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

C
 T1 LEXINGTON-DAVIDSON CO. STREAM 6L
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-1.	2.	0.	0.	0.018000	0.0	0.0	0.	718.000	0.0
J2	NPROF	IPLLOT	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	422.000	731.000	886.000	1254.000	886.000	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	50.000	18.000	1376.000	1395.000	50.000	50.000	50.000	50.000	0.0	-1.800
GR	734.700	1000.000	728.500	1163.000	728.900	1175.000	728.000	1187.000	727.700	1200.000
GR	722.200	1300.000	721.100	1342.000	721.700	1344.000	721.000	1373.000	720.500	1376.000
GR	715.000	1377.000	714.700	1385.000	715.100	1385.000	715.100	1393.000	719.300	1395.000
GR	720.900	1400.000	730.200	1500.000	734.700	1571.000	0.0	0.0	0.0	0.0
X1	100.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.200	0.0
NC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	150.000	17.000	1468.500	1475.500	50.000	50.000	50.000	0.0	0.0	0.0
GR	735.500	1000.000	730.200	1100.000	725.200	1200.000	722.300	1300.000	720.300	1400.000
GR	720.200	1428.000	719.400	1461.000	714.200	1468.500	713.200	1468.500	713.200	1475.500
GR	714.200	1475.500	717.800	1482.000	719.300	1487.000	719.400	1500.000	722.200	1600.000
GR	725.600	1697.000	735.400	1719.000	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	5.000	0.010	35.000	0.0	0.0	0.0

RDNO W. THIRD AVE. MXLCEL 718.2 RDELV 719.1

X1	177.000	0.0	0.0	0.0	27.000	27.000	27.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	718.200	0.0	0.0	0.0	0.0	0.0	0.0
BT	12.000	1000.000	735.500	0.0	1100.000	730.200	0.0	1200.000	725.200	0.0
BT	1300.000	722.300	0.0	1400.000	720.300	0.0	1428.000	720.200	0.0	1468.500
BT	719.100	718.200	1475.500	719.100	718.200	1500.000	719.400	0.0	1600.000	722.200

BT	0.0	1697.000	725.600	0.0	1719.000	735.400	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	227.000	18.000	1376.000	1395.000	50.000	50.000	50.000	0.0	-1.000	0.0
GR	734.700	1000.000	728.500	1163.000	728.900	1175.000	728.000	1187.000	727.700	1200.000
GR	722.200	1300.000	721.100	1342.000	721.700	1344.000	721.000	1373.000	720.500	1376.000
GR	715.000	1377.000	714.700	1385.000	715.100	1385.000	715.100	1393.000	719.300	1395.000
GR	720.900	1400.000	730.200	1500.000	734.700	1571.000	0.0	0.0	0.0	0.0

X1	327.000	0.0	0.0	0.0	100.000	100.000	100.000	0.0	1.000	0.0
QT	5.000	407.000	709.000	861.300	1224.000	861.000	0.0	0.0	0.0	0.0

X1	350.000	0.0	0.0	0.0	23.000	23.000	23.000	0.0	0.100	0.0
NC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	400.000	20.000	1286.000	1294.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	719.900	1000.000	720.700	1100.000	721.700	1200.000	722.800	1282.000	719.100	1286.000
GR	718.000	1286.400	717.600	1287.500	718.000	1288.600	719.100	1289.000	719.100	1291.000
GR	718.000	1291.400	717.600	1292.500	718.000	1293.600	719.100	1294.000	722.200	1300.000
GR	723.100	1303.000	725.800	1400.000	730.400	1500.000	735.900	1600.000	739.400	1682.000
SB	0.900	1.500	2.500	0.0	6.000	0.010	14.130	0.0	0.0	0.0

RDNO WESTSIDE DR. MXLCEL 720.6 RDELV 722.9

X1	473.000	0.0	0.0	0.0	73.000	73.000	73.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	720.600	0.0	0.0	0.0	0.0	0.0	0.0
BT	18.000	1000.000	719.900	0.0	1100.000	720.700	0.0	1200.000	721.700	0.0
HT	1286.000	722.800	719.100	1286.400	722.800	720.200	1287.500	722.800	720.600	1288.600
BT	722.800	720.200	1289.000	722.800	719.100	1291.000	722.900	719.100	1291.400	722.900
BT	720.200	1292.500	722.900	720.600	1293.600	722.900	720.200	1294.000	722.900	719.100
BT	1300.000	723.000	0.0	1400.000	725.800	0.0	1500.000	730.400	0.0	1600.000
BT	735.900	0.0	1682.000	739.400	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	523.000	16.000	1216.000	1246.000	50.000	50.000	50.000	0.0	-0.400	0.0
GR	739.000	1000.000	730.600	1100.000	723.700	1200.000	723.500	1216.000	718.900	1220.000
GR	718.300	1231.000	719.000	1242.000	723.600	1246.000	725.200	1300.000	730.600	1357.000
GR	727.400	1400.000	729.600	1500.000	731.900	1600.000	735.300	1700.000	737.600	1800.000
GR	739.300	1821.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	573.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.300	0.0
QT	5.000	403.000	694.000	841.000	1190.000	841.000	0.0	0.0	0.0	0.0

X1	600.000	17.000	1216.000	1246.000	27.000	27.000	27.000	0.0	0.900	0.0
GR	739.000	1000.000	730.600	1100.000	723.700	1200.000	723.500	1216.000	718.900	1220.000
GR	718.300	1231.000	718.700	1236.000	719.000	1242.000	723.600	1246.000	725.200	1300.000
GR	730.600	1357.000	729.400	1400.000	729.600	1500.000	731.900	1600.000	735.300	1700.000
GR	737.600	1800.000	739.300	1821.000	0.0	0.0	0.0	0.0	0.0	0.0

X1	650.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.600	0.0
NC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	700.000	21.000	1278.500	1283.500	50.000	50.000	50.000	0.0	0.0	0.0
GR	742.700	1000.000	734.200	1100.000	730.000	1181.000	725.200	1250.000	725.000	1266.000
GR	723.000	1278.500	721.500	1279.000	720.700	1280.000	720.500	1281.000	720.700	1282.000
GR	721.500	1283.000	723.000	1283.500	725.100	1296.000	726.700	1350.000	732.100	1407.000

GR	733,100	1445,000	731,600	1500,000	733,400	1600,000	738,100	1700,000	740,600	1800,000
GR	742,000	1830,000	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	5,000	0,010	19,600	0,0	0,0	0,0

ROND W SECOND ST. MXLCEL 725.5 RDELV 727.8

X1	750,000	0,0	0,0	0,0	50,000	50,000	50,000	0,0	0,0	0,0
X2	0,0	0,0	1,000	725,500	0,0	0,0	0,0	0,0	0,0	0,0
BT	18,000	1000,000	742,700	0,0	1100,000	734,200	0,0	1200,000	729,000	0,0
BT	1278,500	727,800	723,000	1279,000	727,800	724,500	1280,000	727,800	725,300	1281,000
BT	727,800	725,500	1282,000	727,800	725,300	1283,000	727,800	724,500	1283,500	727,800
BT	723,000	1300,000	728,000	0,0	1400,000	731,700	0,0	1445,000	733,100	0,0
BT	1500,000	731,600	0,0	1600,000	733,400	0,0	1700,000	738,100	0,0	1800,000
BT	740,600	0,0	1830,000	742,000	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	800,000	17,000	1216,000	1246,000	50,000	50,000	50,000	0,0	2,600	0,0
GR	739,000	1000,000	730,600	1100,000	723,700	1200,000	723,500	1216,000	718,900	1220,000
GR	718,300	1231,000	718,700	1236,000	719,000	1242,000	723,600	1246,000	725,200	1300,000
GR	730,600	1357,000	729,400	1400,000	729,600	1500,000	731,900	1600,000	735,300	1700,000
GR	737,600	1800,000	739,300	1821,000	0,0	0,0	0,0	0,0	0,0	0,0

X1	850,000	0,0	0,0	0,0	50,000	50,000	50,000	0,0	0,500	0,0
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X1	900,000	0,0	0,0	0,0	50,000	50,000	50,000	0,0	0,300	0,0
NC	0,025	0,025	0,025	0,100	0,300	0,0	0,0	0,0	0,0	0,0

X1	950,000	21,000	1497,700	1502,200	50,000	50,000	50,000	0,0	0,0	0,0
GR	731,000	1000,000	733,200	1100,000	732,700	1200,000	733,000	1220,000	730,900	1300,000
GR	729,000	1400,000	729,100	1493,000	728,000	1494,000	724,900	1497,700	723,300	1498,400
GR	722,600	1500,000	723,300	1501,600	724,900	1502,200	726,400	1507,000	728,700	1604,000
GR	730,200	1649,000	730,400	1663,000	730,300	1677,000	730,800	1704,000	732,600	1804,000
GR	744,100	1821,000	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	4,500	0,010	15,900	0,0	0,0	0,0

ROND MARTIN ST. MXLCEL 727.1 RDELV 729.1

X1	1004,000	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	727,100	0,0	0,0	0,0	0,0	0,0	0,0
BT	16,000	1000,000	731,000	0,0	1100,000	733,200	0,0	1200,000	732,700	0,0
BT	1220,000	733,000	0,0	1300,000	730,900	0,0	1400,000	729,000	0,0	1497,700
BT	729,100	724,900	1498,400	729,100	726,500	1500,000	729,100	727,100	1501,600	729,100
BT	726,500	1502,200	729,100	724,900	1600,000	732,000	0,0	1700,000	737,000	0,0
BT	1748,000	739,200	0,0	1800,000	742,200	0,0	1821,000	744,100	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	1054,000	15,000	1090,000	1103,000	50,000	50,000	50,000	0,0	-1,200	0,0
GR	745,800	1000,000	741,500	1074,000	729,400	1090,000	724,600	1091,000	724,000	1096,000
GR	724,700	1100,000	727,800	1103,000	730,100	1200,000	731,600	1245,000	731,800	1259,000
GR	731,700	1273,000	732,200	1300,000	734,000	1400,000	737,500	1500,000	740,600	1600,000

X1	1104,000	0,0	0,0	0,0	50,000	50,000	50,000	0,0	0,200	0,0
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X1	1300,000	16,000	1090,000	1103,000	196,000	196,000	196,000	0,0	0,0	0,0
GR	745,800	1000,000	741,500	1074,000	729,400	1090,000	724,600	1091,000	724,000	1096,000
GR	724,400	1098,000	724,700	1100,000	727,800	1103,000	730,100	1200,000	731,600	1245,000
GR	731,800	1259,000	731,700	1273,000	732,200	1300,000	734,000	1400,000	737,500	1500,000

GR 740,600 1600,000 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

X1 1350,000 0.0 0.0 0.0 50,000 50,000 50,000 0.0 0.400 0.0
NC 0.025 0.025 0.025 0.100 0.300 0.0 0.0 0.0 0.0 0.0

X1 1400,000 18,000 1275,000 1281,000 50,000 50,000 50,000 0.0 0.0 0.0
GR 752,200 1000,000 746,800 1100,000 741,600 1200,000 738,800 1262,000 730,900 1272,000
GR 728,000 1275,000 725,500 1275,000 725,500 1281,000 728,600 1281,000 729,300 1285,000
GR 731,600 1382,000 733,100 1427,000 733,300 1441,000 733,200 1455,000 733,700 1482,000
GR 735,500 1582,000 739,000 1682,000 746,900 1800,000 0.0 0.0 0.0 0.0
SB 0.900 1,500 2,500 0.0 8,000 0.010 48,000 0.0 0.0 0.0

RONO W. CENTER ST. MXLCEL 733.5 RDELV 738.1

X1 1455,000 0.0 0.0 0.0 55,000 55,000 55,000 0.0 0.0 0.0
X2 0.0 0.0 1,000 733,500 0.0 0.0 0.0 0.0 0.0 0.0
BT 12,000 1000,000 752,200 0.0 1100,000 746,800 0.0 1200,000 741,600 0.0
BT 1275,000 738,100 733,500 1281,000 738,100 733,500 1282,000 738,100 0.0 1300,000
BT 737,700 0.0 1400,000 738,300 0.0 1500,000 740,500 0.0 1600,000 742,600
BT 0.0 1700,000 744,900 0.0 1800,000 746,900 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 1505,000 16,000 1090,000 1103,000 50,000 50,000 50,000 0.0 1,900 0.0
GR 745,800 1000,000 741,500 1074,000 729,400 1090,000 724,600 1091,000 724,000 1096,000
GR 724,400 1098,000 724,700 1100,000 727,800 1103,000 730,100 1200,000 731,600 1245,000
GR 731,800 1259,000 731,700 1273,000 732,200 1300,000 734,000 1400,000 737,500 1500,000
GR 740,600 1600,000 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

X1 1555,000 0.0 0.0 0.0 50,000 50,000 50,000 0.0 0.400 0.0
QT 5,000 376,000 650,000 790,000 1122,000 790,000 0.0 0.0 0.0 0.0

X1 1600,000 18,000 1136,000 1163,000 45,000 45,000 45,000 0.0 -3,000 0.0
GR 750,200 1000,000 735,400 1100,000 735,000 1136,000 730,400 1141,000 730,200 1147,000
GR 730,300 1150,000 730,300 1153,000 735,300 1163,000 736,000 1200,000 738,100 1300,000
GR 738,700 1370,000 734,400 1380,000 734,100 1382,000 734,300 1384,000 739,800 1395,000
GR 740,000 1400,000 746,400 1500,000 750,100 1537,000 0.0 0.0 0.0 0.0

X1 1650,000 0.0 0.0 0.0 50,000 50,000 50,000 0.0 0.300 0.0
NC 0.025 0.025 0.025 0.100 0.300 0.0 0.0 0.0 0.0 0.0

X1 1700,000 19,000 1432,000 1436,000 50,000 50,000 50,000 0.0 0.0 0.0
GR 750,200 1000,000 747,500 1100,000 746,500 1155,000 745,300 1200,000 740,600 1300,000
GR 737,100 1368,000 734,300 1387,000 733,900 1423,000 731,100 1432,000 729,400 1433,000
GR 729,100 1434,000 729,400 1435,000 731,100 1436,000 734,200 1450,000 735,000 1485,000
GR 735,100 1500,000 736,700 1600,000 741,900 1700,000 751,000 1780,000 0.0 0.0
SB 0.900 2,000 2,500 0.0 4,000 0.010 12,600 0.0 0.0 0.0

RONO N. PAYNE ST. MXLCEL 733.1 RDELV 735.1

X1 1915,000 0.0 0.0 0.0 215,000 215,000 215,000 0.0 0.0 0.0
X2 0.0 0.0 1,000 733,100 0.0 0.0 0.0 0.0 0.0 0.0
BT 15,000 1000,000 750,200 0.0 1100,000 747,500 0.0 1155,000 746,500 0.0
BT 1200,000 745,300 0.0 1300,000 740,600 0.0 1400,000 735,700 0.0 1432,000
BT 735,100 731,100 1433,000 735,100 732,800 1434,000 735,100 733,100 1435,000 735,100
BT 732,800 1436,000 735,100 731,100 1500,000 735,100 0.0 1600,000 736,700 0.0
BT 1700,000 741,900 0.0 1780,000 751,000 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

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

T1 LEXINGTON-DAVIDSON CO. STREAM 6L
 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	FR
	-10.	3.	0.	0.	0.018000	0.0	0.0	0.	719.000	0.0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2,000	0.0	-1,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

*PROF 2

CCHV= 0.100 CEHV= 0.300
 *SECNO 50,000

SECNO	DEPTH	CWSEL	CRISW	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
3720	CRITICAL DEPTH ASSUMED								
50.00	4.18	717.08	717.08	719.00	718.91	1.83	0.0	0.0	718.70
731.	0.	731.	0.	0.	67.	0.	0.	0.	717.50
0.0	0.0	10.87	0.0	0.055	0.035	0.055	0.0	712.90	1376.29
0.017078	50.	50.	50.	0	14	0	0.0	18.51	1395.80

*SECNO 100,000

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CWSEL	CRISW	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
100.00	5.40	718.50	0.0	0.0	719.52	1.02	0.52	0.08	718.90
731.	0.	730.	1.	0.	90.	1.	0.	0.	717.70
0.00	0.0	8.10	1.19	0.055	0.035	0.055	0.034	713.10	1376.07
0.007013	50.	50.	50.	3	0	0	0.0	21.42	1397.50

CCHV= 0.100 CEHV= 0.300
 *SECNO 150,000

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CWSEL	CRISW	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

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

T1 LEXINGTON-DAVIDSON CO. STREAM 6L
 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	FR
	-10.	4.	0.	0.	0.018000	0.0	0.0	0.	721.000	0.0
J2	NPROF	IPLT	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 50.000

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

3720 CRITICAL DEPTH ASSUMED

50.00	4.71	717.61	717.61	721.00	719.66	2.05	0.0	0.0	718.70
886.	0.	886.	0.	0.	77.	0.	0.	0.	717.50
0.0	0.0	11.49	0.03	0.055	0.035	0.055	0.0	712.90	1376.20
0.016764	50.	50.	50.	0	11	0	0.0	19.14	1395.34

*SECNO 100.000

3301 HV CHANGED MORE THAN HVINS

100.00	6.00	719.10	0.0	0.0	720.26	1.16	0.52	0.09	718.90
886.	0.	881.	5.	0.	101.	3.	0.	0.	717.70
0.00	0.48	8.68	1.73	0.055	0.035	0.055	0.034	713.10	1374.82
0.007022	50.	50.	50.	3	0	0	0.0	24.55	1399.37

CCHV= 0.100 CEHV= 0.300
 *SECNO 150.000

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

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

150.00	6.97	720.17	720.17	0.0	721.00	0.83	0.20	0.03	714.20
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 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

T1 LEXINGTON-DAVIDSON CO. STREAM 6L
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 500 YEAR FLOOD WATER SURFACE PROFILE

U1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	5.	0.	0.	0.018000	0.0	0.0	0.	722.000	0.0
U2	NPROF	IPLT	PRFS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15,000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	5.0	0.0

*PROF 4

CCHV= 0.100 CEHV= 0.300
 *SECNO 50,000

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	LOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
3720	CRITICAL DEPTH ASSUMED								
50.00	5.79	718.69	718.69	722.00	721.22	2.53	0.0	0.0	718.70
1254.	0.	1249.	5.	0.	98.	2.	0.	0.	717.50
0.0	0.0	12.79	2.35	0.055	0.035	0.055	0.0	712.90	1376.00
0.016057	50.	50.	50.	0	14	0	0.0	22.73	1398.73

*SECNO 100,000

3301 HV CHANGED MORE THAN HVINS

100.00	7.84	720.94	0.0	0.0	721.74	0.80	0.34	0.17	718.90
1254.	138.	1060.	56.	80.	136.	26.	0.	0.	717.70
0.00	1.73	7.77	2.12	0.055	0.035	0.055	0.034	713.10	1293.96
0.003800	50.	50.	50.	2	0	0	0.0	123.59	1417.55

CCHV= 0.100 CEHV= 0.300
 *SECNO 150,000

3301 HV CHANGED MORE THAN HVINS

150.00	8.46	721.66	0.0	0.0	721.87	0.21	0.07	0.06	714.20
1254.	442.	338.	474.	185.	59.	175.	1.	0.	714.20
0.01	2.39	5.70	2.72	0.025	0.025	0.025	0.029	713.20	1331.56
0.000745	50.	50.	50.	2	0	0	0.0	249.47	1581.02

 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	G	EI,MIN	CNSL	CRIMS	VCH	SSTA	ENDST	AREA	DIFWSP
* 50.0000	50.00	0.0	0.0	422.00	712.90	715.90	715.90	9.19	1376.51	1394.24	45.91	0.0
* 50.0000	50.00	0.0	0.0	731.00	712.90	717.08	717.08	10.87	1376.29	1394.80	67.26	0.0
* 50.0000	50.00	0.0	0.0	886.00	712.90	717.61	717.61	11.49	1376.20	1395.34	77.15	0.0
* 50.0000	50.00	0.0	0.0	1254.00	712.90	718.69	718.69	12.79	1376.00	1398.73	99.87	1.08
100.0000	50.00	0.0	0.0	422.00	713.10	717.11	717.11	6.56	1376.32	1394.72	64.31	0.0
100.0000	50.00	0.0	0.0	731.00	713.10	718.50	718.50	8.10	1376.07	1397.50	91.15	0.0
100.0000	50.00	0.0	0.0	886.00	713.10	719.10	719.10	8.68	1374.82	1399.37	104.66	0.0
100.0000	50.00	0.0	0.0	1254.00	713.10	720.94	720.94	7.77	1293.96	1417.55	242.78	1.84
* 150.0000	50.00	0.0	0.0	422.00	713.20	717.49	717.49	10.57	1463.75	1481.45	47.67	0.0
* 150.0000	50.00	0.0	0.0	731.00	713.20	718.87	718.87	11.80	1461.77	1485.56	75.91	0.0
* 150.0000	50.00	0.0	0.0	886.00	713.20	720.17	720.17	9.20	1429.18	1527.55	142.89	0.0
* 150.0000	50.00	0.0	0.0	1254.00	713.20	721.66	721.66	5.70	1331.56	1581.02	418.54	1.49
177.0000	27.00	719.10	718.20	422.00	713.20	719.53	719.53	6.60	1455.40	1504.84	95.90	0.0
177.0000	27.00	719.10	718.20	731.00	713.20	720.43	720.43	6.67	1393.14	1537.04	176.30	0.0
177.0000	27.00	719.10	718.20	886.00	713.20	720.91	720.91	6.19	1369.20	1554.14	255.02	0.0
177.0000	27.00	719.10	718.20	1254.00	713.20	721.83	721.83	5.21	1323.34	1586.89	460.67	0.92
227.0000	50.00	0.0	0.0	422.00	713.70	719.70	719.70	4.12	1374.75	1399.40	104.94	0.0
227.0000	50.00	0.0	0.0	731.00	713.70	720.40	720.40	6.23	1330.71	1405.33	129.55	0.0
227.0000	50.00	0.0	0.0	886.00	713.70	720.69	720.69	7.04	1319.25	1408.56	152.08	0.0
227.0000	50.00	0.0	0.0	1254.00	713.70	721.38	721.38	8.15	1296.66	1415.95	224.75	0.69
327.0000	100.00	0.0	0.0	422.00	714.70	719.82	719.82	4.95	1376.12	1396.67	85.56	0.0
327.0000	100.00	0.0	0.0	731.00	714.70	720.62	720.62	7.27	1375.30	1399.12	102.72	0.0
327.0000	100.00	0.0	0.0	886.00	714.70	720.93	720.93	8.29	1373.44	1400.30	110.56	0.0
327.0000	100.00	0.0	0.0	1254.00	714.70	721.41	721.41	10.66	1330.31	1405.44	130.20	0.47
350.0000	23.00	0.0	0.0	407.00	714.80	719.91	719.91	4.80	1376.12	1396.60	85.15	0.0
350.0000	23.00	0.0	0.0	709.00	714.80	720.82	720.82	6.91	1374.68	1399.44	105.22	0.0
350.0000	23.00	0.0	0.0	861.00	714.80	721.20	721.20	7.79	1341.83	1402.20	115.77	0.0
350.0000	23.00	0.0	0.0	1224.00	714.80	722.51	722.51	7.90	1296.22	1416.21	227.64	1.31
* 400.0000	50.00	0.0	0.0	407.00	717.60	721.02	721.02	6.47	1000.00	1297.71	104.44	0.0
* 400.0000	50.00	0.0	0.0	709.00	717.60	721.55	721.55	5.68	1000.00	1298.73	195.62	0.0
* 400.0000	50.00	0.0	0.0	861.00	717.60	722.21	722.21	3.59	1000.00	1300.02	346.70	0.0
* 400.0000	50.00	0.0	0.0	1224.00	717.60	723.42	723.42	2.25	1000.00	1314.54	702.07	1.21

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
* 473.000	73.00	719.90	720.60	407.00	717.60	721.34	0.0	4.13	1000.00	1298.34	157.35	0.0
* 473.000	73.00	719.90	720.60	709.00	717.60	721.83	0.0	4.18	1000.00	1299.29	257.02	0.0
473.000	73.00	719.90	720.60	861.00	717.60	722.36	0.0	3.17	1000.00	1300.53	386.50	0.0
473.000	73.00	719.90	720.60	1224.00	717.60	723.52	0.0	2.14	1000.00	1318.21	734.47	1.17
523.000	50.00	0.0	0.0	407.00	717.90	721.22	0.0	5.63	1217.63	1244.29	72.35	0.0
* 523.000	50.00	0.0	0.0	709.00	717.90	721.31	721.31	9.53	1217.56	1244.35	74.40	0.0
* 523.000	50.00	0.0	0.0	861.00	717.90	721.71	721.71	10.00	1217.21	1244.71	85.42	0.0
* 523.000	50.00	0.0	0.0	1224.00	717.90	722.58	722.58	11.13	1216.45	1245.46	109.99	0.87
573.000	50.00	0.0	0.0	407.00	718.20	721.48	0.0	5.73	1217.67	1244.24	71.06	0.0
573.000	50.00	0.0	0.0	709.00	718.20	722.41	0.0	7.35	1216.86	1245.05	96.52	0.0
573.000	50.00	0.0	0.0	861.00	718.20	722.87	0.0	7.86	1216.46	1245.45	109.53	0.0
573.000	50.00	0.0	0.0	1224.00	718.20	723.85	722.89	8.77	1196.41	1257.74	146.74	0.98
* 600.000	27.00	0.0	0.0	403.00	719.20	721.69	721.69	8.05	1218.36	1243.55	50.04	0.0
* 600.000	27.00	0.0	0.0	694.00	719.20	722.58	722.58	9.47	1217.58	1244.33	73.30	0.0
* 600.000	27.00	0.0	0.0	841.00	719.20	722.98	722.98	10.00	1217.23	1244.68	84.11	0.0
* 600.000	27.00	0.0	0.0	1190.00	719.20	723.83	723.83	11.00	1216.49	1245.42	108.17	0.85
650.000	50.00	0.0	0.0	403.00	719.80	722.59	0.0	6.98	1218.10	1243.82	57.76	0.0
650.000	50.00	0.0	0.0	694.00	719.80	723.50	0.0	8.47	1217.30	1244.61	81.93	0.0
650.000	50.00	0.0	0.0	841.00	719.80	723.90	0.0	9.05	1216.96	1244.95	92.88	0.0
650.000	50.00	0.0	0.0	1190.00	719.80	724.73	0.0	10.19	1216.24	1245.68	116.77	0.83
* 700.000	50.00	0.0	0.0	403.00	720.50	725.57	725.57	7.94	1244.67	1311.90	73.12	0.0
* 700.000	50.00	0.0	0.0	694.00	720.50	726.09	726.09	9.05	1237.19	1329.46	114.62	0.0
* 700.000	50.00	0.0	0.0	841.00	720.50	726.29	726.29	9.43	1234.29	1336.27	134.20	0.0
* 700.000	50.00	0.0	0.0	1190.00	720.50	726.78	726.78	9.47	1227.32	1350.82	189.20	0.48
750.000	50.00	727.80	725.50	403.00	720.50	728.96	0.0	1.02	1195.83	1373.95	519.61	0.0
750.000	50.00	727.80	725.50	694.00	720.50	729.58	0.0	1.41	1186.93	1380.48	634.71	0.0
750.000	50.00	727.80	725.50	841.00	720.50	729.81	0.0	1.59	1183.90	1382.78	677.36	0.0
750.000	50.00	727.80	725.50	1190.00	720.50	730.27	0.0	1.93	1175.74	1387.72	773.34	0.47
800.000	50.00	0.0	0.0	403.00	720.90	728.95	0.0	1.49	1161.61	1312.13	417.34	0.0
800.000	50.00	0.0	0.0	694.00	720.90	729.56	0.0	2.18	1152.78	1318.56	513.67	0.0
800.000	50.00	0.0	0.0	841.00	720.90	729.78	0.0	2.50	1149.57	1320.89	550.95	0.0
800.000	50.00	0.0	0.0	1190.00	720.90	730.23	0.0	3.16	1143.00	1325.68	631.17	0.45
850.000	50.00	0.0	0.0	403.00	721.40	728.95	0.0	1.72	1168.80	1306.89	345.68	0.0
850.000	50.00	0.0	0.0	694.00	721.40	729.56	0.0	2.49	1159.93	1313.35	434.89	0.0
850.000	50.00	0.0	0.0	841.00	721.40	729.78	0.0	2.84	1156.78	1315.65	468.88	0.0
850.000	50.00	0.0	0.0	1190.00	721.40	730.23	0.0	3.57	1150.19	1320.45	543.73	0.45
900.000	50.00	0.0	0.0	403.00	721.70	728.95	0.0	1.87	1173.12	1303.74	305.67	0.0
900.000	50.00	0.0	0.0	694.00	721.70	729.56	0.0	2.70	1164.22	1310.23	390.59	0.0
900.000	50.00	0.0	0.0	841.00	721.70	729.78	0.0	3.07	1160.97	1312.59	423.95	0.0
900.000	50.00	0.0	0.0	1190.00	721.70	730.24	0.0	3.85	1154.40	1317.30	495.30	0.46
950.000	50.00	0.0	0.0	403.00	722.60	728.94	0.0	3.46	1493.15	1611.16	186.40	0.0
950.000	50.00	0.0	0.0	694.00	722.60	729.59	0.0	3.57	1369.62	1630.32	325.80	0.0
950.000	50.00	0.0	0.0	841.00	722.60	729.84	0.0	3.53	1355.87	1638.16	396.71	0.0
950.000	50.00	0.0	0.0	1190.00	722.60	730.36	0.0	3.46	1328.21	1680.46	557.36	0.52

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
* 1004.000	54.00	729.00	727.10	403.00	722.60	729.97	0.0	1.53	1348.60	1642.30	436.49	0.0
1004.000	54.00	729.00	727.10	694.00	722.60	730.43	0.0	1.93	1324.81	1683.96	580.25	0.0
1004.000	54.00	729.00	727.10	841.00	722.60	730.61	0.0	2.08	1315.08	1693.94	648.45	0.0
1004.000	54.00	729.00	727.10	1190.00	722.60	731.00	0.0	2.33	1296.22	1715.08	802.47	0.39
1054.000	50.00	0.0	0.0	403.00	722.80	729.95	0.0	2.38	1087.68	1231.66	313.01	0.0
1054.000	50.00	0.0	0.0	694.00	722.80	730.40	0.0	3.39	1087.09	1244.91	379.67	0.0
1054.000	50.00	0.0	0.0	841.00	722.80	730.57	0.0	3.83	1086.86	1276.82	408.66	0.0
1054.000	50.00	0.0	0.0	1190.00	722.80	730.93	0.0	4.68	1086.39	1296.38	480.99	0.36
1104.000	50.00	0.0	0.0	403.00	723.00	729.97	0.0	2.59	1087.93	1226.04	286.63	0.0
1104.000	50.00	0.0	0.0	694.00	723.00	730.43	0.0	3.55	1087.33	1239.61	352.28	0.0
1104.000	50.00	0.0	0.0	841.00	723.00	730.61	0.0	4.10	1087.08	1245.33	380.90	0.0
1104.000	50.00	0.0	0.0	1190.00	723.00	730.99	0.0	4.97	1086.59	1288.13	449.58	0.38
1300.000	196.00	0.0	0.0	403.00	724.00	730.06	0.0	4.12	1089.13	1198.38	174.20	0.0
1300.000	196.00	0.0	0.0	694.00	724.00	730.60	0.0	5.32	1088.41	1215.10	238.24	0.0
1300.000	196.00	0.0	0.0	841.00	724.00	730.83	0.0	5.79	1088.12	1221.72	266.93	0.0
1300.000	196.00	0.0	0.0	1190.00	724.00	731.30	0.0	6.62	1087.50	1235.77	332.94	0.47
1350.000	50.00	0.0	0.0	403.00	724.40	730.09	0.0	4.92	1089.62	1182.71	136.61	0.0
1350.000	50.00	0.0	0.0	694.00	724.40	730.65	0.0	6.42	1088.88	1204.45	195.22	0.0
1350.000	50.00	0.0	0.0	841.00	724.40	730.90	0.0	6.82	1088.55	1211.87	224.78	0.0
1350.000	50.00	0.0	0.0	1190.00	724.40	731.40	0.0	7.54	1087.88	1227.00	290.94	0.50
* 1400.000	50.00	0.0	0.0	403.00	725.50	730.62	730.62	7.67	1272.29	1340.66	78.88	0.0
* 1400.000	50.00	0.0	0.0	694.00	725.50	731.26	731.26	8.28	1271.54	1367.69	131.58	0.0
* 1400.000	50.00	0.0	0.0	841.00	725.50	731.44	731.44	8.88	1271.32	1375.06	149.05	0.0
* 1400.000	50.00	0.0	0.0	1190.00	725.50	731.86	731.86	9.20	1270.79	1389.68	196.10	0.42
1455.000	55.00	737.70	733.50	403.00	725.50	730.62	0.0	7.66	1272.29	1340.74	79.01	0.0
1455.000	55.00	737.70	733.50	694.00	725.50	731.26	0.0	8.27	1271.54	1367.76	131.74	0.0
1455.000	55.00	737.70	733.50	841.00	725.50	731.44	0.0	8.87	1271.32	1375.14	149.25	0.0
1455.000	55.00	737.70	733.50	1190.00	725.50	731.86	0.0	9.18	1270.79	1389.73	196.34	0.42
1505.000	50.00	0.0	0.0	403.00	725.90	730.82	730.39	7.04	1090.10	1150.79	78.49	0.0
* 1505.000	50.00	0.0	0.0	694.00	725.90	731.60	731.60	8.45	1089.61	1182.98	137.20	0.0
* 1505.000	50.00	0.0	0.0	841.00	725.90	731.98	731.98	8.52	1089.10	1199.22	176.37	0.0
* 1505.000	50.00	0.0	0.0	1190.00	725.90	732.40	732.40	9.62	1088.54	1212.03	225.44	0.42
1555.000	50.00	0.0	0.0	403.00	726.30	731.11	730.80	7.46	1090.12	1145.38	71.05	0.0
1555.000	50.00	0.0	0.0	694.00	726.30	731.99	731.93	8.47	1039.61	1182.79	136.79	0.0
* 1555.000	50.00	0.0	0.0	841.00	726.30	732.42	732.42	8.35	1089.05	1200.62	180.71	0.0
1555.000	50.00	0.0	0.0	1190.00	726.30	732.89	0.0	9.24	1088.44	1214.39	235.25	0.47
1600.000	45.00	0.0	0.0	376.00	727.20	731.86	0.0	4.31	1136.15	1385.13	89.66	0.0
1600.000	45.00	0.0	0.0	650.00	727.20	732.60	0.0	5.85	1098.65	1386.60	132.04	0.0
1600.000	45.00	0.0	0.0	790.00	727.20	732.78	0.0	6.66	1097.45	1386.95	146.89	0.0
1600.000	45.00	0.0	0.0	1122.00	727.20	733.08	732.99	8.41	1095.39	1387.56	182.58	0.30
1650.000	50.00	0.0	0.0	376.00	727.50	731.96	0.0	4.61	1136.37	1384.72	83.23	0.0
1650.000	50.00	0.0	0.0	650.00	727.50	732.74	0.0	6.19	1099.71	1386.29	118.71	0.0
1650.000	50.00	0.0	0.0	790.00	727.50	732.96	731.91	5.96	1098.26	1386.72	137.28	0.0
1650.000	50.00	0.0	0.0	1122.00	727.50	733.42	733.29	8.28	1095.12	1387.64	187.45	0.47

MADE IN U.S.A.

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
* 1700.000	50.00	0.0	0.0	376.00	729.10	734.38	734.38	7.72	1386.46	1457.87	70.47	0.0
* 1700.000	50.00	0.0	0.0	650.00	729.10	734.95	734.95	8.44	1382.61	1482.67	119.10	0.0
* 1700.000	50.00	0.0	0.0	790.00	729.10	735.16	735.16	8.68	1381.19	1503.52	142.30	0.0
* 1700.000	50.00	0.0	0.0	1122.00	729.10	735.45	735.45	9.81	1379.23	1521.60	180.59	0.29
1915.000	215.00	735.10	733.10	376.00	729.10	736.08	0.0	2.07	1374.88	1561.59	285.88	0.0
1915.000	215.00	735.10	733.10	650.00	729.10	736.52	0.0	2.72	1371.96	1588.50	372.68	0.0
1915.000	215.00	735.10	733.10	790.00	729.10	736.69	0.0	2.99	1370.79	1599.28	411.08	0.0
1915.000	215.00	735.10	733.10	1122.00	729.10	737.01	0.0	3.51	1368.60	1605.99	486.42	0.32
1965.000	50.00	0.0	0.0	376.00	729.40	736.08	0.0	2.04	1089.98	1389.17	297.48	0.0
1965.000	50.00	0.0	0.0	650.00	729.40	736.50	0.0	3.00	1087.16	1390.00	372.48	0.0
1965.000	50.00	0.0	0.0	790.00	729.40	736.67	0.0	3.42	1086.04	1390.33	405.01	0.0
1965.000	50.00	0.0	0.0	1122.00	729.40	736.97	0.0	4.34	1083.99	1390.94	468.59	0.30
2015.000	50.00	0.0	0.0	376.00	729.70	736.09	0.0	2.29	1091.93	1388.59	251.79	0.0
2015.000	50.00	0.0	0.0	650.00	729.70	736.51	0.0	3.35	1089.07	1389.44	320.55	0.0
2015.000	50.00	0.0	0.0	790.00	729.70	736.68	0.0	3.81	1087.93	1389.77	350.94	0.0
2015.000	50.00	0.0	0.0	1122.00	729.70	736.99	0.0	4.80	1085.81	1390.40	411.63	0.31
* 2200.000	185.00	0.0	0.0	308.00	734.50	740.54	740.54	7.72	1139.12	1182.69	60.80	0.0
* 2200.000	185.00	0.0	0.0	540.00	734.50	741.30	741.30	9.09	1126.30	1185.09	99.88	0.0
* 2200.000	185.00	0.0	0.0	662.00	734.50	741.66	741.66	9.26	1121.72	1186.21	122.11	0.0
* 2200.000	185.00	0.0	0.0	953.00	734.50	742.15	742.15	10.41	1117.82	1187.75	155.11	0.49
2250.000	50.00	0.0	0.0	308.00	734.90	741.18	0.0	6.76	1134.99	1183.47	72.13	0.0
2250.000	50.00	0.0	0.0	540.00	734.90	742.07	0.0	7.50	1121.61	1186.25	122.97	0.0
2250.000	50.00	0.0	0.0	662.00	734.90	742.34	0.0	8.00	1119.49	1187.09	140.63	0.0
2250.000	50.00	0.0	0.0	953.00	734.90	742.94	0.0	8.76	1114.73	1188.97	183.16	0.60
* 2300.000	50.00	0.0	0.0	308.00	736.90	743.92	743.92	7.57	1149.78	1212.82	67.33	0.0
* 2300.000	50.00	0.0	0.0	540.00	736.90	744.58	744.58	8.46	1144.21	1229.44	112.82	0.0
* 2300.000	50.00	0.0	0.0	662.00	736.90	744.80	744.80	8.88	1142.29	1241.96	133.49	0.0
* 2300.000	50.00	0.0	0.0	953.00	736.90	745.21	745.21	9.66	1138.77	1265.01	179.99	0.41
2510.000	210.00	744.10	740.90	308.00	736.90	745.49	0.0	2.58	1136.37	1271.63	216.95	0.0
2510.000	210.00	744.10	740.90	540.00	736.90	745.98	0.0	3.32	1132.15	1275.85	285.56	0.0
2510.000	210.00	744.10	740.90	662.00	736.90	746.19	0.0	3.61	1125.93	1277.63	316.21	0.0
2510.000	210.00	744.10	740.90	953.00	736.90	746.60	0.0	4.16	1112.69	1281.18	382.46	0.41
2560.000	50.00	0.0	0.0	308.00	737.50	745.49	0.0	2.89	1115.14	1188.81	179.36	0.0
2560.000	50.00	0.0	0.0	540.00	737.50	745.96	0.0	4.19	1111.40	1190.29	215.37	0.0
2560.000	50.00	0.0	0.0	662.00	737.50	746.16	0.0	4.78	1109.87	1190.90	230.84	0.0
2560.000	50.00	0.0	0.0	953.00	737.50	746.53	0.0	6.04	1106.90	1192.07	261.87	0.37
2610.000	50.00	0.0	0.0	308.00	738.20	745.49	0.0	4.02	1120.67	1186.63	130.74	0.0
2610.000	50.00	0.0	0.0	540.00	738.20	745.90	0.0	5.56	1116.80	1188.16	164.25	0.0
2610.000	50.00	0.0	0.0	662.00	738.20	746.18	0.0	6.23	1115.19	1188.80	178.97	0.0
2610.000	50.00	0.0	0.0	953.00	738.20	746.58	0.0	7.63	1112.03	1190.04	209.11	0.40
2850.000	240.00	0.0	0.0	188.00	741.20	746.00	0.0	4.19	1217.61	1363.31	89.36	0.0
2850.000	240.00	0.0	0.0	345.00	741.20	746.78	0.0	4.05	1205.10	1399.21	205.76	0.0
2850.000	240.00	0.0	0.0	432.00	741.20	747.08	0.0	3.89	1200.36	1403.15	264.31	0.0
2850.000	240.00	0.0	0.0	647.00	741.20	747.66	0.0	3.74	1176.94	1409.74	390.33	0.58

CAUTION	SECNO=	50,000	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	50,000	PROFILE=	2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	50,000	PROFILE=	3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	50,000	PROFILE=	4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	150,000	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	150,000	PROFILE=	1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	150,000	PROFILE=	1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	150,000	PROFILE=	2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	150,000	PROFILE=	2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	150,000	PROFILE=	2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	150,000	PROFILE=	3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	150,000	PROFILE=	3	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	150,000	PROFILE=	3	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	400,000	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	400,000	PROFILE=	1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	400,000	PROFILE=	1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	473,000	PROFILE=	1	TRIAL AND ERROR FOR CHANNL Q FAILED
CAUTION	SECNO=	473,000	PROFILE=	2	TRIAL AND ERROR FOR CHANNL Q FAILED
CAUTION	SECNO=	523,000	PROFILE=	2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	523,000	PROFILE=	2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	523,000	PROFILE=	2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	523,000	PROFILE=	3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	523,000	PROFILE=	3	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	523,000	PROFILE=	3	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	523,000	PROFILE=	4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	523,000	PROFILE=	4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	523,000	PROFILE=	4	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	600,000	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	600,000	PROFILE=	1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	600,000	PROFILE=	1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	600,000	PROFILE=	2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	600,000	PROFILE=	2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	600,000	PROFILE=	2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	600,000	PROFILE=	3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	600,000	PROFILE=	3	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	600,000	PROFILE=	3	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	600,000	PROFILE=	4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	600,000	PROFILE=	4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	600,000	PROFILE=	4	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	700,000	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	700,000	PROFILE=	1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	700,000	PROFILE=	1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	700,000	PROFILE=	2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	700,000	PROFILE=	2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	700,000	PROFILE=	2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	700,000	PROFILE=	3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	700,000	PROFILE=	3	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	700,000	PROFILE=	3	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	700,000	PROFILE=	4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	700,000	PROFILE=	4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	700,000	PROFILE=	4	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	1004,000	PROFILE=	1	HYDRAULIC JUMP D.S.
CAUTION	SECNO=	1400,000	PROFILE=	1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	1400,000	PROFILE=	1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	1400,000	PROFILE=	1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	1400,000	PROFILE=	2	CRITICAL DEPTH ASSUMED

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:		
		10C	2C	0.2C
50,000	0.	-1.7	-0.5	1.1
100,000	50.	-2.0	-0.6	1.8
150,000	100.	-2.7	-1.3	1.5
177,000	127.	-1.4	-0.5	0.9
227,000	177.	-1.0	-0.3	0.7
327,000	277.	-1.1	-0.3	0.5
350,000	300.	-1.3	-0.4	1.3
400,000	350.	-1.2	-0.7	1.2
473,000	423.	-1.0	-0.5	1.2
523,000	473.	-0.5	-0.4	0.9
573,000	523.	-1.4	-0.5	1.0
600,000	550.	-1.3	-0.4	0.9
650,000	600.	-1.3	-0.4	0.8
700,000	650.	-0.7	-0.2	0.5
750,000	700.	-0.8	-0.2	0.5
800,000	750.	-0.8	-0.2	0.5
850,000	800.	-0.8	-0.2	0.5
900,000	850.	-0.8	-0.2	0.5
950,000	900.	-0.9	-0.3	0.5
1004,000	954.	-0.6	-0.2	0.4
1054,000	1004.	-0.6	-0.2	0.4
1104,000	1054.	-0.6	-0.2	0.4
1300,000	1250.	-0.8	-0.2	0.5
1350,000	1300.	-0.8	-0.2	0.5
1400,000	1350.	-0.8	-0.2	0.4
1455,000	1405.	-0.8	-0.2	0.4
1505,000	1455.	-1.2	-0.4	0.4
1555,000	1505.	-1.3	-0.4	0.5
1600,000	1550.	-0.9	-0.2	0.3
1650,000	1600.	-1.0	-0.2	0.5
1700,000	1650.	-0.8	-0.2	0.3
1915,000	1865.	-0.6	-0.2	0.3
1965,000	1915.	-0.6	-0.2	0.3
2015,000	1965.	-0.6	-0.2	0.3
2200,000	2150.	-1.1	-0.4	0.5
2250,000	2200.	-1.2	-0.3	0.5
2300,000	2250.	-0.9	-0.2	0.4
2510,000	2460.	-0.7	-0.2	0.4
2560,000	2510.	-0.7	-0.2	0.4
2610,000	2560.	-0.7	-0.2	0.4
2850,000	2800.	-1.1	-0.3	0.6

WEIGHTED AVG FOR REACH		-0.9	-0.3	0.6

FHF FOR THE REACH = 010 WITH 95.5% OF THE REACH WITHIN 0.5 FEET
 ZONE FOR THE REACH = A 2