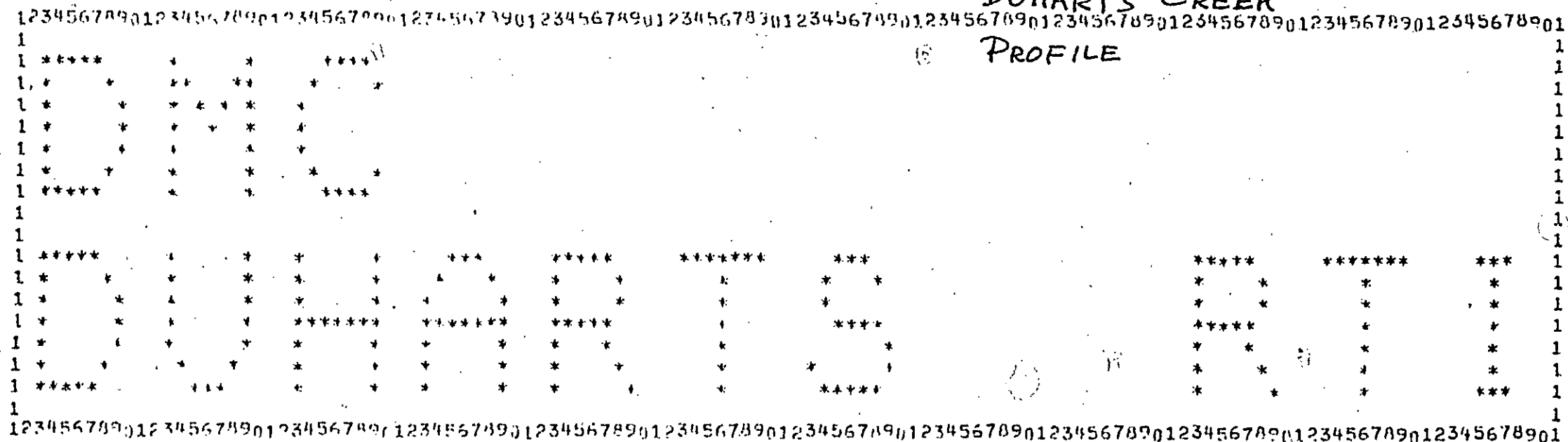


# DUHARTS CREEK

## PROFILE



IEF237I 177 ALLOCATED TO FT94F001  
IEF237J 177 ALLOCATED TO FT95F001  
IEF237I 177 ALLOCATED TO FT94F001  
IEF142I - STEP WAS EXECUTED - COND CODE 0000  
IEF285I PFI.A25.P03078.ICW.LIN.LOAD KEPT  
IEF285I VOL SER NOS= RTI444.  
IEF285I SYS78132.T173703.RV001.DUHARTS.191 DELETED  
IEF285I VOL SER NOS= SPARE7.  
IEF285I SYS78132.T173703.RV001.DUHARTS.192 DELETED  
IEF285I VOL SER NOS= SPARE7.  
IEF285I SYS78132.T173703.RV001.DUHARTS.193 DELETED  
IEF285I VOL SER NOS= SPARE7.  
IEF285I SYS78132.T173703.RV001.DUHARTS.194 DELETED  
IEF285I VOL SER NOS= SPARE7.  
IEF285I SYS78132.T173703.RV001.DUHARTS.195 DELETED  
IEF285I VOL SER NOS= SPARE7.  
IEF285I SYS78132.T173703.RV001.DUHARTS.196 DELETED  
IEF285I VOL SER NOS= SPARE7.



GR	566.400	1350.000	567.000	1250.000	567.200	1275.000	566.400	1300.000	567.200	1325.000
GR	566.300	1475.000	567.000	1500.000	567.300	1525.000	568.200	1550.000	567.900	1575.000
GR	567.800	1600.000	568.000	1625.000	568.200	1650.000	568.000	1675.000	567.900	1700.000
GR	564.000	1725.000	568.200	1750.000	567.800	1775.000	568.000	1800.000	568.000	1825.000
GR	568.000	1850.000	573.100	1900.000	574.700	1935.000	575.700	1977.000	576.300	2000.000
GR	576.700	2100.000	576.600	2200.000	575.500	2238.000	566.500	2238.000	566.400	2263.000
GR	568.300	2263.000	566.900	2285.000	575.800	2285.000	575.300	2301.000	574.800	2335.000
GR	581.700	2341.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	1557.000	0.0	0.0	0.0	16.000	16.000	16.000	0.0	0.110	0.0
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X1	1573.000	33.000	1343.000	1537.000	16.000	16.000	16.000	0.0	0.0	0.0
GR	582.000	1000.000	578.200	1100.000	577.300	1200.000	577.000	1300.000	574.400	1342.900
GR	574.400	1343.000	570.300	1366.400	567.400	1381.700	574.500	1381.700	574.600	1384.700
GR	567.500	1384.700	566.900	1400.000	565.500	1440.000	565.400	1443.200	567.200	1495.200
GR	574.500	1495.200	574.500	1498.200	567.200	1498.200	567.400	1500.000	569.400	1519.700
GR	574.400	1537.000	574.400	1537.100	576.400	1600.000	576.500	1700.000	576.600	1800.000
GR	576.500	1900.000	576.500	2000.000	576.300	2100.000	576.000	2200.000	574.900	2300.000
GR	575.400	2400.000	575.200	2431.000	580.500	2440.000	0.0	0.0	0.0	0.0

XJ	1574.000	0.0	0.0	0.0	1.000	1.000	1.000	0.0	0.0	0.0
BT	22.000	1000.000	582.000	0.0	1100.000	578.200	0.0	1200.000	577.300	0.0
BT	1300.000	577.000	0.0	1342.900	577.100	0.0	1343.000	577.100	574.400	1400.000
BT	577.300	574.600	1400.000	577.300	574.600	1500.000	577.200	574.500	1537.000	577.100
BT	574.400	1537.100	577.100	0.0	1600.000	576.400	0.0	1700.000	576.500	0.0
BT	1800.000	576.500	0.0	1900.000	576.500	0.0	2000.000	576.500	0.0	2100.000
BT	576.300	0.0	2200.000	576.000	0.0	2300.000	574.900	0.0	2400.000	575.400
BT	0.0	2431.000	575.200	0.0	2440.000	580.500	0.0	0.0	0.0	0.0

XJ	1590.000	33.000	1343.000	1537.000	16.000	16.000	16.000	0.0	0.0	0.0
BT	22.000	1000.000	582.000	0.0	1100.000	578.200	0.0	1200.000	577.300	0.0
BT	1300.000	577.000	0.0	1342.900	577.100	0.0	1343.000	577.100	574.400	1400.000
BT	577.300	574.600	1400.000	577.300	574.600	1500.000	577.200	574.500	1537.000	577.100
BT	574.400	1537.100	577.100	0.0	1600.000	576.400	0.0	1700.000	576.500	0.0
BT	1800.000	576.500	0.0	1900.000	576.500	0.0	2000.000	576.500	0.0	2100.000
BT	576.300	0.0	2200.000	576.000	0.0	2300.000	574.900	0.0	2400.000	575.400
BT	0.0	2431.000	575.200	0.0	2440.000	580.500	0.0	0.0	0.0	0.0
GR	582.000	1000.000	578.200	1100.000	577.300	1200.000	577.000	1300.000	574.400	1342.900
GR	574.400	1343.000	570.300	1366.400	567.400	1381.700	574.500	1381.700	574.600	1384.700
GR	567.500	1384.700	566.900	1400.000	565.500	1440.000	565.400	1443.200	567.200	1495.200
GR	574.500	1495.200	574.500	1498.200	567.200	1498.200	567.400	1500.000	569.400	1519.700
GR	574.400	1537.000	574.400	1537.100	576.400	1600.000	576.500	1700.000	576.600	1800.000
GR	576.500	1900.000	576.500	2000.000	576.300	2100.000	576.000	2200.000	574.900	2300.000
GR	575.400	2400.000	575.200	2431.000	580.500	2440.000	0.0	0.0	0.0	0.0

BT	0.0	2431.000	575.200	0.0	2440.000	580.500	0.0	0.0	0.0	0.0
GR	582.000	1000.000	578.200	1100.000	577.300	1200.000	577.000	1300.000	574.400	1342.900
GR	574.400	1343.000	570.300	1366.400	567.400	1381.700	574.500	1381.700	574.600	1384.700
GR	567.500	1384.700	566.900	1400.000	565.500	1440.000	565.400	1443.200	567.200	1495.200
GR	574.500	1495.200	574.500	1498.200	567.200	1498.200	567.400	1500.000	569.400	1519.700
GP	574.400	1537.000	574.400	1537.100	576.400	1600.000	576.500	1700.000	576.600	1800.000
GR	576.500	1900.000	576.500	2000.000	576.300	2100.000	576.000	2200.000	574.900	2300.000
GR	575.400	2400.000	575.200	2431.000	580.500	2440.000	0.0	0.0	0.0	0.0

X1	1591.000	0.0	0.0	0.0	1.000	1.000	1.000	0.0	0.0	0.0
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X1	1615.000	27.000	1187.000	1591.000	25.000	25.000	25.000	0.0	0.0	0.0
GR	585.500	1000.000	580.000	1100.000	577.000	1169.000	576.200	1187.000	568.400	1205.000
GR	568.100	1225.000	567.900	1250.000	568.300	1275.000	567.700	1300.000	567.100	1325.000
GR	566.700	1350.000	566.900	1375.000	566.300	1389.000	565.900	1400.000	565.300	1425.000
GR	555.800	1450.000	567.900	1475.000	568.300	1500.000	568.600	1525.000	568.700	1550.000
GR	563.700	1569.000	574.300	1591.000	575.900	1700.000	579.300	1744.000	579.700	1772.000
GR	582.200	1800.000	565.900	1834.000	0.0	0.0	0.0	0.0	0.0	0.0

X1	1641.000	0.0	0.0	0.0	25.000	25.000	25.000	0.0	0.0	0.0
VC	0.050	0.050	0.040	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	2250.000	25.000	1196.000	1238.000	639.000	639.000	639.000	0.0	0.0	0.0
GR	580.400	1000.000	579.800	1006.000	579.900	1014.000	579.600	1023.000	579.200	1025.000
GR	579.600	1025.500	579.000	1028.000	568.800	1046.000	568.500	1050.000	568.400	1100.000
GR	569.700	1150.000	569.500	1196.000	568.600	1189.000	564.200	1196.000	563.500	1200.000
GR	564.000	1211.000	565.400	1227.000	568.600	1236.000	570.400	1238.000	569.400	1300.000
GR	564.800	1350.000	569.600	1400.000	568.000	1436.000	569.500	1450.000	579.600	1500.000

X1	2290.000	0.0	0.0	0.0	10.000	10.000	10.000	0.0	0.0	0.0
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X1	2300.000	67.000	1051.000	1476.000	10.000	10.000	10.000	0.0	0.0	0.0
GR	580.400	1000.000	579.800	1007.000	579.900	1015.000	579.500	1024.000	579.300	1026.000
GR	579.700	1026.100	579.700	1026.500	576.500	1030.900	576.400	1031.000	572.900	1031.000
GR	570.400	1050.000	569.300	1058.500	573.000	1058.500	573.000	1061.500	569.300	1061.500
GR	567.900	1100.000	566.800	1130.800	573.000	1130.800	573.000	1133.000	566.800	1133.800
GR	566.200	1135.000	567.600	1150.000	570.200	1178.500	573.100	1178.500	573.100	1181.500
GR	570.200	1181.500	568.000	1187.000	568.200	1200.000	564.600	1202.500	573.100	1202.500
GR	573.100	1205.500	568.600	1205.500	571.100	1234.000	569.900	1250.000	569.900	1250.300
GR	573.000	1250.300	573.000	1253.800	569.900	1253.800	569.500	1298.500	573.000	1298.500
GR	573.000	1300.000	573.000	1301.500	569.500	1301.500	568.700	1347.300	573.000	1347.300
GR	573.000	1348.800	568.700	1348.800	568.700	1350.000	569.000	1370.300	573.000	1370.300
GR	573.000	1373.800	569.000	1373.800	569.800	1400.000	569.600	1418.500	572.900	1418.500
GR	572.900	1421.500	569.700	1421.500	569.600	1450.000	569.600	1467.300	572.700	1467.300

GR	573,000	573,000	1301,500	568,700	1347,300	573,000	1347,300	1347,300
GR	573,000	568,700	1350,000	569,000	1370,300	573,000	1370,300	1370,300
GR	573,000	569,000	1400,000	569,600	1418,500	572,900	1418,500	1418,500
GR	572,900	569,600	1450,000	569,600	1467,300	572,700	1467,300	1467,300
GR	572,700	572,700	1476,000	576,200	1476,000	576,100	1476,100	1476,100
GR	576,100	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	2301,000	1,000	1,000	1,000	0.0	0.0	0.0	0.0
BT	22,000	1007,000	579,800	0.0	1015,000	579,900	579,900	0.0
BT	1024,000	579,300	0.0	1026,100	579,700	0.0	0.0	1026,500
BT	579,700	0.0	1031,000	576,400	572,900	1050,000	1050,000	576,500
BT	573,000	1150,000	576,500	573,000	1200,000	576,600	576,600	573,100
BT	1250,000	576,500	573,000	1350,000	576,500	573,000	573,000	1400,000
BT	576,500	572,800	1476,000	576,200	572,700	1476,100	1476,100	576,200
BT	0.0	1510,000	581,700	0.0	0.0	0.0	0.0	0.0

X1	2302,000	1,000	1,000	1,000	0.0	0.0	0.0	0.0
BT	22,000	1007,000	579,800	0.0	1015,000	579,900	579,900	0.0
BT	1024,000	579,300	0.0	1026,100	579,700	0.0	0.0	1026,500
BT	579,700	0.0	1031,000	576,400	572,900	1050,000	1050,000	576,500
BT	573,000	1150,000	576,500	573,000	1200,000	576,600	576,600	573,100
BT	1250,000	576,500	573,000	1350,000	576,500	573,000	573,000	1400,000
BT	576,500	572,800	1476,000	576,200	572,700	1476,100	1476,100	576,200
BT	0.0	1510,000	581,700	0.0	0.0	0.0	0.0	0.0

GR	580,400	579,900	1015,000	579,500	1024,000	579,300	1026,000	1026,000
GR	579,700	576,500	1030,900	576,400	1031,900	572,900	1031,000	1031,000
GR	570,400	573,000	1058,500	573,000	1061,500	569,300	1061,500	1061,500
GR	557,900	573,000	1130,800	573,000	1133,800	566,800	1133,800	1133,800
GR	566,200	570,200	1178,500	573,100	1178,500	573,100	1181,500	1181,500
GR	570,200	564,260	1200,000	564,600	1202,500	573,100	1202,500	1202,500
GR	573,100	571,100	1234,000	569,900	1250,000	569,300	1250,300	1250,300
GR	573,000	569,900	1253,800	569,500	1298,500	573,000	1298,500	1298,500
GR	573,000	569,500	1301,500	568,700	1347,300	573,000	1347,300	1347,300
GR	573,000	568,700	1350,000	569,000	1370,300	573,000	1370,300	1370,300
GR	573,000	569,800	1400,000	569,600	1418,500	572,900	1418,500	1418,500
GR	572,900	569,600	1450,000	569,600	1467,300	572,700	1467,300	1467,300
GR	572,700	572,700	1476,000	576,200	1476,000	576,100	1476,100	1476,100
GR	576,100	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	2303,000	1,000	1,000	1,000	0.0	0.0	0.0	0.0
BT	22,000	1007,000	579,800	0.0	1015,000	579,900	579,900	0.0
BT	1024,000	579,300	0.0	1026,100	579,700	0.0	0.0	1026,500
BT	579,700	0.0	1031,000	576,400	572,900	1050,000	1050,000	576,500
BT	573,000	1150,000	576,500	573,000	1200,000	576,600	576,600	573,100
BT	1250,000	576,500	573,000	1350,000	576,500	573,000	573,000	1400,000
BT	576,500	572,800	1476,000	576,200	572,700	1476,100	1476,100	576,200
BT	0.0	1510,000	581,700	0.0	0.0	0.0	0.0	0.0

X1	2313,000	25,000	1186,000	1186,000	1238,000	0.070	0.0	0.0
GR	580,400	1000,000	579,800	579,600	1023,000	579,200	1025,000	1025,000
GR	579,600	1025,500	579,000	568,500	1050,000	568,400	1100,000	1100,000
GR	568,700	1150,000	569,500	564,200	1196,000	563,500	1200,000	1200,000
GR				570,000	1238,000	569,400	1300,000	1300,000



BT	570.600	564.500	1110.000	570.600	564.700	1110.200	570.600	564.500	1117.000	570.500
BT	0.0	1132.000	570.200	0.0	1146.000	571.500	0.0	1154.000	571.700	0.0
BT	1159.000	573.100	0.0	1167.000	577.100	0.0	1184.000	581.500	0.0	1227.000
BT	521.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	4315.000	15.000	1049.000	1160.000	25.000	25.000	25.000	0.0	0.200	0.0
GR	586.100	1000.000	584.100	1022.000	576.500	1032.000	575.200	1049.000	571.400	1062.000
GR	569.000	1067.000	568.500	1068.000	574.700	1096.000	564.200	1118.000	564.300	1132.000
GR	568.000	1146.000	568.700	1147.000	573.300	1160.000	577.200	1165.000	581.400	1188.000

X1	4340.000	0.0	0.0	0.0	25.000	25.000	25.000	0.0	0.0	0.0
BT	5.000	2150.000	3350.000	3810.000	4840.000	3810.000	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	7.100	22.500	103.500	0.0	0.0

X1	4900.000	12.000	46.000	24.000	560.000	560.000	560.000	0.0	0.0	0.0
GR	533.100	0.0	578.600	13.000	576.700	34.000	573.000	46.000	570.400	48.000
GR	567.600	51.000	567.400	58.000	569.000	66.000	569.300	83.000	570.400	86.000
GR	574.900	94.000	583.300	122.000	0.0	0.0	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	7.100	20.400	89.700	0.0	0.0

X1	6831.000	12.000	38.000	75.000	1991.000	1991.000	1991.000	0.0	0.0	0.0
GR	604.000	0.0	595.700	20.000	592.300	28.000	590.200	38.000	588.900	40.000
GR	549.400	41.000	538.200	53.000	588.600	66.000	588.900	68.000	592.500	75.000
GR	594.000	86.000	603.400	109.000	0.0	0.0	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0

X1	8291.000	13.000	1030.000	1074.000	1400.000	1400.000	1400.000	0.0	0.0	0.0
GR	603.100	1000.000	597.400	1015.000	597.100	1030.000	589.900	1036.000	588.300	1048.000
GR	587.400	1054.000	588.300	1067.000	588.600	1068.000	595.200	1074.000	595.800	1084.000
GR	526.900	1100.000	598.700	1117.000	602.900	1136.000	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	7.100	1065.700	1113.500	0.0	0.0

X1	10410.000	18.000	1071.000	1115.000	2119.000	2119.000	2119.000	0.0	0.0	0.0
GR	618.700	1000.000	616.300	1020.000	613.500	1050.000	612.200	1058.000	610.700	1065.000
GR	610.000	1071.000	603.500	1077.000	603.200	1080.000	602.900	1087.000	602.700	1096.000
GR	603.200	1105.000	611.900	1115.000	612.000	1165.000	612.600	1215.000	612.900	1265.000
GR	613.100	1315.000	614.400	1365.000	618.500	1395.000	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	7.100	1060.900	1114.700	0.0	0.0

X1	10435.000	0.0	0.0	0.0	25.000	25.000	25.000	0.0	0.200	0.0
ET	5.000	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0





BT	12.000	1000.000	622.700	0.0	1042.000	619.100	0.0	1106.000	618.200	0.0
BT	1106.900	618.200	0.0	1107.000	618.200	616.200	1151.000	618.200	616.200	1195.000
BT	618.300	616.300	1105.100	618.300	0.0	1196.000	618.300	0.0	1250.000	619.000
BT	0.0	1300.000	620.500	0.0	1350.000	622.700	0.0	0.0	0.0	0.0
GR	622.700	1000.000	619.100	1042.000	618.200	1105.000	614.200	1106.900	613.700	1107.000
GR	609.700	1131.000	603.700	1135.300	616.200	1135.300	616.200	1136.300	603.700	1136.300
GR	603.700	1141.000	603.300	1151.000	603.100	1157.000	603.700	1165.000	603.700	1165.200
GR	616.200	1165.200	616.200	1166.200	603.700	1166.200	609.600	1173.000	612.400	1184.000
GR	613.100	1195.000	613.600	1195.100	618.300	1196.000	619.000	1250.000	620.500	1300.000
GR	622.700	1350.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	10480.000	0.0	0.0	0.0	1.000	1.000	1.000	0.0	0.0	0.0
NC	0.080	0.050	0.045	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.090	0.080	0.050	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	7.100	1108.600	1181.600	0.0	0.0

X1	10495.000	17.000	1108.000	1150.000	15.000	15.000	15.000	0.0	0.0	0.0
GR	618.600	1000.000	616.100	1031.000	615.100	1066.000	614.500	1100.000	614.000	1108.000
GR	607.700	1116.000	603.000	1125.000	603.100	1133.000	603.800	1140.000	604.100	1146.000
GR	606.200	1150.000	607.400	1155.000	609.300	1159.000	610.700	1171.000	613.600	1182.000
GR	616.300	1265.000	618.100	1282.000	0.0	0.0	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	7.100	1108.400	1185.400	0.0	0.0

X1	10510.000	0.0	0.0	0.0	15.000	15.000	15.000	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	7.100	1051.000	1131.000	0.0	0.0

X1	12688.000	17.000	1074.000	1115.000	2176.000	2178.000	2178.000	0.0	0.0	0.0
GR	644.800	1000.000	640.000	1022.000	637.900	1035.000	634.400	1039.000	636.900	1043.000
GR	636.800	1046.000	631.000	1054.000	630.700	1064.000	629.200	1074.000	626.500	1077.000
GR	625.300	1082.000	625.000	1091.000	625.100	1094.000	626.500	1101.000	629.800	1115.000
GR	630.900	1122.000	644.200	1165.000	0.0	0.0	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	7.100	1044.500	1176.500	0.0	0.0

X1	14438.000	15.000	1088.000	1128.000	1750.000	1750.000	1750.000	0.0	0.0	0.0
GR	655.000	1000.000	648.000	1036.000	641.800	1064.000	641.600	1088.000	637.000	1089.000
GR	635.800	1091.000	634.000	1101.000	634.800	1110.000	635.800	1114.000	636.800	1120.000
GR	639.900	1128.000	640.600	1134.000	643.600	1142.000	645.200	1168.000	652.600	1236.000
ET	5.000	0.0	0.0	0.0	0.0	7.100	1054.400	1147.400	0.0	0.0

X1	14463.000	0.0	0.0	0.0	25.000	25.000	25.000	0.0	1.650	0.0
ET	5.000	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0

X1	14480.000	29.000	1103.000	1231.000	25.000	25.000	25.000	0.0	0.0	0.0
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ET	5.000	0.0	0.0	0.0	25.00	25.000	25.000	0.0	1.650	0.0
					0.0	-10,400	0.0	0.0	0.0	0.0
X1	14489.000	29.000	1143.000	1231.000	25.000	25.000	25.000	0.0	0.0	0.0
GR	659.400	1000.000	655.600	1050.000	654.700	1100.000	654.200	1142.000	649.000	1142.900
GR	648.400	1143.000	645.600	1153.000	644.700	1162.300	640.700	1167.400	640.000	1171.500
GR	652.600	1171.500	652.600	1172.500	640.000	1172.500	638.200	1177.100	638.100	1187.000
GR	638.100	1201.700	652.600	1201.700	652.600	1202.700	638.100	1202.700	638.200	1203.100
GR	640.600	1208.200	646.200	1211.500	647.700	1218.800	652.300	1231.000	652.500	1231.100
GR	654.100	1232.000	654.400	1250.000	655.800	1300.000	659.000	1350.000	0.0	0.0
X1	14489.000	0.0	0.0	0.0	1.000	1.000	1.000	0.0	0.0	0.0
BT	13.000	1000.000	659.400	0.0	1050.000	655.600	0.0	1100.000	654.700	0.0
BT	1142.000	654.200	0.0	1142.900	654.100	0.0	1143.000	654.100	652.600	1187.000
BT	654.100	652.600	1231.000	654.100	652.600	1231.100	654.100	0.0	1232.000	654.100
BT	0.0	1250.000	654.400	0.0	1300.000	655.800	0.0	1350.000	659.000	0.0
X1	14512.000	29.000	1143.000	1231.000	23.300	23.300	23.300	0.0	0.0	0.0
BT	13.000	1000.000	659.400	0.0	1050.000	655.600	0.0	1100.000	654.700	0.0
BT	1142.000	654.200	0.0	1142.900	654.100	0.0	1143.000	654.100	652.600	1187.000
BT	654.100	652.600	1231.000	654.100	652.600	1231.100	654.100	0.0	1232.000	654.100
BT	0.0	1250.000	654.400	0.0	1300.000	655.800	0.0	1350.000	659.000	0.0
GR	659.400	1000.000	655.600	1050.000	654.700	1100.000	654.200	1142.000	649.000	1142.900
GR	648.400	1143.000	645.600	1153.000	644.700	1162.300	640.700	1167.400	640.000	1171.500
GR	652.600	1171.500	652.600	1172.500	640.000	1172.500	638.200	1177.100	638.100	1187.000
GR	638.100	1201.700	652.600	1201.700	652.600	1202.700	638.100	1202.700	638.200	1203.100
GR	640.600	1208.200	646.200	1211.500	647.700	1218.800	652.300	1231.000	652.500	1231.100
GP	654.100	1232.000	654.400	1250.000	655.800	1300.000	659.000	1350.000	0.0	0.0
X1	14513.000	0.0	0.0	0.0	1.000	1.000	1.000	0.0	0.0	0.0
JC	0.070	0.050	0.045	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	7.100	1043.500	1178.000	0.0	0.0
X1	14539.000	17.000	1114.000	1149.000	25.000	25.000	25.000	0.0	1.300	0.0
GR	657.100	1000.000	654.900	1013.000	647.400	1034.000	645.400	1071.000	642.400	1100.000
GR	642.200	1114.000	639.200	1119.000	638.800	1121.000	636.800	1123.000	635.500	1131.000
GR	636.800	1137.000	637.500	1143.000	640.700	1149.000	642.100	1166.000	646.900	1178.000
GR	650.700	1200.000	656.500	1262.000	0.0	0.0	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	7.100	1030.300	1188.600	0.0	0.0
X1	14563.000	0.0	0.0	0.0	25.000	25.000	25.000	0.0	-1.300	0.0
BT	5.000	2050.000	3150.000	3520.000	4530.000	3580.000	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0

GR	650.700	1200.000	656.900	1262.000	0.0	0.0	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	7.100	1030.300	1188.600	0.0	0.0
X1	14563.000	0.0	0.0	0.0	25.000	25.000	25.000	0.0	-1.300	0.0
QT	5.000	2050.000	3150.000	3580.000	4530.000	3580.000	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0
X1	17280.000	23.000	1313.000	1342.000	2725.000	2725.000	2725.000	0.0	0.0	0.0
GR	661.800	1000.000	659.900	1050.000	656.900	1100.000	652.800	1150.000	650.500	1200.000
GR	647.900	1250.000	650.400	1300.000	650.800	1307.000	651.600	1309.000	650.400	1313.000
GR	643.800	1322.000	642.800	1327.000	643.800	1331.000	647.400	1337.000	651.000	1342.000
GR	649.400	1400.000	650.300	1450.000	650.100	1500.000	650.700	1550.000	650.700	1600.000
GR	650.700	1650.000	656.500	1700.000	652.400	1723.000	0.0	0.0	0.0	0.0
EJ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

\*PROF 1

CCHV= 0.100 CFHV= 0.300

\*SECNO 1541.000

3265 DIVIDED FLOW

SECNO	DEPTH	CWSEL	CRINS	WSELK	EG	HV	HL	ULOSS	BANK ELEV
Q	QLOB	QCH	QRCB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLORL	XLCH	XLOBR	ITRIAL	IDC	ICOMT	CORAR	TOPWID	ENUST

1541.00	4.07	569.37	0.0	571.00	569.42	0.05	0.0	0.0	577.00
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 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977  
 ERROR CORR - 01  
 MODIFICATION - 50,51,52  
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NOTE- ASTERISK (\*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

10 YEAR FLOOD WATER SURF

SUMMARY PRINTOUT

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SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
1541.000	1541.00	0.0	0.0	2410.00	565.30	569.37	0.0	1.81	1222.76	2285.00	1347.00	0.0
1541.000	1541.00	0.0	0.0	3710.00	565.30	569.96	0.0	2.14	1218.94	2285.00	1757.36	0.59
1541.000	1541.00	0.0	0.0	4210.00	565.30	570.16	0.0	2.26	1217.67	2285.00	1894.70	0.20
1541.000	1541.00	0.0	0.0	5300.00	565.30	570.57	0.0	2.46	1215.02	2285.00	2185.00	0.41
1557.000	16.00	0.0	0.0	2410.00	565.41	569.38	0.0	1.90	1223.37	2285.00	1282.16	0.0
1557.000	16.00	0.0	0.0	3710.00	565.41	569.97	0.0	2.22	1219.55	2285.00	1691.72	0.59
1557.000	16.00	0.0	0.0	4210.00	565.41	570.17	0.0	2.34	1218.29	2285.00	1828.78	0.20
1557.000	16.00	0.0	0.0	5300.00	565.41	570.58	0.0	2.54	1215.62	2285.00	2118.54	0.41
* 1573.000	16.00	0.0	0.0	2410.00	565.40	568.80	568.80	8.41	1374.33	1513.77	286.41	0.0
* 1573.000	16.00	0.0	0.0	3710.00	565.40	569.56	569.56	9.46	1370.31	1520.25	392.32	0.76
* 1573.000	16.00	0.0	0.0	4210.00	565.40	569.81	569.81	9.83	1369.00	1521.11	428.37	0.25
* 1573.000	16.00	0.0	0.0	5300.00	565.40	570.33	570.33	10.49	1366.25	1522.90	505.31	0.52
1574.000	1.00	574.90	574.60	2410.00	565.40	569.08	0.0	7.45	1372.88	1516.47	323.54	0.0
1574.000	1.00	574.90	574.60	3710.00	565.40	569.91	0.0	8.34	1369.41	1521.50	444.74	0.84
1574.000	1.00	574.90	574.60	4210.00	565.40	570.18	0.0	8.70	1367.01	1522.41	484.05	0.27
1574.000	1.00	574.90	574.60	5300.00	565.40	570.67	0.0	9.53	1364.35	1524.06	556.07	0.49
1590.000	16.00	574.90	574.60	2410.00	565.40	569.53	0.0	6.18	1370.39	1520.20	390.03	0.0
1590.000	16.00	574.90	574.60	3710.00	565.40	570.37	0.0	7.23	1365.94	1523.09	513.42	0.84
1590.000	16.00	574.90	574.60	4210.00	565.40	570.65	0.0	7.59	1364.39	1524.03	554.93	0.28
1590.000	16.00	574.90	574.60	5300.00	565.40	571.24	0.0	8.20	1361.04	1526.06	646.52	0.59

1574.000	1.00	574.90	574.60	2410.00	565.40	569.91	0.0	8.34	1368.41	1521.50	444.74	0.84
1574.000	1.00	574.90	574.60	3710.00	565.40	570.18	0.0	8.70	1367.01	1522.41	484.05	0.27
1574.000	1.00	574.90	574.60	4210.00	565.40	570.67	0.0	9.53	1364.35	1524.06	556.07	0.49
1590.000	16.00	574.90	574.60	2410.00	565.40	569.53	0.0	6.18	1370.39	1520.20	390.03	0.0
1590.000	16.00	574.90	574.60	3710.00	565.40	570.37	0.0	7.23	1365.94	1523.09	513.42	0.84
1590.000	16.00	574.90	574.60	4210.00	565.40	570.65	0.0	7.59	1364.39	1524.03	554.93	0.28
1590.000	16.00	574.90	574.60	5300.00	565.40	571.24	0.0	8.20	1361.04	1526.06	646.52	0.59
1591.000	1.00	0.0	0.0	2410.00	565.40	569.54	0.0	6.17	1370.38	1520.20	390.43	0.0
1591.000	1.00	0.0	0.0	3710.00	565.40	570.38	0.0	7.22	1365.93	1523.10	513.64	0.84
1591.000	1.00	0.0	0.0	4210.00	565.40	570.67	0.0	7.56	1364.32	1524.07	556.66	0.29
1591.000	1.00	0.0	0.0	5300.00	565.40	571.26	0.0	8.17	1360.97	1526.11	648.63	0.59
1615.000	25.00	0.0	0.0	2410.00	565.30	570.16	0.0	2.40	1200.94	1573.98	1003.91	0.0
1615.000	25.00	0.0	0.0	3710.00	565.30	571.20	0.0	2.65	1198.52	1578.29	1398.62	1.05
1615.000	25.00	0.0	0.0	4210.00	565.30	571.56	0.0	2.74	1197.69	1579.79	1537.25	0.36
1615.000	25.00	0.0	0.0	5300.00	565.30	572.30	0.0	2.91	1195.99	1582.80	1819.77	0.73
1641.000	25.00	0.0	0.0	2410.00	565.30	570.18	0.0	2.38	1200.88	1574.10	1014.34	0.0
1641.000	25.00	0.0	0.0	3710.00	565.30	571.23	0.0	2.64	1198.48	1578.37	1406.15	1.04
1641.000	25.00	0.0	0.0	4210.00	565.30	571.59	0.0	2.73	1197.64	1579.86	1543.91	0.36
1641.000	25.00	0.0	0.0	5300.00	565.30	572.32	0.0	2.90	1195.96	1582.86	1825.01	0.73

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
2280.000	639.00	0.0	0.0	2410.00	563.50	570.93	0.0	4.24	1042.24	1457.08	958.61	0.0
2280.000	639.00	0.0	0.0	3710.00	563.50	571.87	0.0	4.49	1040.59	1461.71	1350.17	0.94
2280.000	639.00	0.0	0.0	4210.00	563.50	572.20	0.0	4.56	1040.00	1463.37	1491.43	0.33
2280.000	639.00	0.0	0.0	5300.00	563.50	572.89	0.0	4.68	1038.78	1466.78	1784.45	0.69
2290.000	10.00	0.0	0.0	2410.00	563.50	570.95	0.0	4.22	1042.22	1457.14	963.83	0.0
2290.000	10.00	0.0	0.0	3710.00	563.50	571.88	0.0	4.48	1040.57	1461.77	1354.74	0.93
2290.000	10.00	0.0	0.0	4210.00	563.50	572.22	0.0	4.54	1039.98	1463.42	1496.00	0.33
2290.000	10.00	0.0	0.0	5300.00	563.50	572.90	0.0	4.67	1038.77	1466.83	1788.49	0.69
2300.000	10.00	0.0	0.0	2410.00	564.20	571.01	0.0	2.82	1045.34	1472.07	855.10	0.0
2300.000	10.00	0.0	0.0	3710.00	564.20	571.23	0.0	3.03	1040.41	1474.20	1224.87	0.92
2300.000	10.00	0.0	0.0	4210.00	564.20	572.26	0.0	3.11	1040.33	1474.97	1350.78	0.33
2300.000	10.00	0.0	0.0	5300.00	564.20	572.93	0.0	3.23	1041.02	1475.00	1641.74	0.60
2301.000	1.00	576.10	573.10	2410.00	564.20	571.01	0.0	2.82	1045.37	1472.07	855.56	0.0
2301.000	1.00	576.10	573.10	3710.00	564.20	571.23	0.0	3.03	1040.41	1474.21	1225.57	0.92

2300.000	10.00	0.0	0.0	2410.00	564.20	571.01	0.0	2.82	1045.38	1472.07	855.10	0.0
2300.000	10.00	0.0	0.0	3710.00	564.20	571.93	0.0	3.03	1038.41	1474.20	1224.87	0.92
2300.000	10.00	0.0	0.0	4210.00	564.20	572.26	0.0	3.10	1035.70	1474.97	1359.78	0.33
2300.000	10.00	0.0	0.0	5300.00	564.20	572.93	0.0	3.23	1031.00	1476.00	1641.74	0.68
2301.000	1.00	576.10	573.10	2410.00	564.20	571.01	0.0	2.82	1045.37	1472.07	855.56	0.0
2301.000	1.00	576.10	573.10	3710.00	564.20	571.93	0.0	3.03	1038.39	1474.21	1225.57	0.92
2301.000	1.00	576.10	573.10	4210.00	564.20	572.26	0.0	3.09	1035.89	1474.97	1350.62	0.33
2301.000	1.00	576.10	573.10	5300.00	564.20	572.93	0.0	3.24	1031.00	1476.00	1634.74	0.68
2302.000	1.00	576.10	573.10	2410.00	564.20	571.01	0.0	2.81	1045.34	1472.08	856.72	0.0
2302.000	1.00	576.10	573.10	3710.00	564.20	571.93	0.0	3.02	1038.38	1474.21	1226.46	0.92
2302.000	1.00	576.10	573.10	4210.00	564.20	572.26	0.0	3.09	1035.87	1474.98	1361.52	0.33
2302.000	1.00	576.10	573.10	5300.00	564.20	572.94	0.0	3.24	1031.00	1476.00	1635.08	0.68
2303.000	1.00	0.0	0.0	2410.00	564.20	571.01	0.0	2.81	1045.33	1472.09	857.69	0.0
2303.000	1.00	0.0	0.0	3710.00	564.20	571.93	0.0	3.02	1038.36	1474.21	1227.26	0.92
2303.000	1.00	0.0	0.0	4210.00	564.20	572.26	0.0	3.09	1035.86	1474.98	1362.22	0.33
2303.000	1.00	0.0	0.0	5300.00	564.20	572.94	0.0	3.22	1031.00	1476.00	1643.44	0.68
2313.000	10.00	0.0	0.0	2410.00	563.57	571.00	0.0	4.23	1042.23	1457.10	960.62	0.0
2313.000	10.00	0.0	0.0	3710.00	563.57	571.93	0.0	4.51	1040.61	1461.66	1345.72	0.92
2313.000	10.00	0.0	0.0	4210.00	563.57	572.26	0.0	4.58	1040.02	1463.30	1485.57	0.33
2313.000	10.00	0.0	0.0	5300.00	563.57	572.94	0.0	4.70	1038.80	1466.73	1780.03	0.68
2323.000	10.00	0.0	0.0	2410.00	563.50	571.03	0.0	4.06	1042.07	1457.57	999.82	0.0
2323.000	10.00	0.0	0.0	3710.00	563.50	571.95	0.0	4.38	1040.45	1462.09	1382.01	0.92
2323.000	10.00	0.0	0.0	4210.00	563.50	572.28	0.0	4.46	1039.87	1463.73	1521.75	0.33
2323.000	10.00	0.0	0.0	5300.00	563.50	572.96	0.0	4.60	1038.67	1467.10	1812.02	0.68
3190.000	3190.00	0.0	0.0	2410.00	567.60	573.54	0.0	2.36	61.63	510.59	1486.51	0.0
3190.000	3190.00	0.0	0.0	3710.00	567.60	574.51	0.0	2.74	56.68	512.71	1921.78	0.97
3190.000	3190.00	0.0	0.0	4210.00	567.60	574.83	0.0	2.87	55.00	513.42	2070.63	0.33
3190.000	3190.00	0.0	0.0	5300.00	567.60	575.49	0.0	3.11	51.61	514.86	2373.56	0.66
4190.000	1000.00	0.0	0.0	2410.00	564.20	574.00	0.0	3.26	1053.10	1160.90	740.28	0.0
4190.000	1000.00	0.0	0.0	3710.00	564.20	575.03	0.0	4.35	1049.57	1162.22	854.15	1.03
4190.000	1000.00	0.0	0.0	4210.00	564.20	575.37	0.0	4.73	1046.79	1162.65	892.25	0.34
4190.000	1000.00	0.0	0.0	5300.00	564.20	576.03	0.0	5.50	1038.19	1163.50	971.59	0.66
4215.000	25.00	0.0	0.0	2410.00	564.20	574.02	0.0	3.25	1053.05	1160.92	741.81	0.0
4215.000	25.00	0.0	0.0	3710.00	564.20	575.06	0.0	4.34	1047.51	1162.24	855.99	1.04
4215.000	25.00	0.0	0.0	4210.00	564.20	575.40	0.0	4.72	1046.54	1162.68	894.52	0.34
4215.000	25.00	0.0	0.0	5300.00	564.20	576.06	0.0	5.48	1037.82	1163.53	975.13	0.66

SECHO	YLCH	ELTFD	ELLC	Q	ELMIN	CWSEL	CRHS	VCH	SSTA	ENDST	AREA	DIFWSP
4240.000	25.00	0.0	0.0	2410.00	564.30	574.03	0.0	3.81	1045.34	1152.81	729.56	0.0
4240.000	25.00	0.0	0.0	3710.00	564.30	575.08	0.0	5.07	1041.75	1154.15	844.73	1.05
4240.000	25.00	0.0	0.0	4210.00	564.30	575.42	0.0	5.50	1039.40	1154.59	883.58	0.34
4240.000	25.00	0.0	0.0	5300.00	564.30	576.09	0.0	6.36	1030.63	1155.45	964.03	0.67
4290.000	50.00	570.20	564.70	2410.00	564.30	575.37	0.0	3.17	1040.03	1154.53	878.04	0.0
4290.000	50.00	570.20	564.70	3710.00	564.30	576.68	0.0	4.15	1023.89	1156.21	1040.03	1.31
4290.000	50.00	570.20	564.70	4210.00	564.30	577.12	0.0	4.47	1023.31	1156.77	1098.36	0.44
4290.000	50.00	570.20	564.70	5300.00	564.30	578.00	0.0	5.10	1022.15	1160.86	1218.33	0.88
4315.000	25.00	0.0	0.0	2410.00	564.40	575.30	0.0	3.95	1049.33	1162.31	612.09	0.0
4315.000	25.00	0.0	0.0	3710.00	564.40	576.58	0.0	4.91	1033.53	1163.95	767.17	1.28
4315.000	25.00	0.0	0.0	4210.00	564.40	577.01	0.0	5.23	1031.59	1164.50	823.79	0.43
4315.000	25.00	0.0	0.0	5300.00	564.40	577.87	0.0	5.83	1030.45	1167.60	940.02	0.86
4340.000	25.00	0.0	0.0	2410.00	564.40	575.34	0.0	3.93	1049.23	1162.35	615.19	0.0
4340.000	25.00	0.0	0.0	3710.00	564.40	576.62	0.0	4.89	1033.10	1163.99	771.47	1.28
4340.000	25.00	0.0	0.0	4210.00	564.40	577.05	0.0	5.20	1031.54	1164.55	828.50	0.43
4340.000	25.00	0.0	0.0	5300.00	564.40	577.92	0.0	5.80	1030.45	1167.81	945.30	0.87
4900.000	560.00	0.0	0.0	2150.00	567.40	576.01	0.0	6.74	36.20	97.74	331.08	0.0
4900.000	560.00	0.0	0.0	3350.00	567.40	577.31	0.0	8.59	27.23	102.04	417.50	1.30
4900.000	560.00	0.0	0.0	3810.00	567.40	577.73	0.0	9.19	22.56	103.45	450.38	0.42
4900.000	560.00	0.0	0.0	4840.00	567.40	578.56	0.0	10.38	13.41	106.21	522.33	0.83
6891.000	1991.00	0.0	0.0	2150.00	588.20	593.58	593.58	11.54	25.00	82.89	202.81	0.0
6891.000	1991.00	0.0	0.0	3350.00	588.20	595.04	595.04	12.90	21.54	88.55	295.56	1.47
6891.000	1991.00	0.0	0.0	3810.00	588.20	595.52	595.52	13.36	20.42	89.72	327.95	0.48
6891.000	1991.00	0.0	0.0	4840.00	588.20	596.45	596.45	14.33	18.18	92.00	394.82	0.93
8291.000	1400.00	0.0	0.0	2150.00	587.40	598.84	0.0	4.78	1011.21	1117.63	527.33	0.0
8291.000	1400.00	0.0	0.0	3350.00	587.40	600.73	0.0	5.61	1006.25	1126.15	740.42	1.89
8291.000	1400.00	0.0	0.0	3810.00	587.40	601.34	0.0	5.87	1004.63	1128.94	815.60	0.61
8291.000	1400.00	0.0	0.0	4840.00	587.40	602.58	0.0	6.35	1001.36	1134.56	975.66	1.24
* 10410.000	2119.00	0.0	0.0	2150.00	602.70	608.31	608.31	12.20	1072.56	1110.88	176.21	0.0
* 10410.000	2119.00	0.0	0.0	3350.00	602.70	609.98	609.98	13.79	1071.02	1112.80	242.98	1.67
* 10410.000	2119.00	0.0	0.0	3810.00	602.70	610.62	610.62	14.10	1065.67	1113.53	271.59	0.64
* 10410.000	2119.00	0.0	0.0	4840.00	602.70	613.50	613.50	10.66	1049.95	1330.57	638.49	2.88
10435.000	25.00	0.0	0.0	2150.00	602.90	609.36	0.0	10.28	1071.78	1111.84	209.09	0.0
10435.000	25.00	0.0	0.0	3350.00	602.90	611.21	0.0	11.66	1063.54	1113.98	290.83	1.85
10435.000	25.00	0.0	0.0	3810.00	602.90	611.82	0.0	12.10	1060.74	1114.67	322.17	0.61
* 10435.000	25.00	0.0	0.0	4840.00	602.90	613.70	613.70	10.67	1049.99	1330.45	637.60	1.88

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Comp Unit 3 17120

Corp	Units	D 73+20										
* 10410.000	2119.00	0.0	0.0	2150.00	602.70	608.31	608.31	12.20	1072.56	1110.80	176.21	0.0
* 10410.000	2119.00	0.0	0.0	3350.00	602.70	609.98	609.98	13.79	1071.02	1112.80	242.98	1.67
* 10410.000	2119.00	0.0	0.0	3810.00	602.70	610.62	610.62	14.10	1065.67	1113.53	271.59	0.64
* 10410.000	2119.00	0.0	0.0	4840.00	602.70	613.50	613.50	10.66	1049.95	1330.57	638.49	2.88
10435.000	25.00	0.0	0.0	2150.00	602.90	609.36	0.0	10.28	1071.78	1111.84	209.09	0.0
10435.000	25.00	0.0	0.0	3350.00	602.90	611.21	0.0	11.66	1063.54	1113.98	290.83	1.85
10435.000	25.00	0.0	0.0	3810.00	602.90	611.82	0.0	12.10	1060.74	1114.67	322.17	0.61
* 10435.000	25.00	0.0	0.0	4840.00	602.90	613.70	613.70	10.67	1049.99	1330.45	637.60	1.88
10460.000	25.00	0.0	0.0	2150.00	603.10	609.85	0.0	9.74	1130.07	1174.00	220.85	0.0
10460.000	25.00	0.0	0.0	3350.00	603.10	612.21	0.0	9.64	1115.92	1183.27	347.35	2.36
10460.000	25.00	0.0	0.0	3810.00	603.10	613.11	0.0	9.23	1110.55	1195.00	412.82	0.90
10460.000	25.00	0.0	0.0	4840.00	603.10	613.07	0.0	10.14	1106.97	1195.15	477.53	0.76
10461.000	1.00	618.20	616.30	2150.00	603.10	609.87	0.0	9.72	1130.31	1174.04	221.25	0.0
10461.000	1.00	618.20	616.30	3350.00	603.10	612.23	0.0	9.62	1115.85	1183.32	348.15	2.36
10461.000	1.00	618.20	616.30	3810.00	603.10	613.14	0.0	9.19	1110.43	1195.01	414.43	0.90
10461.000	1.00	618.20	616.30	4840.00	603.10	613.90	0.0	10.11	1106.96	1195.15	478.75	0.76

SECHO	YLCH	ELTRD	ELLC	G	ELMIN	CWSEL	CRINS	VCH	SSTA	ENDST	AREA	DIFWSP
10479.000	18.00	618.20	616.30	2150.00	603.10	610.44	0.0	8.69	1126.51	1176.33	247.49	0.0
10479.000	18.00	618.20	616.30	3350.00	603.10	612.74	0.0	8.72	1112.73	1189.42	384.18	2.30
10479.000	18.00	618.20	616.30	3810.00	603.10	613.56	0.0	8.45	1107.82	1195.09	450.94	0.82
10479.000	18.00	618.20	616.30	4840.00	603.10	614.38	0.0	9.28	1106.86	1195.25	521.69	0.82
10480.000	1.00	0.0	0.0	2150.00	603.10	610.46	0.0	8.67	1126.46	1176.36	247.85	0.0
10480.000	1.00	0.0	0.0	3350.00	603.10	612.76	0.0	8.71	1112.68	1189.54	384.77	2.30
10480.000	1.00	0.0	0.0	3810.00	603.10	613.57	0.0	8.44	1107.77	1195.09	451.66	0.82
10480.000	1.00	0.0	0.0	4840.00	603.10	614.39	0.0	9.27	1106.86	1195.25	522.37	0.82
10495.000	15.00	0.0	0.0	2150.00	603.10	610.52	0.0	9.44	1112.41	1169.50	248.91	0.0
10495.000	15.00	0.0	0.0	3350.00	603.10	612.76	0.0	9.89	1109.58	1178.81	390.75	2.23
10495.000	15.00	0.0	0.0	3810.00	603.10	613.50	0.0	10.03	1108.64	1181.62	443.48	0.74
10495.000	15.00	0.0	0.0	4840.00	603.10	614.21	0.0	11.47	1104.61	1200.82	502.19	0.71
10510.000	15.00	0.0	0.0	2150.00	603.10	610.85	0.0	8.85	1111.99	1171.59	268.15	0.0
10510.000	15.00	0.0	0.0	3350.00	603.10	612.99	0.0	9.53	1109.28	1179.69	406.97	2.14
10510.000	15.00	0.0	0.0	3810.00	603.10	613.71	0.0	9.72	1108.37	1185.43	459.25	0.72



10480.000	1.00	0.0	0.0	3810.00	603.10	613.57	0.0	8.44	1107.77	1195.09	451.66	0.82
10490.000	1.00	0.0	0.0	4040.00	603.10	614.39	0.0	9.27	1106.86	1195.25	522.37	0.82
10495.000	15.00	0.0	0.0	2150.00	603.10	610.52	0.0	9.44	1112.41	1169.50	248.91	0.0
10495.000	15.00	0.0	0.0	3350.00	603.10	612.76	0.0	9.89	1109.58	1178.81	390.75	2.23
10495.000	15.00	0.0	0.0	3810.00	603.10	613.50	0.0	10.03	1108.64	1181.62	443.48	0.74
10495.000	15.00	0.0	0.0	4840.00	603.10	614.21	0.0	11.47	1104.61	1200.82	502.19	0.71
10510.000	15.00	0.0	0.0	2150.00	603.10	610.85	0.0	8.85	1111.99	1171.51	250.15	0.0
10510.000	15.00	0.0	0.0	3350.00	603.10	612.99	0.0	9.53	1109.28	1179.69	406.97	2.14
10510.000	15.00	0.0	0.0	3810.00	603.10	613.71	0.0	9.72	1108.37	1185.43	459.25	0.72
10510.000	15.00	0.0	0.0	4840.00	603.10	614.53	0.0	10.97	1098.25	1210.63	535.25	0.82
12588.000	2178.00	0.0	0.0	2150.00	625.10	632.09	0.0	9.23	1053.54	1125.84	265.19	0.0
12688.000	2178.00	0.0	0.0	3350.00	625.10	633.30	0.0	11.26	1051.61	1129.74	355.83	1.21
12688.000	2178.00	0.0	0.0	3810.00	625.10	633.68	0.0	11.92	1050.98	1131.01	386.97	0.38
12688.000	2178.00	0.0	0.0	4840.00	625.10	634.90	0.0	12.42	1038.43	1134.93	488.02	1.22
14438.000	1750.00	0.0	0.0	2150.00	634.80	643.62	0.0	6.69	1055.79	1142.31	384.39	0.0
14438.000	1750.00	0.0	0.0	3350.00	634.80	645.52	0.0	7.63	1047.20	1170.95	586.18	1.90
14438.000	1750.00	0.0	0.0	3810.00	634.80	646.13	0.0	7.90	1044.46	1176.51	663.62	0.61
14438.000	1750.00	0.0	0.0	4840.00	634.80	647.15	0.0	8.64	1039.87	1185.85	804.93	1.02
14463.000	25.00	0.0	0.0	2150.00	636.45	643.19	0.0	9.89	1088.02	1136.50	224.17	0.0
14463.000	25.00	0.0	0.0	3350.00	636.45	645.00	0.0	10.93	1057.00	1141.34	361.52	1.81
14463.000	25.00	0.0	0.0	3810.00	636.45	645.58	0.0	11.23	1054.36	1147.43	412.69	0.58
14463.000	25.00	0.0	0.0	4840.00	636.45	646.51	0.0	12.24	1050.19	1162.46	507.68	0.92
14488.000	25.00	0.0	0.0	2150.00	638.10	643.36	0.0	11.33	1164.01	1209.82	189.76	0.0
14488.000	25.00	0.0	0.0	3350.00	638.10	644.87	644.79	12.96	1160.49	1210.72	258.52	1.51
14488.000	25.00	0.0	0.0	3810.00	638.10	645.51	645.51	13.06	1153.88	1211.10	291.65	0.65
14488.000	25.00	0.0	0.0	4840.00	638.10	646.61	646.61	13.61	1149.40	1213.49	355.50	1.09
14489.000	1.00	654.10	652.60	2150.00	638.10	643.67	0.0	10.57	1163.61	1210.01	203.47	0.0
14489.000	1.00	654.10	652.60	3350.00	638.10	645.53	0.0	11.45	1153.71	1211.11	292.52	1.85
14489.000	1.00	654.10	652.60	3810.00	638.10	646.18	0.0	11.56	1150.93	1211.49	329.59	0.65
14489.000	1.00	654.10	652.60	4840.00	638.10	647.36	0.0	11.98	1146.74	1217.12	404.10	1.18
14512.000	23.30	654.10	652.60	2150.00	638.10	644.88	0.0	8.30	1160.36	1210.73	259.15	0.0
14512.000	23.30	654.10	652.60	3350.00	638.10	646.88	0.0	8.99	1148.43	1214.81	372.64	2.00
14512.000	23.30	654.10	652.60	3810.00	638.10	647.50	0.0	9.19	1146.20	1217.84	414.40	0.62
14512.000	23.30	654.10	652.60	4840.00	638.10	648.70	0.0	9.63	1142.95	1221.45	502.37	1.20
14513.000	1.00	0.0	0.0	2150.00	638.10	644.90	0.0	8.27	1160.22	1210.73	259.83	0.0
14513.000	1.00	0.0	0.0	3350.00	638.10	646.91	0.0	8.95	1148.34	1214.93	374.18	2.01
14513.000	1.00	0.0	0.0	3810.00	638.10	647.53	0.0	9.16	1146.12	1217.96	416.03	0.62
14513.000	1.00	0.0	0.0	4840.00	638.10	648.73	0.0	9.60	1142.95	1221.51	504.19	1.19

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
14538.000	25.00	0.0	0.0	2150.00	636.80	645.13	0.0	8.86	1086.18	1170.32	289.65	0.0
14538.000	25.00	0.0	0.0	3350.00	636.80	647.47	0.0	8.46	1056.66	1176.19	523.18	2.35
14539.000	25.00	0.0	0.0	3810.00	636.80	648.18	0.0	8.45	1043.52	1177.96	613.38	0.71
14538.000	25.00	0.0	0.0	4840.00	636.80	649.55	0.0	8.45	1031.61	1185.83	813.96	1.37
14563.000	25.00	0.0	0.0	2150.00	635.50	645.98	0.0	5.64	1060.31	1175.69	499.96	0.0
14563.000	25.00	0.0	0.0	3350.00	635.50	648.06	0.0	6.04	1032.14	1184.75	785.33	2.08
14563.000	25.00	0.0	0.0	3810.00	635.50	648.73	0.0	6.16	1030.28	1188.59	888.47	0.66
14563.000	25.00	0.0	0.0	4840.00	635.50	650.02	0.0	6.44	1026.67	1196.05	1099.63	1.29
17288.000	2725.00	0.0	0.0	2050.00	642.80	651.92	0.0	4.67	1169.18	1660.50	875.86	0.0
17288.000	2725.00	0.0	0.0	3150.00	642.80	652.84	0.0	4.37	1149.46	1668.48	1344.11	0.92
17288.000	2725.00	0.0	0.0	3580.00	642.80	653.19	0.0	4.27	1145.25	1671.46	1524.41	0.35
17288.000	2725.00	0.0	0.0	4530.00	642.80	653.95	0.0	4.06	1135.96	1678.03	1931.44	0.76

#### SUMMARY OF ERRORS

CAUTION SECNO= 1573.000 PROFILE= 1 CRITICAL DEPTH ASSUMED  
CAUTION SECNO= 1573.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY  
CAUTION SECNO= 1573.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL  
CAUTION SECNO= 1573.000 PROFILE= 2 CRITICAL DEPTH ASSUMED  
CAUTION SECNO= 1573.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY  
CAUTION SECNO= 1573.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL  
CAUTION SECNO= 1573.000 PROFILE= 3 CRITICAL DEPTH ASSUMED  
CAUTION SECNO= 1573.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY  
CAUTION SECNO= 1573.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL  
CAUTION SECNO= 1573.000 PROFILE= 4 CRITICAL DEPTH ASSUMED  
CAUTION SECNO= 1573.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY  
CAUTION SECNO= 1573.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 6891.000 PROFILE= 1 CRITICAL DEPTH ASSUMED  
CAUTION SECNO= 6891.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY  
CAUTION SECNO= 6891.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL  
CAUTION SECNO= 6891.000 PROFILE= 2 CRITICAL DEPTH ASSUMED  
CAUTION SECNO= 6891.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY  
CAUTION SECNO= 6891.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL  
CAUTION SECNO= 6891.000 PROFILE= 3 CRITICAL DEPTH ASSUMED  
CAUTION SECNO= 6891.000 PROFILE= 3 MINIMUM SPECIFIC ENERGY  
CAUTION SECNO= 6891.000 PROFILE= 4 CRITICAL DEPTH ASSUMED  
CAUTION SECNO= 6891.000 PROFILE= 4 MINIMUM SPECIFIC ENERGY

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
1541.000	0.	-0.0	-0.2	0.4
1557.000	16.	-0.8	-0.2	0.4
1573.000	32.	-1.0	-0.2	0.5
1574.000	33.	-1.1	-0.3	0.5
1590.000	49.	-1.1	-0.3	0.6
1591.000	50.	-1.1	-0.3	0.6
1615.000	75.	-1.4	-0.4	0.7
1641.000	100.	-1.4	-0.4	0.7
2280.000	739.	-1.3	-0.3	0.7
2290.000	749.	-1.3	-0.3	0.7
2300.000	759.	-1.2	-0.3	0.7
2301.000	760.	-1.2	-0.3	0.7
2302.000	761.	-1.2	-0.3	0.7
2303.000	762.	-1.2	-0.3	0.7
2313.000	772.	-1.3	-0.3	0.7
2323.000	782.	-1.2	-0.3	0.7
3190.000	3972.	-1.3	-0.3	0.7
4190.000	4972.	-1.4	-0.3	0.7
4215.000	4997.	-1.4	-0.3	0.7
4240.000	5022.	-1.4	-0.3	0.7
4290.000	5072.	-1.7	-0.4	0.9
4315.000	5097.	-1.7	-0.4	0.9
4340.000	5122.	-1.7	-0.4	0.9
4900.000	5682.	-1.7	-0.4	0.8
6891.000	7673.	-1.9	-0.5	0.9
8291.000	9073.	-2.5	-0.6	1.2
10410.000	11192.	-2.3	-0.6	2.9
10435.000	11217.	-2.5	-0.6	1.9
10460.000	11242.	-3.3	-0.9	0.8
10461.000	11243.	-3.3	-0.9	0.8
10479.000	11261.	-3.1	-0.8	0.8
10480.000	11262.	-3.1	-0.8	0.8
10495.000	11277.	-3.0	-0.7	0.7
10510.000	11292.	-2.9	-0.7	0.8
12688.000	13470.	-1.6	-0.4	1.2
14438.000	15220.	-2.5	-0.6	1.0
14463.000	15245.	-2.4	-0.6	0.9

6891.000	7673.	-1.9	-0.5	0.9
8291.000	9073.	-2.5	-0.6	1.2
10410.000	11192.	-2.3	-0.6	2.9
10435.000	11217.	-2.5	-0.6	1.9
10460.000	11242.	-3.3	-0.9	0.8
10461.000	11243.	-3.3	-0.9	0.8
10479.000	11261.	-3.1	-0.8	0.8
10480.000	11262.	-3.1	-0.8	0.8
10495.000	11277.	-3.0	-0.7	0.7
10510.000	11292.	-2.9	-0.7	0.8
12688.000	13470.	-1.6	-0.4	1.2
14430.000	15220.	-2.5	-0.6	1.0
14463.000	15245.	-2.4	-0.6	0.9
14488.000	15270.	-2.2	-0.6	1.1
14489.000	15271.	-2.5	-0.7	1.2
14512.000	15294.	-2.6	-0.6	1.2
14513.000	15295.	-2.6	-0.6	1.2
14530.000	15320.	-3.1	-0.7	1.4
14563.000	15345.	-2.7	-0.7	1.3
17298.000	18070.	-1.3	-0.3	0.8

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 WEIGHTED AVG FOR REACH    -1.9            -0.5            1.0  
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FHF FOR THE REACH = 020 WITH 59.7% OF THE REACH WITHIN 0.5 FEET  
 ZONE FOR THE REACH = 4.4  
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CONTINUOUS FLOOD HAZARD FACTORS BY EVEN INCREMENTS

INC NO.	TOTAL LENGTH	AVG ELEVATION DATA			WTD. AVG.	FHF	PERCENT WITHIN
		100	10	DIFF.			
1	0.					SEC. 1541.000	
	100.	569.4	570.2	-0.8	-0.8	010	100.
	16.					SEC. 1557.000	
	32.					SEC. 1573.000	
	33.					SEC. 1574.000	
	49.					SEC. 1590.000	
	50.					SEC. 1591.000	
75.					SEC. 1615.000		
100.					SEC. 1641.000		
2	200.	570.2	571.6	-1.4	-1.1	010	100.
3	300.	570.4	571.7	-1.4	-1.2	010	100.
4	400.	570.5	571.8	-1.4	-1.2	010	100.
5	500.	570.6	571.9	-1.3	-1.2	010	100.

	02.					SEC.	1573.000	
	33.					SEC.	1574.000	
	49.					SLC.	1590.000	
	50.					SEC.	1591.000	
	75.					SEC.	1615.000	
	100.					SEC.	1641.000	
2	200.	570.2	571.6	-1.4	-1.1	010	100.	
3	300.	570.4	571.7	-1.4	-1.2	010	100.	
4	400.	570.5	571.8	-1.4	-1.2	010	100.	
5	500.	570.6	571.9	-1.3	-1.2	010	100.	
6	600.	570.7	572.0	-1.3	-1.3	015	100.	
7	700.	570.8	572.1	-1.3	-1.3	015	100.	
	739.					SEC.	2280.000	
	749.					SEC.	2290.000	
	759.					SEC.	2300.000	
	760.					SEC.	2301.000	
	761.					SEC.	2302.000	
	762.					SEC.	2303.000	
	772.					SEC.	2313.000	
	782.					SEC.	2323.000	
8	800.	571.0	572.3	-1.2	-1.3	015	100.	
9	900.	571.1	572.3	-1.2	-1.3	015	100.	
10	1000.	571.2	572.4	-1.2	-1.3	015	100.	
11	1100.	571.2	572.5	-1.2	-1.3	015	100.	
12	1200.	571.3	572.6	-1.3	-1.3	015	100.	
13	1300.	571.4	572.7	-1.3	-1.3	015	100.	
14	1400.	571.5	572.7	-1.3	-1.3	015	100.	
15	1500.	571.6	572.8	-1.3	-1.3	015	100.	
16	1600.	571.6	572.9	-1.3	-1.3	015	100.	
17	1700.	571.7	573.0	-1.3	-1.3	015	100.	
18	1800.	571.8	573.1	-1.3	-1.3	015	100.	
19	1900.	571.9	573.1	-1.3	-1.3	015	100.	
20	2000.	572.0	573.2	-1.3	-1.3	015	100.	
21	2100.	572.0	573.3	-1.3	-1.3	015	100.	
22	2200.	572.1	573.4	-1.3	-1.3	015	100.	
23	2300.	572.2	573.5	-1.3	-1.3	015	100.	
24	2400.	572.3	573.5	-1.3	-1.3	015	100.	
25	2500.	572.3	573.6	-1.3	-1.3	015	100.	
26	2600.	572.4	573.7	-1.3	-1.3	015	100.	
27	2700.	572.5	573.8	-1.3	-1.3	015	100.	
28	2800.	572.6	573.9	-1.3	-1.3	015	100.	
29	2900.	572.7	573.9	-1.3	-1.3	015	100.	
30	3000.	572.7	574.0	-1.3	-1.3	015	100.	
31	3100.	572.8	574.1	-1.3	-1.3	015	100.	
32	3200.	572.9	574.2	-1.3	-1.3	015	100.	
33	3300.	573.0	574.3	-1.3	-1.3	015	100.	
34	3400.	573.1	574.3	-1.3	-1.3	015	100.	
35	3500.	573.1	574.4	-1.3	-1.3	015	100.	
36	3600.	573.2	574.5	-1.3	-1.3	015	100.	
37	3700.	573.3	574.6	-1.3	-1.3	015	100.	

34	3400.	573.1	574.3	-1.3	-1.3	015	100.
35	3500.	573.1	574.4	-1.3	-1.3	015	100.
36	3600.	573.2	574.5	-1.3	-1.3	015	100.
37	3700.	573.3	574.6	-1.3	-1.3	015	100.
38	3800.	573.4	574.7	-1.3	-1.3	015	100.
39	3900.	573.4	574.7	-1.3	-1.3	015	100.
	3972.				SEC.	3190.000	
40	4000.	573.5	574.8	-1.3	-1.3	015	100.
41	4100.	573.6	574.9	-1.3	-1.3	015	100.
42	4200.	573.6	574.9	-1.3	-1.3	015	100.
43	4300.	573.7	575.0	-1.3	-1.3	015	100.
44	4400.	573.7	575.0	-1.3	-1.3	015	100.
45	4500.	573.8	575.1	-1.3	-1.3	015	100.
46	4600.	573.8	575.1	-1.3	-1.3	015	100.
47	4700.	573.9	575.2	-1.3	-1.3	015	100.
48	4800.	573.9	575.2	-1.4	-1.3	015	100.
49	4900.	573.9	575.3	-1.4	-1.3	015	100.
	4972.				SEC.	4190.000	
	4997.				SEC.	4215.000	
50	5000.	574.0	575.4	-1.4	-1.3	015	100.
	5022.				SEC.	4240.000	
	5072.				SEC.	4290.000	
	5097.				SEC.	4315.000	
51	5100.	575.3	577.0	-1.7	-1.3	015	98.
	5122.				SEC.	4340.000	
52	5200.	575.4	577.1	-1.7	-1.3	015	98.
53	5300.	575.5	577.2	-1.7	-1.3	015	98.
54	5400.	575.6	577.3	-1.7	-1.3	015	98.
55	5500.	575.7	577.5	-1.7	-1.3	015	98.
56	5600.	575.9	577.6	-1.7	-1.3	015	98.
	5622.				SEC.	4900.000	
57	5700.	576.0	577.8	-1.7	-1.3	015	98.
58	5800.	576.4	578.3	-1.7	-1.3	015	98.
59	5900.	577.5	579.2	-1.7	-1.3	015	98.
60	6000.	578.4	580.1	-1.8	-1.4	015	98.
61	6100.	579.3	581.0	-1.8	-1.4	015	98.
62	6200.	580.1	581.9	-1.8	-1.4	015	98.
63	6300.	581.0	582.6	-1.8	-1.4	015	98.
64	6400.	581.9	583.7	-1.8	-1.4	015	98.
65	6500.	582.8	584.6	-1.8	-1.4	015	98.
66	6600.	583.7	585.5	-1.8	-1.4	015	99.
67	6700.	584.6	586.4	-1.8	-1.4	015	99.
68	6800.	585.4	587.3	-1.8	-1.4	015	99.
69	6900.	586.3	588.2	-1.9	-1.4	015	99.
70	7000.	587.2	589.1	-1.9	-1.4	015	99.
71	7100.	588.1	590.0	-1.9	-1.4	015	99.
72	7200.	589.0	590.8	-1.9	-1.4	015	99.
73	7300.	589.8	591.7	-1.9	-1.4	015	99.
74	7400.	590.7	592.6	-1.9	-1.4	015	99.
75	7500.	591.6	593.5	-1.9	-1.5	015	99.

69	6900.	586.3	588.2	-1.9	-1.4	015	99.
70	7000.	587.2	589.1	-1.9	-1.4	015	99.
71	7100.	588.1	590.0	-1.9	-1.4	015	99.
72	7200.	589.0	590.8	-1.9	-1.4	015	99.
73	7300.	589.8	591.7	-1.9	-1.4	015	99.
74	7400.	590.7	592.6	-1.9	-1.4	015	99.
75	7500.	591.6	593.5	-1.9	-1.5	015	99.
76	7600.	592.5	594.4	-1.9	-1.5	015	99.
	7673.						
					SEC.	6891.000	
77	7700.	593.3	595.2	-1.9	-1.5	015	99.
78	7800.	593.9	595.8	-2.0	-1.5	015	97.
79	7900.	594.2	596.3	-2.0	-1.5	015	97.
80	8000.	594.6	596.7	-2.1	-1.5	015	96.
81	8100.	595.0	597.1	-2.1	-1.5	015	95.
82	8200.	595.4	597.5	-2.1	-1.5	015	94.
83	8300.	595.7	597.9	-2.2	-1.5	015	93.
84	8400.	596.1	598.3	-2.2	-1.5	015	93.
85	8500.	596.5	598.7	-2.3	-1.5	015	92.
86	8600.	596.9	599.2	-2.3	-1.5	015	91.
87	8700.	597.2	599.6	-2.3	-1.5	015	90.
88	8800.	597.6	600.0	-2.4	-1.6	015	89.
89	8900.	598.0	600.4	-2.4	-1.6	015	89.
90	9000.	598.4	600.8	-2.5	-1.6	015	88.
	9073.						
					SEC.	9291.000	
91	9100.	598.8	601.2	-2.5	-1.6	015	87.
92	9200.	599.2	601.7	-2.5	-1.6	015	86.
93	9300.	599.6	602.1	-2.5	-1.6	015	86.
94	9400.	600.1	602.6	-2.5	-1.6	015	85.
95	9500.	600.5	603.0	-2.5	-1.6	015	84.
96	9600.	601.0	603.4	-2.4	-1.6	015	83.
97	9700.	601.4	603.9	-2.4	-1.6	015	84.
98	9800.	601.8	604.3	-2.4	-1.6	015	83.
99	9900.	602.3	604.7	-2.4	-1.7	015	82.
100	10000.	602.7	605.2	-2.4	-1.7	015	81.
101	10100.	603.2	605.6	-2.4	-1.7	015	80.
102	10200.	603.7	606.1	-2.4	-1.7	015	80.
103	10300.	604.1	606.5	-2.4	-1.7	015	80.
104	10400.	604.5	606.9	-2.4	-1.7	015	79.
105	10500.	605.0	607.4	-2.4	-1.7	015	78.
106	10600.	605.4	607.8	-2.4	-1.7	015	77.
107	10700.	605.9	608.2	-2.4	-1.7	015	77.
108	10800.	606.3	608.7	-2.3	-1.7	015	77.
109	10900.	606.8	609.1	-2.3	-1.7	015	76.
110	11000.	607.2	609.6	-2.3	-1.7	015	75.
111	11100.	607.7	610.0	-2.3	-1.7	015	75.
	11192.						
					SEC.	10410.000	
112	11200.	608.3	610.6	-2.3	-1.7	015	74.
	11217.						
	11242.				SEC.	10435.000	
	11243.				SEC.	10460.000	
					SEC.	10461.000	

111	11100.	607.7	610.0	-2.3	-1.7	015	75.
	11192.					SEC. 10410.000	
112	11200.	608.3	610.6	-2.3	-1.7	015	74.
	11217.					SEC. 10435.000	
	11242.					SEC. 10460.000	
	11243.					SEC. 10461.000	
	11261.					SEC. 10479.000	
	11262.					SEC. 10480.000	
	11277.					SEC. 10495.000	
	11292.					SEC. 10510.000	
113	11300.	610.9	613.7	-2.9	-1.7	015	73.
114	11400.	611.4	614.2	-2.8	-1.8	020	68.
115	11500.	612.4	615.2	-2.8	-1.8	020	61.
116	11600.	613.4	616.1	-2.7	-1.8	020	56.
117	11700.	614.3	617.0	-2.6	-1.8	020	51.
118	11800.	615.3	617.9	-2.6	-1.8	020	47.
119	11900.	616.3	618.8	-2.5	-1.8	020	43.
120	12000.	617.3	619.7	-2.5	-1.8	020	42.
121	12100.	618.2	620.7	-2.4	-1.8	020	41.
122	12200.	619.2	621.6	-2.4	-1.8	020	40.
123	12300.	620.2	622.5	-2.3	-1.8	020	40.
124	12400.	621.2	623.4	-2.2	-1.8	020	40.
125	12500.	622.1	624.3	-2.2	-1.8	020	40.
126	12600.	623.1	625.2	-2.1	-1.8	020	40.
127	12700.	624.1	626.2	-2.1	-1.8	020	41.
128	12800.	625.1	627.1	-2.0	-1.8	020	41.
129	12900.	626.0	628.0	-2.0	-1.8	020	42.
130	13000.	627.0	628.9	-1.9	-1.8	020	42.
131	13100.	628.0	629.8	-1.8	-1.8	020	43.
132	13200.	629.0	630.7	-1.8	-1.8	020	43.
133	13300.	629.9	631.7	-1.7	-1.8	020	44.
134	13400.	630.9	632.6	-1.7	-1.8	020	44.
	13470.					SEC. 12688.000	
135	13500.	631.8	633.5	-1.6	-1.8	020	44.
136	13600.	632.6	634.2	-1.6	-1.8	020	45.
137	13700.	633.3	635.0	-1.7	-1.8	020	46.
138	13800.	633.9	635.7	-1.7	-1.8	020	46.
139	13900.	634.6	636.4	-1.8	-1.8	020	46.
140	14000.	635.2	637.1	-1.8	-1.8	020	46.
141	14100.	635.9	637.8	-1.9	-1.8	020	48.
142	14200.	636.6	638.5	-1.9	-1.8	020	47.
143	14300.	637.2	639.2	-2.0	-1.8	020	46.
144	14400.	637.9	639.9	-2.1	-1.8	020	48.
145	14500.	638.5	640.6	-2.1	-1.8	020	48.
146	14600.	639.2	641.4	-2.2	-1.8	020	48.
147	14700.	639.9	642.1	-2.2	-1.8	020	49.
148	14800.	640.5	642.8	-2.3	-1.8	020	49.
149	14900.	641.2	643.5	-2.3	-1.8	020	50.
150	15000.	641.8	644.2	-2.4	-1.8	020	50.
151	15100.	642.5	644.9	-2.4	-1.8	020	49.



69	6900.	588.5	588.2	-1.9	-1.4	015	99.
70	7000.	587.2	589.1	-1.9	-1.4	015	99.
71	7100.	588.1	590.0	-1.9	-1.4	015	99.
72	7200.	589.0	590.8	-1.9	-1.4	015	99.
73	7300.	589.8	591.7	-1.9	-1.4	015	99.
74	7400.	590.7	592.6	-1.9	-1.4	015	99.
75	7500.	591.6	593.5	-1.9	-1.5	015	99.
76	7600.	592.5	594.4	-1.9	-1.5	015	99.
	7673.						
					SEC.	6891.000	
77	7700.	593.3	595.2	-1.9	-1.5	015	99.
78	7800.	593.9	595.8	-2.0	-1.5	015	97.
79	7900.	594.2	596.3	-2.0	-1.5	015	97.
80	8000.	594.6	596.7	-2.1	-1.5	015	96.
81	8100.	595.0	597.1	-2.1	-1.5	015	95.
82	8200.	595.4	597.5	-2.1	-1.5	015	94.
83	8300.	595.7	597.9	-2.2	-1.5	015	93.
84	8400.	596.1	598.3	-2.2	-1.5	015	93.
85	8500.	596.5	598.7	-2.3	-1.5	015	92.
86	8600.	596.9	599.2	-2.3	-1.5	015	91.
87	8700.	597.2	599.6	-2.3	-1.5	015	90.
88	8800.	597.6	600.0	-2.4	-1.6	015	89.
89	8900.	598.0	600.4	-2.4	-1.6	015	89.
90	9000.	598.4	600.8	-2.5	-1.6	015	88.
	9073.						
					SEC.	9291.000	
91	9100.	598.8	601.2	-2.5	-1.6	015	87.
92	9200.	599.2	601.7	-2.5	-1.6	015	86.
93	9300.	599.6	602.1	-2.5	-1.6	015	86.
94	9400.	600.1	602.6	-2.5	-1.6	015	85.
95	9500.	600.5	603.0	-2.5	-1.6	015	84.
96	9600.	601.0	603.4	-2.5	-1.6	015	83.
97	9700.	601.4	603.9	-2.4	-1.6	015	84.
98	9800.	601.8	604.3	-2.4	-1.6	015	83.
99	9900.	602.3	604.7	-2.4	-1.7	015	82.
100	10000.	602.8	605.2	-2.4	-1.7	015	81.
101	10100.	603.2	605.6	-2.4	-1.7	015	80.
102	10200.	603.7	606.1	-2.4	-1.7	015	80.
103	10300.	604.1	606.5	-2.4	-1.7	015	80.
104	10400.	604.5	606.9	-2.4	-1.7	015	79.
105	10500.	605.0	607.4	-2.4	-1.7	015	78.
106	10600.	605.4	607.8	-2.4	-1.7	015	77.
107	10700.	605.9	608.2	-2.4	-1.7	015	77.
108	10800.	606.3	608.7	-2.3	-1.7	015	77.
109	10900.	606.8	609.1	-2.3	-1.7	015	76.
110	11000.	607.2	609.6	-2.3	-1.7	015	75.
111	11100.	607.7	610.0	-2.3	-1.7	015	75.
	11192.						
					SEC.	10410.000	
112	11200.	608.3	610.6	-2.3	-1.7	015	74.
	11217.						
	11242.				SEC.	10435.000	
	11243.				SEC.	10460.000	
					SEC.	10461.000	

111	11100.	607.7	610.0	-2.3	-1.7	015	75.
	11192.					SEC. 10410.000	
112	11200.	608.3	610.6	-2.3	-1.7	015	74.
	11217.					SEC. 10435.000	
	11242.					SEC. 10460.000	
	11243.					SEC. 10461.000	
	11261.					SEC. 10479.000	
	11262.					SEC. 10480.000	
	11277.					SEC. 10495.000	
	11292.					SEC. 10510.000	
113	11300.	610.9	613.7	-2.9	-1.7	015	73.
114	11400.	611.4	614.2	-2.8	-1.8	020	60.
115	11500.	612.4	615.2	-2.8	-1.8	020	61.
116	11600.	613.4	616.1	-2.7	-1.8	020	56.
117	11700.	614.3	617.0	-2.6	-1.8	020	51.
118	11800.	615.3	617.9	-2.6	-1.8	020	47.
119	11900.	616.3	618.8	-2.5	-1.8	020	43.
120	12000.	617.3	619.7	-2.5	-1.8	020	42.
121	12100.	618.2	620.7	-2.4	-1.8	020	41.
122	12200.	619.2	621.6	-2.4	-1.8	020	40.
123	12300.	620.2	622.5	-2.3	-1.8	020	40.
124	12400.	621.2	623.4	-2.2	-1.8	020	40.
125	12500.	622.1	624.3	-2.2	-1.8	020	40.
126	12600.	623.1	625.2	-2.1	-1.8	020	40.
127	12700.	624.1	626.2	-2.1	-1.8	020	41.
128	12800.	625.1	627.1	-2.0	-1.8	020	41.
129	12900.	626.0	628.0	-2.0	-1.8	020	42.
130	13000.	627.0	628.9	-1.9	-1.8	020	42.
131	13100.	628.0	629.8	-1.8	-1.8	020	43.
132	13200.	629.0	630.7	-1.8	-1.8	020	43.
133	13300.	629.9	631.7	-1.7	-1.8	020	44.
134	13400.	630.9	632.6	-1.7	-1.8	020	44.
	13470.					SEC. 12680.000	
135	13500.	631.8	633.5	-1.6	-1.8	020	44.
136	13600.	632.6	634.2	-1.6	-1.8	020	45.
137	13700.	633.3	635.0	-1.7	-1.8	020	46.
138	13800.	633.9	635.7	-1.7	-1.8	020	46.
139	13900.	634.6	636.4	-1.8	-1.8	020	46.
140	14000.	635.2	637.1	-1.8	-1.8	020	46.
141	14100.	635.9	637.8	-1.9	-1.8	020	48.
142	14200.	636.6	638.5	-1.9	-1.8	020	47.
143	14300.	637.2	639.2	-2.0	-1.8	020	46.
144	14400.	637.9	639.9	-2.1	-1.8	020	48.
145	14500.	638.5	640.6	-2.1	-1.8	020	48.
146	14600.	639.2	641.4	-2.2	-1.8	020	48.
147	14700.	639.9	642.1	-2.2	-1.8	020	49.
148	14800.	640.5	642.8	-2.3	-1.8	020	49.
149	14900.	641.2	643.5	-2.3	-1.8	020	50.
150	15000.	641.8	644.2	-2.4	-1.8	020	50.
151	15100.	642.5	644.9	-2.4	-1.8	020	49.

148	14800.	640.5	642.8	-2.3	-1.8	020	49.
149	14900.	641.2	643.5	-2.3	-1.8	020	50.
150	15000.	641.0	644.2	-2.4	-1.8	020	50.
151	15100.	642.5	644.9	-2.4	-1.8	020	49.
152	15200.	643.2	645.6	-2.5	-1.8	020	49.
	15220.					SEC.	14438.000
	15245.					SEC.	14463.000
	15270.					SEC.	14488.000
	15271.					SEC.	14489.000
	15294.					SEC.	14512.000
	15295.					SEC.	14513.000
153	15300.	644.9	647.6	-2.7	-1.9	020	48.
	15320.					SEC.	14530.000
	15345.					SEC.	14563.000
154	15400.	646.0	648.8	-2.7	-1.9	020	48.
155	15500.	646.2	648.9	-2.7	-1.9	020	48.
156	15600.	646.4	649.1	-2.6	-1.9	020	49.
157	15700.	646.6	649.2	-2.6	-1.9	020	48.
158	15800.	646.9	649.4	-2.5	-1.9	020	49.
159	15900.	647.1	649.6	-2.5	-1.9	020	48.
160	16000.	647.3	649.7	-2.4	-1.9	020	48.
161	16100.	647.5	649.9	-2.4	-1.9	020	48.
162	16200.	647.7	650.0	-2.3	-1.9	020	49.
163	16300.	647.9	650.2	-2.3	-1.9	020	49.
164	16400.	648.2	650.4	-2.2	-1.9	020	49.
165	16500.	648.4	650.5	-2.1	-1.9	020	50.
166	16600.	648.6	650.7	-2.1	-1.9	020	50.
167	16700.	648.8	650.9	-2.0	-1.9	020	50.
168	16800.	649.0	651.0	-2.0	-1.9	020	51.
169	16900.	649.3	651.2	-1.9	-1.9	020	51.
170	17000.	649.5	651.4	-1.9	-1.9	020	51.
171	17100.	649.7	651.5	-1.8	-1.9	020	51.
172	17200.	649.9	651.7	-1.8	-1.9	020	52.
173	17300.	650.1	651.8	-1.7	-1.9	020	52.
174	17400.	650.3	652.0	-1.7	-1.9	020	52.
175	17500.	650.6	652.2	-1.6	-1.9	020	53.
176	17600.	650.8	652.3	-1.6	-1.9	020	53.
177	17700.	651.0	652.5	-1.5	-1.9	020	53.
178	17800.	651.2	652.7	-1.4	-1.9	020	53.
179	17900.	651.4	652.8	-1.4	-1.9	020	54.
180	18000.	651.7	653.0	-1.3	-1.9	020	53.
	18070.					SEC.	17258.000

THIS REACH CAN BE SUBDIVIDED BY INC NO. TO MEET FIA REQUIREMENTS  
INPUT 200 WHERE N IS THE NUMBER OF REACHES AND THEN INPUT THE END  
OF EACH REACH BY INC NO. FOR EXAMPLED 202 102 190  
A NEGATIVE INC NO. WILL SUPPRESS INTERMEDIATE INC OUTPUT.



HEC2 RELEASE DATED NOV 76 (UPDATED FEB 1977)

ERROR CORR - 01

MODIFICATION - 50,51,52

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T1 DUHARTS CREEK  
 T2 GASTON CO. FIS JOB # 207022  
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INO	MINV	IDTR	STRT	METRIC	HVINS	Q	WSEL	FO
	-1.	4.	0.	0.	0.0	0.0	0.0	0.	570.160	0.0
J2	UPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	0.0	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	38.000	39.000	40.000	41.000	43.000	42.000	1.000	2.000	26.000	53.000
	54.000	25.000	50.000	0.0	200.000	0.0	0.0	0.0	0.0	0.0
NC	0.045	0.050	0.040	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	2410.000	3710.000	4210.000	5300.000	4210.000	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	1541.000	46.000	1176.000	1977.000	1541.000	1541.000	1541.000	0.0	0.0	0.0
GR	581.600	1000.000	578.300	1100.000	577.000	1176.000	573.300	1198.000	572.900	1200.000
GR	568.400	1229.000	566.700	1250.000	567.200	1275.000	566.400	1300.000	567.200	1325.000
GR	566.400	1350.000	567.000	1375.000	567.700	1400.000	565.400	1425.000	565.300	1450.000
GR	566.300	1475.000	567.000	1500.000	567.300	1525.000	568.200	1550.000	567.900	1575.000
GR	567.800	1600.000	568.000	1625.000	568.200	1650.000	568.000	1675.000	567.900	1700.000
GR	568.000	1725.000	568.200	1750.000	567.900	1775.000	568.000	1800.000	568.000	1825.000
GR	568.000	1850.000	573.100	1900.000	574.700	1935.000	575.700	1977.000	576.300	2000.000
GR	576.700	2100.000	576.000	2200.000	575.500	2238.000	566.500	2230.000	566.400	2263.000
GR	568.300	2263.000	566.900	2285.000	575.800	2285.000	575.300	2301.000	574.800	2335.000
GR	581.700	2341.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	1557.000	0.0	0.0	0.0	16.000	16.000	16.000	0.0	0.110	0.0
X1	1573.000	33.000	1343.000	1537.000	16.000	16.000	16.000	0.0	0.0	0.0
GR	582.000	1000.000	578.200	1100.000	577.300	1200.000	577.000	1300.000	574.400	1342.900
GR	574.400	1343.000	570.300	1366.400	567.400	1381.700	574.500	1381.700	574.600	1384.700
GR	567.500	1384.700	566.000	1400.000	566.500	1400.000	566.500	1400.000	566.500	1400.000

GR	567.800	1600.000	568.000	1625.000	568.200	1630.000	568.000	1630.000	568.000	1630.000	568.000	1825.000
GR	568.000	1725.000	568.200	1750.000	567.800	1775.000	568.000	1800.000	568.000	1825.000	568.000	1825.000
GR	568.000	1850.000	573.100	1900.000	574.700	1935.000	575.700	1977.000	576.300	2000.000	576.300	2000.000
GR	576.700	2100.000	576.600	2200.000	575.500	2238.000	576.500	2230.000	576.400	2263.000	576.400	2263.000
GR	568.300	2263.000	566.900	2285.000	575.800	2285.000	575.300	2301.000	574.800	2335.000	574.800	2335.000
GR	581.700	2341.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	1557.000	0.0	0.0	0.0	16.000	16.000	16.000	0.0	0.110	0.0
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X1	1573.000	33.000	1343.000	1537.000	16.000	16.000	16.000	0.0	0.0	0.0
GR	582.000	1000.000	578.200	1100.000	577.300	1200.000	577.000	1300.000	574.400	1342.900
GR	574.400	1343.000	570.300	1366.400	567.400	1381.700	574.500	1381.700	574.600	1384.700
GR	567.500	1384.700	566.900	1400.000	565.500	1440.000	565.400	1443.200	567.200	1495.200
GR	574.500	1495.200	574.500	1498.200	567.200	1498.200	567.400	1500.000	569.400	1519.700
GR	574.400	1537.000	574.400	1537.100	576.400	1600.000	576.500	1700.000	576.600	1800.000
GR	576.500	1900.000	576.500	2000.000	576.300	2100.000	576.000	2200.000	574.900	2300.000
GR	575.400	2400.000	575.200	2431.000	580.500	2440.000	0.0	0.0	0.0	0.0

X1	1574.000	0.0	0.0	0.0	1.000	1.000	1.000	0.0	0.0	0.0
BT	22.000	1000.000	582.000	0.0	1100.000	578.200	0.0	1200.000	577.300	0.0
BT	1300.000	577.000	0.0	1342.900	577.100	0.0	1343.000	577.100	574.400	1400.000
BT	577.300	574.600	1440.000	577.300	574.600	1500.000	577.200	574.500	1537.000	577.100
BT	574.400	1537.100	577.100	0.0	1600.000	576.400	0.0	1700.000	576.500	0.0
BT	1800.000	576.600	0.0	1900.000	576.500	0.0	2000.000	576.500	0.0	2100.000
BT	576.300	0.0	2200.000	576.000	0.0	2300.000	574.900	0.0	2400.000	575.400
BT	0.0	2431.000	575.200	0.0	2440.000	580.500	0.0	0.0	0.0	0.0

X1	1590.000	33.000	1343.000	1537.000	16.000	16.000	16.000	0.0	0.0	0.0
BT	22.000	1000.000	582.000	0.0	1100.000	578.200	0.0	1200.000	577.300	0.0
BT	1300.000	577.000	0.0	1342.900	577.100	0.0	1343.000	577.100	574.400	1400.000
BT	577.300	574.600	1440.000	577.300	574.600	1500.000	577.200	574.500	1537.000	577.100
BT	574.400	1537.100	577.100	0.0	1600.000	576.400	0.0	1700.000	576.500	0.0
BT	1800.000	576.600	0.0	1900.000	576.500	0.0	2000.000	576.500	0.0	2100.000
BT	576.300	0.0	2200.000	576.000	0.0	2300.000	574.900	0.0	2400.000	575.400
BT	0.0	2431.000	575.200	0.0	2440.000	580.500	0.0	0.0	0.0	0.0
GR	582.000	1000.000	578.200	1100.000	577.300	1200.000	577.000	1300.000	574.400	1342.900
GR	574.400	1343.000	570.300	1366.400	567.400	1381.700	574.500	1381.700	574.600	1384.700
GR	567.500	1384.700	566.900	1400.000	565.500	1440.000	565.400	1443.200	567.200	1495.200
GR	574.500	1495.200	574.500	1498.200	567.200	1498.200	567.400	1500.000	569.400	1519.700
GR	574.400	1537.000	574.400	1537.100	576.400	1600.000	576.500	1700.000	576.600	1800.000
GR	576.500	1900.000	576.500	2000.000	576.300	2100.000	576.000	2200.000	574.900	2300.000
GR	575.400	2400.000	575.200	2431.000	580.500	2440.000	0.0	0.0	0.0	0.0

X1	1591.000	0.0	0.0	0.0	1.000	1.000	1.000	0.0	0.0	0.0
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BT	1800.000	576.000	0.0	1900.000	576.000	0.0	2300.000	574.900	0.0	2400.000	575.400
BT	0.0	2431.000	575.200	0.0	2440.000	580.500	0.0	0.0	0.0	0.0	0.0
GR	582.000	1000.000	578.200	1100.000	577.300	1200.000	577.000	1300.000	574.400	1342.900	
GR	574.400	1343.000	570.300	1366.400	567.400	1381.700	574.500	1381.700	574.600	1384.700	
GR	567.500	1384.700	566.900	1400.000	565.500	1440.000	565.400	1443.200	567.200	1495.200	
GR	574.500	1495.200	574.500	1498.200	567.200	1498.200	567.400	1500.000	569.400	1519.700	
GR	574.400	1537.000	574.400	1537.100	576.400	1600.000	576.500	1700.000	576.600	1800.000	
GR	576.500	1900.000	576.500	2000.000	576.300	2100.000	576.000	2200.000	574.900	2300.000	
GR	575.400	2400.000	575.200	2431.000	580.500	2440.000	0.0	0.0	0.0	0.0	

X1	1531.000	0.0	0.0	0.0	1.000	1.000	1.000	0.0	0.0	0.0
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X1	1615.000	27.000	1127.000	1591.000	25.000	25.000	25.000	0.0	0.0	0.0
GR	585.900	1000.000	580.000	1100.000	577.000	1169.000	576.200	1187.000	568.400	1205.000
GR	568.100	1225.000	567.900	1250.000	568.300	1275.000	567.700	1300.000	567.100	1325.000
GR	566.700	1350.000	566.900	1375.000	566.300	1389.000	565.900	1400.000	565.300	1425.000
GR	565.800	1450.000	567.900	1475.000	568.300	1500.000	568.600	1525.000	568.700	1550.000
GR	568.700	1568.000	574.300	1591.000	575.900	1700.000	579.300	1744.000	579.700	1772.000
GR	582.200	1800.000	585.900	1834.000	0.0	0.0	0.0	0.0	0.0	0.0

X1	1641.000	0.0	0.0	0.0	25.000	25.000	25.000	0.0	0.0	0.0
HC	0.050	0.050	0.040	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	2290.000	25.000	1126.000	1238.000	639.000	639.000	639.000	0.0	0.0	0.0
GR	589.400	1000.000	579.800	1006.000	579.800	1014.000	579.600	1023.000	579.200	1025.000
GR	579.600	1025.500	579.000	1028.000	568.800	1046.000	568.500	1050.000	568.400	1100.000
GR	568.700	1150.000	569.500	1136.000	568.600	1189.000	564.200	1196.000	563.500	1200.000
GR	564.000	1211.000	565.400	1227.000	568.600	1236.000	570.400	1238.000	569.400	1300.000
GR	568.800	1350.000	579.600	1400.000	568.000	1436.000	569.500	1450.000	579.600	1500.000

X1	2290.000	0.0	0.0	0.0	10.000	10.000	10.000	0.0	0.0	0.0
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X1	2300.000	67.000	1031.000	1476.000	10.000	10.000	10.000	0.0	0.0	0.0
GR	580.400	1000.000	579.800	1007.000	579.900	1015.000	579.500	1024.000	579.300	1026.000
GR	579.700	1026.100	579.700	1026.500	576.500	1030.900	576.400	1031.000	572.900	1031.000
GR	570.400	1050.000	569.300	1058.500	573.000	1058.500	573.000	1061.500	569.300	1061.500
GR	567.900	1100.000	566.800	1130.800	573.000	1130.800	573.000	1133.800	566.800	1133.800
GR	566.200	1135.000	567.600	1150.000	570.200	1178.500	573.100	1178.500	573.100	1181.500
GR	570.200	1181.500	568.400	1187.000	564.200	1200.000	564.600	1202.500	573.100	1202.500
GR	573.100	1205.300	564.600	1205.500	571.100	1234.000	569.900	1250.000	569.900	1250.300
GR	573.000	1250.300	573.000	1253.800	569.900	1253.800	569.500	1290.500	573.000	1298.500
GR	573.000	1300.000	573.000	1301.500	569.500	1301.500	568.700	1347.300	573.000	1347.300
GR	573.000	1348.900	568.700	1348.800	568.700	1350.000	569.000	1370.300	573.000	1370.300

BT	1800.000	378.000	0.0	1900.000	378.000	0.0	2000.000	378.000	0.0	2400.000	575.400
BT	576.300	0.0	2200.000	576.000	0.0	2300.000	574.900	0.0	2400.000	575.400	
BT	0.0	2431.000	575.200	0.0	2440.000	580.500	0.0	0.0	0.0	0.0	
GR	582.000	1000.000	570.200	1100.000	577.300	1200.000	577.000	1300.000	574.400	1342.900	
GR	574.400	1343.000	570.300	1366.400	567.400	1381.700	574.500	1381.700	574.600	1384.700	
GR	567.500	1384.700	566.900	1400.000	565.500	1440.000	565.400	1443.200	567.200	1495.200	
GR	574.500	1495.200	574.500	1498.200	567.200	1498.200	567.400	1500.000	569.400	1519.700	
GR	574.400	1537.000	574.400	1537.100	576.400	1600.000	576.500	1700.000	576.600	1800.000	
GR	576.500	1900.000	576.500	2000.000	576.300	2100.000	576.000	2200.000	574.900	2300.000	
GR	575.400	2400.000	575.200	2431.000	580.500	2440.000	0.0	0.0	0.0	0.0	

X1	1591.000	0.0	0.0	0.0	1.000	1.000	1.000	0.0	0.0	0.0
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X1	1615.000	27.000	1187.000	1591.000	25.000	25.000	25.000	0.0	0.0	0.0
GR	585.900	1000.000	580.000	1100.000	577.000	1169.000	576.200	1187.000	568.400	1205.000
GR	568.100	1225.000	567.900	1250.000	568.300	1275.000	567.700	1300.000	567.100	1325.000
GR	566.700	1350.000	566.900	1375.000	566.300	1389.000	565.900	1400.000	565.300	1425.000
GR	565.800	1450.000	567.900	1475.000	568.300	1500.000	568.600	1525.000	568.700	1550.000
GR	568.700	1568.000	574.300	1591.000	575.900	1700.000	579.300	1744.000	579.700	1772.000
GR	582.200	1800.000	565.900	1834.000	0.0	0.0	0.0	0.0	0.0	0.0

X1	1641.000	0.0	0.0	0.0	25.000	25.000	25.000	0.0	0.0	0.0
HC	0.050	0.050	0.040	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	2290.000	25.000	1186.000	1238.000	639.000	639.000	639.000	0.0	0.0	0.0
GR	580.400	1000.000	579.800	1006.000	579.800	1014.000	579.600	1023.000	579.200	1025.000
GR	579.600	1025.000	579.000	1028.000	568.800	1046.000	568.500	1050.000	568.400	1100.000
GR	568.700	1150.000	569.500	1136.000	568.600	1189.000	564.200	1136.000	563.500	1200.000
GR	564.000	1211.000	565.400	1227.000	568.600	1236.000	570.400	1238.000	569.400	1300.000
GR	568.800	1350.000	569.600	1400.000	568.000	1436.000	569.500	1450.000	579.600	1500.000

X1	2290.000	0.0	0.0	0.0	10.000	10.000	10.000	0.0	0.0	0.0
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X1	2300.000	67.000	1031.000	1476.000	10.000	10.000	10.000	0.0	0.0	0.0
GR	580.400	1000.000	579.800	1007.000	579.700	1015.000	579.500	1024.000	579.300	1026.000
GR	579.700	1026.100	579.700	1026.500	576.500	1030.900	576.400	1031.000	572.900	1031.000
GR	570.400	1050.000	569.300	1058.500	573.000	1058.500	573.000	1061.500	569.300	1061.500
GP	567.900	1100.000	566.800	1130.800	573.000	1130.800	573.000	1133.800	566.800	1133.800
GR	566.200	1135.000	567.600	1150.000	570.200	1178.500	573.100	1178.500	573.100	1181.500
GR	570.200	1181.500	568.400	1187.000	564.200	1200.000	564.600	1202.500	573.100	1202.500
GR	573.100	1205.500	564.600	1205.500	571.100	1234.000	569.900	1250.000	569.900	1250.300
GR	573.000	1250.300	573.000	1253.800	569.900	1253.800	569.500	1290.500	573.000	1298.500
GP	573.000	1300.000	573.000	1301.500	569.500	1301.500	568.700	1347.300	573.000	1347.300
GR	573.000	1348.800	568.700	1348.800	568.700	1350.000	569.000	1370.300	573.000	1370.300



GR	573,100	1205,500	560,000	1187,000	564,200	1200,000	573,100	1178,500	573,100	1181,500
GR	573,000	1250,300	564,600	1205,500	571,100	1234,000	564,600	1202,500	573,100	1202,500
GR	573,000	1300,000	573,000	1253,000	569,900	1253,000	569,900	1250,000	569,900	1250,300
GR	573,000	1348,000	573,000	1301,500	569,500	1301,500	568,700	1290,500	573,000	1298,500
GR	573,000	1373,000	568,700	1340,800	568,700	1350,000	569,000	1347,300	573,000	1347,500
GR	572,900	1421,500	569,000	1373,800	569,800	1400,000	569,600	1370,300	573,000	1370,300
GR	572,700	1460,800	569,600	1421,500	569,600	1450,000	569,600	1418,500	572,900	1418,500
GR	576,100	1493,000	581,700	1468,800	572,700	1476,000	576,200	1467,300	576,100	1467,300
				1510,000	0.0	0.0	0.0	1476,000	0.0	1476,100
										0.0

X1	2301,000	0.0	0.0	0.0	1,000	1,000	1,000	0.0	0.0	0.0
BT	22,000	1000,000	580,400	0.0	1007,000	579,800	0.0	1015,000	579,900	0.0
BT	1024,000	579,500	0.0	1026,000	579,300	0.0	1026,100	579,700	0.0	1026,500
BT	579,700	0.0	1630,900	576,400	0.0	1031,000	576,400	572,900	1050,000	576,500
BT	573,000	1100,000	576,500	573,000	1150,000	576,500	573,000	1200,000	576,600	573,100
BT	1250,000	576,500	573,000	1300,000	576,500	573,000	1350,000	576,500	573,000	1400,000
BT	576,500	573,000	1450,000	576,300	572,800	1476,000	576,200	572,700	1476,100	576,200
BT	0.0	1493,000	576,100	0.0	1510,000	581,700	0.0	0.0	0.0	0.0

X1	2302,000	67,000	1031,000	1476,000	1,000	1,000	1,000	0.0	0.0	0.0
BT	22,000	1000,000	580,400	0.0	1007,000	579,800	0.0	1015,000	579,900	0.0
BT	1024,000	579,500	0.0	1026,000	579,300	0.0	1026,100	579,700	0.0	1026,500
BT	579,700	0.0	1030,900	576,400	0.0	1031,000	576,400	572,900	1050,000	576,500
BT	573,000	1100,000	576,500	573,000	1150,000	576,500	573,000	1200,000	576,600	573,100
BT	1250,000	576,500	573,000	1300,000	576,500	573,000	1350,000	576,500	573,000	1400,000
BT	576,500	573,000	1450,000	576,300	572,800	1476,000	576,200	572,700	1476,100	576,200
BT	0.0	1493,000	576,100	0.0	1510,000	581,700	0.0	0.0	0.0	0.0

GR	580,400	1000,000	579,000	1007,000	579,900	1015,000	579,500	1024,000	579,300	1026,000
GR	579,700	1026,100	576,500	1026,500	576,500	1030,900	576,400	1031,000	572,900	1031,000
GR	570,400	1050,000	569,300	1058,500	573,000	1058,500	573,000	1061,500	569,300	1061,500
GR	567,900	1100,000	566,800	1130,800	573,000	1130,800	573,000	1133,800	566,800	1133,800
GR	566,200	1135,000	567,600	1150,000	570,200	1178,500	573,100	1178,500	573,100	1181,500
GR	570,200	1181,500	568,400	1187,000	564,200	1200,000	564,600	1202,500	573,100	1202,500
GP	573,100	1205,500	564,600	1205,500	571,100	1234,000	569,900	1250,000	569,900	1250,300
GR	573,000	1250,300	573,000	1253,800	569,900	1253,800	569,500	1298,500	573,000	1298,500
GR	573,000	1300,000	573,000	1301,500	569,500	1301,500	568,700	1347,300	573,000	1347,500
GR	573,000	1348,000	568,700	1348,800	568,700	1350,000	569,000	1370,300	573,000	1370,300
GR	573,000	1373,800	569,000	1373,800	569,800	1400,000	569,600	1418,500	572,900	1418,500
GR	572,900	1421,500	569,600	1421,500	569,600	1450,000	569,600	1467,300	572,700	1467,300
GR	572,700	1468,800	569,600	1468,800	572,700	1476,000	576,200	1476,000	576,100	1476,100
GP	576,100	1493,000	581,700	1510,000	0.0	0.0	0.0	0.0	0.0	0.0

X1	2303,000	0.0	0.0	0.0	1,000	1,000	1,000	0.0	0.0	0.0
X1	2313,000	25,000	1186,000	1230,000	10,000	10,000	10,000	0.0	0.070	0.0
GR	580,400	1000,000	579,800	1006,000	579,800	1014,000	579,800	1014,000	579,800	1014,000
GP	579,600	1025,500	579,600	1025,500	579,600	1025,500	579,600	1025,500	579,600	1025,500









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 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977  
 ERROR CORR - 01  
 MODIFICATION - 50,51,52  
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NOTE- ASTERISK (\*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

100 YEAR FLOOD WATER SUR

SUMMARY PRINTOUT

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
1541.000	1541.00	0.0	0.0	4210.00	565.30	570.16	0.0	2.25	1217.66	2205.00	1896.60	0.0
1541.000	1541.00	0.0	0.0	4210.00	565.30	571.16	0.0	1.75	1211.21	1880.98	2409.16	1.00
1557.000	16.00	0.0	0.0	4210.00	565.41	570.17	0.0	2.33	1218.26	2205.00	1830.82	0.0
1557.000	16.00	0.0	0.0	4210.00	565.41	571.16	0.0	1.80	1211.88	1879.96	2339.76	0.99
* 1573.000	16.00	0.0	0.0	4210.00	565.40	569.81	569.81	9.83	1369.00	1521.11	428.37	0.0
1573.000	16.00	0.0	0.0	4210.00	565.40	570.56	0.0	7.78	1364.90	1523.72	541.27	0.75
1574.000	1.00	574.90	574.60	4210.00	565.40	570.18	0.0	8.70	1367.01	1522.41	484.05	0.0
1574.000	1.00	574.90	574.60	4210.00	565.40	570.57	0.0	7.77	1364.87	1523.74	542.10	0.39
1590.000	16.00	574.90	574.60	4210.00	565.40	570.65	0.0	7.59	1364.39	1524.03	554.93	0.0
1590.000	16.00	574.90	574.60	4210.00	565.40	570.85	0.0	7.18	1363.23	1524.73	586.24	0.20
1591.000	1.00	0.0	0.0	4210.00	565.40	570.67	0.0	7.56	1364.32	1524.07	556.66	0.0
1591.000	1.00	0.0	0.0	4210.00	565.40	570.86	0.0	7.18	1363.22	1524.74	586.49	0.19
1615.000	25.00	0.0	0.0	4210.00	565.30	571.56	0.0	2.74	1197.69	1579.79	1537.25	0.0
1615.000	25.00	0.0	0.0	4210.00	565.30	571.66	0.0	2.67	1197.46	1580.18	1573.92	0.10
1641.000	25.00	0.0	0.0	4210.00	565.30	571.59	0.0	2.67	1197.64	1579.86	1543.91	0.0
1641.000	25.00	0.0	0.0	4210.00	565.30	571.60	0.0	2.67	1197.44	1580.22	1577.92	0.09
2280.000	639.00	0.0	0.0	4210.00	563.50	572.20	0.0	4.56	1040.00	1463.37	1491.43	0.0
2280.000	639.00	0.0	0.0	4210.00	563.50	572.29	0.0	6.30	1103.07	1365.36	1003.48	0.09
2290.000	10.00	0.0	0.0	4210.00	563.50	572.22	0.0	4.54	1039.98	1463.42	1496.00	0.0
2290.000	10.00	0.0	0.0	4210.00	563.50	572.32	0.0	6.26	1103.05	1365.38	1008.97	0.11

1641.000	25.00	0.0	0.0	4210.00	565.30	571.59	0.0	2.73	1197.64	1579.86	1543.91	0.0
1641.000	25.00	0.0	0.0	4210.00	565.30	571.68	0.0	2.67	1197.44	1580.22	1577.92	0.09
2280.000	639.00	0.0	0.0	4210.00	563.50	572.20	0.0	4.56	1040.00 <sup>1200</sup>	1463.37	1491.43	0.0
2280.000	639.00	0.0	0.0	4210.00	563.50	572.29	0.0	6.30	1103.07	1365.36	1003.48	0.09
2290.000	10.00	0.0	0.0	4210.00	563.50	572.22	0.0	4.54	1039.98	1463.42	1496.00	0.0
2290.000	10.00	0.0	0.0	4210.00	563.50	572.32	0.0	6.26	1103.05	1365.38	1008.97	0.11
2300.000	10.00	0.0	0.0	4210.00	564.20	572.26	0.0	3.10	1035.90	1474.97	1359.78	0.0
2300.000	10.00	0.0	0.0	4210.00	564.20	572.64	0.0	2.77	1033.00	1475.85	1517.64	0.38
2301.000	1.00	576.10	573.10	4210.00	564.20	572.26	0.0	3.09	1035.89	1474.97	1360.62	0.0
2301.000	1.00	576.10	573.10	4210.00	564.20	572.64	0.0	2.70	1033.04	1475.84	1515.26	0.38
2302.000	1.00	576.10	573.10	4210.00	564.20	572.26	0.0	3.09	1035.87	1474.98	1361.52	0.0
2302.000	1.00	576.10	573.10	4210.00	564.20	572.64	0.0	2.77	1032.98	1475.86	1518.69	0.38

SECNO	XLCH	ELTRU	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
2303.000	1.00	0.0	0.0	4210.00	564.20	572.26	0.0	3.09	1035.86	1474.98	1362.22	0.0
2303.000	1.00	0.0	0.0	4210.00	564.20	572.64	0.0	2.77	1032.98	1475.86	1518.51	0.38
2313.000	10.00	0.0	0.0	4210.00	563.57	572.26	0.0	4.58	1040.02	1463.30	1485.57	0.0
2313.000	10.00	0.0	0.0	4210.00	563.57	572.48	0.0	6.11	1103.26	1365.06	1032.83	0.22
2323.000	10.00	0.0	0.0	4210.00	563.50	572.28	0.0	4.46	1039.87	1463.73	1521.75	0.0
2323.000	10.00	0.0	0.0	4210.00	563.50	572.54	0.0	5.87	1102.40	1366.41	1073.34	0.26
3190.000	3190.00	0.0	0.0	4210.00	567.60	574.83	0.0	2.87	55.00	513.42	2070.63	0.0
3190.000	3190.00	0.0	0.0	4210.00	567.60	575.80	0.0	3.19	146.13	466.57	1797.49	0.96
4190.000	1000.00	0.0	0.0	4210.00	564.20	575.37	0.0	4.73	1046.79	1162.65	892.25	0.0
4190.000	1000.00	0.0	0.0	4210.00	564.20	576.31	0.0	4.24	1049.00	1160.00	994.00	0.94
4215.000	25.00	0.0	0.0	4210.00	564.20	575.40	0.0	4.72	1046.54	1162.68	894.52	0.0
4215.000	25.00	0.0	0.0	4210.00	564.20	576.33	0.0	4.23	1049.00	1160.00	996.02	0.94
4240.000	25.00	0.0	0.0	4210.00	564.30	575.42	0.0	5.50	1039.40	1154.59	883.58	0.0
4240.000	25.00	0.0	0.0	4210.00	564.30	576.27	0.0	5.74	1061.57	1140.54	832.11	0.85

2323.000	10.00	0.0	0.0	4210.00	563.50	572.54	0.0	5.87	1102.40	1366.41	1073.30	0.25
3190.000	3190.00	0.0	0.0	4210.00	567.60	574.83	0.0	2.87	55.00 <sup>25</sup>	513.42	2070.63	0.0
3190.000	3190.00	0.0	0.0	4210.00	567.60	575.80	0.0	3.19	146.13	466.57	1797.49	0.96
4190.000	1000.00	0.0	0.0	4210.00	564.20	575.37	0.0	4.73	1046.79 <sup>100</sup>	1162.65	892.25	0.0
4190.000	1000.00	0.0	0.0	4210.00	564.20	576.31	0.0	4.24	1049.00	1160.00	994.00	0.94
4215.000	25.00	0.0	0.0	4210.00	564.20	575.40	0.0	4.72	1046.54	1162.68	894.52	0.0
4215.000	25.00	0.0	0.0	4210.00	564.20	576.33	0.0	4.23	1049.00	1160.00	996.02	0.94
4240.000	25.00	0.0	0.0	4210.00	564.30	575.42	0.0	5.50	1039.40	1154.59	883.58	0.0
4240.000	25.00	0.0	0.0	4210.00	564.30	576.27	0.0	5.74	1061.57	1140.54	832.11	0.85
4290.000	50.00	570.20	564.70	4210.00	564.30	577.12	0.0	4.47	1023.31	1156.77	1098.36	0.0
4290.000	50.00	999999.00	0.0	4210.00	564.30	577.97	0.0	4.57	1057.21	1140.21	1002.64	0.85
4315.000	25.00	0.0	0.0	4210.00	564.40	577.01	0.0	5.23	1031.59	1164.50	823.79	0.0
4315.000	25.00	0.0	0.0	4210.00	564.40	577.95	0.0	4.66	1049.00	1160.00	903.65	0.94
4340.000	25.00	0.0	0.0	4210.00	564.40	577.05	0.0	5.20	1031.54 <sup>117</sup>	1164.55	828.50	0.0
4340.000	25.00	0.0	0.0	4210.00	564.40	577.98	0.0	4.64	1049.00	1160.00	906.42	0.92
4900.000	560.00	0.0	0.0	3810.00	567.40	577.73	0.0	9.19	22.56 <sup>54</sup>	103.45	450.38	0.0
4900.000	560.00	0.0	0.0	3810.00	567.40	578.44	0.0	8.31	22.50	103.50	507.19	0.70
* 6891.000	1991.00	0.0	0.0	3810.00	588.20	595.52	595.52	13.36	20.42 <sup>53</sup>	89.72	327.95	0.0
* 6891.000	1991.00	0.0	0.0	3810.00	588.20	595.52	595.52	13.35	20.41	89.70	328.32	0.01
8291.000	1400.00	0.0	0.0	3810.00	587.40	601.34	0.0	5.87	1004.63 <sup>124</sup>	1128.94	815.60	0.0
A 8291.000	1400.00	0.0	0.0	3810.00	587.40	601.66	0.0	6.53	1022.46	1086.45	643.73	0.32
* B 10410.000	2119.00	0.0	0.0	3810.00	602.70	610.62	610.62	14.10	1065.67 <sup>1040</sup>	1113.53	271.59	0.0
* 10410.000	2119.00	0.0	0.0	3810.00	602.70	610.62	610.62	14.12	1065.72	1113.50	271.30	-0.01
10435.000	25.00	0.0	0.0	3810.00	602.90	611.82	0.0	12.10	1060.74	1114.67	322.17	0.0
10435.000	25.00	0.0	0.0	3810.00	602.90	611.83	0.0	12.06	1060.60	1114.69	323.30	0.02
10460.000	25.00	0.0	0.0	3810.00	603.10	613.11	0.0	9.23	1110.55	1195.00	412.82	0.0
10460.000	25.00	0.0	0.0	3810.00	603.10	613.11	0.0	9.25	1110.60	1195.00	412.08	-0.01
10461.000	1.00	618.20	616.30	3810.00	603.10	613.14	0.0	9.19	1110.43	1195.01	414.43	0.0
10461.000	1.00	618.20	616.30	3810.00	603.10	613.13	0.0	9.20	1110.47	1195.00	413.93	-0.00
10479.000	18.00	618.20	616.30	3810.00	603.10	613.56	0.0	8.45	1107.82	1195.09	450.94	0.0
10479.000	18.00	618.20	616.30	3810.00	603.10	613.56	0.0	8.44	1107.78	1195.00	451.43	0.00
10480.000	1.00	0.0	0.0	3810.00	603.10	613.57	0.0	8.44	1107.77	1195.09	451.66	0.0
10480.000	1.00	0.0	0.0	3810.00	603.10	613.57	0.0	8.44	1107.77	1195.00	451.56	-0.00



8291.000	1400.00	0.0	0.0	3810.00	587.40	601.34	0.0	5.87	1004.65	1128.94	615.60	0.0
8291.000	1400.00	0.0	0.0	3810.00	587.40	601.66	0.0	6.53	1022.46	1086.45	643.73	0.32
* 10410.000	2119.00	0.0	0.0	3810.00	602.70	610.62	610.62	14.10	1065.67	1113.53	271.59	0.0
* 10410.000	2119.00	0.0	0.0	3810.00	602.70	610.62	610.62	14.12	1065.72	1113.50	271.30	-0.01
10435.000	25.00	0.0	0.0	3810.00	602.90	611.82	0.0	12.10	1060.74	1114.67	322.17	0.0
10435.000	25.00	0.0	0.0	3810.00	602.90	611.83	0.0	12.06	1060.80	1114.69	323.30	0.02
10460.000	25.00	0.0	0.0	3810.00	603.10	613.11	0.0	9.23	1110.55	1195.00	412.02	0.0
10460.000	25.00	0.0	0.0	3810.00	603.10	613.11	0.0	9.25	1110.60	1195.00	412.08	-0.01
10461.000	1.00	618.20	616.30	3810.00	603.10	613.14	0.0	9.19	1110.43	1195.01	414.43	0.0
10461.000	1.00	618.20	616.30	3810.00	603.10	613.13	0.0	9.20	1110.47	1195.00	413.93	-0.00
10479.000	18.00	618.20	616.30	3810.00	603.10	613.56	0.0	8.45	1107.82	1195.09	450.94	0.0
10479.000	18.00	618.20	616.30	3810.00	603.10	613.56	0.0	8.44	1107.78	1195.00	451.43	0.00
10480.000	1.00	0.0	0.0	3810.00	603.10	613.57	0.0	8.44	1107.77	1195.09	451.66	0.0
10480.000	1.00	0.0	0.0	3810.00	603.10	613.57	0.0	8.44	1107.77	1195.00	451.56	-0.00

SECNO	XLCH	ELTRD	ELLC	0	ELMIN	CWSEL	CRWS	VCH	SSTA	ENOST	AREA	DIFWSP
10495.000	15.00	0.0	0.0	3810.00	603.10	613.50	0.0	10.03	1108.64	1181.62	443.48	0.0
10495.000	15.00	0.0	0.0	3810.00	603.10	613.50	0.0	10.03	1108.63	1181.60	443.57	0.00
10510.000	15.00	0.0	0.0	3810.00	603.10	613.71	0.0	9.72	1108.37	1185.43	459.25	0.0
10510.000	15.00	0.0	0.0	3810.00	603.10	613.71	0.0	9.72	1108.40	1185.40	459.17	-0.00
12688.000	2178.00	0.0	0.0	3810.00	625.10	633.68	0.0	11.92	1050.98	1131.01	386.97	0.0
12688.000	2178.00	0.0	0.0	3810.00	625.10	633.68	0.0	11.92	1051.00	1131.00	387.29	0.01

SUMMARY OF ERRORS

CAUTION SECNO= 1573.000 PROFILE= 1 CRITICAL DEPTH ASSUMED  
 CAUTION SECNO= 1573.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY  
 CAUTION SECNO= 1573.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 6891.000 PROFILE= 1 CRITICAL DEPTH ASSUMED  
 CAUTION SECNO= 6891.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY

Part 1 of 2

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

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		DIFFERENCE
	WIDTH (FT)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	
A - 1541.000	670.	2409.	1.7	571.2	570.2	1.0
1557.000	660.	2340.	1.8	571.2	570.2	1.0
1573.000	153.	541.	7.8	570.6	569.8	0.8
1574.000	153.	542.	7.8	570.6	570.2	0.4
1590.000	156.	586.	7.2	570.9	570.7	0.2
1591.000	156.	586.	7.2	570.9	570.7	0.2
1615.000	393.	1574.	2.7	571.7	571.6	0.1
1641.000	393.	1578.	2.7	571.7	571.6	0.1
2280.000	262.	1003.	4.2	572.3	572.2	0.1
2290.000	262.	1009.	4.2	572.3	572.2	0.1
2300.000	415.	1518.	2.8	572.7	572.3	0.4
2301.000	415.	1515.	2.8	572.7	572.3	0.4
2302.000	415.	1519.	2.8	572.7	572.3	0.4
2303.000	415.	1519.	2.8	572.7	572.3	0.4
2313.000	262.	1033.	4.1	572.5	572.3	0.2
2323.000	264.	1073.	3.9	572.6	572.3	0.3
3190.000	320.	1797.	2.3	575.8	574.8	1.0
4190.000	111.	994.	4.2	576.3	575.4	0.9
4215.000	111.	996.	4.2	576.3	575.4	0.9
4240.000	79.	832.	5.1	576.3	575.4	0.9
4290.000	83.	1003.	4.2	578.0	577.1	0.9
4315.000	111.	904.	4.7	577.9	577.0	0.9
4340.000	111.	906.	4.6	578.0	577.1	0.9
4900.000	81.	507.	7.5	578.4	577.7	0.7
6891.000	69.	328.	11.6	595.5	595.5	0.0
8291.000 A	64.	644.	5.9	601.6	601.3	0.3
10410.000 B	48.	271.	14.0	610.6	610.6	0.0
10435.000	54.	323.	11.8	611.8	611.8	0.0
10460.000	82.	412.	9.2	613.1	613.1	0.0
10461.000	83.	414.	9.2	613.1	613.1	0.0
10479.000	85.	451.	8.4	613.6	613.6	0.0
10480.000	85.	452.	8.4	613.6	613.6	0.0
10495.000	73.	444.	8.6	613.5	613.5	0.0
10510.000 C	77.	459.	8.3	613.7	613.7	0.0
12688.000 D	80.	387.	9.8	633.7	633.7	0.0

Cramerton Corporation - 10/12/00

*(Handwritten notes and scribbles)*



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 HEC2 RELEASE DATED NOV 75, UPDATED FEB 1977  
 ERROR CORR - 01  
 MODIFICATION - 50,51,52  
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T1 DUHARTS CREEK  
 T2 GASTON CO. FIS JOB # 207022  
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	EQ
	-1.	4.	0.	0.	0.0	0.0	0.0	0.	633.680	0.0
J2	NPROF	IPLOT	PREVS	XSECV	XSECH	FN	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									
	39.000	39.000	40.000	41.000	43.000	42.000	1.000	2.000	26.000	53.000
	54.000	25.000	30.000	0.0	200.000	0.0	0.0	0.0	0.0	0.0
NC	0.000	0.000	0.000	0.100	0.300	0.0	0.0	0.0	0.0	0.0
DT	5.000	2150.000	3350.000	3810.000	4840.000	3810.000	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	0.0	7.100	1051.000	1131.000	0.0
X1	12688.000	17.000	1074.000	1115.000	2178.000	2178.000	2178.000	2178.000	0.0	0.0
GR	644.800	1000.000	640.000	1022.000	637.900	1035.000	634.400	1039.000	636.900	1043.000
GR	635.800	1046.000	631.000	1054.000	630.700	1064.000	629.200	1074.000	626.500	1077.000
GR	625.300	1082.000	625.900	1091.000	625.100	1094.000	626.500	1101.000	629.800	1115.000
GR	630.900	1122.000	644.200	1165.000	0.0	0.0	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	0.0	7.100	1044.500	1176.500	0.0
Y1	14438.000	15.000	1088.000	1128.000	1750.000	1750.000	1750.000	1750.000	0.0	0.0
GR	650.000	1000.000	648.000	1036.000	641.800	1064.000	641.600	1088.000	637.800	1089.000
				1101.000	630.000	1110.000	635.000	1114.000	636.000	1120.000





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 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977  
 ERROR CORR - 01  
 MODIFICATION - 50,51,52  
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NOTE- ASTERISK (\*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

100 YEAR FLOOD WATER SUR

SUMMARY PRINTOUT

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
12688.000	2179.00	0.0	0.0	3810.00	625.10	633.68	0.0	11.94	1050.99	1130.99	386.48	0.0
12688.000	2178.00	0.0	0.0	3810.00	625.10	633.68	0.0	11.94	1051.00	1130.99	386.48	0.0
14438.000	1750.00	0.0	0.0	3810.00	634.80	646.13	0.0	7.89	1044.44	1176.57	664.39	0.0
14438.000	1750.00	0.0	0.0	3810.00	634.80	646.13	0.0	7.89	1044.50	1176.50	664.40	-0.00
14463.000	25.00	0.0	0.0	3810.00	636.45	645.59	0.0	11.22	1054.33	1147.54	413.36	0.0
14463.000	25.00	0.0	0.0	3810.00	636.45	645.59	0.0	11.22	1054.40	1147.40	413.34	-0.00
* 14488.000	25.00	0.0	0.0	3810.00	638.10	645.52	645.52	13.06	1153.86	1211.10	291.76	0.0
* 14488.000	25.00	0.0	0.0	3810.00	638.10	645.52	645.52	13.06	1153.86	1211.10	291.74	-0.00
14489.000	1.00	654.10	652.60	3810.00	638.10	646.18	0.0	11.56	1150.94	1211.49	329.51	0.0
14489.000	1.00	654.10	652.60	3810.00	638.10	646.17	0.0	11.57	1150.95	1211.48	329.27	-0.00
14512.000	23.30	654.10	652.60	3810.00	638.10	647.50	0.0	9.19	1146.20	1217.84	414.37	0.0
14512.000	23.30	654.10	652.60	3810.00	638.10	647.50	0.0	9.21	1146.24	1217.79	413.71	-0.00
14513.000	1.00	0.0	0.0	3810.00	638.10	647.53	0.0	9.16	1146.12	1217.95	416.02	0.0
14513.000	1.00	0.0	0.0	3810.00	638.10	647.53	0.0	9.17	1146.14	1217.93	415.64	-0.00
14538.000	25.00	0.0	0.0	3810.00	636.80	648.18	0.0	8.45	1043.52	1177.96	613.36	0.0
14538.000	25.00	0.0	0.0	3810.00	636.80	648.18	0.0	8.44	1043.50	1177.97	613.87	0.00
14563.000	25.00	0.0	0.0	3810.00	635.50	648.73	0.0	6.16	1030.28	1188.59	888.43	0.0
14563.000	25.00	0.0	0.0	3810.00	635.50	648.73	0.0	6.16	1030.30	1188.60	888.75	0.00

				3810.00	634.00	646.13	0.0	11.74	1051.00	1150.99	506.40	0.0
14438.000	1750.00	0.0	0.0	3810.00	634.00	646.13	0.0	7.89	1044.44	1176.57	664.39	0.0
14438.000	1750.00	0.0	0.0	3810.00	634.00	646.13	0.0	7.89	1044.50	1176.50	664.40	-0.00
14463.000	25.00	0.0	0.0	3810.00	636.45	645.59	0.0	11.22	1054.33	1147.54	413.36	0.0
14463.000	25.00	0.0	0.0	3810.00	636.45	645.59	0.0	11.22	1054.40	1147.40	413.34	-0.00
* 14488.000	25.00	0.0	0.0	3810.00	638.10	645.52	645.52	13.06	1153.86	1211.10	291.76	0.0
* 14488.000	25.00	0.0	0.0	3810.00	638.10	645.52	645.52	13.06	1153.86	1211.10	291.74	-0.00
14489.000	1.00	654.10	652.60	3810.00	638.10	646.18	0.0	11.56	1150.94	1211.49	329.51	0.0
14489.000	1.00	654.10	652.60	3810.00	638.10	646.17	0.0	11.57	1150.95	1211.48	329.27	-0.00
14512.000	23.30	654.10	652.60	3810.00	638.10	647.50	0.0	9.19	1146.20	1217.84	414.37	0.0
14512.000	23.30	654.10	652.60	3810.00	638.10	647.50	0.0	9.21	1146.24	1217.79	413.71	-0.00
14513.000	1.00	0.0	0.0	3810.00	638.10	647.53	0.0	9.16	1146.12	1217.95	416.02	0.0
14513.000	1.00	0.0	0.0	3810.00	638.10	647.53	0.0	9.17	1146.14	1217.93	415.64	-0.00
14538.000	25.00	0.0	0.0	3810.00	636.80	648.18	0.0	8.45	1043.52	1177.96	613.36	0.0
14538.000	25.00	0.0	0.0	3810.00	636.80	648.18	0.0	8.44	1043.50	1177.97	613.87	0.00
14563.000	25.00	0.0	0.0	3810.00	635.50	648.73	0.0	6.16	1030.28	1188.59	888.43	0.0
14563.000	25.00	0.0	0.0	3810.00	635.50	648.73	0.0	6.16	1030.30	1188.60	888.75	0.00
17288.000	2725.00	0.0	0.0	3580.00	642.80	653.19	0.0	4.27	1145.25	1671.46	1524.41	0.0
G 17288.000	2725.00	0.0	0.0	3580.00	642.80	653.74	0.0	5.25	1236.08	1501.10	1075.64	0.55

SUMMARY OF ERRORS

- CAUTION SECNO=14488.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
- CAUTION SECNO=14488.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY
- CAUTION SECNO=14488.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
- CAUTION SECNO=14488.000 PROFILE= 2 MINIMUM SPECIFIC ENERGY

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

----- FLOODWAY ----- WATER SURFACE ELEVATION



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

*Part 2 of 2*

STATION	WIDTH (FT)	FLOODWAY SECTION AREA	MEAN VELOCITY	WATER SURFACE ELEVATION WITH WITHOUT DIFFERENCE FLOODWAY FLOODWAY		
12688.000	80.	386.	9.9	633.7	633.7	0.0
E- 14438.000 E	132.	664.	5.7	646.1	646.1	0.0 ✓
14463.000	93.	413.	9.2	645.6	645.6	0.0
14488.000	55.	292.	13.1	645.5	645.5	0.0
14489.000	59.	329.	11.6	646.2	646.2	0.0
14512.000	70.	414.	9.2	647.5	647.5	0.0
14513.000	70.	416.	9.2	647.5	647.5	0.0
F- 14538.000 F	134.	614.	6.2	648.2	648.2	0.0
14563.000 F	158.	889.	4.3	648.7	648.7	0.0 ✓
G- 17288.000 G	265.	1076.	3.3	653.7	653.2	0.5 ✓