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

T1 SALISBURY-ROWAN CO. STREAM 2-18SAL TAR BRANCH
 T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6916
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1 ICHECK INQ NINV IDIR STRT METRIC HVINS Q WSEL FD
 -1. 2. 0. 0. 0.017000 0.0 0.0 0. 695.700 0.0

J2 NPROF IPLOT PREVS XSECV XSECH FN ALLOC IBW CHNIM ITRAGE
 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

J5 LPRINT NUMSEC *****REQUESTED SECTION NUMBERS*****

-10.000 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
 NC 0.055 0.055 0.035 0.100 0.300 0.0 0.0 0.0 0.0 0.0
 JT 5.000 321.000 602.000 751.000 1117.000 751.000 0.0 0.0 0.0 0.0
 ET 5.000 0.0 0.0 0.0 0.0 0.0 -10.400 0.0 0.0 0.0

X1 415.000 30.000 1052.000 1064.000 415.000 415.000 415.000 0.0 0.0 0.0
 GR 710.700 1000.000 704.700 1100.000 703.200 1200.000 702.600 1300.000 703.400 1400.000
 GR 703.500 1500.000 703.200 1533.000 703.200 1600.000 701.000 1700.000 698.200 1800.000
 GR 695.000 1852.000 690.900 1853.000 690.700 1858.000 690.900 1853.000 695.000 1864.000
 GR 695.900 1900.000 697.200 2000.000 697.300 2100.000 697.500 2200.000 701.300 2254.70
 GR 706.100 2300.000 704.000 2400.000 703.600 2500.000 704.400 2600.000 705.300 2700.000
 GR 706.100 2800.000 706.700 2900.000 707.300 3000.000 708.600 3100.000 710.000 3200.000

X1 465.000 0.0 0.0 0.0 50.000 50.000 50.000 0.0 0.400 0.0
 NC 0.025 0.025 0.025 0.100 0.300 0.0 0.0 0.0 0.0 0.0

X1 515.000 31.000 1056.500 1059.500 50.000 50.000 50.000 0.0 0.0 0.0
 GR 710.700 1000.000 704.700 1100.000 703.200 1200.000 702.600 1300.000 703.400 1400.000
 GR 703.500 1500.000 703.200 1600.000 701.000 1700.000 698.200 1800.000 695.000 1852.000
 GR 695.100 1856.500 693.000 1857.000 692.600 1858.000 693.000 1859.000 694.100 1859.500
 GR 695.000 1864.000 696.900 1900.000 697.200 2000.000 697.300 2100.000 697.500 2200.000
 GR 701.300 2254.000 706.100 2300.000 704.000 2400.000 703.600 2500.000 704.400 2600.000
 GR 705.300 2700.000 706.100 2800.000 706.900 2900.000 707.300 3000.000 708.600 3100.000
 GR 710.000 3200.000 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	528.000	0.0	0.0	0.0	13.000	13.000	13.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	695.600	696.600	0.0	0.0	0.0	0.0	0.0
BT	28.000	1000.000	710.700	0.0	1100.000	704.700	0.0	1200.000	703.200	0.0
BT	1300.000	702.600	0.0	1400.000	703.400	0.0	1500.000	703.500	0.0	1600.000
BT	703.200	0.0	1700.000	701.000	0.0	1800.000	698.200	0.0	1856.500	696.600
BT	694.100	1857.000	696.600	695.200	1858.000	696.600	695.600	1859.000	696.600	695.200
BT	1859.500	696.600	694.100	1900.000	696.900	0.0	2000.000	697.200	0.0	2100.000
BT	697.300	0.0	2200.000	697.500	0.0	2300.000	706.100	0.0	2400.000	704.000
BT	0.0	2500.000	703.600	0.0	2600.000	704.400	0.0	2700.000	705.300	0.0
BT	2800.000	706.100	0.0	2900.000	706.900	0.0	3000.000	707.300	0.0	3100.000
BT	708.600	0.0	3200.000	710.000	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.055	0.055	0.035	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	578.000	30.000	1452.000	1464.000	50.000	50.000	50.000	0.0	2.300	0.0
GR	710.700	1000.000	704.700	1100.000	703.200	1200.000	702.600	1300.000	703.400	1400.000
GR	703.500	1500.000	703.100	1533.000	703.200	1600.000	701.000	1700.000	698.200	1800.000
GR	695.000	1852.000	690.900	1853.000	690.700	1858.000	690.900	1863.000	695.000	1864.000
GR	696.900	1900.000	697.300	2000.000	697.300	2100.000	697.500	2200.000	701.300	2254.000
GR	705.100	2300.000	704.000	2400.000	703.600	2500.000	704.400	2600.000	705.300	2700.000
GR	706.100	2800.000	706.900	2900.000	707.300	3000.000	708.600	3100.000	710.000	3200.000

X1	628.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.400	0.0
QT	5.000	299.000	563.000	703.000	1049.000	703.000	0.0	0.0	0.0	0.0

X1	1715.000	16.000	1748.000	1769.000	1087.000	1087.000	1087.000	0.0	0.0	0.0
GR	717.100	1000.000	713.600	1100.000	712.500	1200.000	710.900	1300.000	709.800	1400.000
GR	709.600	1500.000	710.200	1600.000	704.600	1700.000	702.600	1749.000	701.100	1752.000
GR	699.700	1757.000	701.200	1763.000	702.900	1769.000	706.700	1800.000	715.500	1900.000
GR	717.000	1930.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	278.000	524.000	656.000	982.000	656.000	0.0	0.0	0.0	0.0

X1	2315.000	13.000	1308.000	1331.000	1100.000	1100.000	1100.000	0.0	5.100	0.0
GR	735.200	1000.000	731.300	1077.000	728.200	1088.000	727.500	1100.000	725.800	1200.000
SR	722.200	1300.000	720.200	1308.000	717.500	1312.000	717.100	1314.000	717.600	1321.000
GR	721.100	1331.000	731.300	1400.000	735.200	1460.000	0.0	0.0	0.0	0.0

X1	2865.000	0.0	0.0	0.0	50.000	50.000	50.000	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	2915.000	20.000	1397.800	1404.200	50.000	50.000	50.000	0.0	0.0	0.0
GR	737.700	1000.000	731.800	1100.000	729.300	1164.000	726.200	1175.000	725.500	1187.000
GR	724.800	1287.000	720.200	1307.000	718.200	1395.000	717.000	1397.800	715.100	1397.800
GR	715.100	1404.200	717.000	1404.200	719.100	1418.000	723.500	1447.000	723.300	1500.000
GR	725.100	1600.000	729.200	1700.000	732.900	1800.000	735.300	1900.000	737.800	1946.000
SB	0.900	1.500	2.500	0.0	6.400	0.010	41.600	0.0	0.0	0.0

X1	2965.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	721.600	723.300	0.0	0.0	0.0	0.0	0.0
BT	14.000	1000.000	737.700	0.0	1100.000	731.600	0.0	1164.000	729.300	0.0
BT	1200.000	727.800	0.0	1300.000	725.700	0.0	1397.800	723.700	721.600	1404.200
BT	723.700	721.600	1404.300	723.700	0.0	1500.000	723.300	0.0	1600.000	725.100
BT	0.0	1700.000	729.200	0.0	1800.000	732.900	0.0	1900.000	735.300	0.0
BT	1946.000	737.800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.055	0.055	0.035	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	3015.000	13.000	1308.000	1331.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	735.200	1000.000	731.300	1077.000	728.200	1088.000	727.500	1100.000	725.800	1200.000
GR	722.200	1300.000	720.200	1308.000	717.500	1312.000	717.100	1314.000	717.600	1321.000

GR 721.100 1331.000 731.300 1400.000 735.200 1460.000 0.0 0.0 0.0 0.0

X1 3065.000 0.0 0.0 0.0 50.000 50.000 50.000 0.0 1.900 0.0

X1 3338.000 13.000 1347.000 1354.000 273.000 273.000 273.000 0.0 0.0 0.0
GR 739.600 1000.000 732.400 1100.000 725.400 1200.000 724.000 1300.000 722.900 1347.000
GR 720.800 1348.000 720.000 1349.000 720.500 1353.000 723.000 1354.000 726.300 1365.000
GR 725.900 1400.000 732.600 1500.000 739.600 1540.000 0.0 0.0 0.0 0.0

X1 3388.000 13.000 1354.000 1359.000 50.000 50.000 50.000 0.0 0.0 0.0
GR 741.600 1000.000 735.000 1100.000 726.000 1200.000 725.000 1300.000 722.800 1354.000
GR 720.700 1355.000 720.100 1357.000 720.500 1358.000 722.300 1359.000 725.500 1367.000
GR 725.800 1400.000 735.000 1500.000 741.700 1531.000 0.0 0.0 0.0 0.0

X1 3438.000 0.0 0.0 0.0 50.000 50.000 50.000 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 3488.000 19.000 1356.500 1359.500 50.000 50.000 50.000 0.0 0.0 0.0
GR 741.600 1000.000 736.000 1100.000 727.200 1200.000 726.200 1266.000 726.500 1275.000
GR 726.100 1301.000 723.900 1355.000 722.700 1356.500 721.600 1357.000 721.200 1358.000
GR 721.600 1359.000 722.700 1359.500 723.400 1360.000 726.600 1368.000 727.200 1400.000
GR 728.900 1437.000 729.800 1470.000 732.200 1500.000 741.800 1551.000 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 3508.000 0.0 0.0 0.0 20.000 20.000 20.000 0.0 0.0 0.0
X2 0.0 0.0 1.000 724.200 726.200 0.0 0.0 0.0 0.0 0.0
BT 15.000 1000.000 741.600 0.0 1100.000 736.000 0.0 1200.000 727.200 0.0
BT 1266.000 726.200 0.0 1300.000 727.100 0.0 1356.500 726.400 722.700 1357.000
BT 726.400 723.600 1358.000 726.400 724.200 1359.000 726.400 723.800 1359.500 726.300
BT 722.700 1400.000 727.200 0.0 1437.000 728.900 0.0 1470.000 729.800 0.0
BT 1500.000 732.200 0.0 1551.000 741.800 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 3558.000 13.000 1354.000 1359.000 50.000 50.000 50.000 0.0 1.100 0.0
GR 741.600 1000.000 735.000 1100.000 726.000 1200.000 725.000 1300.000 722.800 1354.000
GR 720.700 1355.000 720.100 1357.000 720.500 1358.000 722.300 1359.000 725.500 1367.000
GR 725.800 1400.000 735.000 1500.000 741.700 1531.000 0.0 0.0 0.0 0.0

X1 3608.000 0.0 0.0 0.0 50.000 50.000 50.000 0.0 0.0 0.0
LT 5.000 197.000 385.000 490.000 755.000 490.000 0.0 0.0 0.0 0.0

X1 3638.000 12.000 1335.000 1349.000 30.000 30.000 30.000 0.0 0.0 0.0
GR 741.100 1000.000 732.300 1100.000 727.200 1200.000 728.300 1300.000 727.000 1335.000
GR 721.800 1342.000 721.200 1343.000 721.600 1344.000 725.500 1349.000 728.000 1400.000
GR 733.500 1500.000 741.100 1570.000 0.0 0.0 0.0 0.0 0.0 0.0

X1 3688.000 0.0 0.0 0.0 50.000 50.000 50.000 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 3738.000 15.000 1340.500 1343.500 50.000 50.000 50.000 0.0 0.0 0.0
GR 741.500 1000.000 732.800 1100.000 729.100 1200.000 727.500 1300.000 727.500 1325.000
GR 727.000 1334.000 722.700 1340.500 721.600 1341.000 721.200 1342.000 721.600 1343.000
GR 722.700 1343.500 725.500 1348.000 728.200 1400.000 732.900 1500.000 741.500 1590.000
SB 0.900 1.500 2.500 0.0 3.000 0.010 7.100 0.0 0.0 0.0

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X1	3783.000	0.0	0.0	0.0	45.000	45.000	45.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	724.200	727.400	0.0	0.0	0.0	0.0	0.0
BT	12.000	1000.000	741.500	0.0	1100.000	732.800	0.0	1200.000	729.100	0.0
BT	1300.000	727.500	0.0	1340.500	727.400	722.700	1341.000	727.400	723.800	1342.000
BT	727.400	724.200	1343.000	727.400	723.800	1343.500	727.400	722.700	1400.000	728.200
BT	0.0	1500.000	732.900	0.0	1590.000	741.500	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	3833.000	12.000	1335.000	1349.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	741.100	1000.000	732.300	1100.000	727.200	1200.000	728.300	1300.000	727.000	1335.000
GR	721.800	1342.000	721.200	1343.000	721.600	1344.000	725.500	1349.000	728.000	1400.000
GR	733.500	1500.000	741.100	1570.000	0.0	0.0	0.0	0.0	0.0	0.0

X1	3883.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.0	0.0
QT	5.000	130.000	380.000	485.000	750.000	485.000	0.0	0.0	0.0	0.0

X1	5075.000	21.000	2200.000	2219.000	1192.000	1192.000	1192.000	0.0	-1.400	0.0
GR	760.100	1000.000	756.000	1100.000	751.100	1200.000	745.600	1300.000	743.400	1400.000
GR	744.400	1500.000	746.300	1600.000	746.900	1700.000	748.400	1800.000	743.100	1900.000
GR	742.000	2000.000	742.800	2100.000	744.800	2200.000	739.700	2215.000	739.500	2216.000
GR	740.000	2218.000	743.100	2219.000	747.600	2300.000	752.200	2400.000	759.800	2500.000
GR	762.300	2530.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	5125.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	1.400	0.0
NC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	5175.000	26.000	2243.500	2246.500	50.000	50.000	50.000	0.0	0.0	0.0
GR	761.300	1000.000	757.300	1100.000	751.000	1200.000	746.800	1300.000	745.100	1400.000
GR	745.000	1477.000	745.000	1500.000	745.000	1600.000	748.600	1700.000	749.000	1800.000
GR	746.500	1900.000	745.500	2000.000	745.200	2100.000	745.600	2200.000	746.000	2230.000
GR	743.100	2243.500	742.000	2244.000	741.600	2245.000	742.000	2246.000	743.100	2246.500
GR	745.200	2246.000	747.000	2281.000	747.400	2300.000	750.800	2400.000	756.300	2500.000
GR	762.200	2576.000	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	5224.000	0.0	0.0	0.0	49.000	49.000	49.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	744.500	0.0	0.0	0.0	0.0	0.0	0.0
BT	23.000	1000.000	761.300	0.0	1100.000	757.300	0.0	1200.000	751.000	0.0
BT	1300.000	746.800	0.0	1400.000	745.100	0.0	1477.000	745.000	0.0	1500.000
BT	745.000	0.0	1600.000	745.000	0.0	1700.000	748.600	0.0	1800.000	749.000
BT	0.0	1900.000	746.500	0.0	2000.000	745.000	0.0	2100.000	745.200	0.0
BT	2200.000	745.600	0.0	2243.500	746.200	743.100	2244.000	746.200	744.200	2245.000
BT	746.200	744.600	2246.000	746.200	744.200	2246.500	746.200	743.100	2300.000	747.400
BT	0.0	2400.000	750.800	0.0	2500.000	756.300	0.0	2576.000	762.200	0.0
NC	0.055	0.055	0.035	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	5274.000	21.000	2200.000	2219.000	50.000	50.000	50.000	0.0	3.500	0.0
GR	760.100	1000.000	756.000	1100.000	751.100	1200.000	745.600	1300.000	743.400	1400.000
GR	744.400	1500.000	746.300	1600.000	746.900	1700.000	748.400	1800.000	743.100	1900.000
GR	742.000	2000.000	742.800	2100.000	744.800	2200.000	739.700	2215.000	739.500	2216.000
GR	740.000	2218.000	743.100	2219.000	747.600	2300.000	752.200	2400.000	759.800	2500.000
GR	762.300	2530.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	5324.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	1.400	0.0
QT	5.000	185.000	358.000	454.000	697.000	454.000	0.0	0.0	0.0	0.0

MADE IN U.S.A.

 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	O	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
A 415.000	415.00	0.0	0.0	321.00	690.70	694.07	0.0	9.14	1852.23	1863.77	35.12	0.0
* 415.000	415.00	0.0	0.0	751.00	690.70	697.37	697.37	6.94	1813.44	2136.54	217.52	3.31
465.000	50.00	0.0	0.0	321.00	691.10	695.18	0.0	7.37	1852.05	1863.95	43.54	0.0
* 465.000	50.00	0.0	0.0	751.00	691.10	697.78	697.78	6.92	1813.39	2138.00	218.47	2.60
* 515.000	50.00	0.0	0.0	321.00	692.60	696.42	696.42	7.71	1828.90	1890.93	62.50	0.0
515.000	50.00	0.0	0.0	751.00	692.60	698.35	0.0	2.22	1794.37	2212.19	571.25	1.93
528.000	13.00	696.60	695.60	321.00	692.60	697.54	0.0	2.45	1810.74	2200.56	241.81	0.0
528.000	13.00	696.60	695.60	751.00	692.60	698.42	0.0	2.09	1792.13	2213.08	597.54	0.88
578.000	50.00	0.0	0.0	321.00	693.00	697.00	0.0	7.55	1852.07	1863.93	42.54	0.0
* 578.000	50.00	0.0	0.0	751.00	693.00	699.28	699.28	8.53	1819.01	1926.93	139.93	2.28
B 628.000	50.00	0.0	0.0	321.00	693.40	697.54	0.0	7.26	1852.04	1863.96	44.20	0.0
* 628.000	50.00	0.0	0.0	751.00	693.40	699.72	699.72	8.36	1819.09	1941.82	145.07	2.18
C 1715.000	1087.00	0.0	0.0	292.00	699.70	703.89	0.0	4.74	1717.06	1777.07	81.20	0.0
1715.000	1087.00	0.0	0.0	703.00	699.70	705.18	0.0	6.01	1689.75	1787.55	183.83	1.29
* D 2815.000	1100.00	0.0	0.0	278.00	712.00	714.85	714.85	7.76	1308.37	1327.72	35.85	0.0
* 2815.000	1100.00	0.0	0.0	656.00	712.00	716.34	716.34	9.51	1303.03	1333.31	71.68	1.49
* 2865.000	50.00	0.0	0.0	278.00	713.10	715.95	715.95	7.77	1308.38	1327.70	35.77	0.0
* 2865.000	50.00	0.0	0.0	656.00	713.10	717.45	717.45	9.48	1302.99	1333.38	71.99	1.51
* 2915.000	50.00	0.0	0.0	278.00	715.10	718.92	718.92	8.26	1392.11	1416.83	41.36	0.0
* 2915.000	50.00	0.0	0.0	656.00	715.10	720.30	720.30	9.45	1384.15	1425.93	85.68	1.38
* 2965.000	50.00	723.30	721.60	278.00	715.10	719.17	0.0	7.21	1391.11	1418.48	47.88	0.0
2965.000	50.00	723.30	721.60	656.00	715.10	720.31	0.0	9.42	1383.98	1425.97	85.95	1.14
* 3015.000	50.00	0.0	0.0	278.00	717.10	719.94	719.94	7.79	1308.38	1327.69	35.68	0.0
* 3015.000	50.00	0.0	0.0	656.00	717.10	721.44	721.44	9.52	1303.04	1333.30	71.63	1.50
* E 3065.000	50.00	0.0	0.0	278.00	719.00	721.85	721.85	7.76	1308.37	1327.71	35.82	0.0
* 3065.000	50.00	0.0	0.0	656.00	719.00	723.35	723.35	9.48	1302.99	1333.38	71.99	1.50

	SECNO	XLCH	ELTRD	ELLC	D	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
F	3338.000	273.00	0.0	0.0	278.00	720.00	724.62	0.0	5.33	1255.98	1359.39	102.45	0.0
	3338.000	273.00	0.0	0.0	656.00	720.00	725.93	0.0	4.67	1192.39	1400.49	295.26	1.31
	3388.000	50.00	0.0	0.0	278.00	720.10	724.75	0.0	7.35	1306.10	1365.13	73.76	0.0
	3388.000	50.00	0.0	0.0	656.00	720.10	725.99	0.0	6.88	1200.67	1402.11	216.39	1.24
	3438.000	50.00	0.0	0.0	278.00	720.10	725.32	0.0	4.85	1267.61	1366.56	115.95	0.0
	3438.000	50.00	0.0	0.0	656.00	720.10	726.32	0.0	5.29	1196.46	1405.65	283.35	0.99
*G	3488.000	50.00	0.0	0.0	278.00	721.20	725.60	725.60	7.85	1313.36	1365.49	57.90	0.0
*	3488.000	50.00	0.0	0.0	656.00	721.20	726.47	726.47	8.69	1248.10	1367.68	120.18	0.88
	3508.000	20.00	726.20	724.20	278.00	721.20	727.27	0.0	1.83	1199.18	1401.57	249.11	0.0
	3508.000	20.00	726.20	724.20	656.00	721.20	727.78	0.0	2.88	1193.37	1412.70	356.95	0.51
	3558.000	50.00	0.0	0.0	278.00	721.20	727.28	0.0	2.51	1198.02	1404.12	254.21	0.0
	3558.000	50.00	0.0	0.0	656.00	721.20	727.80	0.0	4.03	1192.21	1409.80	364.84	0.52
H	3608.000	50.00	0.0	0.0	278.00	721.20	727.31	0.0	2.45	1197.73	1404.40	259.56	0.0
	3608.000	50.00	0.0	0.0	656.00	721.20	727.88	0.0	3.82	1191.35	1410.64	381.88	0.57
	3638.000	30.00	0.0	0.0	197.00	721.20	727.26	0.0	3.33	1198.91	1384.81	82.61	0.0
	3638.000	30.00	0.0	0.0	490.00	721.20	727.53	727.22	7.23	1193.43	1390.51	106.33	0.28
	3688.000	50.00	0.0	0.0	197.00	721.20	727.34	0.0	3.20	1197.25	1386.54	88.50	0.0
	3688.000	50.00	0.0	0.0	490.00	721.20	728.17	0.0	4.92	1191.02	1403.05	205.61	0.83
	3738.000	50.00	0.0	0.0	197.00	721.20	727.42	0.0	3.57	1326.61	1384.80	85.49	0.0
	3738.000	50.00	0.0	0.0	490.00	721.20	728.37	0.0	4.43	1245.02	1403.83	198.61	0.95
	3783.000	45.00	727.40	724.20	197.00	721.20	728.24	0.0	1.99	1253.48	1400.94	177.87	0.0
	3783.000	45.00	727.40	724.20	490.00	721.20	728.82	0.0	3.17	1217.51	1413.19	276.58	0.57
	3833.000	50.00	0.0	0.0	197.00	721.20	726.25	0.0	1.86	1179.29	1404.66	224.47	0.0
	3833.000	50.00	0.0	0.0	490.00	721.20	728.89	0.0	3.03	1167.30	1415.31	362.87	0.59
I	3883.000	50.00	0.0	0.0	197.00	721.20	728.27	0.0	1.86	1179.19	1404.74	225.49	0.0
	3883.000	50.00	0.0	0.0	490.00	721.20	728.88	0.0	2.98	1167.25	1415.82	369.86	0.61
*J	5075.000	1192.00	0.0	0.0	190.00	738.10	741.32	741.32	5.10	1934.37	2218.88	79.94	0.0
*	5075.000	1192.00	0.0	0.0	485.00	738.10	741.75	741.75	6.41	1899.12	2219.84	156.80	0.42
*	5125.000	50.00	0.0	0.0	190.00	739.50	742.74	742.74	4.94	1932.62	2218.88	83.24	0.0
*	5125.000	50.00	0.0	0.0	485.00	739.50	743.12	743.12	6.65	1899.55	2219.43	161.47	0.38
*K	5175.000	50.00	0.0	0.0	190.00	741.60	745.35	745.35	4.98	1385.45	2250.70	98.98	0.0
*	5175.000	50.00	0.0	0.0	485.00	741.60	745.56	745.56	6.02	1373.13	2254.54	182.45	0.21
L	5224.000	49.00	745.00	744.60	190.00	741.60	745.38	0.0	4.44	1383.30	2251.37	111.42	0.0
	5224.000	49.00	745.00	744.60	485.00	741.60	745.62	0.0	5.56	1368.70	2255.92	218.27	0.24
*	5274.000	50.00	0.0	0.0	190.00	743.00	746.24	746.24	4.92	1932.35	2218.89	83.74	0.0
*	5274.000	50.00	0.0	0.0	485.00	743.00	746.65	746.65	6.38	1899.07	2219.88	167.31	0.40
*M	5324.000	50.00	0.0	0.0	190.00	744.40	747.63	747.63	5.03	1933.59	2218.88	81.39	0.0
*	5324.000	50.00	0.0	0.0	485.00	744.40	748.02	748.02	6.68	1899.69	2219.38	160.79	0.39

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SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CHSEL	CRHS	VCH	SSTA	ENDST	AREA	DIFWSP
*N 5580.000	256.00	0.0	0.0	185.00	755.60	758.24	758.24	7.56	1349.65	1405.67	51.10	0.0
* 5580.000	256.00	0.0	0.0	454.00	755.60	758.99	758.99	9.67	1332.48	1413.54	102.32	0.75
* 5630.000	50.00	0.0	0.0	185.00	756.60	759.19	759.19	7.95	1350.77	1405.16	48.41	0.0
* 5630.000	50.00	0.0	0.0	454.00	756.60	759.96	759.96	9.87	1333.09	1413.26	100.19	0.77
* O 5680.000	50.00	0.0	0.0	185.00	759.80	760.37	760.37	2.78	1790.47	3500.71	59.28	0.0
5680.000	50.00	0.0	0.0	454.00	759.80	760.80	0.0	2.13	1766.69	3500.94	170.37	0.43
* P 5720.000	40.00	759.80	790.90	185.00	759.80	760.54	0.0	1.59	1780.83	3500.80	98.38	0.0
5720.000	40.00	759.80	790.90	454.00	759.80	760.93	0.0	1.68	1759.30	3501.36	214.86	0.39
* 5770.000	50.00	0.0	0.0	185.00	760.90	763.50	763.50	7.88	1350.58	1405.25	48.87	0.0
* 5770.000	50.00	0.0	0.0	454.00	760.90	764.22	764.22	10.18	1334.04	1412.82	96.91	0.72
* Q 5820.000	50.00	0.0	0.0	185.00	761.90	764.51	764.51	7.79	1350.33	1405.36	49.46	0.0
* 5820.000	50.00	0.0	0.0	454.00	761.90	765.23	765.23	10.09	1333.76	1412.95	97.88	0.72

SUMMARY OF ERRORS

- CAUTION SECNO= 415.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 465.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 465.000 PROFILE= 2 MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 515.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 515.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 515.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
- CAUTION SECNO= 578.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 578.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 578.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
- CAUTION SECNO= 628.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 628.000 PROFILE= 2 MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 2815.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 2815.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 2815.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
- CAUTION SECNO= 2815.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 2815.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 2815.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
- CAUTION SECNO= 2865.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 2865.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 2865.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 2865.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 2865.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
- CAUTION SECNO= 2915.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 2915.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 2915.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
- CAUTION SECNO= 2915.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
- CAUTION SECNO= 2915.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
- CAUTION SECNO= 2915.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

FLOOD INSURANCE ZONE DATA FOR 10 YEAR FLOOD WATER SURF

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
		10c	2c	0.2c
415.000	0.	694.1	697.4	0.0
465.000	50.	686.0	688.6	*****
515.000	100.	231.4	233.4	*****
528.000	113.	2.4	3.2	*****
578.000	163.	697.0	699.3	0.0
628.000	213.	376.5	378.7	371.6
1715.000	1300.	*****	*****	*****
2815.000	2400.	18.3	19.7	-1.0
2865.000	2450.	713.5	715.0	*****
2915.000	2500.	140.9	142.3	*****
2965.000	2550.	22.2	23.3	*****
3015.000	2600.	719.9	721.4	0.0
3065.000	2650.	400.8	402.4	372.4
3338.000	2923.	*****	*****	*****
3368.000	2973.	724.7	726.0	0.0
3438.000	3023.	720.6	721.6	*****
3488.000	3073.	*****	*****	*****
3508.000	3093.	12.4	12.9	0.0
3558.000	3143.	727.3	727.0	11.0
3608.000	3193.	449.3	449.9	435.1
3638.000	3223.	*****	*****	*****
3688.000	3273.	727.3	728.2	0.0
3738.000	3323.	719.2	720.1	*****
3783.000	3368.	*****	*****	*****
3833.000	3418.	9.1	9.7	*****
3883.000	3468.	728.3	728.9	128.0
5075.000	4660.	463.3	463.7	439.1
5125.000	4710.	*****	*****	*****
5175.000	4760.	745.3	745.6	0.0
5224.000	4809.	737.6	737.9	*****
5274.000	4859.	*****	*****	*****
5324.000	4909.	23.0	23.4	*****
5560.000	5165.	750.2	759.0	0.0
5630.000	5215.	481.2	482.0	442.1
5680.000	5265.	*****	*****	*****
5720.000	5305.	750.3	750.9	0.0
5770.000	5355.	758.6	759.4	*****
5820.000	5405.	*****	*****	*****

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

FNF FOR THE REACH = 200 WITH 0.0% OF THE REACH WITHIN 3.0 FEET
 ZONE FOR THE REACH = A30

INC NO. TOTAL LENGTH AVG ELEVATION DATA WTD. AVG. FHF PERCENT WITHIN

INC NO.	TOTAL LENGTH	10C	1C	DIFF.	WTD. AVG.	FHF	PERCENT WITHIN
	0.					SEC. 415.000	
1	100.	695.2	9.1	686.0	686.0	005	100.
	50.					SEC. 465.000	
	100.					SEC. 515.000	
	113.					SEC. 528.000	
	163.					SEC. 578.000	
2	200.	697.2	118.8	578.4	632.2	005	0.
	213.					SEC. 628.000	
3	300.	697.7	342.1	355.6	540.0	005	0.
4	400.	698.3	518.9	179.5	449.9	005	0.
5	500.	698.9	663.3	35.6	367.0	005	0.
6	600.	699.5	807.7	-108.2	287.8	005	0.
7	700.	700.1	952.1	-252.1	210.7	005	0.
8	800.	700.7	1096.6	-395.9	134.9	005	0.
9	900.	701.3	1241.0	-539.7	59.9	005	0.
10	1000.	701.8	1385.4	-683.6	-14.4	140	0.
11	1100.	702.4	1529.9	-827.4	-88.3	200	0.
12	1200.	703.0	1674.3	-971.3	*****	200	0.
	1300.					SEC. 1715.000	
13	1300.	703.6	1818.7	*****	*****	200	0.
14	1400.	704.4	1836.6	*****	*****	200	0.
15	1500.	705.4	1728.1	*****	*****	200	0.
16	1600.	706.4	1619.5	-913.1	*****	200	0.
17	1700.	707.4	1510.9	-803.5	*****	200	0.
18	1800.	708.4	1402.3	-694.0	*****	200	0.
19	1900.	709.4	1293.8	-584.4	*****	200	0.
20	2000.	710.4	1185.2	-474.8	*****	200	0.
21	2100.	711.4	1076.6	-365.3	*****	200	0.
22	2200.	712.4	968.0	-255.7	*****	200	0.
23	2300.	713.4	859.5	-146.1	*****	200	0.
	2400.					SEC. 2815.000	
24	2400.	714.4	750.9	-36.5	*****	200	4.
	2450.					SEC. 2865.000	
25	2500.	716.9	637.3	79.6	*****	200	0.
	2500.					SEC. 2915.000	
	2550.					SEC. 2965.000	
26	2600.	719.6	348.5	371.1	*****	200	0.
	2600.					SEC. 3015.000	
	2650.					SEC. 3065.000	
27	2700.	722.1	462.3	259.8	*****	200	0.
28	2800.	722.9	886.2	-163.3	*****	200	0.
29	2900.	723.9	1451.4	-727.5	*****	200	0.
	2923.					SEC. 3338.000	
	2973.					SEC. 3388.000	
30	3000.	724.9	1.3	723.6	*****	200	0.
	3023.					SEC. 3438.000	
	3073.					SEC. 3488.000	
	3093.					SEC. 3508.000	
31	3100.	727.3	604.8	62.5	*****	200	0.
	3143.					SEC. 3558.000	
	3193.					SEC. 3608.000	
32	3200.	727.3	400.5	326.8	*****	200	0.
	3223.					SEC. 3638.000	
	3273.					SEC. 3688.000	
33	3300.	727.4	2.2	725.1	*****	200	0.
	3323.					SEC. 3738.000	
	3368.					SEC. 3783.000	
34	3400.	728.2	2246.3	*****	*****	200	0.
	3418.					SEC. 3833.000	
	3468.					SEC. 3883.000	
35	3500.	728.4	3.7	724.7	*****	200	0.

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36	3600.	729.2	19.1	710.0	*****	200	0.
37	3700.	730.3	42.4	687.8	*****	200	0.
38	3800.	731.4	65.8	665.6	*****	200	0.
39	3900.	732.4	89.1	643.4	*****	200	0.
40	4000.	733.4	112.4	621.1	*****	200	0.
41	4100.	734.6	135.7	598.9	*****	200	0.
42	4200.	735.7	159.1	576.7	-98.1	200	0.
43	4300.	736.8	182.4	554.5	-82.9	200	0.
44	4400.	737.9	205.7	532.2	-68.9	200	0.
45	4500.	739.0	229.0	510.0	-56.0	200	0.
46	4600.	740.1	252.3	487.8	-44.2	200	0.
	4660.				SEC.	5075.000	
47	4700.	741.6	690.4	50.7	-42.2	200	0.
	4710.				SEC.	5125.000	
	4760.				SEC.	5175.000	
48	4800.	745.0	3.2	742.2	-25.9	200	0.
	4809.				SEC.	5224.000	
	4859.				SEC.	5274.000	
49	4900.	746.6	2256.5	*****	-56.3	200	0.
	4909.				SEC.	5324.000	
50	5000.	749.4	831.8	-81.6	-56.9	200	0.
51	5100.	753.5	325.8	428.0	-47.3	200	0.
	5195.				SEC.	5580.000	
52	5200.	757.2	189.3	567.9	-35.5	200	2.
	5215.				SEC.	5630.000	
	5265.				SEC.	5680.000	
53	5300.	760.4	767.9	-7.4	-35.0	200	2.
	5305.				SEC.	5720.000	
	5355.				SEC.	5770.000	
54	5400.	764.0	1572.3	-800.3	-49.3	200	0.
	5405.				SEC.	5820.000	

THIS REACH CAN BE SUBDIVIDED BY INC NO. TO MEET FIA REQUIREMENTS
INPUT 20N WHERE N IS THE NUMBER OF REACHES AND THEN INPUT THE END
OF EACH REACH BY INC NO. FOR EXAMPLE 202 1 54
A NEGATIVE INC NO. WILL SUPPRESS INTERMEDIATE INC OUTPUT.