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

C
 T1 ANDERSON CREEK
 T2 FIS. CABARRUS CO. JOB NO. 207022
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	IC0	MINV	IGIR	STRT	METRIC	HVINS	Q	WSEL	EQ
	-1.	4.	0.	0.	0.0	0.0	0.0	0.	492.630	0.0
J2	UPROP	IPLOT	PKFVS	XSECV	XSECH	FM	ALLOC	IBV	CHUM	ITRACE
	1.0	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
J3	VARIABLE CORRS 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	55.000	50.000	0.0	200.000	0.0	0.0	0.0	0.0	0.0
IC	0.100	0.100	0.000	0.100	0.300	0.0	0.0	0.0	0.0	0.0
IT	5.000	1720.000	200.000	3500.000	5420.000	3500.000	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	7.100	1050.000	1225.000	0.0	0.0
SI	1325.000	9.000	1002.000	1162.000	1325.000	1325.000	1325.000	0.0	0.0	0.0
SR	500.000	775.000	000.000	200.000	477.000	1122.000	472.200	1132.000	471.200	1146.000
SP	471.000	1156.000	073.000	1162.000	400.000	1400.000	500.000	1500.000	0.0	0.0
IC	0.100	0.100	0.000	0.100	0.350	0.0	0.0	0.0	0.0	0.0
IT	5.000	1610.000	200.000	3200.000	5100.000	3200.000	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	450.200	0.0	0.0	0.0	0.0
SI	4950.000	12.000	1156.000	1204.000	4625.000	4625.000	4625.000	0.0	-0.860	0.0
SR	475.600	1000.000	000.000	1050.000	407.200	1100.000	446.200	1156.000	470.160	1160.000

ET	0.0	0.0	0.0	0.0	0.0	250,200	0.0	0.0	0.0	0.0
X1	5950.000	12.000	1156.000	1204.000	4625.000	4625.000	4625.000	0.0	-0.860	0.0
GR	493.600	1000.000	489.000	1050.000	487.200	1100.000	486.200	1156.000	478.100	1160.000
GR	477.900	1166.000	478.000	1193.000	483.700	1204.000	486.200	1250.000	485.500	1300.000
GR	489.000	1342.000	493.300	1380.000	0.0	0.0	0.0	0.0	0.0	0.0

X1	5975.000	0.0	0.0	0.0	25.000	25.000	25.000	0.0	0.130	0.0
VC	0.060	0.060	0.040	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	-10,400	0.0	0.0	0.0	0.0

X1	6000.000	21.000	1200.900	1229.100	25.000	25.000	25.000	0.0	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	489.300	489.300	0.0
GR	501.500	1000.000	501.500	1050.000	493.000	1064.000	491.900	1100.000	490.500	1150.000
GR	489.000	1200.000	489.000	1200.800	489.000	1200.900	477.300	1200.900	477.300	1215.000
GR	477.300	1229.100	489.000	1229.100	489.000	1229.200	489.000	1230.000	489.300	1250.000
GR	490.200	1300.000	491.100	1350.000	491.900	1400.000	492.700	1444.000	501.900	1450.000
GR	502.400	1500.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SB	1.250	1.500	3.000	0.0	19,800	1.800	315.900	0.0	477.610	477.290

MC 601

X1	6077.000	21.000	1200.900	1229.100	77.000	77.000	77.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	489.300	501.460	0.0	0.0	0.0	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	501.500	501.600	0.0
BT	17.000	1000.000	501.500	0.0	1050.000	501.500	0.0	1100.000	501.600	0.0
BT	1150.000	501.500	0.0	1200.000	501.500	0.0	1200.800	501.500	0.0	1200.900
BT	591.500	489.300	1215.000	501.500	489.300	1229.100	501.600	489.300	1229.200	501.600
BT	0.0	1230.000	501.600	0.0	1250.000	501.500	0.0	1300.000	501.700	0.0
BT	1350.000	501.700	0.0	1400.000	501.700	0.0	1450.000	501.900	0.0	1500.000
BT	502.400	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GR	501.500	1000.000	501.500	1050.000	493.300	1064.000	492.300	1100.000	490.800	1150.000
GR	489.300	1200.000	489.300	1200.800	489.300	1200.900	477.600	1200.900	477.600	1215.000
GR	477.600	1229.100	489.300	1229.100	489.300	1229.200	489.300	1230.000	489.700	1250.000
GR	490.200	1300.000	491.400	1350.000	492.300	1400.000	493.000	1444.000	501.900	1450.000
GR	502.400	1500.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VC	0.120	0.120	0.040	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	-10,400	0.0	0.0	0.0	0.0

X1	6102.000	12.000	1156.000	1204.000	25.000	25.000	25.000	0.0	-0.130	0.0
GR	493.600	1000.000	489.000	1050.000	487.200	1100.000	486.200	1156.000	478.100	1160.000
GR	477.900	1166.000	478.000	1193.000	483.700	1204.000	486.200	1250.000	485.500	1300.000
GR	489.000	1342.000	493.300	1380.000	0.0	0.0	0.0	0.0	0.0	0.0

GR	501.500	1000.000	501.500	1000.000	489.300	1200.900	477.600	1200.900	477.600	1215.000
GR	489.300	1200.000	489.300	1200.800	489.300	1229.200	489.300	1230.000	489.700	1250.000
GP	477.600	1229.100	489.300	1229.100	489.300	1400.000	493.000	1444.000	501.900	1450.000
GR	490.500	1300.000	491.400	1350.000	492.300	0.0	0.0	0.0	0.0	0.0
GR	502.400	1500.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.120	0.120	0.040	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0

X1	6102.000	12.000	1156.000	1204.000	25.000	25.000	25.000	0.0	-0.130	0.0
GR	493.600	1000.000	489.000	1050.000	487.200	1100.000	486.200	1156.000	479.100	1160.000
GR	477.900	1166.000	478.000	1193.000	483.700	1204.000	486.200	1250.000	485.500	1300.000
GR	489.000	1342.000	493.300	1380.000	0.0	0.0	0.0	0.0	0.0	0.0

X1	6127.000	0.0	0.0	0.0	25.000	25.000	25.000	0.0	0.130	0.0
NC	0.095	0.095	0.045	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	1570.000	2620.000	3220.000	4990.000	3220.000	0.0	0.0	0.0	0.0

X1	8675.000	14.000	1122.000	1162.000	2548.000	2548.000	2548.000	0.0	0.0	0.0
GR	496.400	1000.000	490.400	1050.000	488.700	1100.000	487.800	1122.000	482.200	1132.000
GR	481.200	1146.000	481.800	1156.000	488.100	1162.000	488.100	1200.000	488.900	1300.000
GR	490.300	1400.000	492.600	1500.000	494.700	1600.000	496.300	1689.000	0.0	0.0

X1	89.570	0.0	0.0	0.0	182.000	182.000	182.000	0.0	1.100	0.0
NC	0.120	0.060	0.040	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	1490.000	2510.000	3070.000	4780.000	3070.000	0.0	0.0	0.0	0.0

X1	90.390	12.000	1195.000	1235.000	182.000	182.000	182.000	0.0	-1.100	0.0
GR	500.800	1000.000	497.200	1100.000	493.300	1195.000	485.800	1207.000	484.600	1220.000
GR	484.800	1225.000	492.600	1235.000	493.300	1250.000	493.500	1300.000	493.900	1400.000
GR	495.800	1444.000	500.400	1455.000	0.0	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	7.100	1152.000	1352.000	0.0	0.0

X1	9221.000	0.0	0.0	0.0	182.000	182.000	182.000	0.0	1.100	0.0
ET	0.0	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0

X1	9246.000	0.0	0.0	0.0	25.000	25.000	25.000	0.0	0.300	0.0
NC	0.060	0.060	0.045	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	9271.000	23.000	1200.000	1254.000	25.000	25.000	25.000	0.0	0.0	0.0
GR	503.100	1000.000	500.000	1050.000	497.900	1100.000	496.600	1150.000	495.900	1199.800
GR	495.900	1199.900	492.100	1200.000	490.700	1213.500	497.700	1213.500	496.900	1214.500
GR	490.700	1214.500	489.100	1220.000	486.600	1226.000	486.400	1227.000	483.900	1236.000
					496.000	1254.100	496.000	1254.200	496.600	1300.000

X1	11300.000	0.0	0.0	0.0	24.500	24.500	24.500	0.0	0.200	0.0
NH	3.000	0.100	1100.000	0.060	1400.000	0.090	2100.000	0.0	0.0	0.0

X1	11325.000	19.000	1212.000	1252.000	24.500	24.500	24.500	0.0	0.0	0.0
GR	506.600	1000.000	499.700	1100.000	497.800	1200.000	497.600	1211.900	497.600	1212.000
GR	491.400	1223.000	490.300	1232.000	491.000	1241.000	497.900	1252.000	497.900	1252.100
GR	496.900	1300.000	497.600	1400.000	498.000	1500.000	498.300	1600.000	497.900	1700.000
GR	498.200	1800.000	500.200	1900.000	502.900	2000.000	505.800	2100.000	0.0	0.0

X1	11826.000	0.0	0.0	0.0	1.000	1.000	1.000	0.0	0.0	0.0
BT	17.000	1000.000	506.600	0.0	1100.000	499.700	0.0	1200.000	497.800	0.0
BT	1211.900	498.600	0.0	1212.000	498.600	497.600	1232.000	498.100	497.100	1252.000
BT	498.900	497.900	1252.100	498.900	0.0	1300.000	496.900	0.0	1400.000	497.600
BT	0.0	1500.000	498.000	0.0	1600.000	498.300	0.0	1700.000	497.900	0.0
BT	1800.000	498.200	0.0	1900.000	500.200	0.0	2000.000	502.900	0.0	2100.000
BT	505.800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FARM TRAIL

ELRD 498.9 ELLC 497.9

X1	11337.000	0.0	0.0	0.0	11.000	11.000	11.000	0.0	0.0	0.0
X2	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0	0.0

X1	11338.000	0.0	0.0	0.0	1.000	1.000	1.000	0.0	0.0	0.0
NH	5.000	0.120	1200.000	0.085	1216.000	0.450	1248.000	0.085	1300.000	0.095
NH	2000.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	11963.000	16.000	1216.000	1248.000	24.500	24.500	24.500	0.0	2.000	0.0
GR	507.500	1000.000	500.100	1100.000	496.100	1200.000	497.600	1216.000	499.700	1220.000
GR	498.900	1229.000	490.200	1246.000	497.500	1248.000	498.100	1300.000	498.000	1400.000
GR	498.100	1500.000	498.000	1600.000	497.900	1700.000	498.100	1800.000	499.900	1900.000
GR	507.500	2000.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0

X1	11800.000	0.0	0.0	0.0	24.500	24.500	24.500	0.0	0.200	0.0
JC	0.065	0.085	0.095	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	1410.000	2260.000	2900.000	4520.000	2900.000	0.0	0.0	0.0	0.0

X1	13050.000	18.000	1495.000	1495.000	1962.000	1962.000	1962.000	0.0	0.0	0.0
GR	520.000	975.000	510.300	1000.000	503.600	1100.000	503.500	1200.000	504.200	1300.000
GR	504.300	1400.000	504.000	1455.000	495.600	1480.000	495.000	1482.000	496.100	1488.000
GR	504.600	1495.000	504.000	1500.000	503.700	1550.000	505.500	1600.000	507.200	1631.000

X1	11883.000	0.0	0.0	0.0	24.500	24.500	24.500	0.0	0.200	0.0
NC	0.065	0.085	0.045	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	1410.000	2360.000	2900.000	4520.000	2900.000	0.0	0.0	0.0	0.0

X1	13350.000	18.000	1455.000	1495.000	1962.000	1962.000	1962.000	0.0	0.0	0.0
GR	520.000	975.000	510.300	1000.000	503.600	1100.000	503.500	1200.000	504.200	1300.000
GR	504.300	1400.000	504.000	1455.000	495.600	1480.000	495.000	1482.000	496.100	1488.000
GR	504.600	1495.000	504.400	1500.000	503.700	1550.000	505.500	1600.000	507.200	1631.000
GR	500.800	1650.000	510.300	1678.000	520.000	1700.000	0.0	0.0	0.0	0.0
NC	0.120	0.120	0.040	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	1340.000	2250.000	2760.000	4310.000	2760.000	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	7.100	1315.000	1490.000	0.0	0.0

X1	16241.000	13.000	1375.000	1425.000	2391.000	2391.000	2391.000	0.0	0.0	0.0
GR	510.900	1000.000	514.900	1100.000	510.000	1200.000	509.000	1300.000	510.300	1375.000
GR	501.400	1382.000	502.600	1408.000	511.100	1425.000	510.000	1450.000	509.700	1500.000
GR	510.300	1511.000	516.900	1600.000	518.300	1620.000	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0

X1	16266.000	0.0	0.0	0.0	25.000	25.000	25.000	0.0	0.400	0.0
NC	0.060	0.060	0.040	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	7.100	1299.950	1340.070	0.0	0.0

X1	16291.000	21.000	1300.000	1340.000	25.000	25.000	25.000	0.0	0.0	0.0
GR	517.400	1000.000	514.900	1050.000	513.300	1100.000	512.200	1150.000	511.400	1200.000
GR	511.500	1250.000	512.900	1299.800	512.600	1299.900	506.200	1300.000	506.200	1304.000
GR	502.200	1308.000	502.900	1320.000	503.000	1328.000	505.600	1335.000	506.500	1340.000
GR	512.100	1340.100	512.100	1340.200	512.100	1350.000	512.900	1400.000	515.000	1450.000
GR	517.900	1500.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	16292.000	0.0	0.0	0.0	1.000	1.000	1.000	0.0	0.0	0.0
BT	17.000	1000.000	517.400	0.0	1050.000	514.900	0.0	1100.000	513.300	0.0
BT	1150.000	512.200	0.0	1200.000	511.400	0.0	1250.000	511.500	0.0	1299.800
BT	512.000	0.0	1299.900	514.800	0.0	1300.000	514.800	509.700	1320.000	514.800
BT	509.700	1340.000	514.900	509.800	1340.100	514.900	0.0	1340.200	512.100	0.0
BT	1350.000	512.100	0.0	1400.000	512.900	0.0	1450.000	515.000	0.0	1500.000
BT	517.900	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PCSR 1145 TROUTMAN ROAD

ELRD 514.9 ELLC 512.7

X1	16308.000	0.0	0.0	0.0	15.800	15.800	15.800	0.0	0.0	0.0
X2	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0	0.0

X1	16309.000	0.0	0.0	0.0	1.000	1.000	1.000	0.0	0.0	0.0
NC	0.120	0.120	0.040	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	16334.000	13.000	1325.000	1359.000	25.000	25.000	25.000	0.0	1.000	0.0
GR	517.600	1000.000	511.500	1100.000	509.400	1200.000	509.500	1300.000	510.500	1325.000
GR	501.600	1334.000	501.400	1338.000	502.000	1355.000	509.000	1359.000	510.100	1400.000
GR	511.600	1469.000	513.000	1500.000	517.300	1520.000	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	7.100	1152.760	1413.440	0.0	0.0
X1	16359.000	0.0	0.0	0.0	25.000	25.000	25.000	0.0	0.200	0.0
NH	4.000	0.100	1200.000	0.070	1294.000	0.045	1326.000	0.065	1335.000	0.0
QT	5.000	1040.000	1760.000	2170.000	3420.000	2170.000	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0
X1	19500.000	11.000	1234.000	1326.000	3241.000	3241.000	3241.000	0.0	0.0	0.0
GR	523.000	1000.000	525.000	1050.000	525.500	1100.000	522.100	1200.000	519.700	1294.000
GR	513.900	1304.000	513.000	1319.000	519.800	1326.000	518.800	1350.000	519.400	1355.000
GR	522.300	1385.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	7.100	1245.750	1370.850	0.0	0.0
X1	22250.000	0.0	0.0	0.0	2650.000	2650.000	2650.000	0.0	10.670	0.0
NH	4.000	0.095	1100.000	0.065	1175.000	0.045	1310.000	0.110	1365.000	0.0
QT	5.000	650.000	1130.000	1400.000	2550.000	1400.000	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0
X1	24910.000	9.000	1193.000	1204.000	2650.000	2650.000	2650.000	0.0	0.0	0.0
GR	549.500	1000.000	543.300	1100.000	544.500	1175.000	535.200	1193.000	534.400	1201.000
GR	535.000	1204.000	541.600	1310.000	544.400	1335.000	549.500	1365.000	0.0	0.0
NC	0.120	0.120	0.040	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	620.000	1050.000	1340.000	2150.000	1340.000	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	7.100	1224.100	1257.770	0.0	0.0
X1	27600.000	10.000	1221.000	1259.000	2700.000	2700.000	2700.000	0.0	0.0	0.0
GR	552.900	1000.000	556.400	1100.000	554.400	1200.000	554.400	1221.000	548.000	1234.000
GR	547.600	1236.000	549.100	1254.000	554.100	1259.000	554.800	1300.000	563.900	1343.000
NC	0.110	0.110	0.045	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	570.000	990.000	1240.000	1990.000	1240.000	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	50.200	0.0	0.0	0.0	0.0
X1	29441.000	12.000	1200.000	1230.000	1841.000	1841.000	1841.000	0.0	0.0	0.0
GR	574.300	1000.000	567.400	1100.000	564.300	1200.000	558.400	1210.000	557.500	1215.000
GR	557.800	1220.000	564.700	1230.000	562.900	1250.000	567.300	1300.000	569.200	1350.000
GR	571.000	1400.000	572.900	1425.000	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

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

100 YEAR FLOOD WATER SUR

SUMMARY PRINTOUT

	SECHN	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	UFWSP
A	1325.000	1325.00	0.0	0.0	3500.00	471.20	482.63	0.0	4.98	883.56	1413.15	2105.75	0.0
	1325.000	1325.00	0.0	0.0	3500.00	471.20	483.13	0.0	6.43	1050.00	1225.00	1065.86	0.50
B	5950.000	4625.00	0.0	0.0	3290.00	477.04	487.92	0.0	5.95	1056.12	1339.35	1009.15	0.0
	5950.000	4625.00	0.0	0.0	3290.00	477.04	488.89	0.0	5.16	1055.00	1305.00	1203.26	0.97
	5975.000	25.00	0.0	0.0	3290.00	477.17	487.94	0.0	6.05	1058.90	1338.15	980.99	0.0
	5975.000	25.00	0.0	0.0	3290.00	477.17	488.90	0.0	5.24	1055.00	1305.00	1175.89	0.96
	6000.000	25.00	0.0	0.0	3290.00	477.30	486.69	0.0	12.42	1200.90	1229.10	264.80	0.0
	6000.000	25.00	0.0	0.0	3290.00	477.30	487.88	0.0	11.02	1200.90	1229.10	298.51	1.20
*	6077.000	77.00	501.46	489.30	3290.00	477.60	491.00	0.0	8.70	1200.90	1229.10	378.02	0.0
*	6077.000	77.00	501.46	489.30	3290.00	477.60	492.00	0.0	8.10	1200.90	1229.10	406.21	1.00
C	6102.000	25.00	0.0	0.0	3290.00	477.77	492.17	0.0	3.48	1014.02	1371.26	2147.15	0.0
	6102.000	25.00	0.0	0.0	3290.00	477.77	492.96	0.0	3.71	1098.58	1276.93	1609.60	0.79
	6127.000	25.00	0.0	0.0	3290.00	477.90	492.18	0.0	3.55	1015.44	1370.10	2100.47	0.0
	6127.000	25.00	0.0	0.0	3290.00	477.90	492.96	0.0	3.80	1100.20	1274.74	1562.48	0.78
	8675.000	2548.00	0.0	0.0	3220.00	481.20	493.37	0.0	3.74	1025.23	1536.79	2028.43	0.0
	8675.000	2548.00	0.0	0.0	3220.00	481.20	494.23	0.0	4.07	1081.58	1300.43	1485.63	0.85
	89.570	182.00	0.0	0.0	3220.00	482.30	493.46	0.0	4.79	1033.64	1489.71	1540.51	0.0

	6127.000	25.00	0.0	0.0	3290.00	477.90	492.18	0.0	3.55	1015.44	1370.10	2100.47	0.0
					3290.00	477.90	492.96	0.0	3.80	1100.20	1274.74	1562.48	0.78
	8675.000	2548.00	0.0	0.0	3220.00	481.20	493.37	0.0	3.74	1025.23	1536.79	2028.43	0.0
	8675.000	2548.00	0.0	0.0	3220.00	481.20	494.23	0.0	4.07	1081.58	1300.43	1485.60	0.85
D	88.570	182.00	0.0	0.0	3220.00	482.30	493.46	0.0	4.79	1033.64	1489.71	1540.51	0.0
	88.570	182.00	0.0	0.0	3220.00	482.30	494.29	0.0	5.27	1095.31	1267.77	1067.80	0.83
	90.390	182.00	0.0	0.0	3070.00	483.50	492.54	491.81	11.99	1186.53	1336.88	280.26	0.0
	90.390	182.00	0.0	0.0	3070.00	483.50	493.85	0.0	10.05	1195.00	1235.00	305.36	1.31
F	9221.000	182.00	0.0	0.0	3070.00	484.60	495.08	0.0	8.12	1151.77	1427.20	617.64	0.0
	9221.000	182.00	0.0	0.0	3070.00	484.60	495.53	0.0	7.58	1152.00	1352.00	631.10	0.45
	9246.000	25.00	0.0	0.0	3070.00	484.90	495.00	494.67	9.05	1160.77	1418.65	519.20	0.0
	9246.000	25.00	0.0	0.0	3070.00	484.90	494.96	0.0	10.45	1195.00	1235.00	293.92	-0.03
	9271.000	25.00	0.0	0.0	3070.00	483.90	495.41	0.0	7.33	1199.91	1254.09	419.34	0.0
	9271.000	25.00	0.0	0.0	3070.00	483.90	496.20	0.0	6.67	1200.00	1254.00	460.09	0.78

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRINS	VCH	SSTA	ENDST	AREA	UFWSP
9272.000	1.00	495.90	494.90	3070.00	483.90	495.21	0.0	8.55	1199.92	1254.09	359.64	0.0
9272.000	1.00	495.90	494.90	3070.00	483.90	495.89	0.0	8.55	1199.90	1254.10	359.69	0.68
9288.000	16.00	495.90	494.90	3070.00	483.90	495.45	0.0	8.55	1199.91	1254.09	359.66	0.0
9288.000	16.00	495.90	494.90	3070.00	483.90	496.14	0.0	8.54	1182.75	1264.84	362.50	0.69
9289.000	1.00	0.0	0.0	3070.00	483.90	495.89	0.0	6.92	1199.90	1254.10	444.56	0.0
9289.000	1.00	0.0	0.0	3070.00	483.90	496.71	0.0	6.29	1200.00	1254.00	487.81	0.83
9314.000	25.00	0.0	0.0	3070.00	485.40	495.91	0.0	8.03	1150.83	1428.10	628.34	0.0
9314.000	25.00	0.0	0.0	3070.00	485.40	496.28	0.0	9.38	1194.85	1235.96	330.00	0.37
9339.000	25.00	0.0	0.0	3070.00	485.42	496.10	0.0	7.63	1146.56	1432.16	677.66	0.0
9339.000	25.00	0.0	0.0	3070.00	485.42	497.53	0.0	5.20	1147.00	1432.00	1078.92	1.42
11775.000	2436.00	0.0	0.0	3070.00	489.90	501.37	0.0	4.10	1093.92	1910.16	1857.25	0.0
11775.000	2436.00	0.0	0.0	3070.00	489.90	501.70	0.0	6.50	1195.25	1390.34	781.84	0.33
11800.000	24.50	0.0	0.0	3070.00	490.10	501.38	0.0	4.48	1098.06	1904.20	1709.29	0.0
11800.000	24.50	0.0	0.0	3070.00	490.10	501.38	0.0	4.48	1098.06	1904.20	1709.29	0.0

	9299.000	1.00	0.0	0.0	3070.00	483.50	496.71	0.0	6.29	1200.00	1254.00	497.61	0.83
	9314.000	25.00	0.0	0.0	3070.00	485.40	495.91	0.0	8.03	1150.83	1428.10	628.34	0.0
	9314.000	25.00	0.0	0.0	3070.00	485.40	496.28	0.0	9.38	1194.85	1235.96	330.00	0.37
	9339.000	25.00	0.0	0.0	3070.00	485.42	496.10	0.0	7.63	1146.56	1432.16	677.66	0.0
	9339.000	25.00	0.0	0.0	3070.00	485.42	497.53	0.0	5.20	1147.00	1432.00	1078.92	1.42
F	11775.000	2436.00	0.0	0.0	3070.00	489.90	501.37	0.0	4.10	1093.92	1910.16	1857.25	0.0
	11775.000	2436.00	0.0	0.0	3070.00	489.90	501.70	0.0	6.50	1195.25	1390.34	781.84	0.33
	11800.000	24.50	0.0	0.0	3070.00	490.10	501.38	0.0	4.48	1098.06	1906.20	1709.29	0.0
	11800.000	24.50	0.0	0.0	3070.00	490.10	501.99	0.0	5.30	1185.00	1487.89	1095.08	0.61
	11825.000	24.50	0.0	0.0	3070.00	490.30	501.55	0.0	1.98	1073.23	1949.91	3006.71	0.0
	11825.000	24.50	0.0	0.0	3070.00	490.30	502.27	0.0	2.27	1150.41	1576.69	2133.60	0.72
	11826.000	1.00	496.90	497.90	3070.00	490.30	501.55	0.0	1.21	1073.21	1949.95	2937.68	0.0
	11826.000	1.00	496.90	497.90	3070.00	490.30	502.28	0.0	1.41	1147.73	1592.02	2134.46	0.72
	11837.000	11.00	496.90	497.90	3070.00	490.30	501.56	0.0	1.21	1073.04	1950.37	2947.53	0.0
	11837.000	11.00	496.90	497.90	3070.00	490.30	502.29	0.0	1.40	1147.43	1593.84	2149.01	0.73
	11838.000	1.00	0.0	0.0	3070.00	490.30	501.56	0.0	1.97	1073.02	1950.42	3018.91	0.0
	11838.000	1.00	0.0	0.0	3070.00	490.30	502.28	0.0	2.25	1150.07	1578.74	2150.18	0.73
	11863.000	24.50	0.0	0.0	3070.00	490.90	501.52	0.0	1.79	1128.80	1879.11	1191.57	0.0
	11863.000	24.50	0.0	0.0	3070.00	490.90	502.12	0.0	2.36	1199.36	1444.70	774.36	0.60
G	11888.000	24.50	0.0	0.0	3070.00	491.10	501.97	0.0	1.43	1116.41	1892.88	1380.76	0.0
	11888.000	24.50	0.0	0.0	3070.00	491.10	502.82	0.0	1.65	1195.69	1474.86	982.11	0.84
H	13850.000	1962.00	0.0	0.0	2900.00	495.00	506.78	0.0	3.65	1052.58	1623.28	1669.00	0.0
	13850.000	1962.00	0.0	0.0	2900.00	495.00	507.80	0.0	3.93	1240.11	1548.69	1334.35	1.03
I	16241.000	2391.00	0.0	0.0	2760.00	501.40	510.43	508.34	8.38	1191.23	1512.75	501.79	0.0
	16241.000	2391.00	0.0	0.0	2760.00	501.40	511.16	0.0	7.54	1315.00	1490.00	499.05	0.73
	16266.000	25.00	0.0	0.0	2760.00	501.80	510.37	508.71	9.35	1203.49	1504.87	370.17	0.0
	16266.000	25.00	0.0	0.0	2760.00	501.80	511.07	0.0	8.51	1375.00	1424.15	324.42	0.71
	16291.000	25.00	0.0	0.0	2760.00	502.20	510.17	0.0	11.01	1299.93	1340.07	250.97	0.0
	16291.000	25.00	0.0	0.0	2760.00	502.20	510.95	0.0	9.79	1299.93	1340.07	282.23	0.78
	16292.000	1.00	511.40	509.80	2760.00	502.20	509.97	0.0	11.85	1299.93	1340.06	233.06	0.0
	16292.000	1.00	511.40	509.80	2760.00	502.20	510.47	0.0	11.85	1299.93	1340.07	233.09	0.50
	16308.000	15.80	511.40	509.80	2760.00	502.20	510.37	0.0	11.85	1299.93	1340.07	233.08	0.0
	16308.000	15.80	511.40	509.80	2760.00	502.20	510.87	0.0	11.85	1299.92	1340.08	233.11	0.50

SEC NO	YLCR	ELTRD	ELLC	Q	ELMIN	CWSEL	CRHS	VCH	SSTA	ENDST	AREA	DIFWSP
16309.000	1.00	0.0	0.0	2760.00	502.20	511.28	0.0	9.36	1299.91	1340.08	295.14	0.0
16309.000	1.00	0.0	0.0	2760.00	502.20	512.19	509.16	8.11	1150.86	1355.39	410.83	0.91
16334.000	25.00	0.0	0.0	2760.00	502.40	511.39	511.39	10.75	1152.76	1413.44	406.05	0.0
16334.000	25.00	0.0	0.0	2750.00	502.40	512.35	0.0	8.42	1106.94	1457.71	700.11	0.96
J 16359.000	25.00	0.0	0.0	2760.00	502.60	511.59	511.59	10.75	1152.76	1413.44	406.05	0.0
16359.000	25.00	0.0	0.0	2760.00	502.60	512.38	0.0	8.82	1152.76	1413.44	611.70	0.79
K 19600.000	3241.00	0.0	0.0	2170.00	513.00	523.60	0.0	4.87	1000.00	1385.00	768.38	0.0
19600.000	3241.00	0.0	0.0	2170.00	513.00	523.70	0.0	6.03	1260.39	1348.34	492.11	0.10
L 22250.000	2650.00	0.0	0.0	2170.00	523.67	531.60	531.60	10.42	1245.75	1370.85	275.46	0.0
22250.000	2650.00	0.0	0.0	2170.00	523.67	532.46	0.0	8.12	1245.75	1370.85	383.05	0.86
M 24900.000	2650.00	0.0	0.0	1400.00	534.40	542.23	0.0	4.20	1179.39	1315.65	494.14	0.0
24900.000	2650.00	0.0	0.0	1400.00	534.40	542.31	0.0	5.40	1147.36	1243.74	322.66	0.08
* 27600.000	2700.00	0.0	0.0	1340.00	547.60	552.87	552.87	10.91	1224.10	1257.77	122.84	0.0
* 27600.000	2700.00	0.0	0.0	1340.00	547.60	552.87	552.87	10.93	1224.11	1257.77	122.61	-0.01
N 29441.000	1841.00	0.0	0.0	1240.00	557.50	566.25	0.0	5.76	1137.07	1288.08	357.71	0.0
29441.000	1841.00	0.0	0.0	1240.00	557.50	566.59	0.0	6.14	1190.00	1240.00	238.30	0.34
29466.000	25.00	0.0	0.0	1240.00	557.90	566.26	0.0	6.37	1149.64	1283.65	302.20	0.0
29466.000	25.00	0.0	0.0	1240.00	557.90	566.62	0.0	6.55	1190.00	1240.00	220.14	0.36
29491.000	25.00	0.0	0.0	1240.00	558.30	566.38	0.0	5.72	1199.92	1230.08	217.21	0.0
29491.000	25.00	0.0	0.0	1240.00	558.30	566.90	0.0	5.34	1199.91	1230.09	232.88	0.52
29492.000	1.00	567.90	566.00	1240.00	558.30	566.33	0.0	6.10	1199.92	1230.08	203.54	0.0
29492.000	1.00	567.90	566.00	1240.00	558.30	566.80	0.0	6.10	1199.91	1230.09	203.57	0.47
29503.000	16.00	567.90	566.00	1240.00	558.30	566.42	0.0	6.10	1199.92	1230.08	203.54	0.0
29503.000	16.00	567.90	566.00	1240.00	558.30	566.89	0.0	6.10	1199.91	1230.09	203.58	0.47
29509.000	1.00	0.0	0.0	1240.00	558.30	566.52	0.0	5.61	1199.92	1230.08	221.45	0.0
29509.000	1.00	0.0	0.0	1240.00	558.30	567.06	0.0	5.23	1199.91	1230.09	237.83	0.54
29534.000	25.00	0.0	0.0	1240.00	557.90	566.89	0.0	3.90	1143.06	1418.22	615.77	0.0

19600.000	3241.00	0.0	0.0	2170.00	513.00	523.60	0.0	4.87	1000.00	1385.00	768.38	0.0
19600.000	3241.00	0.0	0.0	2170.00	513.00	523.70	0.0	6.03	1260.39	1348.34	492.11	0.10
22250.000	2650.00	0.0	0.0	2170.00	523.67	531.60	531.60	10.42	1245.75	1370.85	275.46	0.0
22250.000	2650.00	0.0	0.0	2170.00	523.67	532.46	0.0	8.12	1245.75	1370.85	383.05	0.86
24900.000	2650.00	0.0	0.0	1400.00	534.40	542.23	0.0	4.20	1179.39	1315.65	494.14	0.0
24900.000	2650.00	0.0	0.0	1400.00	534.40	542.31	0.0	5.40	1197.36	1243.74	322.66	0.08
* 27600.000	2700.00	0.0	0.0	1340.00	547.60	552.87	552.87	10.91	1224.10	1257.77	122.84	0.0
* 27600.000	2700.00	0.0	0.0	1340.00	547.60	552.87	552.87	10.93	1224.11	1257.77	122.61	-0.01
29441.000	1841.00	0.0	0.0	1240.00	557.50	566.25	0.0	5.76	1137.07	1288.08	357.71	0.0
29441.000	1841.00	0.0	0.0	1240.00	557.50	566.59	0.0	6.14	1190.00	1240.00	238.30	0.34
29466.000	25.00	0.0	0.0	1240.00	557.90	566.26	0.0	6.37	1149.64	1283.65	302.20	0.0
29466.000	25.00	0.0	0.0	1240.00	557.90	566.62	0.0	6.55	1190.00	1240.00	220.14	0.36
29491.000	25.00	0.0	0.0	1240.00	558.30	566.38	0.0	5.72	1199.92	1230.08	217.21	0.0
29491.000	25.00	0.0	0.0	1240.00	558.30	566.90	0.0	5.34	1199.91	1230.09	232.88	0.52
29492.000	1.00	567.90	566.00	1240.00	558.30	566.33	0.0	6.10	1199.92	1230.08	203.54	0.0
29492.000	1.00	567.90	566.00	1240.00	558.30	566.80	0.0	6.10	1199.91	1230.09	203.57	0.47
29508.000	16.00	567.90	566.00	1240.00	558.30	566.42	0.0	6.10	1199.92	1230.08	203.54	0.0
29508.000	16.00	567.90	566.00	1240.00	558.30	566.89	0.0	6.10	1199.91	1230.09	203.58	0.47
29509.000	1.00	0.0	0.0	1240.00	558.30	566.52	0.0	5.61	1199.92	1230.08	221.45	0.0
29509.000	1.00	0.0	0.0	1240.00	558.30	567.06	0.0	5.23	1199.91	1230.09	237.83	0.54
29534.000	25.00	0.0	0.0	1240.00	557.90	566.89	0.0	3.90	1143.06	1418.22	615.77	0.0
29534.000	25.00	0.0	0.0	1240.00	557.90	567.20	0.0	4.69	1256.00	1306.00	288.77	0.31
29559.000	25.00	0.0	0.0	1240.00	557.90	566.93	0.0	3.86	1141.91	1418.61	624.65	0.0
29559.000	25.00	0.0	0.0	1240.00	557.90	567.25	0.0	4.67	1256.00	1306.00	290.61	0.32

SUMMARY OF ERRORS

- CAUTION SECNO= 6077.000 PROFILE= 1 HYDRAULIC JUMP D.S.
- CAUTION SECNO= 6077.000 PROFILE= 2 HYDRAULIC JUMP D.S.
- CAUTION SECNO=16334.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
- CAUTION SECNO=16334.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY
- CAUTION SECNO=22250.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
- CAUTION SECNO=22250.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY

10 YEAR FLOOD WATER SUR

SUMMARY PRINTOUT

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
1325.000	1325.00	0.0	0.0	1720.00	471.20	480.62	0.0	4.27	896.11	1403.11	1064.87	0.0
1325.000	1325.00	0.0	0.0	2860.00	471.20	481.99	0.0	4.76	887.56	1409.95	1769.53	1.37
1325.000	1325.00	0.0	0.0	3500.00	471.20	482.63	0.0	4.98	883.59	1413.13	2103.38	0.63
1325.000	1325.00	0.0	0.0	5420.00	471.20	484.26	0.0	5.50	873.37	1421.30	2984.18	1.64
5550.000	4625.00	0.0	0.0	1610.00	477.04	485.51	0.0	4.41	1146.30	1310.47	452.34	0.0
5550.000	4625.00	0.0	0.0	2690.00	477.04	487.19	0.0	5.50	1076.26	1330.66	814.28	1.68
5550.000	4625.00	0.0	0.0	3290.00	477.04	487.92	0.0	5.95	1056.07	1339.38	1009.72	0.73
5550.000	4625.00	0.0	0.0	5100.00	477.04	489.68	0.0	6.94	1033.32	1355.56	1543.77	1.75
5975.000	25.00	0.0	0.0	1610.00	477.17	485.53	0.0	4.49	1152.06	1309.24	435.81	0.0
5975.000	25.00	0.0	0.0	2690.00	477.17	487.22	0.0	5.60	1079.07	1329.44	788.72	1.68
5975.000	25.00	0.0	0.0	3290.00	477.17	487.94	0.0	6.05	1058.83	1338.18	981.68	0.73
5975.000	25.00	0.0	0.0	5100.00	477.17	489.70	0.0	7.05	1034.37	1354.71	1512.75	1.76
6000.000	25.00	0.0	0.0	1610.00	477.30	485.24	0.0	7.19	1200.90	1229.10	223.90	0.0
6000.000	25.00	0.0	0.0	2690.00	477.30	486.40	0.0	10.48	1200.90	1229.10	256.64	1.16
6000.000	25.00	0.0	0.0	3290.00	477.30	486.69	0.0	12.42	1200.90	1229.10	264.89	0.29
6000.000	25.00	0.0	0.0	5100.00	477.30	487.32	487.32	18.05	1200.90	1229.10	282.49	0.63
* NC 601 STA 60-38 ELLRD 501.5 489.3												
6077.000	77.00	501.46	489.30	1610.00	477.60	485.54	0.0	7.19	1200.90	1229.10	224.04	0.0
6077.000	77.00	501.46	489.30	2690.00	477.60	489.32	0.0	8.14	1200.90	1229.10	330.57	3.78
6077.000	77.00	501.46	489.30	3290.00	477.60	491.00	0.0	8.70	1200.90	1229.10	378.02	1.68
6077.000	77.00	501.46	489.30	5100.00	477.60	490.18	0.0	14.38	1200.90	1229.10	354.75	-0.83
6102.000	25.00	0.0	0.0	1610.00	477.77	486.14	0.0	4.49	1151.84	1309.29	436.43	0.0
6102.000	25.00	0.0	0.0	2690.00	477.77	490.30	0.0	3.72	1034.42	1354.67	1511.29	4.15
6102.000	25.00	0.0	0.0	3290.00	477.77	492.17	0.0	3.48	1014.02	1371.26	2147.15	1.88
6102.000	25.00	0.0	0.0	5100.00	477.77	493.51	0.0	4.57	1000.00	1380.00	2638.69	1.34
6127.000	25.00	0.0	0.0	1610.00	477.90	486.16	0.0	4.57	1156.02	1307.98	419.67	0.0
6127.000	25.00	0.0	0.0	2690.00	477.90	490.30	0.0	3.79	1035.84	1353.51	1469.73	4.14
6127.000	25.00	0.0	0.0	3290.00	477.90	492.18	0.0	3.55	1015.44	1370.10	2100.47	1.88
6127.000	25.00	0.0	0.0	5100.00	477.90	493.52	0.0	4.64	1000.89	1380.00	2592.73	1.34
8675.000	2548.00	0.0	0.0	1570.00	481.20	489.96	0.0	4.68	1062.89	1375.84	598.24	0.0
8675.000	2548.00	0.0	0.0	2620.00	481.20	492.02	0.0	4.26	1036.52	1474.68	1385.87	2.06
8675.000	2548.00	0.0	0.0	3220.00	481.20	493.37	0.0	3.74	1025.23	1536.79	2028.43	1.36
8675.000	2548.00	0.0	0.0	4990.00	481.20	495.07	0.0	4.06	1011.05	1620.82	2980.51	1.70

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	UIFWSP
16292.000	1.00	511.40	509.80	1340.00	502.20	508.65	0.0	7.06	1299.96	1340.04	190.01	0.0
16292.000	1.00	511.40	509.80	2250.00	502.20	509.79	0.0	9.66	1299.94	1340.06	233.04	1.14
16292.000	1.00	511.40	509.80	2760.00	502.20	509.97	0.0	11.85	1299.93	1340.06	233.06	0.17
16292.000	1.00	511.40	509.80	4310.00	502.20	513.70	0.0	9.70	1087.24	1419.24	673.61	3.73
16308.000	15.80	511.40	509.80	1340.00	502.20	508.77	0.0	6.89	1299.96	1340.04	194.67	0.0
16308.000	15.80	511.40	509.80	2250.00	502.20	510.05	0.0	9.66	1299.93	1340.06	233.07	1.28
16308.000	15.80	511.40	509.80	2760.00	502.20	510.37	0.0	11.85	1299.93	1340.07	233.08	0.32
16308.000	15.80	511.40	509.80	4310.00	502.20	514.42	0.0	7.00	1065.16	1436.06	893.47	4.05
16309.000	1.00	0.0	0.0	1340.00	502.20	508.77	0.0	6.88	1299.96	1340.04	194.83	0.0
16309.000	1.00	0.0	0.0	2250.00	502.20	510.36	0.0	3.70	1299.93	1340.07	258.81	1.59
16309.000	1.00	0.0	0.0	2760.00	502.20	511.28	0.0	9.36	1299.91	1340.03	295.14	0.92
16309.000	1.00	0.0	0.0	4310.00	502.20	514.26	0.0	7.64	1069.88	1432.47	1026.63	2.98
16334.000	25.00	0.0	0.0	1340.00	502.40	508.59	0.0	8.84	1327.94	1358.19	151.60	0.0
16334.000	25.00	0.0	0.0	2250.00	502.40	509.87	0.0	11.74	1326.64	1358.93	191.71	1.28
* 16334.000	25.00	0.0	0.0	2760.00	502.40	511.39	511.39	10.75	1152.76	1413.44	406.05	1.52
16334.000	25.00	0.0	0.0	4310.00	502.40	514.41	0.0	7.80	1068.81	1493.30	1505.50	3.02
16359.000	25.00	0.0	0.0	1340.00	502.60	508.80	0.0	8.83	1327.94	1358.20	151.76	0.0
16359.000	25.00	0.0	0.0	2250.00	502.60	510.36	0.0	11.19	1326.35	1365.02	201.54	1.57
16359.000	25.00	0.0	0.0	2760.00	502.60	511.59	511.59	10.75	1152.76	1413.44	406.05	1.23
16359.000	25.00	0.0	0.0	4310.00	502.60	514.44	0.0	8.11	1071.56	1491.04	1434.83	2.84
19600.000	3241.00	0.0	0.0	1040.00	513.00	521.46	0.0	4.30	1225.21	1376.27	347.88	0.0
19600.000	3241.00	0.0	0.0	1760.00	513.00	523.11	0.0	4.50	1000.00	1385.00	656.99	1.65
19600.000	3241.00	0.0	0.0	2170.00	513.00	523.60	0.0	4.87	1000.00	1385.00	768.36	0.49
19600.000	3241.00	0.0	0.0	3420.00	513.00	524.00	0.0	6.93	1000.00	1385.00	808.06	0.40
22250.000	2650.00	0.0	0.0	1040.00	523.67	529.93	0.0	7.85	1294.75	1353.86	135.65	0.0
* 22250.000	2650.00	0.0	0.0	1760.00	523.67	530.87	530.87	10.39	1274.44	1363.27	197.09	0.94
* 22250.000	2650.00	0.0	0.0	2170.00	523.67	531.60	531.60	10.42	1245.75	1370.85	275.46	0.73
22250.000	2650.00	0.0	0.0	3420.00	523.67	533.77	0.0	8.77	1000.00	1385.00	654.78	2.17
24900.000	2650.00	0.0	0.0	650.00	534.40	540.37	0.0	3.70	1182.99	1286.73	266.72	0.0
24900.000	2650.00	0.0	0.0	1130.00	534.40	541.81	0.0	3.92	1180.21	1311.86	437.15	1.44
24900.000	2650.00	0.0	0.0	1400.00	534.40	542.23	0.0	4.20	1179.39	1315.65	494.14	0.42
24900.000	2650.00	0.0	0.0	2550.00	534.40	543.12	0.0	5.89	1177.67	1323.58	619.37	0.89
* 27600.000	2700.00	0.0	0.0	620.00	547.60	551.15	551.15	8.94	1227.59	1256.05	69.38	0.0
* 27600.000	2700.00	0.0	0.0	1080.00	547.60	552.31	552.31	10.35	1225.24	1257.21	104.34	1.16
* 27600.000	2700.00	0.0	0.0	1340.00	547.60	552.87	552.87	10.91	1224.10	1257.77	122.84	0.86

16334.000	25.00	0.0	0.0	4310.00	502.40	514.41	0.0	7.80	1068.81	1493.30	1505.50	3.02
16359.000	25.00	0.0	0.0	1340.00	502.60	508.80	0.0	8.83	1327.94	1358.20	151.76	0.0
16359.000	25.00	0.0	0.0	2250.00	502.60	510.36	0.0	11.19	1326.35	1365.02	201.54	1.57
16359.000	25.00	0.0	0.0	2760.00	502.60	511.59	511.59	10.75	1152.76	1413.44	406.05	1.23
16359.000	25.00	0.0	0.0	4310.00	502.60	514.44	0.0	8.11	1071.56	1491.04	1434.83	2.84
19600.000	3241.00	0.0	0.0	1040.00	513.00	521.46	0.0	4.30	1225.21	1376.27	347.88	0.0
19600.000	3241.00	0.0	0.0	1760.00	513.00	523.11	0.0	4.50	1000.00	1385.00	656.99	1.65
19600.000	3241.00	0.0	0.0	2170.00	513.00	523.60	0.0	4.87	1000.00	1385.00	768.38	0.49
19600.000	3241.00	0.0	0.0	3420.00	513.00	524.00	0.0	6.93	1000.00	1385.00	868.06	0.40
22250.000	2650.00	0.0	0.0	1040.00	523.67	529.93	0.0	7.85	1294.75	1353.86	135.65	0.0
* 22250.000	2650.00	0.0	0.0	1760.00	523.67	530.87	530.87	10.39	1274.44	1363.27	197.09	0.94
* 22250.000	2650.00	0.0	0.0	2170.00	523.67	531.60	531.60	10.42	1245.75	1370.85	275.46	0.73
22250.000	2650.00	0.0	0.0	3420.00	523.67	533.77	0.0	8.77	1000.00	1385.00	654.78	2.17
24900.000	2650.00	0.0	0.0	650.00	534.40	540.37	0.0	3.70	1182.99	1286.73	266.72	0.0
24900.000	2650.00	0.0	0.0	1130.00	534.40	541.81	0.0	3.92	1180.21	1311.85	437.15	1.44
24900.000	2650.00	0.0	0.0	1400.00	534.40	542.23	0.0	4.20	1179.39	1315.65	494.14	0.42
24900.000	2650.00	0.0	0.0	2550.00	534.40	543.12	0.0	5.89	1177.67	1323.58	619.37	0.89
* 27600.000	2700.00	0.0	0.0	620.00	547.60	551.15	551.15	8.94	1227.59	1256.05	69.38	0.0
* 27600.000	2700.00	0.0	0.0	1080.00	547.60	552.31	552.31	10.35	1225.24	1257.21	104.34	1.16
* 27600.000	2700.00	0.0	0.0	1340.00	547.60	552.87	552.87	10.91	1224.10	1257.77	22.84	0.56
* 27600.000	2700.00	0.0	0.0	2150.00	547.60	554.45	554.45	11.97	1197.62	1279.36	184.10	1.57
29441.000	1841.00	0.0	0.0	570.00	557.50	564.28	0.0	4.47	1200.03	1265.71	146.06	0.0
29441.000	1841.00	0.0	0.0	990.00	557.50	565.65	0.0	5.37	1156.23	1281.33	275.72	1.37
29441.000	1841.00	0.0	0.0	1240.00	557.50	566.25	0.0	5.76	1137.07	1288.08	357.71	0.59
29441.000	1841.00	0.0	0.0	1990.00	557.50	567.62	0.0	6.58	1095.98	1308.11	603.10	1.37
29466.000	25.00	0.0	0.0	570.00	557.90	564.32	0.0	4.93	1200.64	1261.61	125.94	0.0
29466.000	25.00	0.0	0.0	990.00	557.90	565.67	0.0	5.94	1168.55	1276.99	231.11	1.35
29466.000	25.00	0.0	0.0	1240.00	557.90	566.26	0.0	6.37	1149.64	1283.65	302.20	0.59
29466.000	25.00	0.0	0.0	1990.00	557.90	567.61	0.0	7.29	1106.17	1298.96	522.39	1.35

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	WSEL	CRIWS	VCH	SSTA	ENDST	AREA	UFWSP
29491.000	25.00	0.0	0.0	570.00	558.30	564.56	0.0	3.51	1199.95	1230.06	162.54	0.0
29491.000	25.00	0.0	0.0	990.00	558.30	565.88	0.0	4.91	1199.93	1230.07	202.05	1.31
29491.000	25.00	0.0	0.0	1240.00	558.30	566.38	0.0	5.72	1199.92	1230.08	217.21	0.50
29491.000	25.00	0.0	0.0	1990.00	558.30	567.45	0.0	7.99	1199.90	1230.09	249.67	1.07
29492.000	1.00	567.90	566.00	570.00	558.30	564.57	0.0	3.51	1199.95	1230.06	162.60	0.0
29492.000	1.00	567.90	566.00	990.00	558.30	565.88	0.0	4.91	1199.93	1230.07	202.13	1.31
29492.000	1.00	567.90	566.00	1240.00	558.30	566.33	0.0	6.10	1199.92	1230.08	203.54	0.45
29492.000	1.00	567.90	566.00	1990.00	558.30	567.11	0.0	9.80	1199.91	1230.09	203.59	0.78
29508.000	16.00	567.90	566.00	570.00	558.30	564.58	0.0	3.50	1199.95	1230.06	163.01	0.0
29508.000	16.00	567.90	566.00	990.00	558.30	565.91	0.0	4.89	1199.93	1230.07	202.76	1.33
29508.000	16.00	567.90	566.00	1240.00	558.30	566.42	0.0	6.10	1199.92	1230.08	203.54	0.51
29508.000	16.00	567.90	566.00	1990.00	558.30	567.33	0.0	9.80	1199.91	1230.09	203.61	0.71
29509.000	1.00	0.0	0.0	570.00	558.30	564.58	0.0	3.50	1199.95	1230.06	163.06	0.0
29509.000	1.00	0.0	0.0	990.00	558.30	565.91	0.0	4.88	1199.93	1230.07	203.08	1.33
29509.000	1.00	0.0	0.0	1240.00	558.30	566.52	0.0	5.61	1199.92	1230.08	221.45	0.61
29509.000	1.00	0.0	0.0	1990.00	558.30	568.02	0.0	7.48	1194.42	1231.42	267.03	1.50
29534.000	25.00	0.0	0.0	570.00	557.90	564.61	0.0	3.55	1239.10	1299.29	164.81	0.0
29534.000	25.00	0.0	0.0	990.00	557.90	566.12	0.0	3.99	1170.76	1408.76	416.79	1.51
29534.000	25.00	0.0	0.0	1240.00	557.90	566.89	0.0	3.90	1143.06	1418.22	615.77	0.77
29534.000	25.00	0.0	0.0	1990.00	557.90	568.88	0.0	3.54	1085.88	1442.39	1250.02	1.99
29559.000	25.00	0.0	0.0	570.00	557.90	564.66	0.0	3.51	1236.46	1299.36	167.69	0.0
29559.000	25.00	0.0	0.0	990.00	557.90	566.16	0.0	3.95	1169.46	1409.20	425.32	1.50
29559.000	25.00	0.0	0.0	1240.00	557.90	566.93	0.0	3.86	1141.91	1418.61	624.65	0.76
29559.000	25.00	0.0	0.0	1990.00	557.90	568.90	0.0	3.51	1085.35	1442.75	1260.46	1.97

SUMMARY OF ERRORS

CAUTION SECNO= 6000.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 6000.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 6000.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 6077.000 PROFILE= 2 HYDRAULIC JUMP D.S.
CAUTION SECNO= 6077.000 PROFILE= 3 HYDRAULIC JUMP D.S.

CAUTION SECNO= 9221.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 9221.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	UIFWSP
88.570	182.00	0.0	0.0	1570.00	482.30	490.21	0.0	5.98	1087.58	1315.87	371.02	0.0
88.570	182.00	0.0	0.0	2620.00	482.30	492.15	0.0	5.60	1044.55	1432.78	987.68	1.94
88.570	182.00	0.0	0.0	3220.00	482.30	493.46	0.0	4.79	1033.64	1405.71	1540.51	1.31
88.570	182.00	0.0	0.0	4990.00	482.30	495.17	0.0	4.97	1019.39	1570.16	2400.63	1.71
90.390	182.00	0.0	0.0	1490.00	483.50	490.67	0.0	8.26	1197.44	1233.94	180.48	0.0
90.390	182.00	0.0	0.0	2510.00	483.50	491.67	0.0	11.49	1195.85	1238.66	215.67	1.01
90.390	182.00	0.0	0.0	3070.00	483.50	492.54	491.81	11.99	1186.53	1336.88	280.26	0.8
90.390	182.00	0.0	0.0	4780.00	483.50	494.89	0.0	9.74	1129.51	1444.45	888.83	2.31
9221.000	182.00	0.0	0.0	1490.00	484.60	491.92	0.0	8.02	1197.21	1234.12	185.78	0.0
9221.000	182.00	0.0	0.0	2510.00	484.60	493.96	492.11	9.10	1178.66	1401.63	342.53	2.01
9221.000	182.00	0.0	0.0	3070.00	484.60	495.08	0.0	8.12	1151.77	1427.20	617.64	1.11
* 9221.000	182.00	0.0	0.0	4780.00	484.60	495.75	495.75	10.41	1135.32	1442.84	814.48	0.6
9246.000	25.00	0.0	0.0	1490.00	484.90	492.02	0.0	8.33	1197.52	1233.88	178.30	0.0
9246.000	25.00	0.0	0.0	2510.00	484.90	493.96	492.43	9.79	1186.40	1338.18	281.04	1.91
9246.000	25.00	0.0	0.0	3070.00	484.90	495.00	494.67	9.05	1160.77	1418.15	519.20	1.01
* 9246.000	25.00	0.0	0.0	4780.00	484.90	495.95	495.95	10.69	1137.63	1440.65	785.63	0.91
9271.000	25.00	0.0	0.0	1490.00	483.90	492.85	0.0	5.27	1199.98	1254.07	282.86	0.0
9271.000	25.00	0.0	0.0	2510.00	483.90	495.00	0.0	6.32	1199.92	1254.09	397.31	2.11
9271.000	25.00	0.0	0.0	3070.00	483.90	495.41	0.0	7.33	1199.91	1254.09	419.34	0.41
9271.000	25.00	0.0	0.0	4780.00	483.90	495.78	0.0	10.90	1199.90	1254.10	439.01	0.31
9272.000	1.00	495.90	494.90	1490.00	483.90	492.35	0.0	5.27	1199.98	1254.07	283.14	0.0
9272.000	1.00	495.90	494.90	2510.00	483.90	494.91	0.0	6.99	1199.93	1254.09	359.62	2.01
9272.000	1.00	495.90	494.90	3070.00	483.90	495.21	0.0	8.55	1199.92	1254.09	359.64	0.31
9272.000	1.00	495.90	494.90	4780.00	483.90	495.17	0.0	13.31	1199.92	1254.09	359.64	0.01
9288.000	16.00	495.90	494.90	1490.00	483.90	492.91	0.0	5.22	1199.98	1254.07	285.75	0.0
9288.000	16.00	495.90	494.90	2510.00	483.90	495.07	0.0	6.99	1199.92	1254.09	359.63	2.11
9288.000	16.00	495.90	494.90	3070.00	483.90	495.45	0.0	8.55	1199.91	1254.09	359.66	0.31
9288.000	16.00	495.90	494.90	4780.00	483.90	495.75	0.0	13.31	1199.90	1254.10	359.68	0.31
9289.000	1.00	0.0	0.0	1490.00	483.90	492.92	0.0	5.21	1199.98	1254.07	286.33	0.0
9289.000	1.00	0.0	0.0	2510.00	483.90	495.27	0.0	6.10	1199.92	1254.09	411.72	2.31
9289.000	1.00	0.0	0.0	3070.00	483.90	495.89	0.0	6.92	1199.90	1254.10	444.56	0.61
9289.000	1.00	0.0	0.0	4780.00	483.90	497.72	0.0	8.18	1106.98	1360.53	745.99	1.81
9314.000	25.00	0.0	0.0	1490.00	485.40	492.58	0.0	8.23	1197.42	1233.96	181.09	0.0
9314.000	25.00	0.0	0.0	2510.00	485.40	495.04	492.92	8.46	1172.10	1407.87	404.31	2.41
9314.000	25.00	0.0	0.0	3070.00	485.40	495.91	0.0	8.03	1150.83	1428.10	628.34	0.81

11825.000	24.50	0.0	0.0	4780.00	490.30	502.40	0.0	2.37	1060.88	1981.45	3771.96	0.85
11826.000	1.00	496.90	497.90	1490.00	490.30	500.30	0.0	1.04	1091.45	1903.33	1874.87	0.0
11826.000	1.00	496.90	497.90	2510.00	490.30	501.21	0.0	1.13	1078.25	1937.07	2635.98	0.91
11826.000	1.00	496.90	497.90	3070.00	490.30	501.55	0.0	1.21	1073.21	1949.95	2937.69	0.35
11826.000	1.00	496.90	497.90	4780.00	490.30	502.41	0.0	1.42	1060.87	1981.47	3702.51	0.85
11837.000	11.00	496.90	497.90	1490.00	490.30	500.30	0.0	1.03	1091.30	1903.72	1883.39	0.0
11837.000	11.00	496.90	497.90	2510.00	490.30	501.21	0.0	1.13	1078.09	1937.47	2645.21	0.91
11837.000	11.00	496.90	497.90	3070.00	490.30	501.56	0.0	1.21	1073.04	1950.37	2947.53	0.35
11837.000	11.00	496.90	497.90	4780.00	490.30	502.41	0.0	1.42	1060.68	1981.97	3714.88	0.85
11838.000	1.00	0.0	0.0	1490.00	490.30	500.30	0.0	1.58	1091.27	1903.78	1954.88	0.0
11838.000	1.00	0.0	0.0	2510.00	490.30	501.21	0.0	1.82	1078.07	1937.52	2716.36	0.91
11838.000	1.00	0.0	0.0	3070.00	490.30	501.56	0.0	1.97	1073.02	1950.42	3018.91	0.35
11838.000	1.00	0.0	0.0	4780.00	490.30	502.41	0.0	2.36	1060.65	1982.03	3786.55	0.85
* 11863.000	24.50	0.0	0.0	1490.00	490.90	499.97	0.0	5.88	1204.33	1732.40	259.04	0.0
11863.000	24.50	0.0	0.0	2510.00	490.90	501.17	0.0	2.15	1146.59	1859.34	931.25	1.20
11863.000	24.50	0.0	0.0	3070.00	490.90	501.52	0.0	1.79	1128.80	1879.11	1191.57	0.36
11863.000	24.50	0.0	0.0	4780.00	490.90	502.39	0.0	1.39	1093.51	1910.56	1872.26	0.86
11888.000	24.50	0.0	0.0	1490.00	491.10	501.34	0.0	1.31	1147.55	1858.27	917.61	0.0
11888.000	24.50	0.0	0.0	2510.00	491.10	501.73	0.0	1.45	1128.32	1879.64	1198.75	0.39
11888.000	24.50	0.0	0.0	3070.00	491.10	501.97	0.0	1.43	1116.41	1892.88	1380.76	0.34
11888.000	24.50	0.0	0.0	4780.00	491.10	502.67	0.0	1.32	1091.66	1912.32	1938.80	0.70
13850.000	1962.00	0.0	0.0	1410.00	495.00	505.54	501.89	3.03	1070.99	1600.79	990.26	0.0
13850.000	1962.00	0.0	0.0	2360.00	495.00	506.40	0.0	3.43	1058.15	1616.47	1458.22	0.86
13850.000	1962.00	0.0	0.0	2900.00	495.00	506.78	0.0	3.65	1052.58	1623.28	1669.00	0.37
13850.000	1962.00	0.0	0.0	4520.00	495.00	507.68	0.0	4.20	1039.06	1636.73	2198.73	0.91
16241.000	2391.00	0.0	0.0	1340.00	501.40	508.62	0.0	5.85	1376.32	1420.04	228.97	0.0
16241.000	2391.00	0.0	0.0	2250.00	501.40	509.87	507.58	7.77	1212.66	1503.19	348.82	1.25
16241.000	2391.00	0.0	0.0	2760.00	501.40	510.43	508.34	8.38	1191.23	1512.75	501.79	0.56
16241.000	2391.00	0.0	0.0	4310.00	501.40	511.73	0.0	9.38	1164.64	1530.32	943.92	1.30
16266.000	25.00	0.0	0.0	1340.00	501.80	508.65	0.0	6.29	1376.61	1419.30	212.92	0.0
16266.000	25.00	0.0	0.0	2250.00	501.80	509.89	0.0	8.37	1251.14	1421.78	286.73	1.24
16266.000	25.00	0.0	0.0	2760.00	501.80	510.37	508.71	9.35	1203.49	1504.87	370.17	0.48
16266.000	25.00	0.0	0.0	4310.00	501.80	511.55	511.50	10.82	1176.26	1522.65	741.32	1.19
16291.000	25.00	0.0	0.0	1340.00	502.20	508.65	0.0	7.06	1299.96	1340.04	189.85	0.0
16291.000	25.00	0.0	0.0	2250.00	502.20	509.82	0.0	9.51	1299.94	1340.06	236.85	1.17
16291.000	25.00	0.0	0.0	2760.00	502.20	510.17	0.0	11.01	1299.93	1340.07	250.97	0.35
* 16291.000	25.00	0.0	0.0	4310.00	502.20	512.91	512.91	10.82	1117.91	1400.14	586.13	2.74

9289.000	1.00	0.0	0.0	4780.00	483.90	497.72	0.0	8.18	1106.88	1360.53	745.99	0.01	1.83
9314.000	25.00	0.0	0.0	1490.00	485.40	492.58	0.0	8.23	1197.42	1233.96	181.09	0.0	
9314.000	25.00	0.0	0.0	2510.00	485.40	495.04	492.92	8.46	1172.10	1407.87	404.31	2.46	
9314.000	25.00	0.0	0.0	3070.00	485.40	495.91	0.0	8.03	1150.83	1428.10	628.34	0.88	
9314.000	25.00	0.0	0.0	4780.00	485.40	498.40	0.0	6.47	1088.77	1448.31	1432.88	2.49	
9339.000	25.00	0.0	0.0	1490.00	485.42	492.84	0.0	7.85	1197.04	1234.26	189.82	0.0	
9339.000	25.00	0.0	0.0	2510.00	485.42	495.36	0.0	7.77	1164.84	1414.78	476.71	2.52	
9339.000	25.00	0.0	0.0	3070.00	485.42	496.10	0.0	7.63	1146.56	1432.16	677.66	0.75	
9339.000	25.00	0.0	0.0	4780.00	485.42	498.45	0.0	6.44	1088.12	1448.37	1441.36	2.34	
11775.000	2436.00	0.0	0.0	1490.00	489.90	500.02	0.0	3.99	1153.97	1851.14	827.23	0.0	
11775.000	2436.00	0.0	0.0	2510.00	489.90	501.01	0.0	3.98	1104.29	1902.48	1571.81	0.99	
11775.000	2436.00	0.0	0.0	3070.00	489.90	501.37	0.0	4.10	1093.92	1910.16	1857.25	0.36	
11775.000	2436.00	0.0	0.0	4780.00	489.90	502.24	0.0	4.41	1074.09	1929.13	2586.47	0.87	

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	UIFWSP
11800.000	24.50	0.0	0.0	1490.00	490.10	500.01	0.0	4.44	1164.21	1839.77	686.70	0.0
11800.000	24.50	0.0	0.0	2510.00	490.10	501.02	0.0	4.39	1113.92	1895.64	1419.56	1.01
11800.000	24.50	0.0	0.0	3070.00	490.10	501.38	0.0	4.48	1098.06	1906.20	1709.29	0.36
11800.000	24.50	0.0	0.0	4780.00	490.10	502.26	0.0	4.72	1078.01	1925.38	2439.62	0.87
11825.000	24.50	0.0	0.0	1490.00	490.30	500.29	0.0	1.59	1091.46	1903.31	1944.60	0.0
11825.000	24.50	0.0	0.0	2510.00	490.30	501.20	0.0	1.83	1078.25	1937.07	2705.90	0.91
11825.000	24.50	0.0	0.0	3070.00	490.30	501.55	0.0	1.98	1073.23	1949.91	3006.71	0.35
11825.000	24.50	0.0	0.0	4780.00	490.30	502.40	0.0	2.37	1060.88	1981.45	3771.96	0.85
11826.000	1.00	496.90	497.90	1490.00	490.30	500.30	0.0	1.04	1091.45	1903.33	1874.87	0.0
11826.000	1.00	496.90	497.90	2510.00	490.30	501.21	0.0	1.13	1078.25	1937.07	2635.98	0.91
11826.000	1.00	496.90	497.90	3070.00	490.30	501.55	0.0	1.21	1073.21	1949.95	2937.68	0.35
11826.000	1.00	496.90	497.90	4780.00	490.30	502.41	0.0	1.42	1060.87	1981.47	3702.51	0.85
11837.000	11.00	496.90	497.90	1490.00	490.30	500.30	0.0	1.03	1091.30	1903.72	1883.39	0.0
11837.000	11.00	496.90	497.90	2510.00	490.30	501.21	0.0	1.13	1078.09	1937.47	2645.21	0.91
11837.000	11.00	496.90	497.90	3070.00	490.30	501.56	0.0	1.21	1073.04	1950.37	2947.53	0.35
11837.000	11.00	496.90	497.90	4780.00	490.30	502.41	0.0	1.42	1060.68	1981.97	3714.88	0.85
11838.000	1.00	0.0	0.0	1490.00	490.30	500.30	0.0	1.58	1091.27	1903.78	1954.88	0.0
11838.000	1.00	0.0	0.0	2510.00	490.30	501.21	0.0	1.82	1078.07	1937.52	2716.26	0.91