	0.0	2125.00	768.50	781.07	0.0	3.63	1190.20	1560.19	1149.08	1.69
J	17165.000	100.00	0.0	0.0	2600.00	768.50	781.73	0.0	3.62	1178.69	1574.70	1404.63	0.67
	17165.000	100.00	0.0	0.0	3800.00	768.50	783.41	0.0	3.42	1149.88	1608.05	2120.05	1.67
	20100.000	2935.00	0.0	0.0	1120.00	770.60	786.31	0.0	3.79	1385.49	1711.97	461.46	0.0
	20100.000	2935.00	0.0	0.0	1950.00	770.60	787.09	0.0	4.64	1303.46	1720.34	723.44	0.78
K	20100.000	2935.00	0.0	0.0	2350.00	770.60	787.42	0.0	4.85	1292.39	1723.87	853.06	0.32
	20100.000	2935.00	0.0	0.0	3240.00	770.60	787.99	0.0	5.31	1278.86	1729.98	1113.79	0.57
	21570.000	1470.00	0.0	0.0	1100.00	785.00	792.76	790.35	6.05	1587.83	1910.09	283.25	0.0
	21570.000	1470.00	0.0	0.0	1900.00	785.00	793.86	0.0	5.72	1576.60	1933.89	650.28	1.10
L	21570.000	1470.00	0.0	0.0	2280.00	785.00	794.18	0.0	5.84	1567.14	1940.99	769.63	0.32
	21570.000	1470.00	0.0	0.0	3150.00	785.00	794.84	0.0	6.05	1548.16	1955.21	1025.11	0.66
	21670.000	100.00	0.0	0.0	1100.00	785.00	793.35	0.0	5.71	1703.29	2038.80	405.23	0.0
	21670.000	100.00	0.0	0.0	1900.00	785.00	794.22	0.0	4.86	1602.21	2057.69	712.52	0.87
	21670.000	100.00	0.0	0.0	2280.00	785.00	794.52	0.0	4.82	1673.50	2064.21	827.66	0.30
	21670.000	100.00	0.0	0.0	3150.00	785.00	795.14	0.0	4.75	1655.56	2077.66	1079.07	0.62

	SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
	21727.000	57.00	797.30	792.00	1100.00	785.00	798.51	0.0	0.52	1581.54	2126.29	2748.09	0.0
	21727.000	57.00	797.30	792.00	1900.00	785.00	799.19	0.0	0.76	1558.23	2130.69	3132.15	0.69
	21727.000	57.00	797.30	792.00	2280.00	785.00	799.45	0.0	0.86	1548.92	2132.32	3280.16	0.25
	21727.000	57.00	797.30	792.00	3150.00	785.00	799.94	0.0	1.08	1531.09	2135.45	3571.38	0.49
	21827.000	100.00	0.0	0.0	1100.00	785.10	798.51	0.0	0.72	1473.87	2009.36	2755.19	0.0
M	21827.000	100.00	0.0	0.0	1900.00	785.10	799.19	0.0	1.08	1464.47	2013.61	3126.97	0.69
	21827.000	100.00	0.0	0.0	2280.00	785.10	799.45	0.0	1.24	1460.99	2015.20	3267.45	0.25
	21827.000	100.00	0.0	0.0	3150.00	785.10	799.94	0.0	1.56	1454.24	2018.25	3542.78	0.49
	* 24500.000	2673.00	0.0	0.0	492.00	799.90	804.12	804.12	5.92	1204.37	1665.00	167.21	0.0
N	* 24500.000	2673.00	0.0	0.0	926.00	799.90	804.48	804.48	7.49	1203.81	1665.00	242.39	0.35
	* 24500.000	2673.00	0.0	0.0	1144.00	799.90	804.62	804.62	8.04	1203.59	1665.00	274.47	0.14
	* 24500.000	2673.00	0.0	0.0	1677.00	799.90	804.86	804.86	9.42	1203.20	1665.00	333.64	0.25
	26215.000	1715.00	0.0	0.0	437.00	807.30	814.05	0.0	3.19	1141.79	1170.89	137.05	0.0
O	26215.000	1715.00	0.0	0.0	838.00	807.30	816.07	0.0	3.96	1105.75	1314.27	283.18	2.02
	26215.000	1715.00	0.0	0.0	1102.00	807.30	816.59	0.0	4.27	1052.12	1322.85	418.01	0.52
	26215.000	1715.00	0.0	0.0	1551.00	807.30	817.36	0.0	4.43	1049.19	1335.47	632.45	0.77
	* 26290.000	75.00	0.0	0.0	437.00	810.60	815.09	815.09	9.64	1308.64	1327.53	48.77	0.0
	* 26290.000	75.00	0.0	0.0	838.00	810.60	816.70	816.70	11.28	1304.30	1328.77	83.71	1.61
	* 26290.000	75.00	0.0	0.0	1102.00	810.60	818.33	818.53	7.54	1196.77	1469.79	252.37	1.82
	* 26290.000	75.00	0.0	0.0	1551.00	810.60	818.86	818.86	8.29	1188.17	1487.43	348.29	0.34
	26312.000	22.00	817.20	815.60	437.00	810.60	817.40	0.0	4.91	1302.42	1410.50	103.91	0.0
*	26312.000	22.00	817.20	815.60	838.00	810.60	818.51	0.0	5.79	1197.13	1469.05	248.56	1.10
	26312.000	22.00	817.20	815.60	1102.00	810.60	819.05	0.0	5.08	1183.08	1497.89	409.30	0.55
	26312.000	22.00	817.20	815.60	1551.00	810.60	819.40	0.0	5.53	1174.14	1505.06	522.02	0.35
	* 26387.000	75.00	0.0	0.0	437.00	813.90	817.20	817.20	8.71	1146.71	1168.07	50.18	0.0
P	* 26387.000	75.00	0.0	0.0	838.00	813.90	818.55	818.55	10.34	1144.78	1169.18	81.08	1.35
	* 26387.000	75.00	0.0	0.0	1102.00	813.90	819.26	819.26	11.16	1143.78	1169.75	98.75	0.70
	* 26387.000	75.00	0.0	0.0	1551.00	813.90	820.32	820.32	12.15	1142.25	1170.62	127.69	1.07

SUMMARY OF ERRORS

CAUTION SECNO=24500.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO=24500.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=24500.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=24500.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO=24500.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=24500.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=24500.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO=24500.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=24500.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=24500.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO=24500.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=24500.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=26290.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO=26290.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=26290.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=26290.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO=26290.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO=26290.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=26290.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO=26290.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=26290.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=26290.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO=26290.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=26290.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=26312.000 PROFILE= 2 HYDRAULIC JUMP D.S.

CAUTION SECNO=26387.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO=26387.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=26387.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=26387.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO=26387.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=26387.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=26387.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO=26387.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=26387.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=26387.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO=26387.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=26387.000 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
2400.000	0.	-1.7	-0.5	1.2
5225.000	2825.	-2.4	-0.7	1.5
5300.000	2900.	-2.3	-0.7	1.4
5318.000	2918.	-3.0	-1.1	1.8
5393.000	2993.	-3.0	-1.1	1.8
9575.000	7175.	-1.9	-0.5	1.4
10825.000	8425.	-2.2	-0.6	1.4
10900.000	8500.	-2.2	-0.6	1.3
10919.000	8519.	-2.2	-0.6	1.7
10993.000	8593.	-2.3	-0.6	1.8
12725.000	10325.	-3.3	-0.9	2.0
15800.000	13400.	-3.4	-1.0	2.0
16940.000	14540.	-2.1	-0.6	1.2
17040.000	14640.	-2.8	-0.5	1.0
17065.000	14665.	-1.8	-0.5	1.4
17165.000	14765.	-2.4	-0.7	1.7
20100.000	17700.	-1.1	-0.3	0.6
21570.000	19170.	-1.4	-0.3	0.7
21670.000	19270.	-1.2	-0.3	0.6
21727.000	19327.	-0.9	-0.3	0.5
21827.000	19427.	-0.9	-0.3	0.5
24500.000	22100.	-0.5	-0.1	0.2
26215.000	23815.	-2.5	-0.5	0.8
26290.000	23890.	-3.4	-1.8	0.3
26312.000	23912.	-1.7	-0.5	0.3
26387.000	23987.	-2.1	-0.7	1.1

WEIGHTED AVG FOR REACH		-2.1	-0.6	1.3

FHF FOR THE REACH = 0.20 WITH 75.45 OF THE REACH WITHIN 1.0 FEET ZONE FOR THE REACH = 4.4

CONTINUOUS FLOOD HAZARD FACTORS BY EVEN INCREMENTS

INC NO.	TOTAL LENGTH	AVG ELEVATION DATA			WTD. AVG.	FHF	PERCENT WITHIN
		100	10	DIFF.			
	0.						
1	184.	736.3	738.0	-1.7	-1.7	015	100.
2	368.	736.8	738.5	-1.7	-1.7	015	100.
3	552.	737.3	739.1	-1.8	-1.7	015	100.
4	736.	737.8	739.6	-1.8	-1.6	020	100.
5	920.	738.3	740.1	-1.9	-1.8	020	100.
6	1104.	738.8	740.7	-1.9	-1.8	020	100.

SEC. 2400.000

7	1288.	739.2	741.2	-2.0	-1.8	020	100.
8	1472.	739.7	741.7	-2.0	-1.9	020	100.
9	1656.	740.2	742.3	-2.0	-1.9	020	100.
10	1840.	740.7	742.8	-2.1	-1.9	020	100.
11	2024.	741.2	743.3	-2.1	-1.9	020	100.
12	2208.	741.7	743.9	-2.2	-1.9	020	100.
13	2392.	742.2	744.4	-2.2	-2.0	020	100.
14	2576.	742.7	744.9	-2.3	-2.0	020	100.
15	2760.	743.2	745.5	-2.3	-2.0	020	100.
	2825.					SEC. 5225.000	
	2900.					SEC. 5300.000	
	2918.					SEC. 5316.000	
16	2944.	743.8	746.8	-3.0	-2.1	020	100.
	2993.					SEC. 5393.000	
17	3128.	744.0	747.0	-3.0	-2.1	020	100.
18	3312.	744.6	747.5	-3.0	-2.2	020	100.
19	3496.	745.1	748.0	-2.9	-2.2	020	100.
20	3680.	745.6	748.5	-2.9	-2.2	020	100.
21	3864.	746.1	748.9	-2.8	-2.3	025	100.
22	4048.	746.7	749.4	-2.8	-2.3	025	100.
23	4232.	747.2	749.9	-2.7	-2.3	025	100.
24	4416.	747.7	750.4	-2.7	-2.3	025	100.
25	4600.	748.2	750.8	-2.6	-2.3	025	100.
26	4784.	748.7	751.3	-2.6	-2.3	025	100.
27	4968.	749.3	751.8	-2.5	-2.3	025	100.
28	5152.	749.8	752.3	-2.5	-2.4	025	100.
29	5336.	750.3	752.7	-2.4	-2.4	025	100.
30	5520.	750.8	753.2	-2.4	-2.4	025	100.
31	5704.	751.4	753.7	-2.3	-2.4	025	100.
32	5888.	751.9	754.1	-2.3	-2.4	025	100.
33	6072.	752.4	754.6	-2.2	-2.3	025	100.
34	6256.	752.9	755.1	-2.2	-2.3	025	100.
35	6440.	753.5	755.6	-2.1	-2.3	025	100.
36	6624.	754.0	756.0	-2.1	-2.3	025	100.
37	6808.	754.5	756.5	-2.0	-2.3	025	100.
38	6992.	755.0	757.0	-2.0	-2.3	025	100.
	7175.					SEC. 9575.000	
39	7176.	755.5	757.5	-1.9	-2.3	025	100.
40	7360.	756.0	757.9	-1.9	-2.3	025	100.
41	7544.	756.3	758.3	-1.9	-2.3	025	100.
42	7728.	756.7	758.7	-2.0	-2.3	025	100.
43	7912.	757.1	759.1	-2.0	-2.3	025	100.
44	8096.	757.4	759.5	-2.1	-2.3	025	100.
45	8280.	757.8	759.9	-2.1	-2.3	025	100.
	8425.					SEC. 10825.000	
46	8464.	758.1	760.3	-2.2	-2.3	025	100.
	8500.					SEC. 10900.000	
	8518.					SEC. 10918.000	
	8593.					SEC. 10993.000	
47	8648.	758.6	761.0	-2.3	-2.3	025	100.
48	8832.	758.9	761.3	-2.4	-2.3	025	100.
49	9016.	759.4	761.9	-2.5	-2.3	025	100.
50	9200.	759.9	762.5	-2.6	-2.3	025	100.
51	9384.	760.4	763.1	-2.7	-2.3	025	100.
52	9568.	760.9	763.7	-2.6	-2.3	025	100.
53	9752.	761.3	764.3	-2.9	-2.3	025	100.
54	9936.	761.8	764.8	-3.0	-2.3	025	100.
55	10120.	762.3	765.4	-3.1	-2.3	025	100.
56	10304.	762.8	766.0	-3.2	-2.3	025	100.
	10325.					SEC. 12725.000	
57	10488.	763.3	766.6	-3.3	-2.4	025	100.
58	10672.	763.8	767.1	-3.3	-2.4	025	100.
59	10856.	764.3	767.6	-3.3	-2.4	025	100.
60	11040.	764.9	768.2	-3.3	-2.4	025	100.
61	11224.	765.4	768.7	-3.3	-2.4	025	100.
62	11408.	765.9	769.2	-3.3	-2.4	025	100.

119	21896.	803.5	804.0	-0.5	-2.2	020	71.
120	22080.	803.9	804.4	-0.5	-2.1	020	70.
	22100.					SEC. 24500.000	
121	22264.	804.6	805.2	-0.6	-2.1	020	70.
122	22448.	805.6	806.4	-0.8	-2.1	020	69.
123	22632.	806.7	807.7	-1.0	-2.1	020	68.
124	22816.	807.7	809.0	-1.2	-2.1	020	59.
125	23000.	808.8	810.3	-1.5	-2.1	020	69.
126	23184.	809.9	811.5	-1.7	-2.1	020	69.
127	23368.	810.9	812.8	-1.9	-2.1	020	69.
128	23552.	812.0	814.1	-2.1	-2.1	020	70.
129	23736.	813.1	815.4	-2.3	-2.1	020	70.
	23915.					SEC. 26215.000	
	23890.					SEC. 26290.000	
	23912.					SEC. 26312.000	
130	23920.	817.4	819.1	-1.7	-2.1	020	70.
	23987.					SEC. 26387.000	

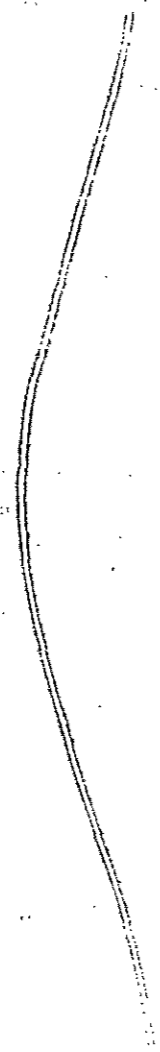
23912
23912

AVE = 2.1
FH# = 020
ZONE AT

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 202 105 130
 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



 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 80,51,52

C
 T1 DAVIDSON COUNTY BASIN E STREAM 40 SPURGEON CREEK
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INW	MINV	IOIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-1.	4.	0.	0.	0.0	0.0	0.0	0.	737.740	0.0
J2	HPROF	IPLUT	PREVS	XSECV	XSECH	FM	ALLDC	IBW	CHNIM	JTRACE
	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	200.000	0.0	0.0	0.0	0.0	0.0
IC	0.025	0.085	0.000	0.100	0.300	0.0	0.0	0.0	0.0	0.0
IT	5.000	1480.000	2480.000	3910.000	4600.000	3010.000	3010.000	3010.000	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	0.0	-10.400	-8.400	0.0	0.0
X1	2400.000	14.000	1165.000	1196.000	2400.000	2400.000	2400.000	2400.000	0.0	0.0
SR	749.700	1000.000	753.600	1075.000	732.800	1100.000	734.300	1165.000	728.500	1175.000
SA	735.700	1185.000	729.300	1193.000	734.600	1196.000	733.600	1200.000	736.400	1300.000
SP	737.000	1400.000	740.000	1500.000	745.700	1600.000	749.700	1650.000	0.0	0.0
ST	1.000	1450.000	2400.000	3000.000	4590.000	3000.000	3000.000	0.0	0.0	0.0
X3	1225.000	12.000	1242.000	1291.000	2825.000	2825.000	2825.000	0.0	0.0	0.0
SR	731.100	1000.000	747.700	1100.000	741.900	1200.000	740.900	1242.000	735.800	1245.000
SA	733.900	1274.000	742.000	1231.000	744.300	1300.000	748.200	1400.000	751.000	1500.000
SP	735.000	1600.000	736.100	1616.000	0.0	0.0	0.0	0.0	0.0	0.0
ST	0.000	0.000	0.000	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X4	1390.000	17.000	1321.300	1359.300	75.000	75.000	75.000	0.0	0.0	0.0
SR	742.400	1000.000	744.500	1100.000	749.100	1200.000	747.600	1290.000	741.900	1291.300
SA	741.000	1319.000	736.700	1322.800	744.700	1333.300	736.400	1346.300	743.800	1353.300
SP	744.500	1599.300	747.700	1478.000	747.300	1500.000	750.600	1600.000	754.900	1700.000
ST	745.400	1800.000	742.400	1850.000	0.0	0.0	0.0	0.0	0.0	0.0
X5	1.200	1.500	2.500	0.0	10.000	1.500	402.000	2.640	0.0	0.0

RDCLV 1755 EXLCEL 745.4 RDCLV 747.7

X3	5314.000	0.0	0.0	0.0	18.000	18.000	18.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	745.400	747.600	0.0	0.0	0.0	0.0	0.0

BT	12.000	1000.000	762.400	0.0	1100.000	754.500	0.0	1200.000	749.100	0.0
BT	1290.000	747.600	0.0	1291.300	747.700	745.400	1359.300	747.500	745.300	1478.000
BT	747.700	0.0	1500.000	747.900	0.0	1600.000	750.600	0.0	1700.000	754.800
BT	0.0	1800.000	759.400	0.0	1860.000	762.400	0.0	0.0	0.0	0.0
NC	0.085	0.085	0.060	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	5393.000	12.000	1242.000	1281.000	75.000	75.000	75.000	0.0	1.600	0.0
SP	756.100	1000.000	747.700	1100.000	741.900	1200.000	740.900	1242.000	735.800	1245.000
GR	733.900	1274.000	742.900	1281.000	744.300	1300.000	748.200	1400.000	751.000	1500.000
SP	756.000	1600.000	756.100	1616.000	0.0	0.0	0.0	0.0	0.0	0.0
BT	5.000	1350.000	2300.000	2800.000	4200.000	2800.000	2800.000	0.0	0.0	0.0

X1	9575.000	12.000	1221.000	1261.000	4182.000	4182.000	4182.000	0.0	0.0	0.0
GR	770.900	1000.000	756.100	1055.000	752.700	1100.000	754.400	1200.000	755.200	1221.000
GR	747.500	1226.000	748.900	1257.000	754.700	1261.000	754.000	1300.000	755.200	1331.000
GR	769.200	1400.000	770.900	1412.000	0.0	0.0	0.0	0.0	0.0	0.0

X1	10325.000	8.000	1197.000	1240.000	1250.000	1250.000	1250.000	0.0	-1.800	0.0
SP	773.200	1000.000	762.300	1100.000	757.100	1197.000	750.900	1205.000	750.500	1225.000
SR	761.100	1240.000	764.900	1300.000	773.200	1367.000	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	10900.000	16.000	1450.000	1522.000	75.000	75.000	75.000	0.0	0.0	0.0
GR	770.800	1000.000	775.500	1100.000	771.800	1200.000	767.700	1300.000	764.800	1400.000
GR	764.800	1400.000	759.500	1450.000	758.300	1468.000	750.000	1477.000	749.600	1489.000
GR	750.000	1499.000	757.200	1506.000	759.200	1522.000	768.900	1600.000	777.800	1700.000
GR	778.800	1700.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SR	1.059	1.500	2.500	0.0	20.000	2.000	546.000	2.120	0.0	0.0

1000) NCSP 1747 EXLCEL 762.8 RDELV 764.5

X1	10910.000	0.0	0.0	0.0	18.000	18.000	18.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	762.800	764.300	0.0	0.0	0.0	0.0	0.0
BT	10.000	1000.000	778.800	0.0	1100.000	775.500	0.0	1200.000	771.800	0.0
BT	1300.000	767.700	0.0	1400.000	764.800	0.0	1450.000	764.300	762.700	1522.000
BT	764.500	762.300	1800.000	768.900	0.0	1700.000	777.800	0.0	1711.000	778.800
BT	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.085	0.085	0.060	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	10325.000	8.000	1197.000	1240.000	75.000	75.000	75.000	0.0	0.0	0.0
SP	773.200	1000.000	762.300	1100.000	757.100	1197.000	750.900	1205.000	750.500	1225.000
SR	761.100	1240.000	764.900	1300.000	773.200	1367.000	0.0	0.0	0.0	0.0
BT	0.000	1320.000	2250.000	2750.000	4180.000	2750.000	2750.000	0.0	0.0	0.0

X1	10725.000	0.000	1216.000	1264.000	1732.000	1732.000	1732.000	0.0	0.0	0.0
SP	773.200	1000.000	778.800	1100.000	763.400	1216.000	754.100	1223.000	753.000	1253.000
SR	761.100	1260.000	761.700	1292.000	765.400	1300.000	778.300	1336.000	0.0	0.0
BT	0.000	1250.000	2120.000	2600.000	3800.000	2600.000	2600.000	0.0	0.0	0.0

X1	10300.000	8.000	1135.000	1136.000	3075.000	3075.000	3075.000	0.0	0.0	0.0
SP	770.900	1000.000	773.100	1065.000	773.400	1105.000	764.900	1112.000	764.100	1119.000
SR	754.700	1129.000	773.000	1136.000	779.200	1200.000	788.900	1279.000	0.0	0.0

X1	10340.000	10.000	1253.000	1261.000	1140.000	1140.000	1140.000	0.0	0.0	0.0
GR	741.500	1000.000	766.300	1100.000	780.500	1200.000	777.300	1253.000	768.900	1258.000
GR	758.500	1263.000	769.900	1273.000	777.200	1261.000	777.600	1300.000	778.300	1400.000
GR	778.300	1500.000	782.900	1600.000	789.200	1700.000	791.500	1752.000	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	17040.000	19.000	1384.000	1456.500	100.000	100.000	100.000	0.0	0.0	0.0
GF	799.400	1000.000	792.200	1100.000	797.900	1200.000	785.200	1300.000	791.100	1384.000
SK	791.100	1386.700	776.790	1397.000	769.900	1405.000	768.800	1415.000	769.400	1421.000
SR	773.300	1436.000	781.000	1454.000	781.400	1456.500	785.100	1600.000	785.700	1700.000
SR	797.900	1600.000	791.000	1900.000	795.300	2000.000	799.400	2086.000	0.0	0.0
SS	1.000	1.500	2.500	0.0	5.000	2.000	482.000	2.170	0.0	0.0

RON: MCSA 1741 EXCEL 782.6 RDELV 784.7

X1	17065.000	0.0	0.0	0.0	25.000	25.000	25.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	782.600	784.700	0.0	0.0	0.0	0.0	0.0
BT	12.000	1000.000	799.400	0.0	1100.000	792.200	0.0	1200.000	787.900	0.0
BT	1300.000	785.200	0.0	1384.000	794.700	782.600	1456.500	784.700	782.600	1600.000
BT	785.100	0.0	1700.000	785.700	0.0	1800.000	787.900	0.0	1900.000	791.000
BT	0.0	2000.000	795.300	0.0	2086.000	799.400	0.0	0.0	0.0	0.0
BC	0.085	0.085	0.060	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	17165.000	14.000	1283.000	1281.000	100.000	100.000	100.000	0.0	0.0	0.0
GF	791.500	1000.000	786.300	1100.000	780.500	1200.000	777.300	1253.000	768.900	1258.000
GF	768.500	1268.000	788.900	1273.000	777.200	1281.000	777.600	1300.000	778.300	1400.000
GF	773.300	1500.000	782.900	1600.000	789.200	1700.000	791.500	1752.000	0.0	0.0
JT	5.000	1120.000	1950.000	2350.000	3240.000	2350.000	2350.000	0.0	0.0	0.0

X1	20100.000	13.000	1385.000	1433.000	2935.000	2935.000	2935.000	0.0	0.0	0.0
GF	802.200	1000.000	795.900	1100.000	791.300	1200.000	787.100	1300.000	786.900	1385.000
GF	770.600	1392.000	779.200	1411.000	786.600	1433.000	785.800	1500.000	785.100	1600.000
GF	785.200	1700.000	794.500	1800.000	802.200	1837.000	0.0	0.0	0.0	0.0
JT	5.000	1100.000	1600.000	2280.000	3150.000	2280.000	2280.000	0.0	0.0	0.0

X1	21570.000	16.000	1687.000	1618.000	1470.000	1470.000	1470.000	0.0	0.0	0.0
GF	804.500	1000.000	804.600	1100.000	802.100	1200.000	802.800	1300.000	803.800	1400.000
GF	795.500	1500.000	793.500	1687.000	785.500	1596.000	785.000	1600.000	785.500	1610.000
GF	792.900	1618.000	792.300	1700.000	792.200	1800.000	792.300	1900.000	796.900	2000.000
GF	802.500	2072.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	21470.000	23.000	1712.500	1719.500	100.000	100.000	100.000	0.0	0.0	0.0
GF	812.000	1000.000	808.100	1100.000	806.500	1200.000	805.000	1300.000	803.100	1400.000
GF	800.800	1500.000	798.700	1580.000	796.500	1616.000	793.500	1703.000	788.500	1712.500
GF	785.000	1713.500	785.000	1716.000	786.000	1718.500	788.500	1719.500	792.900	1734.000
GF	797.300	1816.000	792.200	1916.000	792.300	2016.000	796.900	2116.000	807.700	2185.000
GF	806.200	2200.000	811.000	2300.000	812.000	2305.000	0.0	0.0	0.0	0.0
JT	3.900	1.500	2.500	0.0	5.500	0.010	38.470	0.0	0.0	0.0

RON: MCSA 1733 EXCEL 792.6 RDELV 797.3

X1	21717.000	0.0	0.0	0.0	57.000	57.000	57.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	792.000	797.300	0.0	0.0	0.0	0.0	0.0
BT	12.000	1000.000	808.100	0.0	1100.000	808.100	0.0	1200.000	806.500	0.0
BT	1300.000	804.500	0.0	1400.000	803.100	0.0	1500.000	800.800	0.0	1600.000
BT	785.100	0.0	1712.500	785.500	1713.500	788.500	1713.500	797.300	1716.000	797.300
BT	797.000	1719.500	797.300	1719.500	797.300	1719.500	788.500	1800.000	797.500	0.0
BT	1200.000	2000.000	0.0	2300.000	801.000	0.0	2100.000	804.700	0.0	2200.000
BT	804.500	0.0	2300.000	811.900	0.0	2305.000	812.000	0.0	0.0	0.0
BC	0.085	0.085	0.085	0.100	0.300	0.0	0.0	0.0	0.0	0.0

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

T1
 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	FO
	-10.	7.	0.	0.	0.0	0.0	0.0	0.	738.740	0.0
J2	PROF	PLLOT	PREVS	XSECV	XSECH	FM	ALLOC	IRW	CHNIM	ITRACE
	15.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	1.0

*PROF 2

CEHV= 0.100 CEHV= 0.300

*SECHO 2400.000

2800 NAT Q1= 544.28 WSEL= 737.74 ENC Q1= 544.28 WSEL= 738.54 RATIO= 0.0

NAT Q1=	740.	RATIOS	LOB,CH,FOE=	0.3443	0.3772	0.2785	WSEL=	738.54		
SECHO	DEPTH	CHSEL	CRINS	WSELK	EG	HV	HL	OLOSS	BANK	ELEV
0	WLOI	CH	GROR	ALOB	ACH	AROR	VOL	TWA	LEFT/RIGHT	
TIME	WLOI	CH	VRCH	XJL	XNCH	XBR	WTN	ELMIN	SSTA	
SLOPE	XLOPL	WCH	XLOPP	ITRIAL	IOC	ICONT	CORAR	TOPWID	ENDST	

3470 ENCROACHMENT STATIONS=	1102.4	1265.1	TYPE=	4	TARGET=	0.259			
2400.00	12.04	738.74	0.0	737.74	738.99	0.25	0.0	0.0	734.30
3010.	826.	1505.	779.	523.	291.	294.	0.	0.	734.60
0.0	2.56	5.17	2.31	0.085	0.060	0.085	0.0	726.70	1102.45
0.002706	2400.	2400.	2400.	0	0	0	0.0	162.66	1265.11

*SECHO 5225.000

2800 NAT Q1= 560.15 WSEL= 745.93 ENC Q1= 560.15 WSEL= 746.73 RATIO= 0.0

NAT Q1=	566.	RATIOS	LOB,CH,FOE=	0.2660	0.6797	0.0543	WSEL=	746.73		
3470 ENCROACHMENT STATIONS=	1212.2	1295.4	TYPE=	4	TARGET=	0.182				
5225.00	12.71	746.60	0.0	745.93	747.07	0.47	0.01	0.06	740.90	
3500.	410.	2497.	84.	159.	423.	46.	50.	8.	742.90	
0.15	2.63	5.90	1.84	0.085	0.060	0.085	0.060	733.90	1212.21	
0.002276	2825.	2825.	2825.	3	0	0	0.0	83.18	1295.39	

CEHV= 0.100 CEHV= 0.300

*SECHO 5300.000

2800 NAT Q1= 550.18 WSEL= 745.92 ENC Q1= 550.05 WSEL= 746.72 RATIO= -0.1961

NAT Q1=	533.	RATIOS	LOB,CH,FOE=	0.0006	0.9637	0.0357	WSEL=	746.72		
3470 ENCROACHMENT STATIONS=	1291.3	1354.3	TYPE=	4	TARGET=	0.036				
5300.00	12.63	746.73	0.0	745.92	747.30	0.56	0.20	0.03	741.90	
3000.	700.	2497.	0.	0.	497.	0.	51.	8.	744.50	

 PFC2 RELEASE DATED NOV 76 IN DATED 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	ELTPO	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP	
	A	2400.000	2400.00	0.0	0.0	3010.00	726.70	737.74	0.0	5.06	1055.71	1424.67	1087.65	0.0
		2400.000	2400.00	0.0	0.0	3010.00	726.70	738.74	0.0	5.17	1102.45	1265.11	907.92	1.00
	B	5225.000	2825.00	0.0	0.0	3000.00	733.90	745.93	0.0	5.54	1130.40	1341.96	806.77	0.0
		5225.000	2825.00	0.0	0.0	3000.00	733.90	746.60	0.0	5.90	1212.21	1295.39	628.11	0.68
		5300.000	75.00	0.0	0.0	3000.00	734.70	745.92	0.0	6.69	1290.38	1412.15	481.90	0.0
		5300.000	75.00	0.0	0.0	3000.00	734.70	746.73	0.0	6.03	1291.30	1359.30	497.42	0.81
		5318.000	18.00	747.60	745.40	3000.00	734.70	746.71	0.0	5.63	1290.20	1441.55	590.16	0.0
		5318.000	18.00	999999.00	0.0	3000.00	734.70	747.52	0.0	5.44	1291.30	1359.30	551.01	0.81
	C	5393.000	75.00	0.0	0.0	3000.00	735.50	746.94	0.0	6.22	1140.68	1326.69	688.51	0.0
		5393.000	75.00	0.0	0.0	3000.00	735.50	747.59	0.0	6.68	1220.87	1289.50	525.20	0.65
	D	9575.000	4182.00	0.0	0.0	2800.00	747.50	757.69	0.0	3.84	1049.07	1343.30	1219.62	0.0
		9575.000	4182.00	0.0	0.0	2800.00	747.50	758.55	0.0	4.04	1116.22	1304.35	1053.06	0.86
	E	10825.000	1250.00	0.0	0.0	2800.00	748.70	760.40	0.0	5.93	1101.86	1257.37	643.77	0.0
		10825.000	1250.00	0.0	0.0	2800.00	748.70	761.17	0.0	6.36	1189.74	1241.88	469.28	0.77
		10900.000	75.00	0.0	0.0	2800.00	749.60	760.49	0.0	6.88	1440.69	1532.35	416.75	0.0
		10900.000	75.00	0.0	0.0	2800.00	749.60	761.47	0.0	5.88	1450.00	1522.00	476.32	0.98
		10918.000	18.00	760.50	752.00	2800.00	749.60	760.57	0.0	6.77	1439.43	1532.99	424.17	0.0
		10918.000	18.00	760.50	762.00	2800.00	749.60	761.37	0.0	5.88	1432.39	1539.43	504.19	0.80
	F	10993.000	75.00	0.0	0.0	2400.00	750.50	760.88	0.0	7.48	1126.50	1239.69	468.07	0.0
		10993.000	75.00	0.0	0.0	2800.00	750.50	761.48	0.0	7.76	1197.00	1240.00	360.77	0.60
	G	12725.000	1732.00	0.0	0.0	2750.00	753.00	766.38	0.0	4.42	1167.97	1302.74	772.19	0.0
		12725.000	1732.00	0.0	0.0	2750.00	753.00	767.24	0.0	4.63	1212.67	1289.95	628.59	0.86
	H	15000.000	3075.00	0.0	0.0	2600.00	764.10	775.22	0.0	8.75	1056.27	1154.53	371.41	0.0
		15000.000	3075.00	0.0	0.0	2600.00	764.10	776.11	0.0	8.79	1105.00	1136.00	295.97	0.89
	I	16940.000	1140.00	0.0	0.0	2600.00	768.50	780.91	0.0	4.67	1192.85	1556.85	1092.70	0.0
		16940.000	1140.00	0.0	0.0	2600.00	768.50	781.81	0.0	4.82	1233.40	1402.51	865.01	0.90

	SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
J	17040.000	100.00	0.0	0.0	2600.00	768.80	780.83	0.0	6.66	1386.66	1450.72	390.37	0.0
	17040.000	100.00	0.0	0.0	2600.00	768.80	781.84	0.0	5.65	1384.00	1456.50	460.50	1.01
	17065.000	25.00	784.70	782.60	2600.00	768.80	780.92	0.0	6.56	1386.44	1451.24	396.12	0.0
	17065.000	25.00	784.70	782.60	2600.00	768.80	781.72	0.0	5.75	1371.21	1469.08	457.91	0.80
J	17165.000	100.00	0.0	0.0	2600.00	768.50	781.73	0.0	3.62	1178.69	1574.70	1404.63	0.0
	17165.000	100.00	0.0	0.0	2600.00	768.50	782.41	0.0	3.89	1224.20	1431.50	1120.43	0.68
K	20100.000	2935.00	0.0	0.0	2350.00	778.60	787.42	0.0	4.85	1292.39	1723.87	863.06	0.0
	20100.000	2935.00	0.0	0.0	2350.00	778.60	788.25	0.0	5.22	1355.47	1559.35	668.93	0.83
L	21570.000	1470.00	0.0	0.0	2280.00	785.00	794.18	0.0	5.84	1567.14	1940.99	769.63	0.0
	21570.000	1470.00	0.0	0.0	2280.00	785.00	794.95	0.0	6.35	1580.12	1752.92	574.70	0.77
	21670.000	100.00	0.0	0.0	2280.00	785.00	794.52	0.0	4.82	1673.50	2064.21	827.66	0.0
	21670.000	100.00	0.0	0.0	2280.00	785.00	795.36	0.0	5.01	1703.89	1905.96	678.95	0.85
	21727.000	57.00	797.30	792.00	2280.00	785.00	799.45	0.0	0.86	1548.92	2132.32	3280.16	0.0
	21727.000	57.00	99999.00	0.0	2280.00	785.00	800.29	0.0	0.89	1625.55	2012.86	2964.35	0.85
M	21827.000	100.00	0.0	0.0	2280.00	785.10	799.45	0.0	1.24	1460.99	2015.20	3267.45	0.0
	21827.000	100.00	0.0	0.0	2280.00	785.10	800.29	0.0	1.28	1513.92	1891.60	2936.95	0.85
N	24500.000	2673.00	0.0	0.0	1144.00	799.90	804.62	804.62	8.04	1203.59	1665.00	274.47	0.0
	24500.000	2673.00	0.0	0.0	1144.00	799.90	805.44	805.44	8.31	1202.25	1547.10	241.55	0.86
O	26219.000	1715.00	0.0	0.0	1102.00	807.30	816.59	0.0	4.27	1052.12	1322.85	418.01	0.0
	26219.000	1715.00	0.0	0.0	1102.00	807.30	817.60	0.0	4.43	1140.00	1172.00	248.87	1.01
	26290.000	75.00	0.0	0.0	1102.00	810.60	818.53	818.53	7.54	1196.77	1469.79	252.37	0.0
	26290.000	75.00	0.0	0.0	1102.00	810.60	817.33	817.33	13.31	1309.16	1329.26	91.86	-1.19
	26312.000	22.00	817.20	815.60	1102.00	810.60	819.05	0.0	5.08	1183.08	1497.89	409.30	0.0
	26312.000	22.00	99999.00	0.0	1102.00	810.60	817.86	817.74	11.05	1301.19	1383.85	119.64	-1.19
P	26387.000	75.00	0.0	0.0	1102.00	813.90	819.26	819.26	11.16	1143.78	1169.75	98.75	0.0
	26387.000	75.00	0.0	0.0	1102.00	813.90	819.27	819.27	11.11	1143.75	1169.76	99.16	0.02

SUMMARY OF ERRORS

CAUTION SECNO=24500.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO=24500.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=24500.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=24500.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO=24500.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=24500.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=26290.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO=26290.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=26290.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=26290.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO=26290.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=26290.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=26387.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO=26387.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=26387.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=26387.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO=26387.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=26387.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

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

STATION	FLOODWAY			WATER SURFACE ELEVATION		
	WIDTH (FT)	SECTION AREA	MEAN VELOCITY	WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
A 2400.000	163.	908.	3.3	738.7	737.7	1.0
B 5225.000	73.	628.	4.6	746.6	745.9	0.7
5300.000	68.	497.	6.0	746.7	745.9	0.8
5318.000	68.	551.	5.4	747.5	746.7	0.8
L 5393.000	59.	525.	5.7	747.6	746.9	0.7
D 9575.000	188.	1053.	2.7	758.6	757.7	0.9
E 10825.000	52.	469.	6.0	761.4	760.4	0.8
10900.000	72.	476.	5.9	761.5	760.5	1.0
10918.000	107.	504.	5.6	761.4	760.6	0.8
F 10993.000	43.100	361.763	7.8 6.0	761.5 760.9	760.9	0.6 0.6
G 12725.000	57.	629.	4.4	767.3	766.4	0.9
H 15820.000	51.99	296.271	4.8 7.0	776.1 775.2	775.2	0.9 0.9
I 16940.000	169.	865.	3.0	781.8	780.9	0.9
17049.000	73.	460.	5.6	781.8	780.8	1.0
17065.000	98.	454.	5.7	781.7	780.9	0.8
J 17165.000	207.	1120.	2.3	782.4	781.7	0.7
K 20100.000	200.	669.	3.5	788.2	787.4	0.8
L 21570.000	173.	575.	4.0	795.0	794.2	0.8
21670.000	202.	479.	3.4	795.3	794.5	0.8
21727.000	397.	2964.	0.8	800.2	799.4	0.8
M 21827.000	378.	2737.	0.8	800.2	799.4	0.8
N 24500.000	146.395	242.	4.7	805.5	804.6	0.9
O 26215.000	42.570	249.	4.4	817.6	816.6	1.0
26240.000	20.	92.	12.0	817.4	816.5	-1.1
26312.000	54.	120.	9.2	818.0	817.1	-1.1
26337.000	56.50	99.	11.1 11.0	819.3	819.3	0.0

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

EU