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

T1 SALISBURY-ROWAN CO. BASIN E STRM B-55AL MAPLE AVENUE BRANCH
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6018
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	ING	MINV	IOIR	STRT	METRIC	HVINS	Q	WSEL	FR
	-1.	2.	0.	0.	0.003000	0.0	0.0	0.	678,200	0.0

J2	MPROF	IPLOT	PREVS	XSECV	XSECH	FI	ALLDC	IRW	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
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54.000	25.000	50.000	0.0	201.000	0.0	0.0	0.0	0.0	0.0
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J5 LPRNT DU/SEC *****REQUESTED SECTION NUMBERS*****

	-10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IC	0.055	0.055	0.035	0.100	0.300	0.0	0.0	0.0	0.0	0.0
OT	5.000	432.000	791.000	974.000	1416.000	974.000	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	200.000	13.000	1246.000	1200.000	200.000	200.000	200.000	0.0	-0.600	0.0
GR	691.600	1000.000	681.400	1100.000	677.000	1132.000	676.900	1200.000	676.700	1246.000
GR	673.300	1243.000	673.200	1251.000	673.500	1256.000	676.500	1260.000	676.800	1300.000
SK	678.300	1400.000	689.400	1500.000	692.700	1541.000	0.0	0.0	0.0	0.0

X1	250.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.100	0.0
IC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	300.000	26.000	2192.500	2199.500	50.000	50.000	50.000	0.0	0.0	0.0
GR	700.000	1000.000	693.800	1200.000	688.500	1400.000	685.900	1600.000	684.900	1800.000
GR	693.600	2000.000	683.600	2035.000	682.700	2040.000	677.600	2064.000	676.900	2137.000
GR	676.300	2192.500	674.500	2153.000	673.500	2194.000	673.000	2195.000	672.800	2196.000
GR	673.000	2197.000	673.500	2198.000	674.500	2199.000	676.300	2199.500	677.400	2209.000
GR	679.100	2337.000	686.600	2553.000	686.800	2560.000	687.100	2600.000	689.200	2900.000
GR	689.200	3100.000	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	7.000	0.010	18.500	0.0	0.0	0.0

X1	365.000	0.0	0.0	0.0	65.000	65.000	65.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	672.500	683.600	0.0	0.0	0.0	0.0	0.0
BT	21.000	1000.000	700.000	0.0	1200.000	693.800	0.0	1400.000	688.500	0.0
BT	1600.000	685.900	0.0	1800.000	684.900	0.0	2000.000	685.900	0.0	2100.000

BT	683,600	0.0	2192,500	684,000	676,300	2193,000	684,000	678,100	2194,000	684,000
BT	679,100	2195,000	684,000	679,600	2196,000	684,000	679,800	2197,000	684,000	679,600
BT	2198,000	684,000	679,100	2199,000	684,000	678,100	2199,500	684,000	676,300	2300,000
BT	604,400	0.0	2500,000	686,200	0.0	2600,000	687,100	0.0	2900,000	689,200
BT	0.0	3100,000	689,200	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	415,000	13,000	1246,000	1260,000	50,000	50,000	50,000	0.0	-0.300	0.0
GR	691,600	1000,000	681,400	1100,000	677,000	1132,000	676,900	1200,000	676,700	1246,000
GR	673,300	1248,000	673,200	1251,000	673,500	1256,000	676,500	1260,000	676,800	1300,000
GR	678,300	1400,000	689,400	1500,000	692,700	1541,000	0.0	0.0	0.0	0.0

X1	515,000	0.0	0.0	0.0	100,000	100,000	100,000	0.0	0.300	0.0
QT	5,000	387,000	710,000	876,000	1280,000	876,000	0.0	0.0	0.0	0.0

X1	1474,000	13,000	1235,000	1254,000	959,000	959,000	959,000	0.0	0.0	0.0
GR	698,900	1000,000	691,900	1028,000	690,800	1100,000	683,100	1194,000	682,500	1235,000
GR	677,300	1241,000	677,200	1247,000	682,500	1254,000	682,100	1300,000	683,500	1400,000
GR	686,700	1500,000	694,800	1600,000	698,900	1649,000	0.0	0.0	0.0	0.0
QT	5,000	387,000	710,000	876,000	1280,000	876,000	0.0	0.0	0.0	0.0

X1	1599,000	0.0	0.0	0.0	125,000	125,000	125,000	0.0	0.900	0.0
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X1	1724,000	0.0	0.0	0.0	125,000	125,000	125,000	0.0	0.600	0.0
JC	0,025	0,025	0,025	0,100	0,300	0,0	0,0	0,0	0,0	0,0

X1	1774,000	22,000	1305,000	1311,000	50,000	50,000	50,000	0.0	0.0	0.0
GR	701,700	1000,000	690,400	1100,000	686,600	1200,000	685,900	1242,000	684,900	1258,000
GR	684,300	1299,000	682,000	1305,000	680,500	1305,400	679,800	1306,000	679,200	1307,000
GR	679,000	1308,000	679,200	1309,000	679,800	1310,000	680,500	1310,600	682,000	1311,000
GR	684,300	1318,000	683,900	1364,000	685,300	1464,000	688,500	1564,000	676,600	1664,000
GR	699,000	1700,000	702,100	1749,000	0.0	0.0	0.0	0.0	0.0	0.0
GR	0,200	1,500	2,500	0.0	6,000	0,010	20,000	0.0	0.0	0.0

X1	1817,000	0.0	0.0	0.0	43,000	43,000	43,000	0.0	0.0	0.0
X2	0.0	0.0	1,000	665,000	665,900	0.0	0.0	0.0	0.0	0.0
BT	15,000	1000,000	701,700	0.0	1100,000	690,400	0.0	1242,000	685,900	0.0
BT	1300,000	686,400	0.0	1305,000	686,400	682,000	1305,400	686,400	683,500	1306,000
BT	686,400	684,200	1507,000	686,400	684,800	1308,000	686,400	685,000	1509,000	686,400
BT	684,800	1310,000	686,400	684,200	1310,600	686,400	683,500	1311,000	686,400	682,000
BT	1400,000	688,300	0.0	1500,000	690,400	0.0	1600,000	693,600	0.0	1700,000
BT	699,000	0.0	1749,000	702,100	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	1867,000	13,000	1363,000	1369,000	50,000	50,000	50,000	0.0	-1,700	0.0
GR	704,200	1000,000	694,900	1023,000	688,600	1100,000	686,800	1300,000	685,900	1363,000
GR	691,400	1365,000	691,400	1366,000	685,800	1369,000	683,100	1400,000	695,200	1500,000
GR	697,900	1600,000	703,300	1700,000	704,200	1719,000	0.0	0.0	0.0	0.0

X1	1992,000	0.0	0.0	0.0	125,000	125,000	125,000	0.0	1,700	0.0
QT	5,000	383,000	700,000	863,000	1259,000	863,000	0.0	0.0	0.0	0.0

X1	2723,000	10,000	1194,000	1191,000	731,000	731,000	731,000	0.0	-2,000	0.0
GR	710,600	1000,000	699,700	1100,000	695,600	1194,000	692,100	1187,000	692,100	1188,000
GR	692,100	1189,000	695,400	1191,000	700,500	1300,000	703,800	1400,000	710,600	1477,000

BT	683.600	0.0	2192.500	684.000	676.300	2193.000	684.000	678.100	2194.000	684.000
BT	679.100	2195.000	684.000	679.600	679.000	684.000	679.800	2197.000	684.000	679.600
BT	2198.000	684.000	679.100	2199.000	684.000	678.100	2199.500	684.000	676.300	2300.000
BT	684.400	0.0	2500.000	606.200	0.0	2600.000	687.100	0.0	2900.000	689.200
BT	0.0	3100.000	689.200	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	415.000	13.000	1245.000	1260.000	50.000	50.000	50.000	0.0	-0.300	0.0
GR	691.600	1000.000	681.400	1100.000	677.000	1132.000	676.900	1200.000	676.700	1246.000
GR	673.300	1248.000	673.200	1251.000	673.500	1256.000	676.500	1260.000	676.800	1300.000
GR	678.300	1400.000	689.400	1500.000	692.700	1541.000	0.0	0.0	0.0	0.0

X1	515.000	0.0	0.0	0.0	100.000	100.000	100.000	0.0	0.300	0.0
BT	5.000	387.000	710.000	876.000	1280.000	876.000	0.0	0.0	0.0	0.0

X1	1474.000	13.000	1235.000	1254.000	959.000	959.000	959.000	0.0	0.0	0.0
GR	698.900	1000.000	691.900	1028.000	690.800	1100.000	683.100	1124.000	682.500	1235.000
GR	677.300	1241.000	677.200	1247.000	682.500	1254.000	682.100	1300.000	683.500	1400.000
GR	686.700	1500.000	694.800	1600.000	698.900	1649.000	0.0	0.0	0.0	0.0
BT	5.000	387.000	710.000	876.000	1280.000	876.000	0.0	0.0	0.0	0.0

X1	1599.000	0.0	0.0	0.0	125.000	125.000	125.000	0.0	0.900	0.0
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X1	1724.000	0.0	0.0	0.0	125.000	125.000	125.000	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	1774.000	22.000	1305.000	1311.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	701.700	1000.000	690.400	1100.000	686.600	1200.000	685.900	1242.000	684.900	1258.000
GR	681.500	1299.000	682.000	1305.000	680.500	1305.400	679.800	1306.000	679.200	1307.000
GR	679.000	1308.000	679.200	1309.000	679.800	1310.000	680.500	1310.600	682.000	1311.000
GR	684.300	1318.000	683.900	1364.000	685.300	1464.000	688.500	1564.000	696.600	1664.000
GR	699.000	1700.000	702.100	1749.000	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.200	1.500	2.500	0.0	6.000	0.010	28.000	0.0	0.0	0.0

X1	1817.000	0.0	0.0	0.0	43.000	43.000	43.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	685.000	685.200	0.0	0.0	0.0	0.0	0.0
BT	15.000	1000.000	701.700	0.0	1100.000	690.400	0.0	1242.000	685.900	0.0
BT	1300.000	686.300	0.0	1305.000	686.400	682.000	1305.400	686.400	683.500	1306.000
BT	686.400	684.200	1307.000	686.400	684.800	1308.000	686.400	685.000	1309.000	686.400
BT	688.800	1310.000	686.400	684.200	1310.600	686.400	683.500	1311.000	686.400	682.000
BT	1400.000	688.300	0.0	1500.000	690.400	0.0	1600.000	693.600	0.0	1700.000
BT	699.000	0.0	1749.000	702.100	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	1867.000	13.000	1363.000	1369.000	50.000	50.000	50.000	0.0	-1.700	0.0
GR	704.200	1000.000	699.900	1023.000	688.600	1100.000	686.800	1300.000	685.900	1303.000
GR	681.400	1365.000	681.400	1366.000	685.800	1369.000	683.100	1400.000	685.200	1500.000
GR	697.900	1500.000	703.300	1700.000	704.200	1719.000	0.0	0.0	0.0	0.0

X1	1952.000	0.0	0.0	0.0	125.000	125.000	125.000	0.0	1.700	0.0
BT	5.000	383.000	700.000	863.000	1259.000	863.000	0.0	0.0	0.0	0.0

X1	2723.000	10.000	1184.000	1191.000	731.000	731.000	731.000	0.0	-2.000	0.0
GR	710.600	1000.000	699.700	1100.000	695.600	1184.000	692.100	1187.000	692.100	1180.000
GR	692.100	1189.000	695.400	1191.000	700.500	1300.000	703.800	1400.000	710.600	1477.000

X1	2823.000	0.0	0.0	0.0	100.000	100.000	100.000	0.0	0.500	0.0
NC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	2873.000	15.000	1310.000	1314.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	713.700	1000.000	707.900	1100.000	703.600	1180.000	698.900	1224.000	694.800	1308.000
GR	692.300	1310.000	691.300	1310.000	691.300	1314.000	692.300	1314.000	694.600	1315.000
GR	698.300	1400.000	700.000	1500.000	703.900	1600.000	710.800	1700.000	715.000	1767.000
SB	0.900	1.500	2.500	0.0	4.000	0.010	17.000	0.0	0.0	0.0

X1	2928.000	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	695.800	698.300	0.0	0.0	0.0	0.0	0.0
BT	12.000	1000.000	713.700	0.0	1100.000	707.900	0.0	1200.000	702.400	0.0
BT	1300.000	699.200	0.0	1310.000	699.000	695.300	1312.000	699.000	695.800	1314.000
BT	699.000	695.300	1400.000	698.300	0.0	1500.000	700.000	0.0	1600.000	703.900
BT	0.0	1700.000	710.800	0.0	1767.000	715.000	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	2978.000	10.000	1184.000	1191.000	50.000	50.000	50.000	0.0	0.500	0.0
GR	710.600	1000.000	699.700	1100.000	695.600	1184.000	692.100	1187.000	692.100	1188.000
GR	692.100	1189.000	695.400	1191.000	700.500	1300.000	703.800	1400.000	710.600	1477.000

X1	3078.000	0.0	0.0	0.0	100.000	100.000	100.000	0.0	0.500	0.0
BT	5.000	227.000	438.000	554.000	844.000	554.000	0.0	0.0	0.0	0.0

X1	3560.000	12.000	1393.000	1406.000	482.000	482.000	482.000	0.0	0.0	0.0
GR	719.100	1000.000	711.700	1100.000	709.400	1200.000	708.200	1300.000	706.800	1383.000
GR	698.500	1390.000	698.400	1396.000	699.100	1402.000	705.100	1406.000	710.600	1500.000
GR	715.100	1600.000	719.100	1680.000	0.0	0.0	0.0	0.0	0.0	0.0

X1	3610.000	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	3660.000	14.000	1394.000	1398.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	720.200	1000.000	712.800	1100.000	710.500	1200.000	709.300	1300.000	707.900	1383.000
GR	700.500	1394.000	699.500	1394.000	699.500	1398.000	700.500	1398.000	700.200	1402.000
GR	706.200	1406.000	711.700	1500.000	716.200	1600.000	720.200	1680.000	0.0	0.0
SP	0.900	2.300	2.500	0.0	3.500	0.010	9.600	0.0	0.0	0.0

X1	4919.000	16.000	1200.300	1203.800	1259.000	1259.000	1259.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	721.500	722.000	0.0	0.0	0.0	0.0	0.0
BT	14.000	1000.000	736.100	0.0	1019.000	726.500	0.0	1100.000	726.400	0.0
BT	1200.000	722.200	0.0	1200.300	722.000	719.800	1200.600	722.000	720.600	1201.000
BT	722.000	721.200	1202.000	722.000	721.500	1203.000	722.000	721.200	1203.500	722.000
BT	720.600	1203.900	722.000	719.800	1300.000	727.900	0.0	1400.000	735.500	0.0
BT	1410.000	736.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GR	736.100	1000.000	726.300	1019.000	725.600	1077.000	722.700	1177.000	722.100	1194.000
GR	713.600	1200.300	718.900	1200.600	718.300	1201.000	718.000	1202.000	718.300	1203.000
GR	716.900	1203.900	719.800	1203.800	722.300	1208.000	723.100	1235.000	726.600	1277.000
GR	727.900	1300.000	735.500	1400.000	736.100	1410.000	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	4969.000	13.000	1217.000	1231.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	737.300	1000.000	725.500	1026.000	725.600	1100.000	722.700	1200.000	722.100	1217.000
GR	718.100	1223.000	718.100	1225.000	718.000	1227.000	722.300	1231.000	723.100	1258.000
GR	726.600	1300.000	732.900	1400.000	737.300	1462.000	0.0	0.0	0.0	0.0

MADE IN U.S.A.

X1	5019.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.100	0.0
EJ	0.0	0.0	0.0	0.0	0.0	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 SALISBURY-ROWAN CO. BASIN E STRM B-5SAL
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6918
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FC
	-10.	4.	0.	0.	0.003000	0.0	0.0	0.	681.200	0.0
J2	NPROF	IPLT	PREVS	XSECV	XSECH	FN	ALLOC	IBW	CHNIM	ITRACE
	15.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

MADE IN U.S.A.

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

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

10 YEAR FLOOD WATER SURF

SUMMARY PRINTOUT

SECHO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CR1WS	VCH	SSTA	ENDST	AREA	DIFWSP
200.000	200.00	0.0	0.0	432.00	672.60	677.04	0.0	4.85	1127.32	1356.27	201.52	0.0
200.000	200.00	0.0	0.0	974.00	672.60	677.85	0.0	5.45	1121.48	1401.32	408.55	0.80
250.000	50.00	0.0	0.0	432.00	672.70	677.23	0.0	4.46	1126.70	1361.98	221.42	0.0
250.000	50.00	0.0	0.0	974.00	672.70	678.01	0.0	5.24	1121.10	1401.80	423.34	0.78
* 300.000	50.00	0.0	0.0	432.00	672.80	677.85	677.85	6.50	2062.84	2242.60	126.53	0.0
+ 300.000	50.00	0.0	0.0	974.00	672.80	678.30	678.30	8.07	2060.70	2276.89	216.67	0.46
* 365.000	65.00	683.60	679.80	432.00	672.80	677.94	0.0	5.69	2062.41	2249.55	143.46	0.0
365.000	65.00	683.60	679.80	974.00	672.80	678.30	0.0	8.06	2060.69	2276.98	216.94	0.36
415.000	50.00	0.0	0.0	432.00	672.90	678.22	0.0	2.29	1120.93	1402.01	429.80	0.0
415.000	50.00	0.0	0.0	974.00	672.90	678.81	0.0	3.33	1116.66	1407.29	597.47	0.58
515.000	100.00	0.0	0.0	432.00	673.20	678.27	0.0	2.78	1122.76	1398.09	359.72	0.0
515.000	100.00	0.0	0.0	974.00	673.20	678.91	0.0	3.97	1118.11	1405.49	539.77	0.64
* 1474.000	959.00	0.0	0.0	387.00	677.20	681.10	681.10	9.34	1236.62	1252.15	41.41	0.0
+ 1474.000	959.00	0.0	0.0	876.00	677.20	683.47	683.47	7.33	1189.48	1397.84	233.22	2.37
1599.000	125.00	0.0	0.0	387.00	678.10	683.84	0.0	6.56	1235.41	1302.98	59.16	0.0
+ 1599.000	125.00	0.0	0.0	876.00	678.10	684.36	684.36	7.35	1189.54	1397.51	232.26	1.32
* 1724.000	125.00	0.0	0.0	387.00	678.70	683.85	682.59	6.10	1235.17	1318.19	68.96	0.0
1724.000	125.00	0.0	0.0	876.00	678.70	685.09	0.0	6.75	1188.91	1402.81	268.69	1.23
* A 1774.000	50.00	0.0	0.0	387.00	679.00	684.75	684.75	6.38	1265.31	1424.66	113.41	0.0
1774.000	50.00	0.0	0.0	876.00	679.00	685.47	0.0	6.48	1248.92	1469.24	252.84	0.72
* B 1817.000	43.00	685.90	685.00	387.00	679.00	686.81	0.0	0.99	1191.26	1511.43	611.15	0.0
1817.000	43.00	685.90	685.00	876.00	679.00	687.78	0.0	1.34	1158.04	1541.62	944.47	0.97
1867.000	50.00	0.0	0.0	387.00	679.70	686.81	0.0	1.18	1109.63	1444.78	578.01	0.0
1867.000	50.00	0.0	0.0	876.00	679.70	687.78	0.0	1.61	1089.23	1452.74	919.84	0.97
* C 1992.000	125.00	0.0	0.0	387.00	681.40	686.82	0.0	3.26	1297.56	1430.76	181.96	0.0
1992.000	125.00	0.0	0.0	876.00	681.40	687.79	0.0	3.99	1188.62	1438.86	369.94	0.93

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRINS	VCH	SSTA	ENDST	AREA	DIFWSP
* D 2723.000	731.00	0.0	0.0	383.00	690.10	695.32	695.32	7.68	1148.67	1232.13	98.07	0.0
* 2723.000	731.00	0.0	0.0	863.00	690.10	696.21	696.21	9.70	1130.49	1251.09	188.59	0.89
2823.000	100.00	0.0	0.0	383.00	690.60	696.24	0.0	5.81	1140.25	1240.91	135.92	0.0
2823.000	100.00	0.0	0.0	863.00	690.60	697.31	0.0	6.98	1118.49	1263.61	266.43	1.07
* E 2873.000	50.00	0.0	0.0	383.00	691.30	696.25	696.25	8.28	1277.53	1353.76	83.60	0.0
2873.000	50.00	0.0	0.0	863.00	691.30	697.42	0.0	7.85	1250.33	1379.78	197.82	1.13
F 2928.000	55.00	698.30	695.80	383.00	691.30	699.34	0.0	1.12	1219.81	1461.58	538.86	0.0
2928.000	55.00	698.30	695.80	863.00	691.30	700.10	0.0	1.77	1212.78	1502.52	739.70	0.76
2978.000	50.00	0.0	0.0	383.00	691.60	699.33	0.0	1.87	1098.76	1285.79	439.51	0.0
2978.000	50.00	0.0	0.0	863.00	691.60	700.09	0.0	3.02	1091.84	1302.71	589.32	0.75
G 3078.000	100.00	0.0	0.0	383.00	692.10	699.36	0.0	2.34	1187.05	1275.54	353.96	0.0
3078.000	100.00	0.0	0.0	863.00	692.10	700.15	0.0	3.65	1095.07	1292.51	499.78	0.79
* H 3560.000	482.00	0.0	0.0	227.00	698.40	700.74	700.74	7.91	1388.11	1403.09	28.71	0.0
* 3560.000	482.00	0.0	0.0	554.00	698.40	702.33	702.33	10.18	1386.77	1404.15	54.45	1.59
3610.000	50.00	0.0	0.0	227.00	699.00	701.71	0.0	6.60	1387.80	1403.34	34.38	0.0
3610.000	50.00	0.0	0.0	554.00	699.00	703.43	0.0	8.75	1386.35	1404.49	63.32	1.72
* I 3660.000	50.00	0.0	0.0	227.00	699.50	702.69	702.69	8.83	1390.75	1403.66	27.73	0.0
* 3660.000	50.00	0.0	0.0	554.00	699.50	704.55	704.55	10.96	1387.97	1404.90	55.56	1.87
* J 4919.000	1259.00	722.00	721.50	227.00	718.00	723.03	0.0	5.96	1165.76	1232.50	58.69	0.0
4919.000	1259.00	722.00	721.50	554.00	718.00	724.28	0.0	4.91	1122.39	1249.20	181.35	1.25
4969.000	50.00	0.0	0.0	227.00	718.00	723.27	0.0	3.77	1188.40	1260.02	88.11	0.0
4969.000	50.00	0.0	0.0	554.00	718.00	724.28	0.0	5.28	1145.42	1272.20	142.80	1.01
K 5019.000	50.00	0.0	0.0	227.00	718.10	723.35	0.0	3.78	1180.54	1259.97	87.80	0.0
5019.000	50.00	0.0	0.0	554.00	718.10	724.42	0.0	5.19	1144.36	1272.56	196.72	1.06

SUMMARY OF ERRORS

- CAUTION SECNO= 300.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 300.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 300.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
- CAUTION SECNO= 300.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 300.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 300.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
- CAUTION SECNO= 365.000 PROFILE= 1 HYDRAULIC JUMP D.S.
- CAUTION SECNO= 1474.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 1474.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 1474.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
- CAUTION SECNO= 1474.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 1474.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 1474.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
- CAUTION SECNO= 1599.000 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
200.000	0.	677.0	677.8	0.0
250.000	50.	672.4	673.2	*****
300.000	100.	427.8	428.3	*****
365.000	165.	0.7	1.1	*****
415.000	215.	678.2	678.8	0.0
515.000	315.	246.3	246.9	240.8
1474.000	1274.	*****	*****	*****
1599.000	1399.	-0.6	0.0	-3.8
1724.000	1524.	678.2	679.4	*****
1774.000	1574.	269.7	270.5	*****
1817.000	1617.	8.6	9.6	*****
1867.000	1667.	686.8	687.8	0.0
1992.000	1792.	254.8	255.8	241.2
2723.000	2523.	*****	*****	*****
2823.000	2623.	696.2	697.3	0.0
2873.000	2673.	686.9	688.1	*****
2928.000	2728.	*****	*****	*****
2978.000	2778.	16.3	17.0	*****
3078.000	2878.	699.4	700.1	0.0
3560.000	3360.	313.7	315.3	291.7
3610.000	3410.	*****	*****	*****
3660.000	3460.	702.7	704.6	0.0
4919.000	4719.	716.6	717.9	*****
4969.000	4769.	*****	*****	*****
5019.000	4819.	36.5	37.6	*****

WEIGHTED AVG FOR REACH		****	****	****

FHF FOR THE REACH = 005 WITH 0.00 OF THE REACH WITHIN 0.5 FEET
 ZONE FOR THE REACH = A 1

CONTINUOUS FLOOD HAZARD FACTORS BY EVEN INCREMENTS

INC NO.	TOTAL LENGTH	AVG ELEVATION DATA			WTD. AVG.	FHF	PERCENT WITHIN
		10C	1C	DIFF.			
1	0.				SEC.	200.000	100.
	100.	677.2	4.9	672.4	672.4	005	
	50.				SEC.	250.000	
	100.				SEC.	300.000	
2	165.				SEC.	365.000	0.
	200.	678.0	440.2	237.8	455.1	005	
3	215.				SEC.	415.000	0.
	300.	678.2	285.2	393.0	434.4	005	

	315.				SEC.	515.000	
4	400.	678.4	479.8	198.6	375.4	005	0.
5	500.	678.7	686.9	-8.2	298.7	005	0.
6	600.	679.0	875.7	-196.7	216.1	005	0.
7	700.	679.3	1064.5	-385.2	130.2	005	0.
8	800.	679.6	1253.3	-573.7	42.2	005	0.
9	900.	679.8	1442.1	-762.2	-47.2	200	0.
10	1000.	680.1	1630.9	-950.7	*****	200	0.
11	1100.	680.4	1819.7	*****	*****	200	0.
12	1200.	680.7	2008.5	*****	*****	200	0.
	1274.				SEC.	1474.000	
13	1300.	681.2	2010.6	*****	*****	200	0.
	1399.				SEC.	1599.000	
14	1400.	682.3	1298.3	-616.0	*****	200	0.
15	1500.	683.4	407.0	276.4	*****	200	0.
	1524.				SEC.	1724.000	
	1574.				SEC.	1774.000	
16	1600.	685.4	494.6	190.8	*****	200	0.
	1617.				SEC.	1817.000	
	1667.				SEC.	1867.000	
17	1700.	686.8	57.0	629.8	*****	200	0.
	1792.				SEC.	1992.000	
18	1800.	686.9	278.3	408.6	*****	200	0.
19	1900.	687.5	508.7	178.8	*****	200	0.
20	2000.	688.7	640.8	47.8	*****	200	0.
21	2100.	689.8	773.0	-83.2	*****	200	5.
22	2200.	691.0	905.1	-214.2	*****	200	5.
23	2300.	692.1	1037.3	-345.1	*****	200	0.
24	2400.	693.3	1169.5	-476.1	*****	200	4.
25	2500.	694.5	1301.6	-607.1	*****	200	0.
	2523.				SEC.	2723.000	
26	2600.	695.5	644.6	-149.1	*****	200	0.
	2623.				SEC.	2823.000	
	2673.				SEC.	2873.000	
27	2700.	697.0	399.5	297.5	*****	200	0.
	2728.				SEC.	2928.000	
	2778.				SEC.	2978.000	
28	2800.	699.3	607.9	91.4	*****	200	4.
	2878.				SEC.	3078.000	
29	2900.	699.4	275.2	428.2	*****	200	0.
30	3000.	699.5	57.8	641.8	*****	200	3.
31	3100.	699.9	138.1	561.8	*****	200	0.
32	3200.	700.1	218.4	481.7	*****	200	0.
33	3300.	700.4	298.7	401.7	-91.8	200	0.
	3360.				SEC.	3560.000	
34	3400.	701.0	735.4	-34.3	-90.1	200	0.
	3410.				SEC.	3610.000	
	3460.				SEC.	3660.000	
35	3500.	703.0	0.1	702.9	-67.5	200	0.
36	3600.	704.1	0.5	703.7	-46.0	200	0.
37	3700.	705.8	1.0	704.8	-25.8	200	0.
38	3800.	707.4	1.9	705.9	-6.5	065	0.
39	3900.	709.0	2.0	707.0	11.8	005	0.
40	4000.	710.3	2.5	708.1	29.2	005	0.
41	4100.	712.2	3.0	709.2	45.8	005	0.
42	4200.	713.6	3.5	710.3	61.6	005	0.
43	4300.	715.4	4.0	711.4	76.7	005	0.
44	4400.	717.1	4.5	712.6	91.2	005	2.
45	4500.	718.7	5.0	713.7	105.0	005	0.
46	4600.	720.3	5.5	714.8	119.3	005	0.
47	4700.	721.9	6.0	715.9	131.0	005	0.
	4719.				SEC.	4919.000	
	4769.				SEC.	4969.000	
48	4800.	723.3	1466.6	-743.3	112.8	005	0.
	4819.				SEC.	5019.000	

MADE IN U.S.A.

THIS REACH CAN BE SUBDIVIDED BY INC NO. TO MEET FIA REQUIREMENTS
INPUT 20N WHERE N IS THE NUMBER OF REACHES AND THEN INPUT THE END
OF EACH REACH BY INC NO. FOR EXAMPLE 202 1 48
A NEGATIVE INC NO. WILL SUPPRESS INTERMEDIATE INC OUTPUT.

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MADE IN U.S.A.

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