
HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977

ERROR CORR - 01/11

MODIFICATION - 50,51,52

T1 SALISBURY-ROWAN CO. STREAM 3SAL MAHALEY BRANCH
T2 FLOODPLAIN STUDY AT ROWAN & DAVIDSON COUNTIES M-G JOB NO. 6 168
T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1 ICHECK INR MINV IDIR STRT METRIC HVINS Q WSEL FQ
-1. 2. 0. 0. 0.010000 0.0 0.0 0. 642.900 0.0

J2 NPROE IPILOT PREVS XSECV XSECH FM ALLOC 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

J5 LPRNT MUSSEC *****REQUESTED SECTION NUMBERS*****

-10.000 0.0 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
QT 5.000 599.000 1030.000 1252.000 1752.000 1252.000 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 0.0

X1 700.000 26.000 3751.000 3782.000 700.000 700.000 700.000 0.0 0.0 0.0
GR 651.200 1000.000 644.800 1065.000 644.600 1100.000 644.500 1200.000 644.800 1400.000
GR 644.500 1600.000 645.000 1800.000 644.900 2000.000 645.200 2200.000 644.400 2400.000
GR 644.000 2600.000 643.700 2800.000 643.900 3000.000 644.300 3200.000 645.300 3400.000
GR 645.900 3600.000 646.200 3751.000 639.100 3764.000 637.900 3770.000 638.000 3776.000
GR 647.000 3782.000 646.300 3900.000 647.100 4000.000 649.700 4060.000 648.700 4100.000
GR 661.700 4163.000 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
QT 5.000 595.000 1037.000 1246.600 1748.000 1248.000 0.0 0.0 0.0 0.0

X1 1500.000 17.000 1445.000 1471.000 800.000 800.000 800.000 0.0 0.0 0.0
GR 660.600 1031.000 661.300 1100.000 661.500 1166.000 657.100 1200.000 654.400 1232.000
GR 652.600 1300.000 649.300 1400.000 649.400 1445.000 640.700 1457.000 640.500 1460.000
GR 640.800 1463.000 649.300 1471.000 649.300 1500.000 652.300 1600.000 654.200 1644.000
GR 663.700 1700.000 656.800 1719.000 0.0 0.0 0.0 0.0 0.0 0.0

X1 1550.000 0.0 0.0 0.0 50.000 50.000 50.000 0.0 1.600 0.0
NC 0.025 0.025 0.025 0.100 0.300 0.0 0.0 0.0 0.0 0.0

X1 1600.000 31.000 1447.700 1461.800 50.000 50.000 50.000 0.0 0.0 0.0
GR 661.200 1038.000 661.100 1100.000 661.000 1174.000 658.100 1200.000 654.600 1300.000
GR 650.200 1386.000 650.500 1400.000 650.800 1442.000 645.400 1447.700 644.700 1448.000

GR	644.500	1449.000	644.400	1450.000	644.300	1451.000	644.400	1452.000	644.500	1453.000
GR	644.700	1454.000	645.400	1454.300	645.400	1455.200	644.500	1456.000	644.400	1457.000
GR	644.300	1458.500	644.300	1460.000	644.500	1461.000	645.400	1461.800	650.800	1462.000
GR	650.200	1474.000	651.200	1500.000	651.500	1567.000	652.900	1600.000	654.200	1643.000
GR	666.700	1688.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	0.200	1.500	2.500	0.0	14.100	0.010	42.600	0.0	0.0	0.0

X1	1650.000	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	648.400	650.200	0.0	0.0	0.0	0.0	0.0
BT	29.000	1038.000	661.200	0.0	1100.000	661.100	0.0	1174.000	661.000	0.0
BT	1200.000	652.100	0.0	1300.000	654.600	0.0	1326.000	650.200	0.0	1400.000
BT	650.500	0.0	1447.700	650.900	645.400	1448.000	650.900	646.500	1449.000	650.900
BT	647.700	1450.000	650.900	648.300	1451.000	650.900	648.400	1452.000	650.900	648.300
BT	1453.000	650.200	647.700	1454.000	650.900	646.500	1454.300	650.900	645.400	1455.200
BT	651.000	645.400	1456.000	651.000	647.300	1457.000	651.000	648.100	1458.500	651.000
BT	648.400	1460.000	651.000	648.100	1461.000	651.000	647.300	1461.800	651.000	645.400
BT	1474.000	650.200	0.0	1500.000	651.200	0.0	1567.000	651.500	0.0	1500.000
BT	652.900	0.0	1643.000	654.200	0.0	1688.000	666.700	0.0	0.0	0.0
NC	0.055	0.055	0.035	0.100	0.300	0.0	0.0	0.2	0.0	0.0

X1	1700.000	17.000	1445.000	1471.000	50.000	50.000	50.000	0.0	0.100	0.0
GR	660.800	1031.000	661.300	1100.000	661.500	1166.000	657.100	1200.000	654.400	1232.000
GR	652.600	1300.000	649.300	1400.000	649.400	1445.000	640.700	1457.000	640.500	1460.000
GR	640.800	1463.000	649.300	1471.000	649.300	1500.000	652.300	1600.000	654.200	1644.000
GR	666.700	1700.000	666.800	1719.000	0.0	0.0	0.0	0.0	0.0	0.0

X1	1750.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.200	0.0
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X1	1914.000	13.000	1316.000	1332.000	164.000	164.000	164.000	0.0	0.500	0.0
GR	668.600	1000.000	663.500	1100.000	663.300	1175.000	653.200	1244.000	653.100	1300.000
GR	649.800	1316.000	646.100	1318.000	646.300	1323.000	645.300	1328.000	649.400	1332.000
GR	654.400	1400.000	661.700	1500.000	668.600	1546.000	0.0	0.0	0.0	0.0

X1	1964.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.200	0.0
NC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	2014.000	30.000	1372.700	1386.800	50.000	50.000	50.000	0.0	0.0	0.0
GR	661.900	1035.000	661.100	1100.000	657.500	1200.000	652.400	1300.000	652.300	1303.000
GR	653.000	1358.700	647.400	1372.700	646.700	1373.000	646.500	1374.000	646.400	1375.000
GR	646.300	1376.000	646.400	1377.400	646.500	1378.000	646.700	1379.000	647.400	1379.300
GR	647.400	1380.200	646.600	1381.000	646.400	1382.000	646.300	1383.500	646.400	1385.000
GR	646.600	1386.000	647.400	1386.800	649.400	1389.000	654.100	1450.000	654.900	1500.000
GR	657.100	1500.000	660.700	1700.000	664.400	1800.000	668.100	1900.000	671.200	1970.000
GR	0.900	1.500	2.500	0.0	13.200	0.010	42.600	0.0	0.0	0.0

X1	2085.000	0.0	0.0	0.0	71.000	71.000	71.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	650.400	652.300	0.0	0.0	0.0	0.0	0.0
BT	29.000	1035.000	661.900	0.0	1100.000	661.100	0.0	1200.000	657.500	0.0
BT	1300.000	652.400	0.0	1303.000	652.300	0.0	1372.700	653.100	647.400	1373.000
BT	653.100	648.500	1374.000	653.100	649.700	1375.000	653.100	650.000	1376.000	653.100
BT	650.400	1377.000	653.100	650.000	1378.000	653.100	649.700	1379.000	653.100	648.500
BT	1379.300	653.100	647.400	1380.200	653.200	647.400	1381.000	653.200	649.300	1382.000
BT	653.200	650.100	1383.500	653.200	650.400	1385.000	653.200	650.100	1386.000	653.200
BT	649.300	1386.000	653.200	647.400	1400.000	653.400	0.0	1500.000	654.900	0.0
BT	1600.000	657.100	0.0	1700.000	660.700	0.0	1800.000	664.400	0.0	1900.000
BT	668.100	0.0	1970.000	671.200	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

X1	2135.000	13.000	1316.000	1332.000	50.000	50.000	50.000	0.0	1.400	0.0
GR	668.600	1000.000	663.500	1100.000	663.300	1175.000	653.200	1244.000	653.100	1300.000
GR	649.800	1316.000	646.100	1318.000	646.300	1323.000	645.300	1328.000	649.400	1332.000
GR	654.400	1400.000	661.700	1500.000	668.600	1546.000	0.0	0.0	0.0	0.0

X1	2135.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.400	0.0
BT	5.000	594.000	1024.000	1231.000	1719.000	1231.000	0.0	0.0	0.0	0.0

X1	2929.000	16.000	1641.000	1768.000	744.000	744.000	744.000	0.0	-0.900	0.0
GR	676.400	1000.000	670.200	1043.000	669.800	1100.000	669.100	1200.000	668.000	1300.000
GR	665.900	1400.000	663.300	1500.000	661.800	1641.000	654.300	1755.000	654.100	1756.000
GR	654.400	1761.000	658.700	1768.000	660.100	1800.000	665.700	1850.000	671.600	1900.000
GR	676.400	1963.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	2979.000	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	3020.000	29.000	1592.500	1604.500	50.000	50.000	50.000	0.0	0.0	0.0
GR	667.800	1032.000	668.200	1100.000	664.000	1200.000	663.200	1300.000	663.200	1341.000
GR	661.700	1482.000	656.500	1592.500	655.000	1593.000	654.200	1594.000	654.000	1595.000
GR	654.200	1596.000	655.000	1597.000	656.500	1597.500	656.500	1599.500	655.000	1600.000
GR	654.200	1601.000	654.000	1602.000	654.200	1603.000	655.000	1604.000	656.500	1604.500
GR	654.600	1609.000	660.000	1641.000	660.600	1647.000	660.200	1700.000	662.100	1800.000
GR	665.000	1900.000	667.400	2000.000	670.900	2100.000	676.200	2196.000	0.0	0.0
SB	0.900	1.500	2.500	0.0	10.000	0.010	39.300	0.0	0.0	0.0

X1	3079.000	0.0	0.0	0.0	59.000	59.000	59.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	659.000	660.200	0.0	0.0	0.0	0.0	0.0
BT	28.000	1032.000	667.800	0.0	1100.000	668.200	0.0	1200.000	664.000	0.0
BT	1300.000	663.200	0.0	1400.000	663.000	0.0	1500.000	662.200	0.0	1531.000
BT	661.700	0.0	1550.000	661.400	0.0	1592.500	661.000	656.500	1593.000	661.000
BT	658.000	1594.000	661.000	658.800	1595.000	661.000	659.000	1596.000	661.000	658.800
BT	1597.000	661.000	658.000	1597.500	661.000	656.500	1599.500	660.900	656.500	1600.000
BT	660.900	658.000	1601.000	660.900	658.800	1602.000	660.900	659.000	1603.000	660.900
BT	658.000	1604.000	660.900	658.000	1604.300	660.900	656.500	1700.000	660.200	0.0
BT	1900.000	662.100	0.0	1900.000	665.000	0.0	2000.000	667.400	0.0	2100.000
BT	670.900	0.0	2196.000	676.200	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

X1	3129.000	16.000	1641.000	1768.000	50.000	50.000	50.000	0.0	0.200	0.0
GR	676.400	1000.000	670.200	1043.000	669.800	1100.000	669.100	1200.000	668.000	1300.000
GR	665.900	1400.000	663.300	1500.000	661.800	1641.000	654.300	1755.000	654.100	1756.000
GR	654.400	1761.000	658.700	1768.000	660.100	1800.000	665.700	1850.000	671.600	1900.000
GR	676.400	1963.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	3179.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.200	0.0
BT	5.000	563.000	969.000	1165.000	1628.000	1165.000	0.0	0.0	0.0	0.0

X1	3030.000	12.000	1125.000	1141.000	651.000	651.000	651.000	0.0	-2.400	0.0
GR	684.100	1000.000	671.300	1047.000	655.000	1098.000	663.000	1125.000	660.500	1131.000
GR	660.200	1135.000	660.300	1139.000	664.000	1141.000	664.100	1200.000	664.300	1300.000
GR	672.300	1400.000	682.400	1500.000	0.0	0.0	0.0	0.0	0.0	0.0

X1	3080.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.300	0.0
NC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	3930.000	28.000	1959.000	1965.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	690.500	1000.000	687.000	1100.000	682.700	1200.000	678.000	1300.000	673.900	1400.000
GR	673.400	1500.000	675.200	1800.000	675.900	1700.000	674.600	1800.000	673.400	1886.000
GR	669.400	1914.000	663.100	1925.000	661.100	1952.000	661.000	1959.000	658.300	1959.000
GR	658.300	1965.000	661.000	1965.000	662.900	1968.000	662.200	2027.000	662.900	2127.000
GR	670.400	2227.000	673.000	2250.000	671.500	2300.000	674.500	2400.000	678.300	2500.000
GR	682.400	2600.000	686.800	2700.000	687.200	2708.000	0.0	0.0	0.0	0.0
SD	0.900	1.500	2.500	0.0	6.000	0.010	36.000	0.0	0.0	0.0

X1	4010.000	0.0	0.0	0.0	80.000	80.000	80.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	664.300	670.200	0.0	0.0	0.0	0.0	0.0
BT	22.000	1000.000	690.500	0.0	1100.000	687.000	0.0	1200.000	692.700	0.0
BT	1300.000	678.000	0.0	1400.000	673.900	0.0	1500.000	673.400	0.0	1600.000
BT	675.200	0.0	1700.000	675.900	0.0	1800.000	674.600	0.0	1900.000	673.100
BT	0.0	1959.000	672.200	664.300	1965.000	672.200	664.300	1965.100	672.200	0.0
BT	2000.000	671.200	0.0	2100.000	670.200	0.0	2200.000	670.200	0.0	2300.000
BT	671.500	0.0	2400.000	674.500	0.0	2500.000	678.300	0.0	2600.000	682.400
BT	0.0	2700.000	686.800	0.0	2708.000	687.200	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	4060.000	12.000	1125.000	1141.000	50.000	50.000	50.000	0.0	1.400	0.0
GR	664.100	1000.000	671.300	1087.000	665.000	1098.000	663.000	1125.000	660.500	1131.000
GR	660.200	1135.000	660.300	1139.000	664.800	1141.000	664.100	1200.000	664.800	1300.000
GR	672.300	1400.000	683.400	1500.000	0.0	0.0	0.0	0.0	0.0	0.0

X1	4110.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.500	0.0
QT	5.000	539.000	919.000	1104.000	1540.000	1104.000	0.0	0.0	0.0	0.0

X1	5514.000	13.000	1342.000	1370.000	1404.000	1404.000	1404.000	0.0	0.0	0.0
GR	688.800	1000.000	680.100	1100.000	673.700	1200.000	672.600	1300.000	672.800	1342.000
GR	666.800	1353.000	666.600	1360.000	666.700	1368.000	670.600	1370.000	671.200	1378.000
GR	678.500	1400.000	685.900	1500.000	688.800	1532.000	0.0	0.0	0.0	0.0

X1	5564.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	1.500	0.0
NC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	5614.000	19.000	1510.000	1526.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	677.900	1000.000	682.300	1100.000	686.400	1200.000	682.000	1300.000	681.500	1330.000
GR	676.700	1403.000	675.600	1503.000	675.800	1545.000	672.000	1560.000	669.600	1560.000
GR	663.600	1566.000	672.000	1566.000	673.600	1573.000	674.200	1581.000	681.500	1603.000
GR	683.500	1630.000	686.200	1700.000	683.200	1800.000	697.900	1867.000	0.0	0.0
SR	0.900	1.500	2.500	0.0	6.000	0.010	36.000	0.0	0.0	0.0

X1	5687.000	0.0	0.0	0.0	73.000	73.000	73.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	675.600	680.200	0.0	0.0	0.0	0.0	0.0
BT	13.000	1000.000	697.900	0.0	1100.000	692.300	0.0	1200.000	686.400	0.0
BT	1300.000	682.000	0.0	1400.000	680.200	0.0	1500.000	680.500	0.0	1560.000
BT	681.400	675.600	1566.000	681.400	675.600	1566.100	681.400	0.0	1600.000	682.400
BT	0.0	1700.000	686.200	0.0	1800.000	693.200	0.0	1867.000	697.900	0.0
NC	0.055	0.055	0.035	0.100	0.300	0.0	0.0	0.0	0.0	0.0
BT	5.000	496.000	650.000	1024.000	1436.000	1024.000	0.0	0.0	0.0	0.0

X1	5702.000	16.000	1539.000	1560.000	15.000	15.000	15.000	0.0	0.0	0.0
GR	698.600	1000.000	692.600	1100.000	685.200	1200.000	681.200	1300.000	681.500	1400.000
GR	681.500	1500.000	681.300	1539.000	669.700	1543.000	669.600	1546.000	669.800	1549.000
GR	678.100	1560.000	679.200	1600.000	682.900	1692.000	683.600	1700.000	696.500	1800.000
GR	698.800	1819.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	5736.000	20.000	1746.000	1762.000	34.000	34.000	34.000	0.0	0.0	0.0
GR	690.800	1000.000	691.600	1100.000	687.900	1200.000	686.300	1300.000	685.400	1400.000
GR	684.900	1500.000	683.800	1600.000	683.300	1700.000	683.300	1746.000	680.300	1752.500
GR	674.300	1752.500	674.300	1755.500	680.300	1755.500	683.300	1762.000	683.800	1800.000
GR	685.100	1900.000	685.500	1943.000	689.000	2000.000	698.400	2100.000	699.900	2111.000
SR	0.900	1.500	2.500	0.0	16.000	0.010	43.500	0.0	0.0	0.0

X1	5760.000	21.000	1746.000	1762.000	28.000	28.000	28.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	682.300	683.300	0.0	0.0	0.0	0.0	0.0
BT	16.000	1000.000	698.800	0.0	1100.000	691.600	0.0	1200.000	687.900	0.0
BT	1300.000	686.300	0.0	1400.000	685.400	0.0	1500.000	695.100	0.0	1600.000
BT	683.800	0.0	1700.000	683.300	0.0	1746.000	683.300	682.300	1762.000	683.300
BT	682.300	1800.000	683.800	0.0	1900.000	685.100	0.0	1943.000	685.500	0.0
BT	2000.000	689.000	0.0	2100.000	698.400	0.0	2111.000	699.900	0.0	0.0
GR	698.800	1000.000	691.600	1100.000	687.900	1200.000	686.300	1300.000	685.400	1400.000
GR	684.900	1500.000	683.800	1600.000	683.300	1700.000	683.300	1710.000	676.000	1746.000
GR	672.300	1746.000	672.300	1762.000	676.000	1762.000	680.200	1768.000	681.900	1800.000
GR	684.600	1872.000	685.100	1900.000	685.500	1943.000	689.000	2000.000	698.400	2100.000
GR	699.900	2111.000	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	5814.000	16.000	1539.000	1560.000	50.000	50.000	50.000	0.0	3.300	0.0
GR	698.600	1000.000	692.600	1100.000	685.200	1200.000	681.200	1300.000	681.500	1400.000
GR	681.500	1500.000	681.300	1539.000	669.700	1543.000	669.600	1546.000	669.800	1549.000
GR	678.100	1560.000	679.200	1600.000	682.900	1692.000	683.600	1700.000	696.500	1800.000
GR	698.800	1819.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	5864.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.700	0.0
BT	5.000	494.000	646.000	1018.000	1423.000	1018.000	0.0	0.0	0.0	0.0

X1	6511.000	12.000	1213.000	1252.000	647.000	647.000	647.000	0.0	-2.300	0.0
GR	705.000	1000.000	699.900	1100.000	689.300	1195.000	688.200	1213.000	683.700	1220.000
GR	683.600	1222.000	683.400	1224.000	688.800	1232.000	689.600	1300.000	689.200	1364.000
GR	694.200	1400.000	705.000	1469.000	0.0	0.0	0.0	0.0	0.0	0.0

X1	6561.000	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	6611.000	23.000	1591.500	1596.500	50.000	50.000	50.000	0.0	0.0	0.0
GR	702.200	1000.000	700.700	1100.000	696.000	1200.000	693.000	1300.000	694.100	1400.000
GR	692.300	1500.000	688.200	1550.000	687.900	1570.000	686.900	1595.000	683.000	1591.500
GR	682.500	1592.000	682.400	1573.000	682.300	1594.000	682.400	1595.000	682.500	1596.000
GR	683.000	1596.300	687.500	1604.000	688.100	1700.000	689.300	1775.000	689.600	1800.000
GR	690.000	1821.000	693.400	1900.000	704.300	1978.000	0.0	0.0	0.0	0.0
SR	0.900	1.800	2.500	0.0	5.000	0.010	11.400	0.0	0.0	0.0

X1	6640.000	0.0	0.0	0.0	29.000	29.000	29.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	685.300	687.400	0.0	0.0	0.0	0.0	0.0
BT	20.000	1000.000	702.200	0.0	1100.000	700.700	0.0	1200.000	696.000	0.0
BT	1300.000	693.000	0.0	1400.000	694.100	0.0	1500.000	692.300	0.0	1550.000
BT	688.200	0.0	1591.500	687.400	683.000	1592.000	687.400	684.300	1593.000	687.400
BT	685.100	1594.000	687.400	685.300	1595.000	687.400	685.100	1596.000	687.400	684.300
BT	1596.500	687.400	683.000	1700.000	688.100	0.0	1775.000	689.300	0.0	1800.000
BT	689.600	0.0	1821.000	690.000	0.0	1900.000	693.400	0.0	1978.000	704.300
BT	0.0	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

GR	717.200	1000.000	711.200	1100.000	705.700	1200.000	702.600	1274.000	700.400	1285.000
GR	699.200	1339.000	697.000	1342.800	695.600	1342.800	695.600	1347.300	697.000	1347.300
GR	699.300	1353.000	700.300	1373.000	703.000	1383.000	703.500	1400.000	709.900	1500.000
GR	713.600	1575.000	717.200	1636.000	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	7840.000	13.000	1279.000	1293.000	50.000	50.000	50.000	0.0	-0.700	0.0
GR	718.600	1000.000	712.300	1100.000	706.900	1200.000	701.900	1225.000	699.700	1279.000
GR	697.300	1283.000	697.100	1285.000	697.200	1287.000	700.800	1293.000	701.800	1313.000
GR	709.600	1344.000	714.600	1400.000	718.600	1437.000	0.0	0.0	0.0	0.0

X1	7890.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.800	0.0
BT	5.000	241.000	438.000	544.000	604.000	544.000	0.0	0.0	0.0	0.0

X1	8000.000	13.000	1212.000	1219.000	110.000	110.000	110.000	0.0	-2.400	0.0
GR	723.000	1000.000	714.100	1100.000	707.70	1180.000	707.600	1200.000	707.100	1212.000
GR	701.500	1215.000	701.400	1216.000	701.500	1217.000	707.400	1219.000	709.300	1300.000
GR	712.400	1356.000	721.700	1400.000	723.000	1408.000	0.0	0.0	0.0	0.0

X1	8050.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.800	0.0
NC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	8100.000	21.000	1549.000	1553.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	722.800	1000.000	719.700	1100.000	717.200	1200.000	715.900	1225.000	715.200	1250.000
GR	712.000	1300.000	709.600	1400.000	707.500	1500.000	707.700	1505.000	706.900	1515.000
GR	706.800	1535.000	706.300	1547.000	703.000	1549.000	700.600	1549.000	700.600	1553.000
GR	703.000	1553.000	706.600	1554.000	708.500	1635.000	709.100	1645.000	709.200	1650.000
GR	710.600	1683.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	4.000	0.010	22.000	0.0	0.0	0.0

X1	8149.000	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	706.100	707.500	0.0	0.0	0.0	0.0	0.0
BT	14.000	1900.900	722.800	0.0	1100.000	719.700	0.0	1200.000	717.200	0.0
BT	1225.000	715.200	0.0	1250.000	715.200	0.0	1300.000	712.000	0.0	1400.000
BT	709.600	0.0	1500.000	707.500	0.0	1549.000	707.800	706.100	1553.000	707.800
BT	706.100	1553.100	707.800	0.0	1600.000	707.900	0.0	1650.000	709.200	0.0
BT	1683.000	710.600	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	8199.000	13.000	1212.000	1219.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	723.000	1000.000	714.100	1100.000	707.700	1180.000	707.600	1200.000	707.100	1212.000
GR	701.500	1215.000	701.400	1216.000	701.500	1217.000	707.400	1219.000	709.300	1300.000
GR	712.400	1356.000	721.700	1400.000	723.000	1408.000	0.0	0.0	0.0	0.0
BT	5.000	232.000	423.000	526.000	779.000	526.000	0.0	0.0	0.0	0.0

X1	8230.000	13.000	1302.000	1320.000	31.000	31.000	31.000	0.0	-2.600	0.0
GR	726.800	1000.000	718.000	1100.000	711.600	1200.000	709.400	1300.000	709.400	1302.000
GR	705.200	1304.000	705.200	1309.000	705.500	1314.000	709.700	1320.000	712.000	1400.000
GR	717.600	1500.000	723.400	1600.000	726.800	1642.000	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	8280.000	13.000	1250.000	1254.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	726.800	1000.000	715.700	1043.000	709.300	1143.000	707.100	1243.000	707.100	1245.000
GR	709.000	1250.000	702.900	1250.000	702.900	1254.000	705.000	1254.000	707.400	1263.000
GR	709.700	1343.000	714.300	1410.000	726.800	1464.000	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	4.000	0.010	22.000	0.0	0.0	0.0

X1	8320.000	0.0	0.0	0.0	40.000	40.000	40.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	708.400	710.200	0.0	0.0	0.0	0.0	0.0
BT	10.000	1000.000	726.000	0.0	1100.000	717.600	0.0	1200.000	711.500	0.0
BT	1250.000	710.200	708.400	1254.000	710.200	708.400	1254.100	710.200	0.0	1300.000
BT	710.600	0.0	1350.000	711.300	0.0	1410.000	714.300	0.0	1464.000	726.000
BT	0.0	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

X1	8379.000	13.000	1302.000	1320.000	50.000	50.000	50.000	0.0	-1.100	0.0
GR	726.300	1000.000	718.000	1100.000	711.600	1200.000	709.400	1300.000	709.400	1302.000
GR	705.200	1304.000	705.200	1309.000	705.500	1314.000	709.700	1320.000	712.000	1400.000
GR	717.600	1500.000	723.400	1600.000	726.800	1642.000	0.0	0.0	0.0	0.0

X1	8420.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	1.100	0.0
BT	5.000	171.000	321.000	405.000	615.000	405.000	0.0	0.0	0.0	0.0

X1	8530.000	13.000	1172.000	1184.000	110.000	110.000	110.000	0.0	-6.722	0.0
GR	740.100	1000.000	750.900	1100.000	724.100	1152.000	722.600	1172.000	718.400	1176.000
GR	718.400	1180.000	718.500	1182.000	722.400	1184.000	722.600	1200.000	725.100	1300.000
GR	720.200	1400.000	736.500	1500.000	740.100	1539.000	0.0	0.0	0.0	0.0

X1	8580.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	1.500	0.0
NC	0.025	0.025	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	8630.000	28.000	1797.800	1800.300	50.000	50.000	50.000	0.0	0.0	0.0
GR	747.000	1000.000	740.200	1100.000	732.900	1200.000	730.600	1248.000	729.800	1300.000
GR	731.500	1400.000	732.100	1424.000	732.700	1494.000	732.700	1500.000	729.600	1600.000
GR	724.900	1700.000	723.600	1742.000	720.400	1771.000	718.900	1791.000	716.000	1797.800
GR	715.200	1798.000	719.800	1728.500	714.700	1799.000	714.800	1799.500	715.200	1800.000
GR	716.000	1800.300	718.700	1803.000	719.100	1819.000	721.400	1919.000	724.500	2019.000
GR	732.800	2119.000	737.100	2150.000	739.000	2191.000	0.0	0.0	0.0	0.0
SB	0.900	2.000	2.500	0.0	2.500	0.010	4.900	0.0	0.0	0.0

X1	8631.000	24.000	1797.800	1800.300	201.000	201.000	201.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	720.500	722.000	0.0	0.0	0.0	0.0	0.0
BT	22.000	1000.000	747.000	0.0	1100.000	740.200	0.0	1200.000	732.900	0.0
BT	1248.000	730.600	0.0	1300.000	729.800	0.0	1400.000	731.500	0.0	1424.000
BT	732.100	0.0	1494.000	732.700	0.0	1500.000	732.700	0.0	1600.000	729.600
BT	0.0	1700.000	724.900	0.0	1797.800	722.000	719.200	1793.000	722.000	720.000
BT	1798.500	722.000	720.400	1799.000	722.000	720.500	1799.500	722.000	720.400	1800.000
BT	722.000	720.000	1800.300	722.000	719.200	1900.000	723.000	0.0	2000.000	728.500
BT	0.0	2100.000	734.700	0.0	2191.000	739.000	0.0	0.0	0.0	0.0
GR	747.000	1000.000	740.200	1100.000	732.900	1200.000	730.600	1248.000	729.800	1300.000
GR	731.500	1400.000	732.100	1424.000	732.700	1494.000	732.700	1500.000	729.600	1600.000
GR	724.900	1700.000	723.600	1742.000	720.400	1771.000	718.900	1791.000	716.100	1798.500
GR	715.200	1799.000	719.800	1728.500	718.500	1800.000	719.200	1800.300	722.000	1803.000
GR	716.000	1800.000	728.500	2000.000	734.700	2100.000	739.000	2191.000	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	8631.000	13.000	1172.000	1184.000	50.000	50.000	50.000	0.0	-0.100	0.0
GR	740.100	1000.000	750.900	1100.000	724.100	1152.000	722.600	1172.000	718.400	1176.000
GR	718.400	1180.000	718.500	1182.000	722.400	1184.000	722.600	1200.000	725.100	1300.000
GR	720.200	1400.000	736.500	1500.000	740.100	1539.000	0.0	0.0	0.0	0.0

X1	8931.000	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.400	0.0
BT	5.000	155.000	296.000	360.000	547.000	360.000	0.0	0.0	0.0	0.0

 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

	SECCG	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
A	700.000	700.00	0.0	0.0	599.00	637.90	642.23	0.0	8.46	3757.36	3778.82	70.80	0.0
*	700.000	700.00	0.0	0.0	1252.00	637.90	644.57	644.57	5.86	1133.33	3780.38	604.64	2.33
	1500.000	800.00	0.0	0.0	595.00	640.50	647.56	0.0	6.22	1447.53	1469.37	95.64	0.0
*	1500.000	800.00	0.0	0.0	1248.00	640.50	647.87	647.87	12.17	1447.11	1469.66	102.52	0.31
*	1550.000	50.00	0.0	0.0	595.00	642.10	647.19	647.19	10.42	1450.25	1467.51	57.11	0.0
*	1550.000	50.00	0.0	0.0	1248.00	642.10	649.47	649.47	12.18	1447.11	1469.65	102.45	2.28
*	1600.000	50.00	0.0	0.0	595.00	644.30	648.35	648.35	10.76	1444.59	1461.91	57.66	0.0
*	1600.000	50.00	0.0	0.0	1248.00	644.30	651.73	651.73	8.02	1356.11	1572.39	277.21	3.38
	1650.000	50.00	650.20	648.40	595.00	644.30	650.62	0.0	6.34	1377.63	1485.13	111.28	0.0
	1650.000	50.00	650.20	648.40	1248.00	644.30	652.07	0.0	6.54	1349.30	1520.61	355.20	1.45
	1700.000	50.00	0.0	0.0	595.00	644.60	650.34	0.0	8.65	1449.36	1468.12	68.80	0.0
*	1700.000	50.00	0.0	0.0	1248.00	644.60	651.96	651.96	12.20	1447.12	1469.65	102.29	1.62
	1750.000	50.00	0.0	0.0	595.00	644.80	651.03	0.0	7.61	1448.69	1468.58	78.21	0.0
	1750.000	50.00	0.0	0.0	1248.00	644.80	653.54	0.0	9.23	1445.24	1470.93	135.20	2.51
	1814.000	164.00	0.0	0.0	595.00	645.80	652.10	0.0	6.58	1306.80	1363.00	125.47	0.0
	1814.000	164.00	0.0	0.0	1248.00	645.80	655.12	0.0	5.30	1230.28	1403.06	454.41	2.94
	1864.000	50.00	0.0	0.0	595.00	646.00	652.34	0.0	6.47	1307.09	1362.44	123.17	0.0
	1864.000	50.00	0.0	0.0	1248.00	646.00	655.17	0.0	5.60	1235.35	1400.91	428.17	2.82
	2014.000	50.00	0.0	0.0	595.00	646.30	652.86	0.0	3.81	1290.95	1433.92	251.13	0.0
	2014.000	50.00	0.0	0.0	1248.00	646.30	655.45	0.0	2.75	1240.22	1524.95	751.84	2.59
	2085.000	71.00	652.30	650.40	595.00	646.30	653.80	0.0	2.57	1272.60	1446.07	378.46	0.0
	2085.000	71.00	652.30	650.40	1248.00	646.30	655.59	0.0	2.62	1237.52	1531.22	791.76	1.79
	2135.000	50.00	0.0	0.0	595.00	646.70	653.58	0.0	5.48	1304.43	1369.88	156.25	0.0
	2135.000	50.00	0.0	0.0	1248.00	646.70	655.31	0.0	6.75	1239.14	1393.36	339.45	1.72
B	2185.000	50.00	0.0	0.0	595.00	647.10	653.64	0.0	6.07	1306.00	1365.24	134.94	0.0
	2185.000	50.00	0.0	0.0	1248.00	647.10	655.31	0.0	7.72	1241.85	1387.97	279.95	1.68

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CNSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
5814.000	50.00	0.0	0.0	496.00	672.90	684.22	0.0	2.41	1539.13	1642.65	292.96	0.0
5814.000	50.00	0.0	0.0	1024.00	672.90	684.61	0.0	4.49	1297.19	1652.52	338.29	0.40
I 5864.000	50.00	0.0	0.0	496.00	673.60	684.21	0.0	2.89	1539.37	1625.29	226.82	0.0
5864.000	50.00	0.0	0.0	1024.00	673.60	684.58	0.0	5.42	1539.25	1634.43	260.08	0.38
J 6511.000	647.00	0.0	0.0	494.00	681.10	685.88	685.88	9.71	1213.04	1231.08	50.90	0.0
* 6511.000	647.00	0.0	0.0	1018.00	681.10	688.05	688.05	7.80	1185.55	1367.80	243.80	2.18
6561.000	50.00	0.0	0.0	494.00	681.70	686.93	0.0	8.31	1205.96	1231.75	60.77	0.0
* 6561.000	50.00	0.0	0.0	1018.00	681.70	688.59	688.59	8.12	1186.16	1367.23	231.43	1.65
* 6611.000	50.00	0.0	0.0	494.00	682.30	688.11	688.11	7.96	1555.89	1700.73	112.30	0.0
6611.000	50.00	0.0	0.0	1018.00	682.30	689.27	0.0	6.44	1537.02	1772.77	334.20	1.16
6640.000	29.00	687.40	685.30	494.00	682.30	688.64	0.0	5.08	1544.52	1734.32	203.29	0.0
6640.000	29.00	687.40	685.30	1018.00	682.30	689.46	0.0	5.55	1534.54	1788.97	383.97	0.82
6715.000	75.00	0.0	0.0	494.00	682.70	688.31	687.47	7.31	1199.65	1250.33	73.97	0.0
* 6715.000	75.00	0.0	0.0	1018.00	682.70	689.70	689.70	7.58	1185.10	1368.22	253.08	1.39
6740.000	25.00	0.0	0.0	494.00	682.90	688.46	687.70	7.44	1200.49	1246.01	71.52	0.0
* 6740.000	25.00	0.0	0.0	1018.00	682.90	689.85	689.85	7.80	1185.54	1367.81	244.02	1.39
K 6765.000	25.00	0.0	0.0	291.00	683.00	689.31	0.0	3.21	1191.27	1324.76	134.55	0.0
6765.000	25.00	0.0	0.0	656.00	683.00	690.52	0.0	3.70	1180.52	1372.50	348.88	1.21
6795.000	50.00	0.0	0.0	291.00	683.40	689.32	0.0	3.84	1194.80	1276.39	94.27	0.0
6795.000	50.00	0.0	0.0	656.00	683.40	690.52	0.0	4.58	1184.08	1369.17	273.95	1.10
L 6910.000	115.00	0.0	0.0	291.00	683.60	689.55	0.0	4.21	2230.39	2333.76	101.15	0.0
6910.000	115.00	0.0	0.0	656.00	683.60	690.77	0.0	3.24	2217.59	2409.32	309.47	1.23
* M 7081.000	171.00	723.10	691.40	291.00	687.40	692.17	692.17	8.91	2248.23	2268.98	38.92	0.0
* 7081.000	171.00	723.10	691.40	656.00	687.40	693.94	0.0	5.38	2217.61	2404.04	193.37	1.77
7084.000	3.00	0.0	0.0	264.00	687.60	692.87	0.0	4.38	1205.34	1231.80	61.74	0.0
* 7084.000	3.00	0.0	0.0	592.00	687.60	693.50	693.50	7.69	1194.97	1274.75	92.70	0.63
7088.000	4.00	0.0	0.0	264.00	687.80	693.15	0.0	2.28	1282.23	1375.59	167.69	0.0
7088.000	4.00	0.0	0.0	592.00	687.80	694.38	0.0	2.62	1276.10	1300.47	289.02	1.23
* N 7790.000	702.00	701.60	700.10	264.00	695.60	699.48	699.45	7.19	1307.49	1356.68	52.80	0.0
7790.000	702.00	701.60	700.10	592.00	695.60	702.97	0.0	1.86	1266.07	1382.90	374.12	3.49
* 7840.000	50.00	0.0	0.0	264.00	696.40	699.99	699.99	7.37	1254.72	1292.82	44.90	0.0
7840.000	50.00	0.0	0.0	592.00	696.40	702.94	0.0	3.59	1216.31	1320.31	288.58	2.95
* 7890.000	50.00	0.0	0.0	264.00	697.20	700.80	700.80	7.31	1254.40	1292.84	45.47	0.0
7890.000	50.00	0.0	0.0	592.00	697.20	702.91	0.0	5.05	1220.42	1317.04	206.04	2.11
* O 8000.000	110.00	0.0	0.0	241.00	699.00	704.32	704.32	10.72	1212.20	1218.77	22.47	0.0
* 8090.000	110.00	0.0	0.0	544.00	699.00	706.46	706.46	7.63	1165.45	1281.42	133.96	2.14
8050.000	50.00	0.0	0.0	241.00	699.80	706.39	705.17	6.66	1176.28	1244.47	54.16	0.0
* 8050.000	50.00	0.0	0.0	544.00	699.80	707.20	707.20	8.21	1166.25	1278.69	126.66	0.81

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SECNO	XLCH	ELIRD	ELLC	U	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
8100.000	50.00	0.0	0.0	241.00	700.60	706.25	0.0	9.82	1547.03	1553.90	27.24	0.0
* 8100.000	50.00	0.0	0.0	544.00	700.60	707.94	707.94	7.66	1478.91	1611.25	128.96	1.70
8149.000	49.00	707.50	706.10	241.00	700.60	707.94	0.0	3.39	1478.82	1611.33	129.21	0.0
8149.000	49.00	707.50	706.10	544.00	700.60	708.77	0.0	3.55	1439.60	1639.47	267.98	0.82
8199.000	50.00	0.0	0.0	241.00	701.40	707.10	0.0	9.62	1211.89	1218.90	25.05	0.0
* 8199.000	50.00	0.0	0.0	544.00	701.40	708.87	708.87	7.79	1165.37	1281.69	134.70	1.77
P 8230.000	31.00	0.0	0.0	232.00	702.40	708.67	0.0	1.77	1206.03	1381.46	249.03	0.0
8230.000	31.00	0.0	0.0	526.00	702.40	709.45	0.0	2.66	1189.77	1404.54	405.04	0.78
8230.000	50.00	0.0	0.0	232.00	702.90	708.67	0.0	2.52	1171.15	1307.54	147.05	0.0
8280.000	50.00	0.0	0.0	526.00	702.90	709.48	0.0	2.90	1140.15	1335.43	231.71	0.81
8320.000	40.00	710.20	708.40	232.00	702.90	710.70	0.0	0.55	1121.10	1357.59	547.11	0.0
8320.000	40.00	710.20	708.40	526.00	702.90	711.60	0.0	0.81	1106.95	1370.78	773.69	0.90
8370.000	50.00	0.0	0.0	232.00	704.10	710.69	0.0	1.50	1197.09	1392.54	308.51	0.0
8370.000	50.00	0.0	0.0	526.00	704.10	711.58	0.0	2.16	1183.11	1412.15	499.70	0.90
Q 8420.000	50.00	0.0	0.0	232.00	705.20	710.65	0.0	2.60	1243.09	1353.11	132.67	0.0
8420.000	50.00	0.0	0.0	526.00	705.20	711.51	0.0	3.92	1203.89	1383.09	257.36	0.86
* R 8530.000	110.00	0.0	0.0	171.00	711.70	714.72	714.72	8.27	1173.69	1183.50	20.68	0.0
* 8530.000	110.00	0.0	0.0	405.00	711.70	716.91	716.91	7.42	1158.54	1235.19	82.89	2.19
* 8580.000	50.00	0.0	0.0	171.00	713.20	716.22	716.22	8.28	1173.69	1183.50	20.64	0.0
* 8580.000	50.00	0.0	0.0	405.00	713.20	718.39	718.39	7.51	1158.82	1234.28	61.31	2.17
* 8630.000	50.00	0.0	0.0	171.00	714.70	719.24	719.24	7.10	1786.52	1824.90	34.29	0.0
* 8630.000	50.00	0.0	0.0	405.00	714.70	719.98	719.98	8.61	1776.62	1857.20	78.48	0.74
8831.000	201.00	722.00	720.50	171.00	718.00	723.00	0.0	4.38	1763.90	1857.11	71.96	0.0
8831.000	201.00	722.00	720.50	405.00	718.00	723.62	0.0	5.42	1742.72	1890.87	147.53	0.63
8881.000	50.00	0.0	0.0	171.00	718.30	723.01	0.0	4.07	1165.17	1213.58	51.82	0.0
8881.000	50.00	0.0	0.0	405.00	718.30	723.49	723.49	7.51	1158.83	1234.26	81.27	0.48
S 8931.000	50.00	0.0	0.0	171.00	718.70	723.11	0.0	4.68	1169.22	1200.56	59.72	0.0
* 8931.000	50.00	0.0	0.0	405.00	718.70	723.90	723.90	7.48	1156.73	1234.59	31.85	0.79
8975.000	44.00	0.0	0.0	155.00	719.90	723.16	0.0	6.23	1140.21	1151.80	24.89	0.0
8975.000	44.00	0.0	0.0	360.00	719.90	724.48	0.0	6.41	1138.31	1216.44	89.97	1.30
T 9025.000	50.00	0.0	0.0	155.00	720.30	723.71	0.0	5.86	1140.02	1151.92	26.46	0.0
* 9025.000	50.00	0.0	0.0	360.00	720.30	724.84	724.84	6.65	1138.33	1215.25	86.10	1.13
* 9075.000	50.00	0.0	0.0	155.00	720.60	724.57	724.57	6.40	1189.58	1254.02	41.98	0.0
9075.000	50.00	0.0	0.0	360.00	720.60	725.36	0.0	5.80	1187.51	1272.93	101.37	0.80
U 9224.000	149.00	730.40	728.60	155.00	726.60	731.17	0.0	2.90	1187.50	1314.36	95.03	0.0
9224.000	149.00	730.40	728.60	360.00	726.60	731.61	0.0	4.01	1181.16	1350.74	159.72	0.44
9274.000	50.00	0.0	0.0	155.00	727.50	730.92	0.0	5.05	1140.02	1151.92	26.47	0.0
* 9274.000	50.00	0.0	0.0	360.00	727.50	731.97	731.97	6.98	1138.48	1213.66	81.03	1.06

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SECNO	XLCH	ELTRD	ELLC	Q	ELFIN	CWSEL	CRUS	VCH	SSTA	ENDST	AREA	DIFWSP
✓ 9324.000	50.00	0.0	0.0	155.00	728.40	731.23	731.22	7.80	1140.88	1151.39	19.87	0.0
9324.000	50.00	0.0	0.0	360.00	728.40	732.90	732.90	6.84	1134.44	1214.32	83.12	1.68
+W 9500.000	176.00	0.0	0.0	150.00	745.50	746.90	746.80	4.64	1288.09	1337.70	32.50	0.0
9500.000	176.00	0.0	0.0	350.00	745.50	747.24	747.34	5.54	1265.21	1338.40	44.67	0.54

SUMMARY OF ERRORS

CAUTION SECNO= 700.000 PROFILE= 2 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 1500.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 1500.000 PROFILE= 2 MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 1550.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 1550.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 1550.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 1550.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 1550.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 1600.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 1600.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 1600.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 1600.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 1600.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 1600.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 1700.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 1700.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 1700.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 3020.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3020.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3020.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 3020.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3020.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3020.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 3830.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3830.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3830.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 3830.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3830.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3830.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 3880.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3880.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 4060.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 4060.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 4060.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 4060.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 4060.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 4060.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 4110.000 PROFILE= 1 CRITICAL DEPTH ASSUMED

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CAUTION SECNO= 9500.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
 CAUTION SECNO= 9500.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 9500.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 9500.000 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:		
		100	20	0.20
700.000	0.	642.2	644.6	0.0
1500.000	800.	639.1	639.4	****
1550.000	850.	****	****	****
1600.000	900.	0.8	4.2	****
1650.000	950.	650.6	652.1	0.0
1700.000	1000.	55.3	57.0	47.1
1750.000	1050.	****	****	****
1914.000	1214.	652.2	655.1	0.0
1964.000	1264.	641.6	644.4	****
2014.000	1314.	****	****	****
2085.000	1385.	3.2	5.0	****
2135.000	1435.	653.6	655.3	0.0
2185.000	1485.	58.6	60.3	49.6
2229.000	2229.	****	****	****
2279.000	2279.	657.1	658.5	0.0
3020.000	2329.	651.0	652.1	****
3079.000	2388.	****	****	****
3129.000	2438.	9.0	9.9	****
3179.000	2488.	661.2	662.1	0.0
3830.000	3139.	67.6	68.2	51.0
3880.000	3189.	****	****	****
3930.000	3239.	663.4	664.1	0.0
4010.000	3319.	659.6	660.3	****
4060.000	3369.	****	****	****
4110.000	3419.	10.4	10.9	****
5514.000	4823.	670.9	672.8	0.0
5564.000	4873.	76.2	78.2	51.7
5614.000	4923.	****	****	****
5667.000	4996.	680.1	681.7	0.0
5702.000	5011.	673.9	675.4	****
5736.000	5045.	****	****	****
5764.000	5073.	27.4	27.9	****
5814.000	5123.	684.2	684.6	0.0
5864.000	5173.	90.2	90.6	59.6
6511.000	5820.	****	****	****
6561.000	5870.	686.5	688.6	0.0
6611.000	5920.	679.3	681.1	****
6640.000	5949.	****	****	****
6719.000	6024.	27.1	28.5	****
6740.000	6049.	688.5	689.9	0.0
6765.000	6074.	95.3	96.5	60.3
6795.000	6124.	****	****	****
6910.000	6237.	689.5	690.8	0.0
7001.000	6410.	690.7	692.5	****
7060.000	6413.	****	****	****
7088.000	6417.	30.6	31.8	0.0
7790.000	7119.	699.5	703.0	11.0
7840.000	7159.	137.0	139.9	95.1
7890.000	7219.	****	****	****
8000.000	7329.	704.5	706.5	0.0

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8050.000	7379.	702.0	702.8	*****
8100.000	7429.	*****	*****	*****
8149.000	7478.	44.6	45.4	*****
8199.000	7528.	707.1	708.9	0.0
8230.000	7559.	145.7	146.5	95.8
8280.000	7609.	*****	*****	*****
8320.000	7649.	710.7	711.6	0.0
8370.000	7699.	704.4	705.3	*****
8420.000	7749.	*****	*****	*****
8530.000	7859.	43.8	46.0	*****
8580.000	7909.	716.2	718.4	0.0
8630.000	7959.	180.2	181.0	129.1
8631.000	8160.	*****	*****	*****
8681.000	8210.	723.0	723.5	0.0
8731.000	8260.	713.7	714.5	*****
8775.000	8304.	*****	*****	*****
9025.000	8354.	43.6	44.7	*****
9075.000	8404.	724.6	725.4	0.0
9224.000	8553.	235.2	235.6	173.6
9274.000	8603.	*****	*****	*****
9324.000	8653.	731.2	732.9	0.0
9500.000	8829.	741.3	741.8	*****

WEIGHTED AVG FOR REACH 51.5 52.9 ****

FHE FOR THE REACH = .005 WITH 1.2% 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.	FHE	PERCENT WITHIN
		10'	1'	DIFF.			
	0.				SEC.	700.000	
1	100.	642.6	0.5	642.0	642.0	.005	100.
2	200.	643.2	1.6	641.6	641.8	.005	100.
3	300.	643.9	2.6	641.3	641.6	.005	100.
4	400.	644.6	3.7	640.9	641.5	.005	50.
5	500.	645.2	4.8	640.5	641.3	.005	60.
6	600.	645.9	5.8	640.1	641.1	.005	33.
7	700.	646.6	6.9	639.7	640.9	.005	43.
	800.				SEC.	1500.000	
8	800.	647.3	7.9	639.3	640.7	.005	25.
	850.				SEC.	1550.000	
9	900.	648.0	8.0	319.3	605.0	.005	0.
	900.				SEC.	1600.000	
	950.				SEC.	1650.000	
10	1000.	650.5	297.5	353.0	579.8	.005	0.
	1000.				SEC.	1700.000	
	1050.				SEC.	1750.000	
11	1100.	651.2	1243.6	-592.6	473.2	.005	0.
12	1200.	651.7	572.7	75.0	440.4	.005	0.
	1214.				SEC.	1914.000	
	1264.				SEC.	1934.000	
13	1300.	652.5	600.9	51.6	410.5	.005	0.
	1314.				SEC.	2014.000	
	1385.				SEC.	2085.000	
14	1400.	653.0	553.0	100.7	388.4	.005	0.
	1435.				SEC.	2135.000	
	1485.				SEC.	2185.000	

15	1500.	653.7	603.6	49.9	365.8	005	0.
16	1600.	653.9	671.3	-17.4	341.0	005	0.
17	1700.	654.3	788.6	-134.3	313.8	005	0.
18	1800.	654.8	906.0	-251.2	282.4	005	0.
19	1900.	655.2	1023.3	-368.1	248.2	005	0.
20	2000.	655.6	1140.7	-485.1	211.5	005	0.
21	2100.	656.1	1258.1	-602.0	172.8	005	0.
22	2200.	656.5	1375.4	-718.9	132.3	005	0.
	2229.				SEC.	2929.000	
	2279.				SEC.	2979.000	
23	2300.	657.9	1.6	655.8	155.0	005	0.
	2329.				SEC.	3020.000	
	2388.				SEC.	3079.000	
24	2400.	661.2	1762.6	*****	102.7	005	0.
	2438.				SEC.	3129.000	
	2488.				SEC.	3179.000	
25	2500.	661.2	5.5	655.7	124.8	005	0.
26	2600.	661.3	56.7	604.7	143.3	005	0.
27	2700.	661.5	148.1	513.5	157.0	005	0.
28	2800.	661.7	239.5	422.3	166.4	005	0.
29	2900.	662.0	330.9	331.1	172.1	005	0.
30	3000.	662.2	422.3	239.9	174.4	005	0.
31	3100.	662.4	513.7	148.7	173.6	005	0.
	3139.				SEC.	3830.000	
	3189.				SEC.	3880.000	
32	3200.	663.0	1212.6	-549.6	151.0	005	0.
	3239.				SEC.	3930.000	
33	3300.	663.2	532.0	130.4	150.3	005	0.
	3319.				SEC.	4010.000	
	3369.				SEC.	4060.000	
34	3400.	663.7	1641.3	-977.3	117.2	005	0.
	3419.				SEC.	4110.000	
35	3500.	664.2	906.9	-242.7	106.9	005	0.
36	3600.	664.8	592.8	72.0	105.9	005	0.
37	3700.	665.2	546.2	119.0	106.3	005	0.
38	3800.	665.7	499.7	166.1	107.6	005	0.
39	3900.	666.2	453.1	213.1	110.5	005	0.
40	4000.	666.7	406.5	260.2	114.3	005	0.
41	4100.	667.2	360.0	307.2	119.0	005	0.
42	4200.	667.7	313.4	354.3	124.6	005	0.
43	4300.	668.2	266.8	401.3	131.0	005	0.
44	4400.	668.6	220.3	448.4	138.2	005	0.
45	4500.	669.1	173.7	495.4	146.2	005	0.
46	4600.	669.6	127.1	542.5	154.6	005	0.
47	4700.	670.1	80.7	589.5	164.0	005	0.
48	4800.	670.6	34.6	636.6	173.9	005	0.
	4823.				SEC.	5514.000	
	4873.				SEC.	5564.000	
49	4900.	672.3	804.2	-131.9	167.6	005	0.
	4923.				SEC.	5614.000	
	4926.				SEC.	5687.000	
50	5000.	680.1	0.8	679.3	177.2	005	0.
	5011.				SEC.	5702.000	
	5045.				SEC.	5736.000	
	5073.				SEC.	5764.000	
51	5100.	684.2	479.1	204.9	178.4	005	0.
	5123.				SEC.	5814.000	
	5173.				SEC.	5864.000	
52	5200.	684.2	618.5	65.8	176.2	005	0.
53	5300.	684.4	733.5	-49.1	172.0	005	0.
54	5400.	684.7	914.7	-230.0	164.5	005	0.
55	5500.	684.9	1095.9	-411.0	154.1	005	0.
56	5600.	685.2	1277.1	-591.9	140.8	005	0.
57	5700.	685.4	1458.2	-772.0	124.7	005	0.
58	5800.	685.7	1639.4	-953.7	106.1	005	0.
	5820.				SEC.	6511.000	

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59	5870.					SEC. 6561.000	
	5900.	687.3	2.5	684.8	115.9	005	0.
	5920.					SEC. 6611.000	
	5949.					SEC. 6640.000	
60	6000.	688.5	2256.9	*****	87.9	005	0.
	6024.					SEC. 6715.000	
	6049.					SEC. 6740.000	
	6074.					SEC. 6765.000	
61	6100.	689.3	909.6	-220.3	82.8	005	0.
	6124.					SEC. 6795.000	
62	6200.	689.4	919.2	-229.8	77.8	005	0.
	6239.					SEC. 6910.000	
63	6300.	690.0	306.8	383.2	82.6	005	0.
64	6400.	691.2	1.0	690.3	92.1	005	0.
	6410.					SEC. 7081.000	
	6413.					SEC. 7084.000	
	6417.					SEC. 7088.000	
65	6500.	693.5	623.4	70.1	91.8	005	0.
66	6600.	694.3	537.0	157.3	92.8	005	0.
67	6700.	695.3	442.7	252.6	95.2	005	0.
68	6800.	696.2	348.3	347.9	98.9	005	0.
69	6900.	697.1	253.8	443.2	103.9	005	0.
70	7000.	698.0	159.5	538.5	110.1	005	0.
71	7100.	698.9	65.1	633.7	117.4	005	0.
	7119.					SEC. 7790.000	
	7169.					SEC. 7840.000	
72	7200.	700.2	792.4	-92.1	114.5	005	0.
	7219.					SEC. 7890.000	
73	7300.	701.9	682.6	19.3	113.2	005	0.
	7329.					SEC. 8000.000	
	7379.					SEC. 8050.000	
74	7400.	706.4	645.6	-139.2	109.8	005	0.
	7429.					SEC. 8100.000	
	7478.					SEC. 8149.000	
75	7500.	707.8	517.4	150.3	110.9	005	0.
	7528.					SEC. 8199.000	
	7559.					SEC. 8270.000	
76	7600.	708.7	866.4	-157.3	107.4	005	0.
	7609.					SEC. 8280.000	
	7649.					SEC. 8320.000	
	7699.					SEC. 8370.000	
77	7700.	710.7	61.4	649.3	114.4	005	0.
	7749.					SEC. 8420.000	
78	7800.	711.6	1692.8	-980.9	100.4	005	1.
	7859.					SEC. 8530.000	
79	7900.	714.2	1694.7	-960.4	86.7	005	0.
	7909.					SEC. 8580.000	
	7959.					SEC. 8630.000	
80	8000.	719.6	623.7	95.9	86.8	005	0.
81	8100.	720.9	915.0	-194.1	83.3	005	0.
	8160.					SEC. 8831.000	
82	8200.	722.4	697.8	28.7	82.6	005	0.
	8210.					SEC. 8881.000	
	8260.					SEC. 8931.000	
83	8300.	723.1	2590.1	*****	59.1	005	0.
	8304.					SEC. 8975.000	
	8354.					SEC. 9025.000	
84	8400.	724.1	367.3	356.9	62.7	005	0.
	8404.					SEC. 9075.000	
85	8500.	726.7	197.0	539.7	68.3	005	0.
	8553.					SEC. 9224.000	
86	8600.	729.9	936.2	-206.3	65.1	005	0.
	8603.					SEC. 9274.000	
	8653.					SEC. 9324.000	
87	8700.	733.3	0.7	732.6	72.8	005	0.
88	8800.	739.8	3.1	736.8	80.3	005	0.

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