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

T1 LEXINGTON-DAVIDSON CO. STREAM 18-4L MICHAEL'S BRANCH
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INO	MINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-1.	2.	0.	0.	0.004000	0.0	0.0	0.	663.500	0.0
J2	WPROF	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
QC	0.055	0.055	0.035	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	1220.000	2080.000	2400.000	3110.000	2400.000	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	1030.000	14.000	1480.000	1418.000	1030.000	1030.000	1030.000	0.0	0.0	0.0
GR	670.000	820.000	663.000	1000.000	663.000	1100.000	663.500	1200.000	663.800	1300.000
GR	664.900	1400.000	659.700	1403.000	659.600	1409.000	658.600	1416.000	663.900	1418.000
GR	665.200	1500.000	670.000	1600.000	670.000	1700.000	670.800	1800.000	0.0	0.0
QT	5.000	1210.000	2050.000	2390.000	3100.000	2390.000	0.0	0.0	0.0	0.0
X1	3524.000	10.000	1160.000	1185.000	2494.000	2494.000	2494.000	0.0	0.0	0.0
GR	694.100	1090.000	670.300	1064.000	671.700	1100.000	672.200	1160.000	665.300	1165.000
GR	664.900	1172.000	665.000	1180.000	671.700	1185.000	671.400	1200.000	684.100	1275.000
X1	3918.000	12.000	1122.000	1142.000	394.000	394.000	394.000	0.0	0.0	0.0
GR	691.500	1000.000	677.700	1075.000	676.100	1100.000	676.100	1122.000	669.600	1125.000
GR	668.600	1132.000	669.300	1139.000	675.400	1142.000	675.400	1200.000	674.500	1300.000
GR	675.700	1400.000	676.400	1500.000	0.0	0.0	0.0	0.0	0.0	0.0
QC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	4160.000	16.000	1426.000	1461.000	250.000	250.000	250.000	0.0	0.0	0.0
GR	690.100	1000.000	693.300	1100.000	699.600	1200.000	687.000	1300.000	686.200	1343.000
GR	674.900	1385.000	677.300	1410.000	677.400	1426.000	669.700	1426.000	669.700	1461.000
GR	675.700	1461.000	676.600	1510.000	675.700	1610.000	676.900	1710.000	677.300	1790.000
GR	680.300	1300.000	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	36.000	1.000	350.000	0.0	0.0	0.0

X1	4273.000	0.0	0.0	0.0	105.000	105.000	105.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	679.800	684.700	0.0	0.0	0.0	0.0	0.0
BT	12.000	1000.000	696.100	0.0	1100.000	693.300	0.0	1200.000	689.600	0.0
BT	1300.000	587.000	0.0	1343.000	686.200	0.0	1400.000	685.500	0.0	1426.000
BT	685.000	679.000	1461.000	685.300	679.800	1500.000	684.700	0.0	1600.000	685.000
BT	0.0	1700.000	686.400	0.0	1800.000	688.300	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	4523.000	12.000	1122.000	1142.000	250.000	250.000	250.000	0.0	2.400	0.0
GR	691.500	1000.000	677.700	1075.000	676.100	1100.000	676.100	1122.000	669.600	1125.000
GR	668.600	1132.000	669.300	1139.000	675.400	1142.000	675.400	1200.000	674.500	1300.000
GR	675.700	1400.000	676.400	1500.000	0.0	0.0	0.0	0.0	0.0	0.0
JT	5.000	1200.000	2000.000	2380.000	3090.000	2380.000	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	-7.400	0.0	0.0	0.0	0.0

X1	5508.000	11.000	1070.000	1090.000	985.000	985.000	985.000	0.0	0.0	0.0
GR	696.900	1000.000	676.900	1070.000	672.300	1071.000	671.900	1079.000	672.300	1087.000
GR	678.500	1090.000	678.900	1100.000	675.500	1200.000	674.900	1300.000	676.500	1400.000
GR	690.000	1430.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
YC	0.060	0.060	0.040	0.100	0.300	0.0	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0

X1	5608.000	14.000	1205.000	1253.000	100.000	100.000	100.000	0.0	0.0	0.0
GR	699.600	1000.000	691.400	1100.000	685.000	1205.000	678.200	1205.000	677.800	1213.000
GR	672.900	1217.000	672.000	1229.000	672.300	1236.000	679.500	1253.000	685.300	1253.000
GR	684.100	1300.000	682.900	1400.000	683.600	1500.000	686.000	1600.000	0.0	0.0
SB	0.900	1.500	2.500	0.0	47.000	1.000	582.000	0.0	0.0	0.0

X1	5633.000	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	683.000	0.0	0.0	0.0	0.0	0.0	0.0
BT	8.000	1000.000	699.000	0.0	1100.000	691.400	0.0	1205.000	685.000	683.000
BT	1253.000	685.300	683.000	1300.000	684.100	0.0	1400.000	682.900	0.0	1500.000
BT	683.600	0.0	1600.000	686.000	0.0	0.0	0.0	0.0	0.0	0.0
YC	0.055	0.055	0.035	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	5733.000	11.000	1070.000	1090.000	100.000	100.000	100.000	0.0	0.200	0.0
GR	696.900	1000.000	676.900	1070.000	672.300	1071.000	671.900	1079.000	672.300	1087.000
GR	678.500	1090.000	678.900	1100.000	675.500	1200.000	674.900	1300.000	676.500	1400.000
GR	690.000	1430.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JT	5.000	1190.000	1900.000	2300.000	3080.000	2300.000	0.0	0.0	0.0	0.0

X1	7480.000	10.000	1195.000	1211.000	1747.000	1747.000	1747.000	0.0	0.0	0.0
GR	697.900	1000.000	684.200	1100.000	683.900	1195.000	682.200	1197.000	681.400	1203.000
GR	661.900	1209.000	684.900	1211.000	683.000	1300.000	686.000	1400.000	693.300	1500.000
JT	5.000	1000.000	1700.000	2000.000	2800.000	2000.000	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	-7.400	0.0	0.0	0.0	0.0

X1	9680.000	12.000	1245.000	1263.000	2200.000	2200.000	2200.000	0.0	0.0	0.0
GR	694.700	1000.000	689.000	1100.000	690.700	1200.000	691.300	1245.000	685.100	1246.000
GR	685.700	1252.000	685.400	1258.000	691.600	1263.000	690.700	1300.000	692.000	1400.000
GR	697.000	1500.000	698.000	1600.000	0.0	0.0	0.0	0.0	0.0	0.0
JT	5.000	900.000	1625.000	1300.000	2500.000	1800.000	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	11350.000	11.000	1245.000	1270.000	1670.000	1670.000	1670.000	0.0	0.0	0.0
GR	713.300	1000.000	704.600	1100.000	696.700	1200.000	697.500	1245.000	689.900	1253.000
GR	699.800	1255.000	689.900	1257.000	697.500	1270.000	696.500	1300.000	698.900	1400.000

GR	708.300	1475.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.300	830.000	1420.000	1700.000	2300.000	1700.000	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	-5.400	0.0	0.0	0.0	0.0
X1	13119.000	14.000	1250.000	1283.000	1769.000	1769.000	1769.000	0.0	-3.200	0.0
GR	720.200	1000.000	713.500	1100.000	708.100	1200.000	707.100	1250.000	695.600	1265.000
GR	695.400	1272.000	695.200	1280.000	698.700	1283.600	706.300	1296.000	708.000	1300.000
GR	710.900	1400.000	711.900	1420.000	712.500	1470.000	720.100	1500.000	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
ET	5.000	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0
X1	13219.000	17.000	1400.000	1418.000	100.000	100.000	100.000	0.0	0.0	0.0
GR	720.600	1000.000	716.400	1100.000	712.200	1200.000	711.000	1250.000	706.500	1337.000
GR	705.500	1387.000	696.000	1400.000	693.600	1400.000	693.600	1418.000	697.200	1418.000
GR	704.700	1433.000	706.400	1437.000	708.600	1438.000	708.800	1500.000	710.200	1600.000
GR	711.900	1700.000	715.500	1800.000	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	18.000	0.500	180.000	0.0	0.0	0.0
X1	13263.000	0.0	0.0	0.0	44.000	44.000	44.000	0.0	0.0	0.0
X2	0.0	0.0	3.000	703.800	708.600	0.0	0.0	0.0	0.0	0.0
BT	12.000	1000.000	720.600	0.0	1100.000	716.400	0.0	1200.000	712.200	0.0
BT	1250.000	711.000	0.0	1300.000	709.800	0.0	1400.000	708.600	703.800	1418.000
BT	708.600	703.800	1438.000	708.600	0.0	1500.000	708.300	0.0	1600.000	710.200
BT	0.0	1700.000	711.900	0.0	1800.000	715.500	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	13363.000	14.000	1250.000	1283.000	100.000	100.000	100.000	0.0	0.0	0.0
GR	720.200	1000.000	713.500	1100.000	708.100	1200.000	707.100	1250.000	695.600	1265.000
GR	695.400	1272.000	695.200	1280.000	698.700	1283.000	706.300	1296.000	708.000	1300.000
GR	710.900	1400.000	711.900	1420.000	712.500	1470.000	720.100	1500.000	0.0	0.0
QT	5.000	487.000	862.000	1048.000	1491.000	1048.000	0.0	0.0	0.0	0.0
X1	1.000	9.000	1208.000	1234.000	1400.000	1400.000	1400.000	0.0	0.0	0.0
GR	720.000	1025.000	710.000	1165.000	707.800	1208.000	701.700	1221.000	701.600	1224.000
GF	701.600	1227.000	706.300	1234.000	710.000	1265.000	720.000	1395.000	0.0	0.0
X1	15830.000	12.000	1208.000	1234.000	1067.000	1067.000	1067.000	0.0	0.0	0.0
GR	724.100	1000.000	714.900	1042.000	712.800	1100.000	712.500	1200.000	712.600	1208.000
GR	705.500	1221.000	706.400	1224.000	706.400	1227.000	711.100	1234.000	713.300	1275.000
GR	715.300	1300.000	729.000	1385.000	0.0	0.0	0.0	0.0	0.0	0.0
X1	15930.000	0.0	0.0	0.0	150.000	150.000	150.000	0.0	1.100	0.0
NC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	16030.000	25.000	1260.500	1279.500	50.000	50.000	50.000	0.0	0.0	0.0
GR	735.700	1000.000	725.500	1046.000	716.300	1088.000	714.200	1146.000	713.900	1246.000
GR	711.800	1260.500	709.000	1261.000	708.500	1263.000	707.800	1264.500	708.500	1266.000
GR	709.800	1268.000	711.800	1268.500	711.800	1271.500	709.800	1272.000	708.500	1274.000
GR	707.600	1275.500	708.500	1277.000	709.800	1279.000	711.800	1279.500	714.700	1321.000
GR	716.700	1346.000	721.200	1372.000	721.600	1400.000	723.600	1500.000	727.500	1700.000
SB	0.900	1.500	2.500	0.0	16.000	0.010	100.500	0.0	0.0	0.0
X1	16081.000	0.0	0.0	0.0	51.000	51.000	51.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	715.800	0.0	0.0	0.0	0.0	0.0	0.0
BT	21.000	1000.000	735.700	0.0	1100.000	729.200	0.0	1200.000	723.400	0.0
BT	1260.500	720.900	711.800	1261.000	720.900	713.700	1263.000	720.900	715.500	1264.500
BT	720.900	15.800	1266.000	720.900	715.500	1268.000	720.900	715.500	1264.500	1264.500

12,241
P.f.H. Ave

16,055
National Blvd.

BT	711.800	1271.500	720.900	711.800	1272.000	720.900	713.700	1274.000	720.900	715.500
BT	1275.500	720.900	715.800	1277.000	720.900	715.500	1279.000	720.900	713.700	1279.500
BT	720.900	711.800	1300.000	720.700	0.0	1400.000	721.600	0.0	1500.000	723.600
BT	0.0	1700.000	727.500	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	16220.000	12.000	1208.000	1234.000	139.000	139.000	139.000	0.0	1.700	0.0
GR	724.100	1000.000	714.900	1042.000	712.800	1100.000	712.500	1200.000	712.600	1208.000
GR	706.500	1221.000	706.400	1224.000	706.400	1227.000	711.100	1234.000	713.300	1275.000
GR	715.300	1300.000	729.800	1385.000	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	16359.000	23.000	1730.000	1800.000	139.000	139.000	139.000	0.0	0.0	0.0
GR	765.100	1084.000	763.300	1100.000	759.200	1200.000	756.200	1300.000	752.900	1400.000
GR	750.600	1489.000	731.800	1620.000	717.100	1720.000	714.500	1767.000	711.200	1774.000
GR	711.600	1782.000	713.400	1785.000	713.300	1788.000	713.300	1790.000	708.300	1790.000
GR	708.300	1800.000	713.300	1800.000	715.300	1808.000	716.200	1820.000	717.400	1920.000
GR	720.900	2020.000	750.100	2200.000	753.400	2300.000	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	10.000	0.910	100.000	0.0	0.0	0.0

14,433
NCSR-1243

X1	16508.000	0.0	0.0	0.0	149.000	149.000	149.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	718.300	0.0	0.0	0.0	0.0	0.0	0.0
BT	15.000	1064.000	765.100	0.0	1100.000	763.300	0.0	1200.000	759.200	0.0
BT	1300.000	756.200	0.0	1400.000	752.900	0.0	1500.000	750.100	0.0	1600.000
BT	747.900	0.0	1700.000	746.200	0.0	1790.000	744.900	718.300	1800.000	744.900
BT	718.300	1900.000	743.900	0.0	2000.000	744.000	0.0	2100.000	746.300	0.0
BT	2200.000	750.100	0.0	2300.000	753.400	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	16558.000	16.000	1168.000	1188.000	50.000	50.000	50.000	0.0	-0.200	0.0
GR	732.200	1000.000	717.500	1100.000	714.900	1147.000	711.600	1154.000	712.000	1162.000
GR	713.800	1165.000	713.700	1168.000	709.300	1170.000	708.700	1175.000	709.400	1179.000
GR	715.700	1168.000	713.600	1200.000	717.800	1300.000	721.300	1400.000	714.600	1412.000
GR	712.910	1440.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	16957.000	13.000	1049.000	1066.000	399.000	399.000	399.000	0.0	-0.400	0.0
GR	734.200	1000.000	715.200	1059.000	711.800	1032.000	717.200	1034.000	715.200	1049.000
GR	711.700	1059.000	715.200	1066.000	722.700	1085.000	723.600	1100.000	723.700	1102.000
GR	724.200	1117.000	726.200	1136.000	734.200	1151.000	0.0	0.0	0.0	0.0

X1	17053.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.300	0.0
IC	0.060	0.060	0.040	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	17057.000	14.000	1157.000	1344.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	754.400	1000.000	750.300	1100.000	743.000	1157.000	723.400	1207.000	723.600	1229.000
GR	720.500	1256.000	711.900	1270.000	716.300	1277.000	717.100	1310.000	734.300	1344.000
GR	735.800	1400.000	734.200	1500.000	733.900	1600.000	734.200	1700.000	0.0	0.0
SB	1.250	1.500	2.500	0.0	147.000	7.500	2627.000	0.0	0.0	0.0

X1	17085.000	0.0	0.0	0.0	28.000	28.000	28.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	743.100	0.0	0.0	0.0	0.0	0.0	0.0
BT	0.000	1000.000	754.400	0.0	1100.000	750.300	0.0	1157.000	747.200	743.100
BT	1344.000	734.300	734.200	1400.000	736.800	0.0	1500.000	734.800	0.0	1600.000
BT	733.900	0.0	1700.000	734.200	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

17,011
24-70
G.I. pass
NBA

X1	17090.000	13.000	1049.000	1066.000	33.000	33.000	33.000	0.0	0.400	0.0
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GR	734.200	1000.000	715.200	1029.000	711.800	1032.000	717.200	1034.000	715.200	1049.000
GR	711.700	1059.000	715.200	1066.000	722.700	1085.000	723.600	1100.000	723.700	1102.000
GR	724.200	1117.000	726.200	1136.000	734.200	1151.000	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	17127.000	14.000	1157.000	1345.000	33.000	33.000	33.000	0.0	0.0	0.0
GR	754.400	1000.000	749.300	1100.000	743.500	1157.000	724.200	1212.000	724.300	1234.000
GR	721.700	1261.000	712.800	1275.000	717.500	1282.000	718.200	1315.000	734.800	1345.000
GR	736.100	1400.000	733.600	1500.000	732.400	1600.000	732.600	1700.000	0.0	0.0
SB	1.250	1.500	2.500	0.0	188.000	7.500	2498.000	0.0	0.0	0.0
X1	17155.000	0.0	0.0	0.0	28.000	28.000	28.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	743.600	0.0	0.0	0.0	0.0	0.0	0.0
BT	8.000	1000.000	754.400	0.0	1100.000	749.300	0.0	1157.000	746.800	743.600
BT	1345.000	738.100	734.900	1400.000	736.100	0.0	1500.000	733.600	0.0	1600.000
BT	732.400	0.0	1700.000	732.600	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	17198.000	13.000	1049.000	1066.000	33.000	33.000	33.000	0.0	1.100	0.0
GR	734.200	1000.000	715.200	1029.000	711.800	1032.000	717.200	1034.000	715.200	1049.000
GR	711.700	1059.000	715.200	1066.000	722.700	1085.000	723.600	1100.000	723.700	1102.000
GR	724.200	1117.000	726.200	1136.000	734.200	1151.000	0.0	0.0	0.0	0.0
X1	17221.000	0.0	0.0	0.0	33.000	33.000	33.000	0.0	0.0	0.0
X1	17254.000	13.000	1200.000	1229.000	33.000	33.000	33.000	0.0	-1.300	0.0
GR	734.900	1000.000	726.500	1100.000	-726.400	1116.000	720.700	1200.000	714.400	1212.000
GR	714.200	1215.100	714.400	1218.000	718.200	1229.000	718.900	1300.000	722.000	1377.000
GR	722.100	1400.000	724.200	1500.000	734.900	1600.000	0.0	0.0	0.0	0.0
X1	17287.000	0.0	0.0	0.0	33.000	33.000	33.000	0.0	0.0	0.0
NC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	17321.000	23.000	1322.500	1347.500	34.000	34.000	34.000	0.0	0.0	0.0
GR	734.200	1000.000	730.500	1100.000	725.700	1200.000	724.700	1240.000	719.400	1320.000
GR	714.900	1322.500	713.100	1324.000	713.000	1326.000	712.900	1327.500	713.000	1329.000
GR	715.100	1331.000	714.900	1332.500	714.900	1337.500	717.500	1339.000	718.600	1341.000
GR	718.800	1342.500	718.000	1344.000	717.500	1346.000	714.900	1347.500	716.900	1349.000
GR	717.600	1420.000	720.700	1497.000	720.800	1520.000	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	20.000	0.010	116.000	0.0	0.0	0.0
X1	17402.000	0.0	0.0	0.0	81.000	81.000	81.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	718.800	0.0	0.0	0.0	0.0	0.0	0.0
BT	22.000	1000.000	734.200	0.0	1100.000	730.500	0.0	1200.000	725.700	0.0
BT	1300.000	723.500	0.0	1322.500	722.600	714.900	1324.000	722.600	717.500	1326.000
BT	722.600	718.600	1327.500	722.600	718.800	1329.000	722.600	718.600	1331.000	722.600
BT	717.500	1332.500	722.600	714.900	1337.500	722.600	714.900	1339.000	722.600	717.500
BT	1341.000	722.600	718.600	1342.500	722.600	718.800	1344.000	722.600	718.600	1346.000
BT	722.600	717.500	1347.500	722.600	714.900	1400.000	721.300	0.0	1500.000	721.000
BT	0.0	1600.000	721.900	0.0	1700.000	723.300	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	17452.000	13.000	1200.000	1229.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	734.900	1000.000	726.500	1100.000	726.400	1116.000	720.700	1200.000	714.400	1212.000
GR	714.200	1215.000	714.400	1218.000	718.200	1229.000	718.900	1300.000	722.000	1377.000
GR	722.100	1400.000	724.200	1500.000	734.900	1600.000	0.0	0.0	0.0	0.0

17,141
29-70 B1155
- 58L

17,261
Center St

X1	17502.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	1.300	0.0
BT	5.000	200.000	399.000	505.000	770.000	505.000	0.0	0.0	0.0	0.0
X1	21627.000	12.000	1075.000	1085.000	4125.000	4125.000	4125.000	0.0	-2.100	0.0
GR	765.300	1000.000	760.000	1050.000	749.300	1070.000	747.600	1075.000	745.000	1077.000
GR	745.000	1080.000	745.000	1082.000	747.700	1085.000	755.300	1100.000	757.500	1200.000
GR	758.200	1300.000	757.300	1400.000	0.0	0.0	0.0	0.0	0.0	0.0
X1	21677.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	2.100	0.0
NC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	21702.000	21.000	1370.500	1373.500	25.000	25.000	25.000	0.0	0.0	0.0
GR	773.100	1000.000	768.800	1100.000	764.100	1200.000	760.500	1300.000	759.200	1349.000
GR	751.400	1362.000	749.700	1367.000	748.600	1370.500	747.800	1370.700	747.300	1371.300
GR	747.100	1372.000	747.300	1372.700	747.800	1373.300	748.600	1373.500	749.800	1377.000
GR	757.400	1392.000	757.700	1400.000	756.100	1500.000	757.100	1600.000	760.100	1700.000
GR	763.900	1800.000	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	3.000	0.010	7.100	0.0	0.0	0.0
X1	21801.000	0.0	0.0	0.0	99.000	99.000	99.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	750.100	0.0	0.0	0.0	0.0	0.0	0.0
BT	16.000	1000.000	773.100	0.0	1100.000	768.800	0.0	1200.000	764.100	0.0
BT	1300.000	760.500	0.0	1370.500	758.600	748.600	1370.700	758.600	749.400	1371.300
BT	758.600	749.900	1372.000	758.600	750.100	1372.700	758.600	749.900	1373.300	758.600
BT	749.400	1373.500	758.600	748.600	1400.000	757.700	0.0	1500.000	756.100	0.0
BT	1600.000	757.100	0.0	1700.000	760.100	0.0	1800.000	763.900	0.0	0.0
NC	0.055	0.055	0.055	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	21826.000	12.000	1075.000	1085.000	25.000	25.000	25.000	0.0	4.200	0.0
GR	765.300	1000.000	760.000	1050.000	749.300	1070.000	747.600	1075.000	745.000	1077.000
GR	745.000	1080.000	745.000	1082.000	747.700	1085.000	755.300	1100.000	757.500	1200.000
GR	758.200	1300.000	757.300	1400.000	0.0	0.0	0.0	0.0	0.0	0.0
X1	21876.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	2.100	0.0
X1	22624.000	14.000	1178.000	1194.000	748.000	748.000	748.000	0.0	0.0	0.0
GR	780.300	1000.000	771.100	1100.000	765.000	1178.000	759.900	1188.000	760.000	1188.000
GR	762.000	1194.000	761.900	1200.000	764.900	1300.000	768.000	1341.000	768.500	1359.000
GR	768.400	1377.000	768.700	1400.000	772.900	1500.000	780.300	1625.000	0.0	0.0
X1	22674.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.900	0.0
NC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	22724.000	17.000	1207.800	1210.300	50.000	50.000	50.000	0.0	0.0	0.0
GR	793.200	1000.000	772.800	1121.000	766.700	1198.000	762.900	1207.800	762.000	1208.200
GR	761.600	1209.000	762.000	1209.900	762.900	1210.300	763.600	1221.000	766.600	1300.000
GR	768.300	1385.000	768.700	1400.000	772.000	1500.000	775.400	1600.000	776.200	1700.000
GR	731.200	1744.000	763.200	1787.000	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	1.400	0.010	4.900	0.200	0.0	0.0
X1	22756.000	0.0	0.0	0.0	42.000	42.000	42.000	0.0	0.900	0.0
X2	0.0	0.0	1.000	765.000	766.600	0.0	0.0	0.0	0.0	0.0
BT	16.000	1000.000	783.200	0.0	1100.000	775.100	0.0	1200.000	768.000	0.0
BT	1207.800	767.600	763.900	1208.200	767.600	764.600	1209.000	767.600	765.000	1209.900
BT	767.600	764.600	1210.300	767.600	763.800	1300.000	766.600	0.0	1385.000	768.500

21,747
NCSR 1408

22,745
Price Rd

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

T1 LEXINGTON-DAVIDSON CO. STREAM 18-4L MICHAEL'S BRANCH
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	ING	NINV	IDIR	STRT	MEIRIC	HVINS	Q	WSEL	FG
	-10.	3.	0.	0.	0.004000	0.0	0.0	0.	664.600	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 1030.000

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
1030.00	6.43	665.03	0.0	664.60	665.25	0.23	0.0	0.0	664.90
2080.	1468.	565.	47.	638.	89.	40.	0.	0.	663.90
0.0	2.30	6.32	1.16	0.055	0.035	0.055	0.0	658.60	947.90
0.003986	1030.	1030.	1030.	0	0	5	0.0	541.16	1489.06

*SECNO 3524.000

3524.00	8.76	573.66	0.0	0.0	674.30	0.65	8.93	0.13	672.20
2050.	562.	1384.	104.	224.	181.	47.	35.	20.	671.70
0.12	2.41	7.66	2.24	0.055	0.035	0.055	0.035	664.90	1048.43
0.003226	2494.	2494.	2494.	4	0	0	0.0	164.89	1213.33

*SECNO 3918.000

3200 CROSS SECTION 3918.00 EXTENDED 0.12 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	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

3918.00	7.92	676.52	676.52	0.0	677.14	0.62	1.59	0.00	676.10
2050.	11.	1083.	956.	11.	129.	412.	39.	23.	675.40

22866.00	6.39	768.09	0.0	0.0	768.11	0.02	0.01	0.60	766.80
399.	3.	116.	280.	11.	70.	329.	219.	101.	763.80
1.34	0.31	1.65	0.85	0.055	0.035	0.055	0.034	761.70	1161.41
0.000240	50.	50.	50.	0	0	0	0.0	157.07	1318.48

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

T1 LEXINGTON-DAVIDSON CO. STREAM 18-4L MICHAEL'S BRANCH
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-10.	4.	0.	0.	0.004000	0.0	0.0	0.	666.600	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 1030.000

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
1030.00	6.59	665.19	0.0	666.60	665.42	0.23	0.0	0.0	664.90
2400.	1735.	598.	67.	711.	32.	52.	0.	0.	663.90
0.0	2.44	6.47	1.28	0.055	0.035	0.055	0.0	658.60	943.76
0.004013	1030.	1030.	1030.	0	0	5	0.0	555.44	1499.20

*SECNO 3524.000

3524.00	9.09	673.99	0.0	0.0	674.67	0.68	9.12	0.14	672.20
2390.	730.	1520.	140.	262.	189.	56.	39.	21.	671.70
0.11	2.79	8.94	2.48	0.055	0.035	0.055	0.035	664.90	1046.88
0.003346	2494.	2494.	2494.	4	0	0	0.0	168.42	1215.30

*SECNO 3918.000

3280 CROSS SECTION 3918.00 EXTENDED 0.28 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	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

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

3918.00	8.08	676.68	676.68	0.0	677.33	0.65	1.67	0.00	676.10
2390.	20.	1166.	1204.	15.	132.	469.	44.	23.	675.40

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

T1 LEXINGTON-DAVIDSON CO. STREAM 18-4L MICHAEL'S BRANCH
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INC	MINV	IDIR	STRT	METRIC	HVINS.	Q	WSEL	FQ
	-10.	5.	0.	0.	0.004000	0.0	0.0	0.	667.600	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 1030.000

SECNO	DEPTH	CWSEL	CRWS	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
1030.00	6.91	665.51	0.0	667.60	665.75	0.24	0.0	0.0	664.90
3110.	2318.	661.	131.	360.	98.	80.	0.	0.	663.90
0.0	2.69	6.73	1.65	0.055	0.035	0.055	0.0	658.60	935.45
0.003997	1030.	1030.	1030.	0	0	4	0.0	571.02	1506.47

*SECNO 3524.000

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CWSEL	CRWS	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
3524.00	9.69	674.59	0.0	0.0	675.35	0.76	9.44	0.16	672.20
3100.	1092.	1787.	220.	330.	204.	76.	47.	21.	671.70
0.11	3.31	8.76	2.92	0.055	0.035	0.055	0.035	664.90	1044.11
0.003591	2494.	2494.	2494.	4	0	0	0.0	174.72	1218.83

*SECNO 3918.000

3280 CROSS SECTION 3918.00 EXTENDED 0.57 FEET

SECNO	DEPTH	CWSEL	CRWS	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

7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

 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	CRTWS	VCH	SSTA	ENDST	AREA	DIFWSP
1030.000	1030.00	0.0	0.0	1220.00	658.60	664.47	0.0	5.93	962.22	1453.93	488.69	0.0
A 1030.000	1030.00	0.0	0.0	2000.00	658.60	665.03	0.0	6.32	947.90	1489.06	767.87	0.56
1030.000	1030.00	0.0	0.0	2400.00	658.60	665.19	0.0	6.47	943.76	1499.20	856.04	0.16
1030.000	1030.00	0.0	0.0	3110.00	658.60	665.51	0.0	6.73	935.45	1506.47	1038.16	0.32
3524.000	2494.00	0.0	0.0	1210.00	664.90	672.62	0.0	6.48	1053.25	1207.19	285.65	0.0
B 3524.000	2494.00	0.0	0.0	2050.00	664.90	673.66	0.0	7.66	1048.43	1213.33	451.42	1.04
3524.000	2494.00	0.0	0.0	2390.00	664.90	673.99	0.0	8.04	1046.88	1215.30	507.10	0.33
3524.000	2494.00	0.0	0.0	3100.00	664.90	674.59	0.0	8.76	1044.11	1218.83	609.59	0.60
* 3918.000	394.00	0.0	0.0	1210.00	668.60	675.98	675.98	7.17	1122.06	1439.59	346.95	0.0
* 3918.000	394.00	0.0	0.0	2050.00	668.60	676.52	676.52	8.43	1093.40	1500.00	551.03	0.55
* 3918.000	394.00	0.0	0.0	2390.00	668.60	676.68	676.68	8.85	1090.90	1500.00	616.25	0.16
* 3918.000	394.00	0.0	0.0	3100.00	668.60	676.97	676.97	9.62	1086.39	1500.00	734.96	0.29
4168.000	250.00	0.0	0.0	1210.00	669.70	676.62	0.0	4.58	1426.00	1687.09	348.83	0.0
4168.000	250.00	0.0	0.0	2050.00	669.70	677.24	0.0	5.86	1426.00	1777.75	531.40	0.62
4168.000	250.00	0.0	0.0	2390.00	669.70	677.44	0.0	6.17	1407.81	1790.13	605.83	0.20
4168.000	250.00	0.0	0.0	3100.00	669.70	677.80	0.0	6.64	1402.11	1790.46	746.53	0.37
4273.000	105.00	684.70	679.80	1210.00	669.70	676.63	0.0	4.57	1426.00	1687.54	350.23	0.0
4273.000	105.00	684.70	679.80	2050.00	669.70	677.25	0.0	5.82	1426.00	1760.92	536.99	0.62
4273.000	105.00	684.70	679.80	2390.00	669.70	677.46	0.0	6.12	1407.56	1790.14	612.09	0.20
4273.000	105.00	684.70	679.80	3100.00	669.70	677.82	0.0	6.58	1401.83	1790.48	753.40	0.37
* 4523.000	250.00	0.0	0.0	1210.00	671.00	678.36	678.36	7.24	1122.06	1437.67	342.70	0.0
* 4523.000	250.00	0.0	0.0	2050.00	671.00	678.93	678.93	8.40	1093.31	1500.00	553.32	0.56
* 4523.000	250.00	0.0	0.0	2390.00	671.00	679.08	679.08	8.85	1090.89	1500.00	616.55	0.16
* 4523.000	250.00	0.0	0.0	3100.00	671.00	679.35	679.35	9.74	1086.71	1500.00	726.38	0.27
5508.000	985.00	0.0	0.0	1200.00	671.90	679.52	0.0	1.74	1060.83	1406.71	1212.16	0.0
5508.000	985.00	0.0	0.0	2000.00	671.90	680.33	0.0	2.28	1057.97	1408.52	1496.62	0.82
5508.000	985.00	0.0	0.0	2380.00	671.90	680.61	0.0	2.52	1056.99	1409.15	1595.12	0.28
5508.000	985.00	0.0	0.0	3090.00	671.90	681.12	0.0	2.89	1055.23	1410.27	1773.47	0.50
5608.000	100.00	0.0	0.0	1200.00	672.00	679.24	0.0	5.61	1205.00	1252.40	213.82	0.0
5608.000	100.00	0.0	0.0	2000.00	672.00	679.64	0.0	8.60	1205.00	1253.00	232.54	0.39
5608.000	100.00	0.0	0.0	2380.00	672.00	679.57	0.0	10.38	1205.00	1253.00	229.37	-0.06
* 5608.000	100.00	0.0	0.0	3090.00	672.00	679.80	679.80	12.87	1205.00	1253.00	240.04	0.22

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
5633.000	25.00	682.90	683.00	1200.00	672.00	679.26	0.0	5.60	1205.00	1252.43	214.41	0.0
5633.000	25.00	682.90	683.00	2000.00	672.00	679.72	0.0	8.47	1205.00	1253.00	236.22	0.46
5633.000	25.00	682.90	683.00	2380.00	672.00	679.73	0.0	10.04	1205.00	1253.00	257.05	0.02
5633.000	25.00	682.90	683.00	3090.00	672.00	680.15	0.0	12.02	1205.00	1253.00	257.07	0.42
5733.000	100.00	0.0	0.0	1200.00	672.10	679.82	0.0	1.68	1060.47	1406.94	1248.04	0.0
5733.000	100.00	0.0	0.0	2000.00	672.10	680.97	0.0	2.03	1056.45	1409.49	1650.08	1.15
5733.000	100.00	0.0	0.0	2380.00	672.10	681.49	0.0	2.14	1054.65	1410.64	1832.44	0.52
5733.000	100.00	0.0	0.0	3090.00	672.10	682.64	0.0	2.21	1050.61	1413.20	2247.01	1.16
* 7480.000	1747.00	0.0	0.0	1190.00	681.00	685.15	695.15	8.55	1097.32	1371.70	313.01	0.0
* 7480.000	1747.00	0.0	0.0	1900.00	681.00	685.50	685.50	10.18	1094.69	1383.19	410.03	0.34
* 7480.000	1747.00	0.0	0.0	2300.00	681.00	685.70	685.70	10.60	1093.14	1389.95	469.40	0.20
* 7480.000	1747.00	0.0	0.0	3080.00	681.00	686.06	686.06	11.20	1090.38	1400.81	579.14	0.36
9680.000	2200.00	0.0	0.0	1000.00	685.10	692.12	0.0	3.66	1045.16	1402.52	579.74	0.0
9680.000	2200.00	0.0	0.0	1700.00	685.10	692.90	0.0	4.03	1031.50	1418.09	869.37	0.78
9680.000	2200.00	0.0	0.0	2000.00	685.10	693.20	0.0	4.13	1026.36	1423.95	984.17	0.30
9680.000	2200.00	0.0	0.0	2800.00	685.10	693.78	0.0	4.53	1016.14	1435.59	1222.08	0.58
* 11350.000	1670.00	0.0	0.0	900.00	689.80	696.19	696.19	11.24	1246.38	1267.76	80.07	0.0
* 11350.000	1670.00	0.0	0.0	1525.00	689.80	698.27	698.27	8.87	1180.15	1373.67	300.87	2.08
* 11350.000	1670.00	0.0	0.0	1800.00	689.80	698.54	698.54	9.21	1176.66	1385.16	356.28	0.28
* 11350.000	1670.00	0.0	0.0	2500.00	689.80	699.13	699.13	9.83	1169.27	1401.82	486.43	0.58
13119.000	1769.00	0.0	0.0	830.00	692.00	701.46	0.0	3.67	1253.18	1293.19	246.03	0.0
13119.000	1769.00	0.0	0.0	1420.00	692.00	702.84	0.0	5.16	1251.38	1295.56	304.22	1.38
13119.000	1769.00	0.0	0.0	1700.00	692.00	703.43	0.0	5.71	1250.62	1296.77	330.66	0.59
13119.000	1769.00	0.0	0.0	2300.00	692.00	704.48	0.0	6.74	1220.88	1299.25	389.61	1.06
13219.000	100.00	0.0	0.0	830.00	693.60	701.40	0.0	5.22	1392.61	1426.41	178.13	0.0
13219.000	100.00	0.0	0.0	1420.00	693.60	702.72	0.0	7.23	1390.79	1429.06	225.83	1.33
13219.000	100.00	0.0	0.0	1700.00	693.60	703.29	0.0	7.96	1390.02	1430.19	247.99	0.56
13219.000	100.00	0.0	0.0	2300.00	693.60	704.29	0.0	9.36	1388.65	1432.18	289.79	1.00
13263.000	44.00	708.60	703.80	830.00	693.60	701.41	0.0	5.21	1392.59	1426.43	178.44	0.0
13263.000	44.00	708.60	703.80	1420.00	693.60	702.76	0.0	7.19	1390.75	1429.13	227.18	1.35
13263.000	44.00	708.60	703.80	1700.00	693.60	704.83	0.0	6.43	1387.91	1433.31	313.85	2.07
13263.000	44.00	708.60	703.80	2300.00	693.60	707.74	0.0	5.53	1312.96	1437.61	558.74	2.91
13363.000	100.00	0.0	0.0	830.00	695.20	701.35	0.0	6.60	1257.50	1287.54	130.16	0.0
13363.000	100.00	0.0	0.0	1420.00	695.20	702.65	0.0	8.74	1255.80	1289.76	171.82	1.30
13363.000	100.00	0.0	0.0	1700.00	695.20	704.75	0.0	7.41	1253.06	1293.35	249.77	2.10
13363.000	100.00	0.0	0.0	2300.00	695.20	707.58	0.0	6.82	1225.82	1299.02	382.13	2.83
1.000	1400.00	0.0	0.0	487.00	701.60	706.87	0.0	6.05	1209.99	1238.75	81.68	0.0
1.000	1400.00	0.0	0.0	862.00	701.60	708.88	0.0	6.24	1188.43	1254.96	165.71	1.94
1.000	1400.00	0.0	0.0	1048.00	701.60	708.97	0.0	7.24	1184.92	1256.46	178.08	0.17
1.000	1400.00	0.0	0.0	1491.00	701.60	710.31	0.0	7.23	1160.54	1269.15	298.79	1.34
15830.000	1067.00	0.0	0.0	487.00	706.40	711.72	0.0	5.93	1209.87	1245.56	85.19	0.0
15830.000	1067.00	0.0	0.0	862.00	706.40	712.75	711.89	7.54	1116.44	1264.76	145.02	1.03
15830.000	1067.00	0.0	0.0	1048.00	706.40	713.28	713.10	7.18	1086.57	1274.75	238.80	0.53
15830.000	1067.00	0.0	0.0	1491.00	706.40	713.86	0.0	7.65	1070.53	1282.09	354.92	0.58

Corporate Limits = 116+9.5

A(Lex)

B(Lex)

— Limit of Detailed Study, Beginning of Modified Detailed Study

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
15980.000	150.00	0.0	0.0	487.00	707.50	712.40	0.0	6.79	1210.77	1237.75	72.06	0.0
15980.000	150.00	0.0	0.0	862.00	707.50	713.54	0.0	8.35	1208.33	1259.07	116.51	1.14
* 15980.000	150.00	0.0	0.0	1048.00	707.50	714.20	714.20	7.85	1091.69	1271.29	204.72	0.66
* 15930.000	150.00	0.0	0.0	1491.00	707.50	714.84	714.84	8.12	1073.89	1280.57	329.43	0.64
16030.000	50.00	0.0	0.0	487.00	707.80	712.55	712.34	7.94	1255.28	1290.32	65.53	0.0
16030.000	50.00	0.0	0.0	862.00	707.80	714.39	0.0	6.14	1140.48	1316.70	200.86	1.84
16030.000	50.00	0.0	0.0	1048.00	707.80	714.94	0.0	5.25	1125.80	1323.89	300.43	0.55
16030.000	50.00	0.0	0.0	1491.00	707.80	715.50	0.0	5.27	1110.20	1330.95	418.65	0.56
16081.000	51.00	720.70	715.80	487.00	707.80	712.56	0.0	7.93	1255.27	1290.34	65.58	0.0
16081.000	51.00	720.70	715.80	862.00	707.80	714.39	0.0	6.16	1140.66	1316.61	199.73	1.84
16081.000	51.00	720.70	715.80	1048.00	707.80	714.94	0.0	5.21	1125.53	1324.02	302.37	0.55
16081.000	51.00	720.70	715.80	1491.00	707.80	715.50	0.0	5.24	1109.97	1331.06	420.53	0.56
16220.000	139.00	0.0	0.0	487.00	708.10	713.74	0.0	5.36	1209.19	1251.53	97.69	0.0
16220.000	139.00	0.0	0.0	862.00	708.10	714.61	713.59	7.04	1093.85	1267.81	171.97	0.87
16220.000	139.00	0.0	0.0	1048.00	708.10	714.94	714.80	7.33	1087.77	1273.94	230.67	0.32
16220.000	139.00	0.0	0.0	1491.00	708.10	715.42	715.42	6.20	1074.46	1280.31	325.15	0.49
16359.000	139.00	0.0	0.0	487.00	708.30	714.14	0.0	5.40	1767.75	1803.38	100.05	0.0
16359.000	139.00	0.0	0.0	862.00	708.30	715.19	0.0	6.66	1754.44	1807.58	144.69	1.05
16359.000	139.00	0.0	0.0	1048.00	708.30	715.41	0.0	7.51	1750.48	1809.52	156.92	0.22
16359.000	139.00	0.0	0.0	1491.00	708.30	715.83	0.0	9.22	1742.79	1815.19	184.85	0.42
16508.000	149.00	743.90	718.30	487.00	708.30	714.14	0.0	5.41	1767.76	1803.37	99.96	0.0
16508.000	149.00	743.90	718.30	862.00	708.30	715.19	0.0	6.66	1754.44	1807.58	144.66	1.05
* 16508.000	149.00	743.90	718.30	1048.00	708.30	715.57	0.0	7.11	1747.60	1811.64	166.70	0.38
16508.000	149.00	743.90	718.30	1491.00	708.30	715.84	0.0	9.23	1742.83	1815.16	184.69	0.26
16558.000	50.00	0.0	0.0	487.00	708.50	714.35	0.0	4.94	1147.73	1440.00	136.08	0.0
16558.000	50.00	0.0	0.0	862.00	708.50	715.60	0.0	5.49	1130.72	1440.00	229.70	1.25
16558.000	50.00	0.0	0.0	1048.00	708.50	716.03	0.0	5.80	1122.79	1440.00	271.85	0.43
16558.000	50.00	0.0	0.0	1491.00	708.50	716.71	0.0	6.77	1110.81	1440.00	350.81	0.68
16957.000	399.00	0.0	0.0	487.00	711.30	715.84	715.80	9.01	1027.41	1068.65	65.71	0.0
* 16957.000	399.00	0.0	0.0	862.00	711.30	717.04	717.04	10.30	1025.59	1071.67	114.18	1.19
* 16957.000	399.00	0.0	0.0	1048.00	711.30	717.45	717.45	10.94	1024.96	1072.71	133.52	0.41
* 16957.000	399.00	0.0	0.0	1491.00	711.30	718.29	718.29	12.23	1023.68	1074.84	174.99	0.84
16983.000	50.00	0.0	0.0	487.00	711.60	716.76	0.0	7.11	1026.46	1070.21	88.86	0.0
16983.000	50.00	0.0	0.0	862.00	711.60	717.93	0.0	8.52	1024.69	1073.16	141.97	1.17
16983.000	50.00	0.0	0.0	1048.00	711.60	718.39	0.0	9.08	1023.98	1074.33	164.78	0.45
16983.000	50.00	0.0	0.0	1491.00	711.60	719.30	0.0	10.26	1022.59	1076.64	212.55	0.92
* 17057.000	50.00	0.0	0.0	487.00	711.90	717.33	717.33	7.23	1261.16	1310.45	67.39	0.0
17057.000	50.00	0.0	0.0	862.00	711.90	718.58	0.0	6.55	1259.14	1312.91	131.56	1.25
17057.000	50.00	0.0	0.0	1048.00	711.90	719.10	0.0	6.54	1258.28	1313.95	160.19	0.52
17057.000	50.00	0.0	0.0	1491.00	711.90	720.18	0.0	6.70	1256.52	1316.08	222.45	1.08
17085.000	28.00	733.90	743.10	487.00	711.90	717.50	0.0	6.40	1260.88	1310.80	76.04	0.0
17085.000	28.00	733.90	743.10	862.00	711.90	718.69	0.0	6.26	1258.95	1313.13	137.59	1.18
17085.000	28.00	733.90	743.10	1048.00	711.90	719.20	0.0	6.31	1258.11	1314.16	166.13	0.52
17085.000	28.00	733.90	743.10	1491.00	711.90	720.28	0.0	6.52	1256.35	1316.29	228.81	1.08

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
17094.000	33.00	0.0	0.0	487.00	712.10	711.96	0.0	5.57	1025.39	1072.00	120.18	0.0
17094.000	33.00	0.0	0.0	862.00	712.10	718.81	0.0	7.61	1024.09	1074.15	161.31	0.85
17094.000	33.00	0.0	0.0	1048.00	712.10	719.26	0.0	8.22	1023.41	1075.28	183.98	0.44
17094.000	33.00	0.0	0.0	1491.00	712.10	720.22	0.0	9.33	1021.94	1077.71	235.68	0.96
* 17127.000	33.00	0.0	0.0	487.00	712.80	718.54	718.54	6.70	1265.96	1315.62	72.71	0.0
* 17127.000	33.00	0.0	0.0	862.00	712.80	719.22	719.22	8.03	1264.89	1316.85	107.32	0.68
* 17127.000	33.00	0.0	0.0	1048.00	712.80	719.54	719.54	8.45	1264.39	1317.43	123.99	0.32
17127.000	33.00	0.0	0.0	1491.00	712.80	720.26	0.0	9.16	1263.27	1318.72	162.81	0.71
17155.000	28.00	732.40	743.60	487.00	712.80	718.67	0.0	6.15	1265.76	1315.86	79.17	0.0
17155.000	28.00	732.40	743.60	862.00	712.80	719.45	0.0	7.25	1264.55	1317.25	118.87	0.77
17155.000	28.00	732.40	743.60	1048.00	712.80	719.80	0.0	7.62	1263.99	1317.89	137.57	0.35
17155.000	28.00	732.40	743.60	1491.00	712.80	720.57	0.0	8.28	1262.78	1319.28	180.10	0.77
17188.000	33.00	0.0	0.0	487.00	712.80	719.14	0.0	4.79	1024.66	1073.20	142.88	0.0
17188.000	33.00	0.0	0.0	862.00	712.80	719.92	0.0	6.83	1023.47	1075.18	181.90	0.78
17188.000	33.00	0.0	0.0	1048.00	712.80	720.23	0.0	7.68	1023.00	1075.96	198.17	0.31
17188.000	33.00	0.0	0.0	1491.00	712.80	720.84	0.0	9.50	1022.06	1077.51	231.31	0.61
17221.000	33.00	0.0	0.0	487.00	712.80	719.22	0.0	4.68	1024.54	1073.40	146.57	0.0
17221.000	33.00	0.0	0.0	862.00	712.80	720.06	0.0	6.59	1023.25	1075.54	189.36	0.85
17221.000	33.00	0.0	0.0	1048.00	712.80	720.41	0.0	7.36	1022.72	1076.42	207.71	0.35
17221.000	33.00	0.0	0.0	1491.00	712.80	721.12	0.0	8.96	1021.65	1078.19	246.34	0.71
17254.000	33.00	0.0	0.0	487.00	712.90	719.48	0.0	2.38	1198.86	1346.63	328.82	0.0
17254.000	33.00	0.0	0.0	862.00	712.90	720.58	0.0	2.83	1182.61	1374.01	515.76	1.10
17254.000	33.00	0.0	0.0	1048.00	712.90	721.05	0.0	2.94	1175.61	1412.15	618.18	0.47
17254.000	33.00	0.0	0.0	1491.00	712.90	722.07	0.0	3.05	1160.57	1460.75	892.07	1.01
17287.000	33.00	0.0	0.0	487.00	712.90	719.49	0.0	2.35	1198.47	1347.28	332.70	0.0
17287.000	33.00	0.0	0.0	862.00	712.90	720.59	0.0	2.82	1182.39	1374.38	518.66	1.10
17287.000	33.00	0.0	0.0	1048.00	712.90	721.07	0.0	2.92	1175.41	1412.79	621.38	0.47
17287.000	33.00	0.0	0.0	1491.00	712.90	722.08	0.0	3.04	1160.49	1461.00	893.68	1.01
17321.000	34.00	0.0	0.0	487.00	712.90	719.52	0.0	1.93	1318.23	1467.62	321.53	0.0
17321.000	34.00	0.0	0.0	862.00	712.90	720.63	0.0	2.13	1301.39	1495.34	513.33	1.11
17321.000	34.00	0.0	0.0	1048.00	712.90	721.11	0.0	2.16	1294.23	1520.00	615.79	0.47
17321.000	34.00	0.0	0.0	1491.00	712.90	722.11	0.0	2.19	1279.18	1520.00	848.34	1.01
17402.000	81.00	721.00	718.80	487.00	712.90	719.91	0.0	1.61	1312.35	1477.30	382.79	0.0
17402.000	81.00	721.00	718.80	862.00	712.90	721.58	0.0	1.50	1287.09	1520.00	724.18	1.67
17402.000	81.00	721.00	718.80	1048.00	712.90	722.00	0.0	1.59	1280.79	1520.00	822.67	0.42
17402.000	81.00	721.00	718.80	1491.00	712.90	722.66	0.0	1.87	1270.79	1520.00	984.48	0.66
17452.000	50.00	0.0	0.0	487.00	714.20	719.82	0.0	3.70	1201.67	1322.96	201.04	0.0
17452.000	50.00	0.0	0.0	862.00	714.20	721.54	0.0	3.17	1187.67	1365.49	452.43	1.71
17452.000	50.00	0.0	0.0	1048.00	714.20	721.95	0.0	3.36	1181.56	1375.78	529.49	0.41
17452.000	50.00	0.0	0.0	1491.00	714.20	722.61	0.0	3.85	1171.90	1424.13	679.70	0.66
17502.000	50.00	0.0	0.0	487.00	715.50	719.33	719.33	9.01	1205.08	1228.51	54.04	0.0
17502.000	50.00	0.0	0.0	862.00	715.50	721.41	0.0	5.68	1201.12	1330.09	236.99	2.08
17502.000	50.00	0.0	0.0	1048.00	715.50	721.85	0.0	5.64	1200.29	1340.95	295.90	0.44
17502.000	50.00	0.0	0.0	1491.00	715.50	722.50	0.0	6.20	1192.67	1357.06	394.36	0.65

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
21627.000	4125.00	0.0	0.0	208.00	742.90	747.90	0.0	4.37	1068.70	1089.53	56.73	0.0
* 21627.000	4125.00	0.0	0.0	399.00	742.50	747.38	747.38	9.85	1069.65	1088.52	46.54	-0.51
* 21627.000	4125.00	0.0	0.0	505.00	742.90	747.93	747.93	10.50	1068.63	1089.61	57.50	0.55
* 21627.000	4125.00	0.0	0.0	770.00	742.90	749.08	749.08	11.75	1066.49	1091.86	83.97	1.14
* 21677.000	50.00	0.0	0.0	208.00	745.00	748.06	748.06	8.66	1073.64	1085.71	24.40	0.0
* 21677.000	50.00	0.0	0.0	399.00	745.00	749.49	749.49	9.83	1069.65	1088.53	46.62	1.43
* 21677.000	50.00	0.0	0.0	505.00	745.00	750.04	750.04	10.46	1068.61	1089.63	57.71	0.56
* 21677.000	50.00	0.0	0.0	770.00	745.00	751.17	751.17	11.76	1066.50	1091.86	83.89	1.13
* 21702.000	25.00	0.0	0.0	208.00	747.10	751.10	751.10	8.57	1362.88	1379.57	28.94	0.0
* 21702.000	25.00	0.0	0.0	399.00	747.10	752.08	752.08	9.82	1360.86	1381.51	47.40	0.98
* 21702.000	25.00	0.0	0.0	505.00	747.10	752.49	752.49	10.40	1360.18	1382.31	56.12	0.41
* 21702.000	25.00	0.0	0.0	770.00	747.10	753.39	753.39	11.34	1358.68	1384.08	77.46	0.90
21801.000	99.00	756.10	750.10	208.00	747.10	756.94	0.0	1.17	1352.76	1584.36	248.56	0.0
21801.000	99.00	756.10	750.10	399.00	747.10	757.38	0.0	1.86	1352.03	1609.47	339.26	0.45
21801.000	99.00	756.10	750.10	505.00	747.10	757.55	0.0	2.18	1351.75	1614.99	378.90	0.17
21801.000	99.00	756.10	750.10	770.00	747.10	757.88	0.0	2.81	1351.20	1625.99	466.70	0.33
21826.000	25.00	0.0	0.0	208.00	749.20	756.90	0.0	2.25	1063.64	1094.88	127.20	0.0
21826.000	25.00	0.0	0.0	399.00	749.20	757.27	0.0	4.01	1062.95	1095.60	138.97	0.37
21826.000	25.00	0.0	0.0	505.00	749.20	757.37	0.0	4.98	1062.76	1095.80	142.29	0.10
21826.000	25.00	0.0	0.0	770.00	749.20	757.46	0.0	7.46	1062.58	1095.99	145.47	0.09
21876.000	50.00	0.0	0.0	208.00	751.30	756.84	0.0	3.75	1067.69	1090.60	68.53	0.0
21876.000	50.00	0.0	0.0	399.00	751.30	757.04	0.0	6.79	1067.29	1091.01	73.43	0.21
21876.000	50.00	0.0	0.0	505.00	751.30	756.96	0.0	8.80	1067.46	1090.84	71.35	-0.09
* 21876.000	50.00	0.0	0.0	770.00	751.30	757.47	757.47	11.77	1066.51	1091.84	83.74	0.51
* 22624.000	748.00	0.0	0.0	208.00	759.90	763.06	763.06	6.39	1181.80	1238.75	51.38	0.0
* 22624.000	748.00	0.0	0.0	399.00	759.90	763.65	763.65	7.36	1180.64	1258.46	91.21	0.59
* 22624.000	748.00	0.0	0.0	505.00	759.90	763.90	763.90	7.73	1180.15	1266.72	111.58	0.25
22624.000	748.00	0.0	0.0	770.00	759.90	764.87	0.0	6.34	1178.25	1299.07	212.23	0.97
* 22674.000	50.00	0.0	0.0	208.00	760.80	763.94	763.94	6.54	1181.85	1237.91	49.95	0.0
* 22674.000	50.00	0.0	0.0	399.00	760.80	764.47	764.47	7.87	1180.80	1255.66	84.80	0.53
* 22674.000	50.00	0.0	0.0	505.00	760.80	764.77	764.77	7.93	1180.22	1265.53	108.51	0.30
* 22674.000	50.00	0.0	0.0	770.00	760.80	765.22	765.22	8.84	1179.33	1280.66	150.86	0.45
* 22724.000	50.00	0.0	0.0	208.00	761.60	764.70	764.70	6.87	1203.16	1249.94	42.30	0.0
* 22724.000	50.00	0.0	0.0	399.00	761.60	765.22	765.22	7.78	1201.81	1263.73	70.78	0.52
* 22724.000	50.00	0.0	0.0	505.00	761.60	765.47	765.47	7.95	1201.17	1270.28	87.08	0.25
* 22724.000	50.00	0.0	0.0	770.00	761.60	765.93	765.93	8.60	1200.00	1282.24	121.44	0.45
22766.000	42.00	766.60	765.00	208.00	762.50	767.66	0.0	1.35	1197.08	1308.64	201.86	0.0
22766.000	42.00	766.60	765.00	399.00	762.50	768.05	0.0	2.05	1192.33	1327.46	248.31	0.38
22766.000	42.00	766.60	765.00	505.00	762.50	768.21	0.0	2.36	1190.25	1335.69	271.37	0.16
22766.000	42.00	766.60	765.00	770.00	762.50	768.54	0.0	3.02	1186.17	1351.86	321.70	0.32
22816.000	50.00	0.0	0.0	208.00	760.80	767.68	0.0	0.72	1155.22	1324.88	488.85	0.0
22816.000	50.00	0.0	0.0	399.00	760.80	768.09	0.0	1.22	1150.01	1330.27	560.18	0.41
22816.000	50.00	0.0	0.0	505.00	760.80	768.27	0.0	1.46	1147.74	1332.61	592.50	0.18
22816.000	50.00	0.0	0.0	770.00	760.80	768.62	0.0	2.01	1143.21	1337.30	659.67	0.35

Corporate Limits @ 218+99 + 222+52

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
22866.000	50.00	0.0	0.0	208.00	761.70	767.68	0.0	1.02	1166.68	1313.03	347.24	0.0
22866.000	50.00	0.0	0.0	399.00	761.70	768.09	0.0	1.65	1161.41	1318.48	409.79	0.41
22866.000	50.00	0.0	0.0	505.00	761.70	768.27	0.0	1.96	1159.17	1320.80	437.67	0.18
22866.000	50.00	0.0	0.0	770.00	761.70	768.62	0.0	2.64	1154.60	1325.53	497.18	0.35

SUMMARY OF ERRORS

CAUTION SECNO= 3918.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3918.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3918.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 3918.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3918.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3918.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 3918.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3918.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3918.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 3918.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3918.000 PROFILE= 4 MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 4523.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 4523.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 4523.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 4523.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 4523.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 4523.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 4523.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 4523.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 4523.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 4523.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 4523.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 4523.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 5608.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 5608.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 5608.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 7480.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 7480.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 7480.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 7480.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 7480.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 7480.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 7480.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 7480.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 7480.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 7480.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 7480.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 7480.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=11350.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO=11350.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=11350.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=11350.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO=11350.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY

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

T1 LEXINGTON-DAVIDSON CO. STREAM 18-4L MICHAEL'S BRANCH
 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
	-1.	4.	0.	0.	0.0	0.0	0.0	0.	665.190	0.0
J2	NPROF	IPL0T	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	200.000	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	1220.000	2080.000	2400.000	3110.000	2400.000	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	1030.000	14.000	1400.000	1418.000	1030.000	1030.000	1030.000	0.0	0.0	0.0
GR	670.000	820.000	663.000	1000.000	663.000	1100.000	663.500	1200.000	663.800	1300.000
GR	664.900	1400.000	659.700	1403.000	659.600	1409.000	658.600	1416.000	663.900	1418.000
GR	665.200	1500.000	670.000	1600.000	670.000	1700.000	670.800	1800.000	0.0	0.0
QT	5.000	1210.000	2050.000	2390.000	3100.000	2390.000	0.0	0.0	0.0	0.0
X1	3524.000	10.000	1160.000	1185.000	2494.000	2494.000	2494.000	0.0	0.0	0.0
GR	684.100	1000.000	670.300	1064.000	671.700	1100.000	672.200	1160.000	665.300	1165.000
GR	664.900	1172.000	665.000	1180.000	671.700	1185.000	671.400	1200.000	684.100	1275.000
X1	3918.000	12.000	1122.000	1142.000	394.000	394.000	394.000	0.0	0.0	0.0
GR	691.500	1000.000	677.700	1075.000	676.100	1100.000	676.100	1122.000	669.600	1125.000
GR	668.600	1132.000	669.300	1139.000	675.400	1142.000	675.400	1200.000	674.500	1300.000
GR	675.700	1400.000	676.400	1500.000	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	4168.000	16.000	1426.000	1461.000	250.000	250.000	250.000	0.0	0.0	0.0
GR	690.100	1000.000	693.300	1100.000	689.600	1200.000	687.000	1300.000	686.200	1343.000
GR	678.900	1385.000	677.300	1410.000	677.400	1426.000	669.700	1426.000	669.700	1461.000
GR	675.700	1461.000	676.600	1510.000	675.700	1610.000	676.900	1710.000	677.300	1790.000
GR	688.300	1800.000	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	36.000	1.000	350.000	0.0	0.0	0.0

QT	5.000	830.000	1420.000	1700.000	2300.000	1700.000	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	-5.400	0.0	0.0	0.0	0.0
X1	13119.000	14.000	1250.000	1283.000	1769.000	1769.000	1769.000	0.0	-3.200	0.0
GR	720.200	1000.000	713.500	1100.000	708.100	1200.000	707.100	1250.000	695.600	1265.000
GR	695.400	1272.000	695.200	1280.000	698.700	1283.000	706.300	1296.000	708.000	1300.000
GR	710.900	1400.000	711.900	1420.000	712.500	1470.000	720.100	1500.000	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
ET	5.000	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0
X1	13219.000	17.000	1400.000	1418.000	100.000	100.000	100.000	0.0	0.0	0.0
GR	720.600	1000.000	716.400	1100.000	712.200	1200.000	711.000	1250.000	706.500	1337.000
GR	705.500	1387.000	696.000	1400.000	693.600	1400.000	693.600	1418.000	697.200	1418.000
GR	704.700	1433.000	706.400	1437.000	708.600	1438.000	708.800	1500.000	710.200	1600.000
GR	711.900	1700.000	715.500	1800.000	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	18.000	0.500	180.000	0.0	0.0	0.0
X1	13263.000	0.0	0.0	0.0	44.000	44.000	44.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	703.800	708.600	0.0	0.0	0.0	0.0	0.0
BT	12.000	1000.000	720.600	0.0	1100.000	716.400	0.0	1200.000	712.200	0.0
BT	1250.000	711.000	0.0	1300.000	709.800	0.0	1400.000	708.600	703.800	1418.000
BT	708.600	703.800	1438.000	708.600	0.0	1500.000	708.800	0.0	1600.000	710.200
BT	0.0	1700.000	711.900	0.0	1800.000	715.500	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	13363.000	14.000	1250.000	1283.000	100.000	100.000	100.000	0.0	0.0	0.0
GR	720.200	1000.000	713.500	1100.000	708.100	1200.000	707.100	1250.000	695.600	1265.000
GR	695.400	1272.000	695.200	1280.000	698.700	1283.000	706.300	1296.000	708.000	1300.000
GR	710.900	1400.000	711.900	1420.000	712.500	1470.000	720.100	1500.000	0.0	0.0
QT	5.000	487.000	862.000	1048.000	1491.000	1048.000	0.0	0.0	0.0	0.0
X1	1.000	9.000	1208.000	1234.000	1400.000	1400.000	1400.000	0.0	0.0	0.0
GR	720.000	1025.000	710.000	1165.000	707.800	1208.000	701.700	1221.000	701.600	1224.000
GR	701.600	1227.000	706.300	1234.000	710.000	1265.000	720.000	1395.000	0.0	0.0
X1	15830.000	12.000	1208.000	1234.000	1067.000	1067.000	1067.000	0.0	0.0	0.0
GR	724.100	1000.000	714.900	1042.000	712.800	1100.000	712.500	1200.000	712.600	1208.000
GR	706.500	1221.000	706.400	1224.000	706.400	1227.000	711.100	1234.000	713.300	1275.000
GR	715.300	1300.000	729.800	1385.000	0.0	0.0	0.0	0.0	0.0	0.0
X1	15980.000	0.0	0.0	0.0	150.000	150.000	150.000	0.0	1.100	0.0
NC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	16030.000	25.000	1260.500	1279.500	50.000	50.000	50.000	0.0	0.0	0.0
GR	735.700	1000.000	725.500	1046.000	716.300	1088.000	714.200	1146.000	713.900	1246.000
GR	711.800	1260.500	709.800	1261.000	708.500	1263.000	707.800	1264.500	708.500	1266.000
GR	709.800	1268.000	711.800	1268.500	711.800	1271.500	709.800	1272.000	708.500	1274.000
GR	707.800	1275.500	708.500	1277.000	709.800	1279.000	711.800	1279.500	714.700	1321.000
GR	716.700	1346.000	721.200	1372.000	721.600	1400.000	723.600	1500.000	727.500	1700.000
SB	0.900	1.500	2.500	0.0	16.000	0.010	100.500	0.0	0.0	0.0
X1	16081.000	0.0	0.0	0.0	51.000	51.000	51.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	715.800	0.0	0.0	0.0	0.0	0.0	0.0
BT	21.000	1000.000	735.700	0.0	1100.000	729.200	0.0	1200.000	723.400	0.0
BT	1260.500	720.900	711.800	1261.000	720.900	713.700	1263.000	720.900	715.500	1264.500
BT	720.900	715.800	1266.000	720.900	715.500	1268.000	720.900	713.700	1268.500	720.900
BT	711.800	1271.500	720.900	711.800	1272.000	720.900	713.700	1274.000	720.900	715.500

PT	1275.500	720.900	715.800	1277.000	720.900	715.500	1279.000	720.900	713.700	1279.500
BT	720.900	711.800	1300.000	720.700	0.0	1400.000	721.600	0.0	1500.000	723.600
BT	0.0	1700.000	727.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.055	0.035	0.035	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	16220.000	12.000	1208.000	1234.000	139.000	139.000	139.000	0.0	1.700	0.0
GR	724.100	1000.000	714.900	1042.000	712.800	1100.000	712.500	1200.000	712.600	1208.000
GR	706.500	1221.000	706.400	1224.000	706.400	1227.000	711.100	1234.000	713.300	1275.000
GR	715.300	1300.000	729.800	1385.000	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	16359.000	23.000	1790.000	1800.000	139.000	139.000	139.000	0.0	0.0	0.0
GR	765.100	1084.000	763.300	1100.000	759.200	1200.000	756.200	1300.000	752.900	1400.000
GR	750.600	1489.000	731.800	1620.000	717.100	1720.000	714.500	1767.000	711.200	1774.000
GR	711.600	1782.000	713.400	1785.000	713.300	1788.000	713.300	1790.000	708.300	1790.000
GR	708.300	1800.000	713.300	1800.000	715.300	1808.000	716.200	1820.000	717.400	1920.000
GR	720.900	2020.000	750.100	2200.000	753.400	2300.000	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	10.000	0.010	100.000	0.0	0.0	0.0
X2	16508.000	0.0	0.0	0.0	149.000	149.000	149.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	718.300	0.0	0.0	0.0	0.0	0.0	0.0
BT	15.000	1084.000	765.100	0.0	1100.000	763.300	0.0	1200.000	759.200	0.0
BT	1300.000	756.200	0.0	1400.000	752.900	0.0	1500.000	750.100	0.0	1600.000
BT	747.900	0.0	1700.000	746.200	0.0	1790.000	744.900	718.300	1800.000	744.900
BT	710.300	1900.000	743.900	0.0	2000.000	744.000	0.0	2100.000	746.300	0.0
BT	2200.000	750.100	0.0	2300.000	753.400	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	16558.000	16.000	1168.000	1188.000	50.000	50.000	50.000	0.0	-0.200	0.0
GR	732.200	1000.000	717.500	1100.000	714.900	1147.000	711.600	1154.000	712.000	1162.000
GR	713.800	1165.000	713.700	1168.000	709.300	1170.000	708.700	1175.000	709.400	1179.000
GR	715.700	1188.000	716.600	1200.000	717.800	1300.000	721.300	1400.000	714.600	1412.000
GR	712.900	1440.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	16957.000	13.000	1049.000	1066.000	399.000	399.000	399.000	0.0	-0.400	0.0
GR	734.200	1000.000	715.200	1029.000	711.800	1032.000	717.200	1034.000	715.200	1049.000
GR	711.700	1059.000	715.200	1066.000	722.700	1085.000	723.600	1100.000	723.700	1102.000
GR	724.200	1117.000	726.200	1136.000	734.200	1151.000	0.0	0.0	0.0	0.0
X1	16983.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.300	0.0
NC	0.060	0.060	0.040	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	17057.000	14.000	1157.000	1344.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	754.400	1000.000	750.300	1100.000	743.000	1157.000	723.400	1207.000	723.600	1229.000
GR	720.500	1256.000	711.900	1270.000	716.300	1277.000	717.100	1310.000	734.300	1344.000
GR	736.800	1400.000	734.800	1500.000	733.900	1600.000	734.200	1700.000	0.0	0.0
SB	1.250	1.500	2.500	0.0	187.000	7.500	2627.000	0.0	0.0	0.0
X1	17085.000	0.0	0.0	0.0	28.000	28.000	28.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	743.100	0.0	0.0	0.0	0.0	0.0	0.0
BT	8.000	1000.000	754.400	0.0	1100.000	750.300	0.0	1157.000	747.200	743.100
BT	1344.000	738.300	734.200	1400.000	736.800	0.0	1500.000	734.800	0.0	1600.000
BT	733.900	0.0	1700.000	734.200	0.0	0.0	0.0	0.0	0.0	0.0
VC	0.055	0.055	0.035	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	17094.000	13.000	1049.000	1066.000	33.000	33.000	33.000	0.0	0.400	0.0
GR	734.200	1000.000	715.200	1029.000	711.800	1032.000	717.200	1034.000	715.200	1049.000

GR	711.700	1059.000	715.200	1066.000	722.700	1085.000	723.600	1100.000	723.700	1102.000
GR	724.200	1117.000	726.200	1136.000	734.200	1151.000	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	17127.000	14.000	1157.000	1345.000	33.000	33.000	33.000	0.0	0.0	0.0
GR	754.400	1000.000	749.300	1100.000	743.500	1157.000	724.200	1212.000	724.300	1234.000
GR	721.700	1261.000	712.800	1275.000	717.500	1282.000	718.200	1315.000	734.800	1345.000
GR	736.100	1400.000	733.600	1500.000	732.400	1600.000	732.600	1700.000	0.0	0.0
SB	1.250	1.500	2.500	0.0	188.000	7.500	2498.000	0.0	0.0	0.0
X1	17155.000	0.0	0.0	0.0	28.000	28.000	28.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	743.600	0.0	0.0	0.0	0.0	0.0	0.0
BT	8.000	1000.000	754.400	0.0	1100.000	749.300	0.0	1157.000	746.800	743.600
BT	1345.000	738.100	734.900	1400.000	736.100	0.0	1500.000	733.600	0.0	1600.000
BT	732.400	0.0	1700.000	732.600	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	17188.000	13.000	1049.000	1066.000	33.000	33.000	33.000	0.0	1.100	0.0
GR	734.200	1000.000	715.200	1029.000	711.800	1032.000	717.200	1034.000	715.200	1049.000
GR	711.700	1059.000	715.200	1066.000	722.700	1085.000	723.600	1100.000	723.700	1102.000
GR	724.200	1117.000	726.200	1136.000	734.200	1151.000	0.0	0.0	0.0	0.0
X1	17221.000	0.0	0.0	0.0	33.000	33.000	33.000	0.0	0.0	0.0
X1	17254.000	13.000	1200.000	1229.000	33.000	33.000	33.000	0.0	-1.300	0.0
GR	734.900	1000.000	726.500	1100.000	726.400	1116.000	720.700	1200.000	714.400	1212.000
GR	714.200	1215.000	714.400	1218.000	718.200	1229.000	718.900	1300.000	722.000	1377.000
GR	722.100	1400.000	724.200	1500.000	734.900	1600.000	0.0	0.0	0.0	0.0
X1	17287.000	0.0	0.0	0.0	33.000	33.000	33.000	0.0	0.0	0.0
NC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	17321.000	23.000	1322.500	1347.500	34.000	34.000	34.000	0.0	0.0	0.0
GR	734.200	1000.000	730.500	1100.000	725.700	1200.000	724.700	1240.000	719.400	1320.000
GR	714.900	1322.500	713.100	1324.000	713.000	1326.000	712.900	1327.500	713.000	1329.000
GR	713.100	1331.000	714.900	1332.500	714.900	1337.500	717.500	1339.000	718.600	1341.000
GR	718.800	1342.500	718.600	1344.000	717.500	1346.000	714.900	1347.500	716.900	1349.000
GR	717.600	1420.000	720.700	1497.000	720.800	1520.000	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	20.000	0.010	116.000	0.0	0.0	0.0
X1	17402.000	0.0	0.0	0.0	81.000	81.000	81.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	718.800	0.0	0.0	0.0	0.0	0.0	0.0
BT	22.000	1000.000	734.200	0.0	1100.000	730.500	0.0	1200.000	725.700	0.0
BT	1300.000	723.300	0.0	1322.500	722.600	714.900	1324.000	722.600	717.500	1326.000
BT	722.600	718.600	1327.500	722.600	718.800	1329.000	722.600	718.600	1331.000	722.600
BT	717.500	1332.500	722.600	714.900	1337.500	722.600	714.900	1339.000	722.600	717.500
BT	1341.000	722.600	718.600	1342.500	722.600	718.800	1344.000	722.600	718.600	1346.000
BT	722.600	717.500	1347.500	722.600	714.900	1400.000	721.300	0.0	1500.000	721.000
BT	0.0	1600.000	721.900	0.0	1700.000	723.300	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	17452.000	13.000	1200.000	1229.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	734.900	1000.000	726.500	1100.000	726.400	1116.000	720.700	1200.000	714.400	1212.000
GR	714.200	1215.000	714.400	1218.000	718.200	1229.000	718.900	1300.000	722.000	1377.000
GR	722.100	1400.000	724.200	1500.000	734.900	1600.000	0.0	0.0	0.0	0.0

X1	17502.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	1.300	0.0
QT	5.000	208.000	399.000	505.000	770.000	505.000	0.0	0.0	0.0	0.0
X1	21627.000	12.000	1075.000	1085.000	4125.000	4125.000	4125.000	0.0	-2.100	0.0
GR	765.300	1000.000	760.000	1050.000	749.300	1070.000	747.600	1075.000	745.000	1077.000
GR	745.000	1080.000	745.000	1082.000	747.700	1085.000	755.300	1100.000	757.500	1200.000
GR	758.200	1300.000	757.300	1400.000	0.0	0.0	0.0	0.0	0.0	0.0
X1	21677.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	2.100	0.0
NC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	21702.000	21.000	1370.500	1373.500	25.000	25.000	25.000	0.0	0.0	0.0
GR	773.100	1000.000	768.800	1100.000	764.100	1200.000	760.500	1300.000	759.200	1349.000
GR	751.400	1362.000	749.700	1367.000	748.600	1370.500	747.800	1370.700	747.300	1371.300
GR	747.100	1372.000	747.300	1372.700	747.800	1373.300	748.600	1373.500	749.800	1377.000
GR	757.400	1392.000	757.700	1400.000	756.100	1500.000	757.100	1600.000	760.100	1700.000
GR	763.900	1800.000	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	3.000	0.010	7.100	0.0	0.0	0.0
X1	21801.000	0.0	0.0	0.0	99.000	99.000	99.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	750.100	0.0	0.0	0.0	0.0	0.0	0.0
BT	16.000	1000.000	773.100	0.0	1100.000	768.800	0.0	1200.000	764.100	0.0
BT	1300.000	760.500	0.0	1370.500	758.600	748.600	1370.700	758.600	749.400	1371.300
BT	758.600	749.900	1372.000	758.600	750.100	1372.700	758.600	749.900	1373.300	758.600
BT	749.400	1373.500	758.600	748.600	1400.000	757.700	0.0	1500.000	756.100	0.0
BT	1600.000	757.100	0.0	1700.000	760.100	0.0	1800.000	763.900	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	21826.000	12.000	1075.000	1085.000	25.000	25.000	25.000	0.0	4.200	0.0
GR	765.300	1000.000	760.000	1050.000	749.300	1070.000	747.600	1075.000	745.000	1077.000
GR	745.000	1080.000	745.000	1082.000	747.700	1085.000	755.300	1100.000	757.500	1200.000
GR	758.200	1300.000	757.300	1400.000	0.0	0.0	0.0	0.0	0.0	0.0
X1	21876.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	2.100	0.0
X1	22624.000	14.000	1178.000	1194.000	748.000	748.000	748.000	0.0	0.0	0.0
GR	780.300	1000.000	771.100	1100.000	765.000	1178.000	759.900	1188.000	760.000	1188.000
GR	762.000	1194.000	761.900	1200.000	764.900	1300.000	768.000	1341.000	768.500	1359.000
GR	768.400	1377.000	768.700	1400.000	772.900	1500.000	780.300	1625.000	0.0	0.0
X1	22674.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.900	0.0
NC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	22724.000	17.000	1207.800	1210.300	50.000	50.000	50.000	0.0	0.0	0.0
GR	783.200	1000.000	772.800	1121.000	766.700	1198.000	762.900	1207.800	762.000	1208.200
GR	761.600	1209.000	762.000	1209.900	762.900	1210.300	763.600	1221.000	766.600	1300.000
GR	768.300	1380.000	768.700	1400.000	772.000	1500.000	775.400	1600.000	776.200	1700.000
GR	781.200	1744.000	783.200	1787.000	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	1.400	0.010	4.900	0.200	0.0	0.0
X1	22766.000	0.0	0.0	0.0	42.000	42.000	42.000	0.0	0.900	0.0
X2	0.0	0.0	1.000	765.000	766.600	0.0	0.0	0.0	0.0	0.0
BT	16.000	1000.000	783.200	0.0	1100.000	775.100	0.0	1200.000	768.000	0.0
BT	1207.800	767.600	763.800	1208.200	767.600	764.600	1209.000	767.600	765.000	1209.900
BT	767.600	764.600	1210.300	767.600	763.800	1300.000	766.600	0.0	1385.000	768.300
BT	0.0	1400.000	768.700	0.0	1500.000	772.000	0.0	1600.000	775.400	0.0

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

T1 MICHAEL'S BRANCH
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 100 YEAR FLOODWAY

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FR
	-10.	6.	0.	0.	0.0	0.0	0.0	0.	666.199	0.0
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

*PROF 2

CCHV= 0.100 CEHV= 0.300

*SECNO 1030.000

2800 NAT Q1= 379.79 WSEL= 665.19 ENC Q1= 379.79 WSEL= 666.19 RATIO= 0.0

NAT Q1=	780.	RATIOS	LOB,CH,ROB=	0.7700	0.1630	0.0670	WSEL=	666.19		
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	

3470 ENCROACHMENT STATIONS=	1178.3	1440.4	TYPE=	4	TARGET=	0.513			
1030.00	7.59	666.19	0.0	665.19	666.56	0.37	0.0	0.0	664.90
2400.	1468.	806.	126.	498.	110.	47.	0.	0.	663.90
0.0	2.95	7.30	2.67	0.055	0.035	0.055	0.0	658.60	1178.25
0.004017	1030.	1030.	1030.	0	0	0	0.0	262.18	1440.43

*SECNO 3524.000

2800 NAT Q1= 412.50 WSEL= 673.99 ENC Q1= 412.50 WSEL= 674.99 RATIO= 0.0

NAT Q1= 594. RATIOS LOB,CH,ROB= 0.3780 0.5434 0.0786 WSEL= 674.99

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=	1113.4	1194.4	TYPE=	4	TARGET=	0.306			
3524.00	10.06	674.96	0.0	673.99	675.93	2.97	9.19	0.18	672.20
2390.	428.	1872.	90.	138.	213.	31.	30.	10.	671.70
0.09	3.10	8.78	2.86	0.055	0.035	0.055	0.035	664.90	1113.41
0.003393	2494.	2494.	2494.	4	0	0	0.0	80.95	1194.36

*SECNO 3918.000

2800 NAT Q1= 321.20 WSEL= 676.68 ENC Q1= 321.20 WSEL= 677.68 RATIO= 0.0

NAT Q1= 614. RATIOS LOB,CH,ROB= 0.0281 0.3232 0.6486 WSEL= 677.68

3280 CROSS SECTION 3918.00 EXTENDED 0.98 FEET

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

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

100 YEAR FLOOD WATER SUR
 SUMMARY PRINTOUT

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
1030.000	1030.00	0.0	0.0	2400.00	658.60	665.19	0.0	6.46	943.69	1499.38	857.63	0.0
1030.000	1030.00	0.0	0.0	2400.00	658.60	666.19	0.0	7.30	1178.25	1440.43	655.54	1.00
3524.000	2494.00	0.0	0.0	2390.00	664.90	673.99	0.0	8.05	1046.90	1215.27	506.39	0.0
3524.000	2494.00	0.0	0.0	2390.00	664.90	674.96	0.0	8.78	1113.41	1194.36	382.46	0.97
* 3918.000	394.00	0.0	0.0	2390.00	668.60	676.68	676.68	8.86	1090.91	1500.00	616.05	0.0
* 3918.000	394.00	0.0	0.0	2390.00	668.60	677.38	677.38	10.75	1112.32	1246.75	375.07	0.70
4168.000	250.00	0.0	0.0	2390.00	669.70	677.44	0.0	6.17	1407.81	1790.13	605.93	0.0
4168.000	250.00	0.0	0.0	2390.00	669.70	678.65	0.0	6.43	1421.87	1503.83	427.74	1.21
4273.000	105.00	684.70	679.80	2390.00	669.70	677.46	0.0	6.12	1407.56	1790.14	612.09	0.0
4273.000	105.00	684.70	679.80	2390.00	669.70	678.46	0.0	3.77	1391.94	1791.05	1002.84	1.00
* 4523.000	250.00	0.0	0.0	2390.00	671.00	679.08	679.08	8.85	1090.89	1500.00	616.55	0.0
* 4523.000	250.00	0.0	0.0	2390.00	671.00	679.74	679.74	10.89	1112.30	1246.84	370.08	0.66
5508.000	985.00	0.0	0.0	2380.00	671.90	680.61	0.0	2.52	1056.99	1409.15	1595.12	0.0
5508.000	985.00	0.0	0.0	2380.00	671.90	681.83	0.0	2.40	1063.29	1334.10	1594.81	1.22
5608.000	100.00	0.0	0.0	2380.00	672.00	679.57	0.0	10.38	1205.00	1253.00	229.37	0.0
5608.000	100.00	0.0	0.0	2380.00	672.00	681.30	0.0	7.63	1205.00	1253.00	312.10	1.72
5633.000	25.00	682.90	683.00	2380.00	672.00	679.73	0.0	10.04	1205.00	1253.00	237.05	0.0
5633.000	25.00	682.90	683.00	2380.00	672.00	680.73	0.0	8.35	1205.00	1253.00	285.04	1.00
5733.000	100.00	0.0	0.0	2380.00	672.10	681.49	0.0	2.14	1054.65	1410.64	1832.44	0.0
5733.000	100.00	0.0	0.0	2380.00	672.10	682.33	0.0	2.40	1062.54	1321.53	1590.72	0.84
* 7480.000	1747.00	0.0	0.0	2300.00	681.00	685.70	685.70	10.60	1093.14	1389.95	469.40	0.0
* 7480.000	1747.00	0.0	0.0	2300.00	681.00	686.73	686.73	12.29	1165.49	1276.57	320.37	1.03
9680.000	2200.00	0.0	0.0	2000.00	685.10	693.20	0.0	4.13	1026.36	1423.95	984.17	0.0
9680.000	2200.00	0.0	0.0	2000.00	685.10	694.08	0.0	4.16	1116.66	1342.10	856.05	0.88
* 11350.000	1670.00	0.0	0.0	1800.00	689.80	698.54	698.54	9.21	1176.66	1385.16	356.28	0.0
* 11350.000	1670.00	0.0	0.0	1800.00	689.80	698.72	698.72	12.21	1237.25	1281.46	166.92	0.17

Lexington Corporate Limits 2/116+95

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRISW	VCH	SSTA	ENDST	AREA	DIFWSP
13119.000	1769.00	0.0	0.0	1700.00	692.00	703.43	0.0	5.71	1250.62	1296.77	330.66	0.0
13119.000	1769.00	0.0	0.0	1700.00	692.00	705.29	0.0	5.03	1250.00	1283.00	338.07	1.86
13219.000	100.00	0.0	0.0	1700.00	693.60	703.29	0.0	7.96	1390.02	1430.19	247.99	0.0
13219.000	100.00	0.0	0.0	1700.00	693.60	704.95	0.0	8.18	1399.08	1419.04	220.14	1.67
13263.000	44.00	708.60	703.80	1700.00	693.60	704.83	0.0	6.43	1387.91	1433.31	313.85	0.0
13263.000	44.00	999999.00	0.0	1700.00	693.60	706.49	0.0	6.63	1397.04	1421.80	291.69	1.67
13363.000	100.00	0.0	0.0	1700.00	695.20	704.75	0.0	7.41	1253.06	1293.35	249.77	0.0
13363.000	100.00	0.0	0.0	1700.00	695.20	706.64	0.0	6.13	1250.60	1283.00	277.33	1.89
1.000	1400.00	0.0	0.0	1048.00	701.60	708.97	0.0	7.24	1184.92	1256.46	178.08	0.0
1.000	1400.00	0.0	0.0	1048.00	701.60	709.79	0.0	6.74	1208.00	1234.00	155.54	0.82
15830.000	1067.00	0.0	0.0	1048.00	706.40	713.28	713.10	7.18	1086.57	1274.75	238.80	0.0
15830.000	1067.00	0.0	0.0	1048.00	706.40	713.92	0.0	7.60	1208.00	1234.00	137.84	0.64
* 15980.000	150.00	0.0	0.0	1048.00	707.50	714.20	714.20	7.85	1091.69	1271.29	204.72	0.0
15980.000	150.00	0.0	0.0	1048.00	707.50	714.62	0.0	8.22	1208.00	1234.00	127.52	0.42
16030.000	50.00	0.0	0.0	1048.00	707.80	714.94	0.0	5.25	1125.80	1323.89	300.43	0.0
16030.000	50.00	0.0	0.0	1048.00	707.80	715.18	0.0	7.19	1244.93	1285.52	163.69	0.24
16081.000	51.00	720.70	715.80	1048.00	707.80	714.94	0.0	5.21	1125.53	1324.02	302.37	0.0
16081.000	51.00	999999.00	0.0	1048.00	707.80	715.18	0.0	7.15	1244.15	1285.68	165.25	0.24
16220.000	139.00	0.0	0.0	1048.00	708.10	714.94	714.80	7.33	1087.77	1273.94	230.67	0.0
16220.000	139.00	0.0	0.0	1048.00	708.10	715.45	0.0	7.36	1208.00	1234.00	133.36	0.52
16359.000	139.00	0.0	0.0	1048.00	708.30	715.41	0.0	7.51	1750.48	1809.52	156.92	0.0
16359.000	139.00	0.0	0.0	1048.00	708.30	716.00	0.0	8.89	1776.81	1803.61	132.61	0.59
* 16508.000	149.00	743.90	718.30	1048.00	708.30	715.57	0.0	7.11	1747.60	1811.64	166.70	0.0
16508.000	149.00	743.90	718.30	1048.00	708.30	716.57	0.0	5.00	1729.53	1851.07	251.28	1.00
16558.000	50.00	0.0	0.0	1048.00	708.50	716.03	0.0	5.80	1122.79	1440.00	271.85	0.0
16558.000	50.00	0.0	0.0	1048.00	708.50	716.56	0.0	7.29	1158.11	1420.20	189.63	0.53
* 16957.000	399.00	0.0	0.0	1048.00	711.30	717.45	717.45	10.94	1024.96	1072.71	133.52	0.0
16957.000	399.00	0.0	0.0	1048.00	711.30	718.13	0.0	12.13	1049.00	1066.00	86.44	0.68
16983.000	50.00	0.0	0.0	1048.00	711.60	718.39	0.0	9.08	1023.98	1074.33	164.78	0.0
16983.000	50.00	0.0	0.0	1048.00	711.60	719.54	0.0	9.95	1049.00	1066.00	105.29	1.16
17057.000	50.00	0.0	0.0	1048.00	711.90	719.10	0.0	6.54	1258.28	1313.95	160.19	0.0
17057.000	50.00	0.0	0.0	1048.00	711.90	721.16	0.0	3.68	1250.23	1318.03	284.41	2.06
17085.000	28.00	733.90	743.10	1048.00	711.90	719.20	0.0	6.34	1258.11	1314.16	166.13	0.0
17085.000	28.00	733.90	743.10	1048.00	711.90	720.20	0.0	4.68	1256.48	1316.13	223.96	1.00
17094.000	33.00	0.0	0.0	1048.00	712.10	719.26	0.0	8.22	1023.41	1075.28	183.98	0.0
17094.000	33.00	0.0	0.0	1048.00	712.10	720.54	0.0	8.94	1046.53	1066.52	128.08	1.28
* 17127.000	33.00	0.0	0.0	1048.00	712.80	719.54	719.54	8.45	1264.39	1317.43	123.99	0.0
17127.000	33.00	0.0	0.0	1048.00	712.80	721.65	0.0	4.31	1261.09	1321.23	243.00	2.10

A

Limit of Detailed Study

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
17155.000	28.00	732.40	743.60	1048.00	712.80	719.80	0.0	7.62	1263.99	1317.89	137.57	0.0
17155.000	28.00	732.40	743.60	1048.00	712.80	720.80	0.0	5.43	1262.42	1319.69	193.14	1.00
17188.000	33.00	0.0	0.0	1048.00	712.80	720.23	0.0	7.68	1023.00	1075.96	198.17	0.0
17188.000	33.00	0.0	0.0	1048.00	712.80	721.14	0.0	8.80	1044.80	1066.92	135.54	0.91
17221.000	33.00	0.0	0.0	1048.00	712.80	720.41	0.0	7.36	1022.72	1076.42	207.71	0.0
17221.000	33.00	0.0	0.0	1048.00	712.80	721.42	0.0	8.26	1043.71	1067.19	148.00	1.01
17254.000	33.00	0.0	0.0	1048.00	712.90	721.05	0.0	2.94	1175.61	1412.15	618.18	0.0
17254.000	33.00	0.0	0.0	1048.00	712.90	722.43	0.0	3.04	1193.28	1276.42	482.67	1.37
17287.000	33.00	0.0	0.0	1048.00	712.90	721.07	0.0	2.92	1175.41	1412.79	621.38	0.0
17287.000	33.00	0.0	0.0	1048.00	712.90	722.44	0.0	3.04	1193.24	1276.58	483.97	1.37
17321.000	34.00	0.0	0.0	1048.00	712.90	721.11	0.0	2.16	1294.23	1520.00	615.79	0.0
17321.000	34.00	0.0	0.0	1048.00	712.90	722.49	0.0	2.23	1314.03	1406.40	522.77	1.38
17402.000	81.00	721.00	718.80	1048.00	712.90	722.00	0.0	1.59	1280.79	1520.00	822.67	0.0
17402.000	81.00	999999.00	0.0	1048.00	712.90	723.38	0.0	1.60	1308.18	1420.77	708.74	1.38
17452.000	50.00	0.0	0.0	1048.00	714.20	721.95	0.0	3.36	1181.56	1375.78	529.49	0.0
17452.000	50.00	0.0	0.0	1048.00	714.20	723.31	0.0	3.52	1195.09	1267.88	403.36	1.36
17502.000	50.00	0.0	0.0	1048.00	715.50	721.85	0.0	5.64	1200.29	1340.95	295.90	0.0
17502.000	50.00	0.0	0.0	1048.00	715.50	723.06	0.0	6.26	1199.52	1237.38	185.45	1.21
* 21627.000	4125.00	0.0	0.0	505.00	742.90	747.93	747.93	10.50	1068.63	1089.61	57.50	0.0
* 21627.000	4125.00	0.0	0.0	505.00	742.90	747.84	747.84	11.81	1075.00	1085.00	42.75	-0.09
* 21677.000	50.00	0.0	0.0	505.00	745.00	750.04	750.04	10.46	1068.61	1089.63	57.71	0.0
* 21677.000	50.00	0.0	0.0	505.00	745.00	749.95	749.95	11.80	1075.00	1085.00	42.81	-0.10
* 21702.000	25.00	0.0	0.0	505.00	747.10	752.49	752.49	10.40	1360.18	1382.31	56.12	0.0
* 21702.000	25.00	0.0	0.0	505.00	747.10	752.79	752.79	11.88	1366.07	1377.32	44.90	0.30
21801.000	99.00	756.10	750.10	505.00	747.10	757.55	0.0	2.18	1351.75	1614.99	378.90	0.0
21801.000	99.00	999999.00	0.0	505.00	747.10	757.85	0.0	2.92	1363.08	1472.84	240.67	0.30
21826.000	25.00	0.0	0.0	505.00	749.20	757.37	0.0	4.98	1062.76	1095.80	142.29	0.0
21826.000	25.00	0.0	0.0	505.00	749.20	757.54	0.0	6.10	1072.09	1086.46	99.73	0.17
21876.000	50.00	0.0	0.0	505.00	751.30	756.96	0.0	8.80	1067.46	1090.84	71.35	0.0
21876.000	50.00	0.0	0.0	505.00	751.30	757.03	0.0	9.96	1075.00	1085.00	50.70	0.08
* 22624.000	748.00	0.0	0.0	505.00	759.90	763.90	763.90	7.73	1180.15	1266.72	111.58	0.0
22624.000	748.00	0.0	0.0	505.00	759.90	765.39	0.0	7.76	1178.00	1199.47	74.61	1.49
* 22674.000	50.00	0.0	0.0	505.00	760.80	764.77	764.77	7.93	1180.22	1265.53	108.51	0.0
* 22674.000	50.00	0.0	0.0	505.00	760.80	765.54	765.54	10.02	1178.70	1199.01	57.31	0.78
* 22724.000	50.00	0.0	0.0	505.00	761.60	765.47	765.47	7.95	1201.17	1270.28	87.08	0.0
* 22724.000	50.00	0.0	0.0	505.00	761.60	766.26	766.26	10.51	1206.10	1221.54	49.51	0.79
22766.000	42.00	766.60	765.00	505.00	762.50	768.21	0.0	2.36	1190.25	1335.69	271.37	0.0
22766.000	42.00	999999.00	0.0	505.00	762.50	769.01	0.0	2.81	1201.98	1244.16	185.17	0.79

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRIWS	VCH	SSTA	ENDST	AREA	DIFWSP
22816.000	50.00	n.0	0.0	505.00	760.80	768.27	0.0	1.46	1147.74	1332.61	592.50	0.0
22816.000	50.00	n.0	0.0	505.00	760.80	769.12	0.0	1.68	1167.08	1250.05	447.91	0.85
22866.000	50.00	n.0	0.0	505.00	761.70	768.27	0.0	1.96	1159.17	1320.80	437.67	0.0
22866.000	50.00	n.0	0.0	505.00	761.70	769.11	0.0	2.32	1171.15	1236.77	311.94	0.85

SUMMARY OF ERRORS

CAUTION SECNO= 3918.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3918.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3918.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 3918.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3918.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3918.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 4523.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 4523.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 4523.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 4523.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 4523.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 4523.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 7480.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 7480.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 7480.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 7480.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 7480.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 7480.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=11350.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO=11350.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=11350.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=11350.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO=11350.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=11350.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=15980.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO=15980.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY

CAUTION SECNO=16508.000 PROFILE= 1 HYDRAULIC JUMP D.S.

CAUTION SECNO=16957.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO=16957.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY

CAUTION SECNO=17127.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO=17127.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=17127.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=21627.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO=21627.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=21627.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=21627.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO=21627.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=21627.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

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

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		DIFFERENCE
	WIDTH (FT)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	
1030.000	262.	656.	3.7	666.2	665.2	1.0
3524.000	81.	382.	6.2	675.0	674.0	1.0
3918.000	134.	375.	6.4	677.4	676.7	0.7
4168.000	82.	428.	5.6	678.6	677.4	1.2
4273.000	399.	1003.	2.4	678.5	677.5	1.0
4523.000	135.	370.	6.5	679.8	679.1	0.7
5508.000	271.	1595.	1.5	681.8	680.6	1.2
5608.000	48.	312.	7.6	681.3	679.6	1.7
5633.000	48.	285.	8.3	680.7	679.7	1.0
5733.000	259.	1591.	1.5	682.3	681.5	0.8
7480.000	110.	320.	7.2	686.7	685.7	1.0
9680.000	225.	856.	2.3	694.1	693.2	0.9
11350.000	44.	167.	10.8	698.7	698.5	0.2
13119.000	33.	338.	5.0	705.3	703.4	1.9
13219.000	20.	220.	7.7	705.0	703.3	1.7
13263.000	25.	292.	5.8	706.5	704.8	1.7
13363.000	32.	277.	6.1	706.7	704.8	1.9
1.000	26.	156.	6.7	709.8	709.0	0.8
15830.000	26.	138.	7.6	713.9	713.3	0.6
15980.000	26.	128.	8.2	714.6	714.2	0.4
16030.000	41.	164.	6.4	715.1	714.9	0.2
16081.000	42.	165.	6.3	715.1	714.9	0.2
16220.000	26.	133.	7.9	715.4	714.9	0.5
16359.000	27.	133.	7.9	716.0	715.4	0.6
16508.000	122.	251.	4.2	716.6	715.6	1.0
16558.000	67.	190.	5.5	716.5	716.0	0.5
16957.000	17.	86.	12.1	718.1	717.4	0.7
16983.000	17.	105.	10.0	719.6	718.4	1.2
17057.000	68.	284.	3.7	721.2	719.1	2.1
17085.000	60.	224.	4.7	720.2	719.2	1.0
17094.000	20.	128.	8.2	720.6	719.3	1.3
17127.000	60.	243.	4.3	721.6	719.5	2.1
17155.000	57.	193.	5.4	720.8	719.8	1.0
17188.000	22.	136.	7.7	721.1	720.2	0.9
17221.000	23.	148.	7.1	721.4	720.4	1.0
17254.000	83.	483.	2.2	722.5	721.1	1.4
17287.000	83.	484.	2.2	722.5	721.1	1.4
17321.000	92.	523.	2.0	722.5	721.1	1.4
17402.000	113.	709.	1.5	723.4	722.0	1.4
17452.000	73.	403.	2.6	723.4	722.0	1.4
17502.000	38.	185.	5.7	723.0	721.8	1.2
21627.000	10.	43.	11.8	747.9	747.9	0.0
21677.000	10.	43.	11.8	750.0	750.0	0.0
21702.000	11.	45.	11.2	752.8	752.5	0.3
21801.000	110.	241.	2.1	757.8	757.5	0.3
21826.000	14.	100.	5.1	757.6	757.4	0.2
21876.000	10.	51.	10.0	757.1	757.0	0.1
22624.000	21.	75.	6.8	765.4	763.9	1.5
22674.000	20.	57.	8.8	765.6	764.3	0.8
22724.000	15.	50.	10.2	766.3	765.5	0.8

FLOODWAY STA. 100 YEAR FLOOD WATER SUR
 PROFILE NO. 2

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		
	WIDTH (FT)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
22766.000	42.	185.	2.7	769.0	768.2	0.8
22816.000	83.	448.	1.1	769.2	768.3	0.9
22866.000	66.	312.	1.6	769.1	768.3	0.8