
 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50.51.52

T1 STOWE BRANCH CITY OF BELMONT
 T2 GASTON CO. FIS JOB # 207022
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-1.	2.	0.	0.	0.007000	0.0	0.0	0.	554,000	0.0
J2	NPROF	IPLT	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	201.000	0.0	0.0	0.0	0.0	0.0
NC	0.100	0.100	0.040	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	420.000	730.000	920.000	1490.000	920.000	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	1000.000	17.000	1023.000	1447.000	1000.000	1000.000	1000.000	0.0	0.0	0.0
GR	572.200	1000.000	570.400	1023.000	565.200	1091.000	562.200	1125.000	556.800	1150.000
GR	555.200	1175.000	554.500	1200.000	553.700	1225.000	553.600	1250.000	553.100	1275.000
GR	552.800	1300.000	552.300	1325.000	551.700	1350.000	551.300	1375.000	565.000	1440.000
GR	570.000	1447.000	572.200	1458.000	0.0	0.0	0.0	0.0	0.0	0.0
X1	1900.000	13.000	1072.000	1235.000	900.000	900.000	900.000	0.0	0.0	0.0
GR	577.100	1000.000	571.800	1042.000	568.200	1072.000	565.200	1087.000	563.400	1100.000
GR	559.100	1125.000	557.800	1150.000	557.700	1175.000	557.400	1200.000	557.900	1225.000
GR	564.600	1275.000	570.500	1285.000	574.400	1292.000	0.0	0.0	0.0	0.0
X1	3775.000	16.000	1069.800	1102.500	1875.000	1875.000	1875.000	0.0	0.0	0.0
GR	581.800	1000.000	576.300	1050.000	572.500	1069.800	566.600	1084.400	565.100	1087.800
GR	566.600	1094.000	570.300	1102.500	570.600	1150.000	569.500	1200.000	570.500	1250.000
GR	571.700	1300.000	570.100	1350.000	570.700	1400.000	570.500	1417.000	580.000	1450.000
GR	582.500	1460.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	3786.000	0.0	0.0	0.0	11.000	11.000	11.000	0.0	-0.450	0.0
NC	0.100	0.100	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	3802.000	36.000	1596.700	1605.300	16.300	16.300	16.300	0.0	0.0	0.0
GR	621.400	1000.000	621.000	1050.000	620.600	1100.000	620.200	1150.000	619.700	1200.000
GR	619.200	1250.000	618.700	1300.000	580.900	1344.500	580.000	1350.000	572.200	1394.500
GR	571.200	1400.000	570.600	1402.900	568.700	1444.500	568.600	1450.000	568.500	1500.000

GR	568,400	1550,630	568,800	1596,700	568,200	1597,900	564,400	1600,000	564,000	1601,000
GR	565,200	1604,100	568,300	1605,300	568,900	1650,000	568,700	1694,500	568,800	1700,000
GR	570,000	1744,500	570,200	1750,000	571,600	1791,500	572,800	1800,000	580,100	1850,000
GR	582,700	1867,500	612,500	1900,000	612,400	1950,000	612,200	2000,000	611,800	2050,000
GR	611,500	2100,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.900	3.200	2.500	0.0	6,800	0.0	59,000	0.0	565,200	564,000

X1	3997,000	38,000	1596,700	1605,300	195,000	195,000	195,000	0.0	0.0	0.0
X2	0.0	0.0	1,000	573,900	611,500	0.0	0.0	0.0	0.0	0.0
BT	29,000	1000,000	621,400	0.0	1050,000	621,000	0.0	1100,000	620,600	0.0
BT	1150,000	620,200	0.0	1200,000	619,700	0.0	1250,000	619,200	0.0	1300,000
BT	618,700	0.0	1550,000	618,000	0.0	1400,000	617,500	0.0	1450,000	617,000
BT	0.0	1500,000	616,400	0.0	1550,000	615,900	0.0	1596,600	615,400	0.0
BT	1596,700	615,400	569,600	1597,900	615,300	572,600	1601,000	615,300	573,900	1604,100
BT	615,300	572,600	1605,300	615,300	596,600	1605,400	615,300	0.0	1650,000	614,800
BT	0.0	1700,000	614,200	0.0	1750,000	613,800	0.0	1800,000	613,300	0.0
BT	1850,000	612,900	0.0	1900,000	612,500	0.0	1950,000	612,400	0.0	2000,000
BT	612,200	0.0	2050,000	611,800	0.0	2100,000	611,500	0.0	0.0	0.0
GR	621,400	1000,000	621,000	1050,000	620,600	1100,000	620,200	1150,000	619,700	1200,000
GR	619,200	1250,000	618,700	1300,000	582,200	1344,500	581,200	1350,000	573,500	1394,500
GR	572,400	1400,000	571,900	1402,900	569,900	1444,500	569,900	1450,000	569,800	1500,000
GR	569,700	1550,000	569,600	1596,600	569,600	1596,700	566,500	1597,900	565,700	1600,000
GR	565,200	1601,000	566,500	1604,100	569,600	1605,300	569,600	1605,400	569,800	1650,000
GR	569,900	1694,500	570,100	1700,000	571,300	1744,500	571,500	1750,000	572,800	1791,500
GR	574,100	1800,000	581,400	1850,000	583,900	1867,500	612,500	1900,000	612,400	1950,000
GR	612,200	2000,000	611,800	2050,000	611,500	2100,000	0.0	0.0	0.0	0.0
NC	0.100	0.100	0.040	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	4014,000	19,000	1241,000	1265,000	17,000	17,000	17,000	0.0	-0.490	0.0
GR	583,200	1000,000	574,500	1050,000	572,900	1058,400	570,900	1100,000	570,200	1150,000
GR	570,100	1192,500	571,700	1200,000	573,800	1215,000	569,300	1226,000	569,800	1241,000
GR	567,500	1246,000	566,200	1256,500	567,500	1258,000	570,400	1265,000	570,100	1300,000
GR	570,900	1350,000	572,300	1400,000	573,800	1447,000	584,900	1523,000	0.0	0.0

X1	4030,000	0.0	0.0	0.0	16,000	16,000	16,000	0.0	0.490	0.0
QT	5,000	220,000	390,000	500,000	830,000	500,000	0.0	0.0	0.0	0.0

X1	5400,000	14,000	1120,000	1148,000	1370,000	1370,000	1370,000	0.0	0.0	0.0
GR	600,800	1000,000	601,600	1005,000	601,600	1019,000	601,000	1032,500	600,200	1038,000
GR	595,900	1050,000	584,600	1073,500	582,700	1100,000	582,900	1120,000	579,000	1129,500
GR	578,200	1134,000	579,000	1140,500	585,200	1148,000	594,100	1188,000	0.0	0.0

X1	6150,000	0.0	0.0	0.0	750,000	750,000	750,000	0.0	9.100	0.0
NC	0.100	0.100	0.015	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	6200,000	42,000	2038,000	2050,000	50,000	50,000	50,000	0.0	0.0	0.0
GR	605,600	1000,000	602,100	1096,000	602,000	1100,000	601,600	1112,500	599,500	1200,000
GR	598,700	1300,000	598,800	1400,000	599,800	1500,000	597,000	1569,000	595,200	1600,000
GR	594,100	1619,000	592,600	1669,000	592,500	1700,000	592,400	1719,000	592,900	1769,000
GR	593,400	1800,000	593,600	1819,000	592,800	1869,000	592,200	1900,000	591,800	1919,000
GR	593,100	1969,000	593,700	2000,000	594,100	2019,000	593,900	2027,000	590,400	2038,000
GR	588,600	2038,700	587,900	2040,500	588,600	2042,300	590,400	2043,000	590,400	2045,000
GR	588,600	2045,700	587,900	2047,500	588,600	2049,300	590,400	2050,000	594,200	2052,000
GR	595,400	2069,000	596,700	2100,000	597,100	2109,000	601,600	2119,000	608,900	2162,000
GR	623,200	2200,000	624,400	2220,000	0.0	0.0	0.0	0.0	0.0	0.0
SB	0,900	1,500	2,500	0.0	7,800	0.0	39,000	0.0	587,900	588,500

X1	6320,000	42,000	2038,000	2050,000	120,000	120,000	120,000	0.0	0.0	0.0
X2	0.0	0.0	1,000	593,500	598,700	0.0	0.0	0.0	0.0	0.0

BT	26.000	1000.000	608.600	0.0	1096.000	602.100	0.0	1100.000	602.000	0.0
BT	1112.500	601.600	0.0	1200.000	599.500	0.0	1300.000	598.700	0.0	1400.000
BT	598.800	0.0	1800.000	599.800	0.0	1600.000	601.300	0.0	1700.000	603.200
BT	0.0	1800.000	605.700	0.0	1900.000	608.500	0.0	2000.000	612.300	0.0
BT	2038.000	613.800	591.000	2038.700	613.800	592.800	2040.500	613.900	593.500	2042.300
BT	614.000	592.800	2043.000	614.000	591.000	2045.000	614.100	591.000	2045.700	614.200
BT	592.800	2047.500	614.200	593.500	2049.300	614.300	592.800	2050.000	614.400	591.000
BT	2100.000	617.000	0.0	2200.000	623.200	0.0	2220.000	624.400	0.0	0.0
GR	605.600	1000.000	602.100	1096.000	602.000	1100.000	601.600	1112.500	599.500	1200.000
GR	598.700	1300.000	598.800	1400.000	599.800	1500.000	597.700	1569.000	595.900	1600.000
GR	594.800	1619.000	593.200	1669.000	593.100	1700.000	593.100	1719.000	593.600	1769.000
GR	594.000	1800.000	594.300	1819.000	593.500	1869.000	592.900	1900.000	592.500	1919.000
GR	593.700	1969.000	594.400	2000.000	594.700	2019.000	594.500	2027.000	591.000	2038.000
GR	589.300	2038.700	588.500	2040.500	589.300	2042.300	591.000	2043.000	591.000	2045.000
GR	589.300	2045.700	588.500	2047.500	589.300	2049.300	591.000	2050.000	594.800	2052.000
GR	596.000	2069.000	597.300	2100.000	597.700	2109.000	602.200	2119.000	609.500	2162.000
GR	623.200	2200.000	624.400	2220.000	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.100	0.100	0.040	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	6340.000	20.000	1508.000	1533.000	20.300	20.300	20.300	0.0	-0.030	0.0
GR	599.900	1000.000	597.700	1050.000	594.800	1100.000	593.300	1150.000	593.200	1200.000
GR	593.700	1250.000	594.400	1300.000	593.600	1350.000	592.600	1400.000	593.800	1450.000
GR	594.800	1500.000	594.600	1508.000	588.800	1521.000	588.600	1525.000	588.800	1526.500
GR	594.900	1533.000	596.100	1550.000	597.800	1590.000	602.300	1600.000	609.600	1643.000

X1	6360.000	0.0	0.0	0.0	20.300	20.300	20.300	0.0	0.030	0.0
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X1	6586.000	12.000	1127.000	1154.000	226.000	226.000	226.000	0.0	-0.660	0.0
GR	607.500	1000.000	596.500	1026.000	595.500	1050.000	594.500	1100.000	593.000	1127.000
GR	590.800	1146.000	589.800	1152.000	590.500	1154.000	595.000	1154.000	595.900	1200.000
GR	597.200	1212.000	609.900	1240.500	0.0	0.0	0.0	0.0	0.0	0.0

X1	6593.000	0.0	0.0	0.0	7.100	7.100	7.100	0.0	0.160	0.0
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X1	6600.000	19.000	1079.500	1166.000	7.100	7.100	7.100	0.0	0.0	0.0
GR	597.700	1000.000	597.400	1013.500	597.600	1050.000	597.700	1079.000	596.000	1079.500
GR	592.900	1096.500	597.000	1096.500	597.000	1097.000	597.000	1097.500	592.900	1097.500
GR	592.600	1100.000	591.400	1108.000	596.600	1112.500	597.000	1112.500	597.000	1113.000
GR	597.000	1113.500	596.600	1113.500	597.200	1166.000	601.300	1178.000	0.0	0.0

X1	6601.000	0.0	0.0	0.0	1.000	1.000	1.000	0.0	0.0	0.0
BT	11.000	1000.000	597.700	0.0	1013.500	597.400	0.0	1050.000	597.600	0.0
BT	1079.000	597.700	0.0	1079.500	597.700	596.800	1097.000	597.800	597.000	1100.000
BT	597.800	597.000	1108.000	597.800	597.000	1113.000	597.800	597.000	1166.000	598.000
BT	597.200	1178.000	601.300	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	6602.000	19.000	1079.500	1166.000	1.000	1.000	1.000	0.0	0.0	0.0
BT	11.000	1000.000	597.700	0.0	1013.500	597.400	0.0	1050.000	597.600	0.0
BT	1079.000	597.700	0.0	1079.500	597.700	596.800	1097.000	597.800	597.000	1100.000
BT	597.800	597.000	1108.000	597.800	597.000	1113.000	597.800	597.000	1166.000	598.000
BT	597.200	1178.000	601.300	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GR	597.700	1000.000	597.400	1013.500	597.600	1050.000	597.700	1079.000	596.000	1079.500
GR	592.900	1096.500	597.000	1096.500	597.000	1097.000	597.000	1097.500	592.900	1097.500
GR	592.600	1100.000	591.400	1108.000	596.600	1112.500	597.000	1112.500	597.000	1113.000
GR	597.000	1113.500	596.600	1113.500	597.200	1166.000	601.300	1178.000	0.0	0.0

X1	6603.000	0.0	0.0	0.0	1.000	1.000	1.000	0.0	0.0	0.0
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X1	6608.000	12.000	1127.000	1154.000	5.000	5.000	5.000	0.0	-0.160	0.0
GR	607.500	1000.000	596.500	1026.000	595.500	1050.000	594.600	1100.000	593.000	1127.000
GR	590.800	1116.000	589.800	1152.000	590.500	1154.000	595.000	1154.000	595.900	1200.000
GR	597.200	1212.000	609.930	1240.500	0.0	0.0	0.0	0.0	0.0	0.0
X1	6615.000	0.0	0.0	0.0	7.100	7.100	7.100	0.0	0.160	0.0
NC	0.090	0.090	0.090	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	7700.000	9.000	1080.000	1106.500	1085.000	1085.000	1085.000	0.0	0.0	0.0
GR	624.100	1000.000	616.200	1050.000	611.500	1080.000	604.400	1088.000	603.800	1094.000
GR	604.300	1100.000	607.800	1106.500	611.900	1150.000	620.800	1200.000	0.0	0.0
X1	7710.000	0.0	0.0	0.0	9.900	9.900	9.900	0.0	1.020	0.0
NC	0.090	0.090	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	7720.000	17.000	1136.000	1142.000	9.900	9.900	9.900	0.0	0.0	0.0
GR	625.000	1000.000	621.000	1050.000	618.200	1095.000	617.500	1100.000	613.600	1125.000
GR	608.800	1136.000	606.700	1136.900	605.800	1139.000	606.700	1141.100	608.800	1142.000
GR	609.700	1150.000	609.900	1151.500	614.000	1195.000	614.800	1200.000	622.900	1245.000
GR	627.800	1250.000	630.400	1271.000	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	4.700	0.0	26.000	0.0	606.500	505.800
X1	7780.000	16.000	1136.000	1142.000	60.000	60.000	60.000	0.0	-0.010	0.0
X2	0.0	0.0	1.000	612.500	618.200	0.0	0.0	0.0	0.0	0.0
BT	12.000	1000.000	625.000	0.0	1050.000	621.000	0.0	1100.000	618.700	0.0
BT	1136.000	618.200	609.500	1136.500	618.200	611.600	1139.000	618.200	612.500	1141.100
BT	618.200	611.600	1142.000	618.300	609.500	1150.000	618.500	0.0	1200.000	622.300
BT	0.0	1250.000	627.800	0.0	1271.000	630.400	0.0	0.0	0.0	0.0
GR	625.000	1000.000	621.000	1050.000	618.700	1100.000	614.200	1125.000	609.500	1136.000
GR	607.300	1136.900	606.500	1139.000	607.300	1141.100	609.500	1142.000	610.400	1150.000
GR	610.500	1151.500	614.600	1195.000	615.500	1200.000	623.500	1245.000	627.800	1250.000
GR	630.400	1271.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.090	0.090	0.090	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	7790.000	9.000	1080.000	1106.500	9.900	9.900	9.900	0.0	3.730	0.0
GR	624.100	1000.000	616.200	1050.000	611.500	1080.000	604.400	1088.000	603.800	1094.000
GR	604.300	1100.000	607.800	1106.500	611.900	1150.000	620.800	1200.000	0.0	0.0
X1	7800.000	0.0	0.0	0.0	9.900	9.900	9.900	0.0	1.020	0.0
NC	0.090	0.090	0.080	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	150.000	260.000	340.000	570.000	340.000	0.0	0.0	0.0	0.0
X1	8250.000	12.000	1182.000	1200.000	450.000	450.000	450.000	0.0	-4.050	0.0
GR	635.300	1000.000	628.500	1050.000	625.000	1100.000	622.900	1150.000	621.700	1182.000
GR	618.900	1187.000	618.700	1188.500	618.900	1191.000	622.400	1200.000	626.200	1250.000
GR	633.800	1300.000	637.400	1319.500	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.100	0.100	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	8258.000	0.0	0.0	0.0	7.600	7.600	7.600	0.0	0.290	0.0
X1	8265.000	39.000	1724.500	1731.500	7.600	7.600	7.600	0.0	0.0	0.0
GR	675.400	1000.000	678.200	1050.000	681.200	1100.000	683.700	1150.000	685.900	1200.000
GR	687.200	1234.000	687.700	1250.000	689.100	1300.000	690.200	1350.000	690.900	1400.000
GR	691.200	1450.000	691.000	1500.000	631.800	1539.500	630.400	1550.000	625.000	1589.500
GR	624.300	1600.000	621.500	1639.500	621.100	1650.000	619.400	1689.500	619.200	1700.000

GR	618.700	1724.500	616.200	1725.500	615.200	1728.000	616.200	1730.500	618.700	1731.500
GR	618.900	1739.500	619.700	1750.000	622.700	1789.500	624.800	1800.000	630.300	1839.500
GR	632.200	1850.000	633.900	1859.000	678.900	1900.000	676.800	1950.000	674.700	2000.000
GR	672.500	2050.000	670.600	2100.000	668.900	2150.000	667.300	2200.000	0.0	0.0
SB	0.900	4.000	2.500	0.0	5.500	0.0	39.000	0.0	618.100	615.200
X1	8535.000	39.000	1724.500	1731.500	270.000	270.000	270.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	625.100	667.300	0.0	0.0	0.0	0.0	0.0
BT	31.000	1000.000	675.400	0.0	1050.000	678.200	0.0	1100.000	681.200	0.0
BT	1150.000	683.700	0.0	1200.000	685.900	0.0	1234.000	687.200	0.0	1250.000
BT	687.700	0.0	1300.000	689.100	0.0	1350.000	690.200	0.0	1400.000	690.900
BT	0.0	1450.000	691.200	0.0	1500.000	691.000	0.0	1550.000	690.500	0.0
BT	1600.000	689.700	0.0	1650.000	688.500	0.0	1700.000	687.000	0.0	1724.500
BT	686.000	621.600	1725.500	686.000	624.100	1728.000	685.900	625.100	1730.500	685.800
BT	624.100	1731.500	685.800	621.600	1750.000	685.100	0.0	1800.000	683.000	0.0
BT	1850.000	680.900	0.0	1900.000	678.900	0.0	1950.000	676.800	0.0	2000.000
BT	674.700	0.0	2050.000	672.500	0.0	2100.000	670.600	0.0	2150.000	668.900
BT	0.0	2200.000	667.300	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GR	675.400	1000.000	678.200	1050.000	681.200	1100.000	683.700	1150.000	685.900	1200.000
GR	687.200	1234.000	687.700	1250.000	689.100	1300.000	690.200	1350.000	690.900	1400.000
GR	691.200	1450.000	691.000	1500.000	634.700	1539.500	633.300	1550.000	627.900	1589.500
GR	627.200	1600.000	624.400	1639.500	624.000	1650.000	622.300	1689.500	622.100	1700.000
GR	621.600	1724.500	619.100	1725.500	618.100	1728.000	619.100	1730.500	621.600	1731.500
GR	621.800	1739.500	622.600	1750.000	625.600	1789.500	627.200	1800.000	633.200	1839.500
GR	635.100	1850.000	636.800	1859.000	678.900	1900.000	676.800	1950.000	674.700	2000.000
GR	672.500	2050.000	670.600	2100.000	668.900	2150.000	667.300	2200.000	0.0	0.0
NC	0.090	0.090	0.070	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	8542.000	12.000	1182.000	1200.000	7.600	7.600	7.600	0.0	-0.290	0.0
GR	635.300	1000.000	628.500	1050.000	625.000	1100.000	622.900	1150.000	621.700	1182.000
GR	618.900	1187.000	618.700	1188.500	618.900	1191.000	622.400	1200.000	626.200	1250.000
GR	633.800	1300.000	637.400	1319.500	0.0	0.0	0.0	0.0	0.0	0.0
X1	8550.000	0.0	0.0	0.0	7.600	7.600	7.600	0.0	0.290	0.0
NC	0.060	0.060	0.050	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	9387.000	12.000	1125.000	1143.000	837.000	837.000	837.000	0.0	0.0	0.0
GR	645.400	1000.000	633.500	1041.000	634.200	1055.000	633.300	1100.000	632.800	1125.000
GR	629.100	1133.000	629.000	1134.500	629.100	1136.500	632.900	1143.000	633.100	1188.000
GR	636.300	1200.000	645.400	1236.000	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.035	0.035	0.035	0.300	0.100	0.0	0.0	0.0	0.0	0.0
X1	9403.000	20.000	1119.000	1126.500	16.000	16.000	16.000	0.0	0.0	0.0
GR	647.700	1000.000	633.600	1042.000	634.500	1048.000	634.600	1100.000	631.300	1119.000
GR	630.000	1119.800	629.800	1120.500	630.000	1121.200	631.300	1122.000	631.300	1123.500
GR	630.000	1124.300	629.800	1125.000	630.000	1125.700	631.300	1126.500	634.600	1150.000
GR	635.000	1200.000	634.700	1250.000	634.200	1254.000	636.000	1264.000	647.700	1290.000
NV	3.000	0.014	629.800	0.014	632.800	0.035	650.000	0.0	0.0	0.0
X1	9404.000	0.0	0.0	0.0	1.000	1.000	1.000	0.0	0.0	0.0
BT	20.000	1000.000	647.700	0.0	1042.000	633.600	0.0	1048.000	634.500	0.0
BT	1100.000	634.600	0.0	1119.000	634.500	631.300	1119.800	634.500	632.600	1120.500
BT	634.500	632.800	1121.200	634.500	632.600	1122.000	634.500	631.300	1123.500	634.500
BT	631.300	1124.300	634.500	632.600	1125.000	634.500	632.800	1125.700	634.500	632.600
BT	1126.500	634.500	631.300	1150.000	634.600	0.0	1200.000	635.000	0.0	1250.000
BT	634.700	0.0	1254.000	634.200	0.0	1264.000	636.000	0.0	1290.000	647.700
BT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NV	3.000	0.014	632.000	0.014	635.000	0.035	650.000	0.0	0.0	0.0

X1	9722.000	24.000	1168.000	1175.500	318.000	318.000	318.000	0.0	0.0	0.0
BT	16.000	1000.000	648.000	0.0	1050.000	641.300	0.0	1100.000	639.400	0.0
BT	1117.000	636.000	0.0	1128.000	636.300	0.0	1150.000	636.100	0.0	1168.000
BT	636.200	633.500	1168.800	636.200	634.800	1169.500	636.200	635.000	1170.200	636.200
BT	634.800	1171.000	636.200	633.500	1172.500	636.200	633.500	1175.300	636.200	634.800
BT	1174.000	636.200	635.000	1174.700	636.200	634.800	1175.500	636.200	633.500	0.0
GR	648.000	1000.000	641.300	1050.000	639.400	1100.000	636.000	1117.000	636.300	1128.000
GR	636.100	1150.000	633.500	1168.000	632.200	1168.800	632.000	1169.500	632.200	1170.200
GR	633.500	1171.000	633.500	1172.500	632.200	1173.300	632.000	1174.000	632.200	1174.700
GR	633.500	1175.500	636.000	1200.000	635.900	1216.000	634.900	1223.000	635.900	1231.000
GR	637.300	1250.000	639.300	1300.000	644.400	1368.000	648.000	1387.000	0.0	0.0
NC	0.035	0.035	0.035	0.300	0.100	0.0	0.0	0.0	0.0	0.0

X1	9723.000	0.0	0.0	0.0	1.000	1.000	1.000	0.0	0.0	0.0
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X1	9728.000	18.000	1168.000	1175.000	5.000	5.000	5.000	0.0	0.0	0.0
GR	648.000	1000.000	641.300	1050.000	639.400	1100.000	636.000	1117.000	636.300	1128.000
GR	636.100	1150.000	636.100	1168.000	632.200	1168.000	632.200	1175.000	636.100	1175.000
GR	636.100	1200.000	635.900	1216.000	634.900	1223.000	635.900	1231.000	637.300	1250.000
GR	639.300	1300.000	644.400	1368.000	648.000	1387.000	0.0	0.0	0.0	0.0

X1	9733.000	24.000	1229.300	1232.800	5.000	5.000	5.000	0.0	0.0	0.0
GR	649.100	1000.000	643.100	1050.000	642.000	1072.000	640.600	1078.000	641.000	1083.000
GR	639.100	1100.000	637.200	1150.000	636.900	1174.000	637.400	1200.000	637.100	1229.300
GR	634.000	1229.300	632.500	1230.000	632.200	1231.000	632.500	1232.000	634.000	1232.800
GR	637.100	1232.800	637.900	1250.000	639.600	1300.000	642.000	1333.000	641.900	1346.000
GR	642.400	1378.000	642.900	1418.000	643.100	1420.000	648.100	1435.000	0.0	0.0
NV	3.000	0.027	632.200	0.027	635.700	0.035	650.000	0.0	0.0	0.0

X1	9734.000	0.0	0.0	0.0	1.000	1.000	1.000	0.0	0.0	0.0
BT	22.000	1000.000	649.100	0.0	1050.000	643.100	0.0	1072.000	642.000	0.0
BT	1078.000	640.600	0.0	1083.000	641.000	0.0	1100.000	639.100	0.0	1150.000
BT	637.200	0.0	1174.000	636.900	0.0	1200.000	637.400	0.0	1229.300	637.100
BT	634.000	1230.000	637.100	635.400	1231.000	637.100	638.700	1232.000	637.100	635.400
BT	1232.800	637.100	634.000	1250.000	637.900	0.0	1300.000	639.600	0.0	1333.000
BT	642.000	0.0	1346.000	641.900	0.0	1378.000	642.400	0.0	1418.000	642.900
BT	0.0	1420.000	643.100	0.0	1435.000	648.100	0.0	0.0	0.0	0.0
NV	3.000	0.027	634.700	0.027	638.200	0.035	650.000	0.0	0.0	0.0

Y1	9833.000	0.0	0.0	0.0	99.000	99.000	99.000	0.0	2.500	0.0
BT	22.000	1000.000	651.600	0.0	1050.000	645.600	0.0	1072.000	644.500	0.0
BT	1078.000	643.100	0.0	1083.000	643.500	0.0	1100.000	641.600	0.0	1150.000
BT	639.700	0.0	1174.000	639.400	0.0	1200.000	639.900	0.0	1229.300	639.600
BT	636.500	1230.000	639.600	637.900	1231.000	639.600	638.200	1232.000	639.600	637.900
BT	1232.800	639.600	636.500	1250.000	640.400	0.0	1300.000	642.100	0.0	1333.000
BT	644.500	0.0	1346.000	644.400	0.0	1378.000	644.900	0.0	1418.000	645.400
BT	0.0	1420.000	645.600	0.0	1435.000	650.600	0.0	0.0	0.0	0.0
NC	0.035	0.035	0.035	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	9834.000	0.0	0.0	0.0	1.000	1.000	1.000	0.0	0.0	0.0
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X1	9856.000	22.000	1223.000	1263.000	22.000	22.000	22.000	0.0	0.0	0.0
GR	650.600	1000.000	644.900	1050.000	643.200	1071.000	641.800	1076.000	642.400	1078.000
GR	640.300	1100.000	639.200	1150.000	639.300	1170.000	639.900	1200.000	639.400	1223.000
GR	635.000	1231.000	634.800	1233.000	635.300	1235.000	636.100	1246.000	642.300	1263.000
GR	642.100	1273.000	642.500	1297.000	642.000	1322.000	642.400	1325.000	645.300	1350.000
GR	648.000	1400.000	653.100	1444.000	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

T1 STOWE BRANCH CITY OF BELMONT
 T2 GASTON CO. FIS JOB # 207022
 T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	3.	0.	0.	0.007000	0.0	0.0	0.	556.000	0.0
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

*PROF 2

CCHV= 0.100 CEHV= 0.300

*SECNO 1000.000

SECNO	DEPTH	CWSEL	CRTWS	WSELK	EG	HV	HL	GLOSS	BANK ELEV
Q	QLOB	QCH	QROR	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
1000.00	2.63	553.93	0.0	556.00	554.12	0.19	0.0	0.0	570.40
730.	0.	730.	0.	0.	206.	0.	0.	0.	570.00
0.0	0.0	3.54	0.0	0.100	0.040	0.100	0.0	551.30	1217.88
0.006990	1000.	1000.	1000.	0	0	4	0.0	169.89	1387.47

*SECNO 1900.000

1900.00	2.21	559.61	0.0	0.0	559.85	0.24	5.72	0.01	568.20
730.	0.	730.	0.	0.	187.	0.	4.	3.	570.50
0.06	0.0	3.90	0.0	0.100	0.040	0.100	0.040	557.40	1122.05
0.005795	900.	900.	900.	4	0	0	0.0	115.69	1237.74

*SECNO 3775.000

3265 DIVIDED FLOW

3775.00	5.82	570.92	570.80	0.0	571.41	0.48	11.48	0.07	572.50
730.	0.	580.	150.	0.	93.	160.	14.	12.	570.30
0.17	0.0	6.23	0.94	0.100	0.040	0.100	0.040	565.10	1073.69
0.006483	1875.	1875.	1875.	8	20	0	0.0	288.52	1418.49

*SECNO 3786.000

3786.00	6.71	571.36	0.0	0.0	571.47	0.11	0.03	0.04	572.05
730.	0.	416.	314.	0.	119.	419.	14.	12.	569.85
0.17	0.0	3.48	0.75	0.100	0.040	0.100	0.040	564.65	1071.50
0.001598	11.	11.	11.	3	0	0	0.0	350.06	1421.56

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

T1 STONE BRANCH CITY OF BELMONT
 T2 GASTON CO. FIS JOB # 207022
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	4.	0.	0.	0.007000	0.0	0.0	0.	557.000	0.0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	3.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

*PROF 3

CCHV= 0.100 CEHV= 0.300

*SECNO 1000.000

SECNO	DEPTH	WSEL	CRWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XLN	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENOSY
1000.00	2.83	554.13	0.0	557.00	554.36	0.22	0.0	0.0	570.40
920.	0.	920.	0.	0.	242.	0.	0.	0.	570.00
0.0	0.0	3.80	0.0	0.100	0.040	0.100	0.0	551.30	1211.47
0.006921	1000.	1000.	1000.	0	0	5	0.0	176.97	1388.44

*SECNO 1900.000

1900.00	2.46	559.86	0.0	0.0	560.14	0.28	5.77	0.02	568.20
920.	0.	920.	0.	0.	216.	0.	5.	3.	570.50
0.06	0.0	4.26	0.0	0.100	0.040	0.100	0.040	557.40	1120.63
0.005951	900.	900.	900.	4	0	0	0.0	118.93	1239.56

*SECNO 3775.000

3265 DIVIDED FLOW

3775.00	6.12	571.22	0.0	0.0	571.67	0.46	11.48	0.05	572.50
920.	0.	651.	269.	0.	102.	239.	17.	12.	570.30
0.17	0.0	6.41	1.13	0.100	0.040	0.100	0.040	565.10	1072.97
0.006299	1875.	1875.	1875.	4	0	0	0.0	313.60	1419.50

*SECNO 3786.000

3786.00	6.97	571.62	0.0	0.0	571.74	0.12	0.03	0.03	572.05
920.	0.	482.	438.	0.	127.	500.	17.	12.	569.85
0.17	0.0	3.79	0.88	0.100	0.040	0.100	0.040	564.65	1070.88
0.001781	11.	11.	11.	3	0	0	0.0	351.56	1422.44

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

T1 STONE BRANCH CITY OF BELMONT
 T2 GASTON CO. FIS JOB # 207022
 T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	5.	0.	0.	0.007000	0.0	0.0	0.	558.000	0.0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

*PROF 4

CCHV= 0.100 CEHV= 0.300
 *SECNO 1000.000

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ZCONT	CORAR	TOPWID	ENDST
1000.00	3.33	554.63	0.0	558.00	554.94	0.31	0.0	0.0	570.40
1490.	0.	1490.	0.	0.	335.	0.	0.	0.	570.00
0.0	0.0	4.44	0.0	0.100	0.040	0.100	0.0	551.30	1195.20
0.006995	1000.	1000.	1000.	0	0	6	0.0	195.62	1390.82

*SECNO 1900.000

1900.00	3.08	560.48	0.0	0.0	560.68	0.40	5.91	0.03	568.20
1490.	0.	1490.	0.	0.	293.	0.	6.	3.	570.50
0.05	0.0	5.08	0.0	0.100	0.040	0.100	0.040	557.40	1116.99
0.006177	900.	900.	900.	4	0	0	0.0	127.25	1244.24

*SECNO 3775.000

3775.00	6.78	571.88	0.0	0.0	572.30	0.41	11.41	0.00	572.50
1490.	0.	828.	662.	0.	122.	442.	25.	14.	570.30
0.17	0.0	6.80	1.50	0.100	0.040	0.100	0.040	565.10	1071.32
0.006000	1875.	1875.	1875.	4	0	0	0.0	350.49	1421.81

*SECNO 3786.000

3786.00	7.56	572.21	0.0	0.0	572.36	0.16	0.04	0.03	572.05
1490.	0.	666.	824.	0.	147.	692.	25.	14.	569.85
0.17	0.01	4.54	1.19	0.100	0.040	0.100	0.040	564.65	1068.94
0.002216	11.	11.	11.	2	0	0	0.0	355.58	1424.52

CCHV= 0.100 CEHV= 0.300

*SECNO 3802.000

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
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 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

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

~~10-YEAR FEEDBACK WATER SURF~~

SUMMARY PRINTOUT

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CMSL	CRIMS	VCH	SSTA	ENDST	AREA	DIFMSP
1000.000	1000.00	0.0	0.0	420.00	551.30	553.43	0.0	3.19	1258.36	1385.12	131.85	0.0
1000.000	1000.00	0.0	0.0	730.00	551.30	553.93	0.0	3.54	1217.88	1387.47	206.41	0.50
1000.000	1000.00	0.0	0.0	920.00	551.30	554.13	0.0	3.80	1211.47	1388.44	241.95	0.21
1000.000	1000.00	0.0	0.0	1490.00	551.30	554.63	0.0	4.44	1195.20	1390.82	335.28	0.50
1900.000	900.00	0.0	0.0	420.00	557.40	559.12	0.0	3.19	1124.92	1234.05	131.81	0.0
1900.000	900.00	0.0	0.0	730.00	557.40	559.61	0.0	3.90	1122.05	1237.74	187.38	0.50
1900.000	900.00	0.0	0.0	920.00	557.40	559.86	0.0	4.26	1120.63	1239.56	215.96	0.25
1900.000	900.00	0.0	0.0	1490.00	557.40	560.48	0.0	5.08	1116.99	1244.24	293.10	0.62
3775.000	1875.00	0.0	0.0	420.00	565.10	570.23	569.22	5.52	1075.43	1360.28	99.13	0.0
3775.000	1875.00	0.0	0.0	730.00	565.10	570.92	570.80	6.23	1073.69	1418.49	252.88	0.70
3775.000	1875.00	0.0	0.0	920.00	565.10	571.22	0.0	6.41	1072.97	1419.50	340.70	0.29
3775.000	1875.00	0.0	0.0	1490.00	565.10	571.88	0.0	6.80	1071.32	1421.81	563.76	0.67
3786.000	11.00	0.0	0.0	420.00	564.65	570.62	0.0	3.24	1073.33	1418.99	295.39	0.0
3786.000	11.00	0.0	0.0	730.00	564.65	571.36	0.0	3.48	1071.50	1421.56	538.43	0.74
3786.000	11.00	0.0	0.0	920.00	564.65	571.62	0.0	3.79	1070.88	1422.44	627.18	0.25
3786.000	11.00	0.0	0.0	1490.00	564.65	572.21	0.0	4.54	1068.94	1424.52	839.13	0.59
3802.000	16.30	0.0	0.0	420.00	564.00	570.73	0.0	2.57	1402.25	1765.86	716.53	0.0
3802.000	16.30	0.0	0.0	730.00	564.00	571.45	0.0	3.15	1398.61	1787.16	986.69	0.72
3802.000	16.30	0.0	0.0	920.00	564.00	571.71	0.0	3.57	1397.19	1792.29	1088.01	0.26
3802.000	16.30	0.0	0.0	1490.00	564.00	572.31	0.0	4.61	1395.84	1796.57	1328.78	0.60
384.99	195.00	0.0	0.0	420.00	565.20	570.63	570.63	11.98	1429.39	1719.53	35.11	0.0
3997.000	195.00	0.0	0.0	730.00	565.20	572.34	572.34	14.96	1400.34	1776.88	48.92	1.72
3997.000	195.00	0.0	0.0	920.00	565.20	572.54	572.54	18.26	1399.30	1783.21	50.51	0.20
3997.000	195.00	0.0	0.0	1490.00	565.20	573.90	573.90	26.75	1392.19	1798.69	59.87	1.36
4014.000	17.00	0.0	0.0	420.00	565.71	573.07	0.0	1.16	1054.91	1439.61	1010.86	0.0
4014.000	17.00	0.0	0.0	730.00	565.71	576.16	0.0	0.87	1037.64	1466.52	2273.95	3.09
4014.000	17.00	0.0	0.0	920.00	565.71	578.23	0.0	0.77	1025.75	1480.69	3188.63	2.07
4014.000	17.00	0.0	0.0	1490.00	565.71	586.11	0.0	0.54	1000.00	1523.00	7122.96	7.88
4030.000	16.00	0.0	0.0	420.00	566.20	573.07	0.0	1.40	1057.49	1424.22	828.60	0.0
4030.000	16.00	0.0	0.0	730.00	566.20	576.16	0.0	0.96	1040.46	1463.16	2055.33	3.09
4030.000	16.00	0.0	0.0	920.00	566.20	578.23	0.0	0.83	1028.56	1477.34	2967.23	2.07
4030.000	16.00	0.0	0.0	1490.00	566.20	586.11	0.0	0.56	1000.00	1523.00	6866.31	7.88

Southern Railway Bridge

A

B

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
* 5400.000	1370.00	0.0	0.0	220.00	578.20	580.77	580.77	7.42	1125.18	1142.65	29.64	0.0
* 5400.000	1370.00	0.0	0.0	390.00	578.20	581.62	581.62	8.54	1123.12	1143.67	45.68	0.84
* 5400.000	1370.00	0.0	0.0	500.00	578.20	582.07	582.07	9.04	1122.03	1144.21	55.31	0.45
5400.000	1370.00	0.0	0.0	830.00	578.20	585.96	0.0	4.35	1070.68	1151.41	284.95	3.89
6150.000	750.00	0.0	0.0	220.00	587.30	590.53	0.0	5.24	1123.57	1143.45	42.02	0.0
6150.000	750.00	0.0	0.0	390.00	587.30	591.49	0.0	6.22	1121.24	1144.60	62.68	0.96
6150.000	750.00	0.0	0.0	500.00	587.30	591.98	0.0	6.70	1097.44	1145.20	76.51	0.49
* 6150.000	750.00	0.0	0.0	830.00	587.30	592.45	592.45	9.43	1090.99	1145.76	100.21	0.46
* 6200.000	50.00	0.0	0.0	220.00	587.90	591.07	591.07	8.45	2035.91	2050.35	26.81	0.0
* 6200.000	50.00	0.0	0.0	390.00	587.90	592.27	592.27	9.44	1896.18	2050.99	56.60	1.21
* 6200.000	50.00	0.0	0.0	500.00	587.90	593.32	593.32	7.56	1644.90	2051.54	261.30	1.05
* 6200.000	50.00	0.0	0.0	830.00	587.90	593.98	593.98	8.70	1622.91	2051.89	511.08	0.66
* 6320.000	120.00	598.70	593.50	220.00	588.50	591.68	591.68	9.42	2035.86	2050.36	23.36	0.0
6320.000	120.00	598.70	593.50	390.00	588.50	594.35	0.0	4.80	1632.85	2051.77	394.69	2.67
6320.000	120.00	598.70	593.50	500.00	588.50	597.13	0.0	1.84	1578.61	2096.23	1684.42	2.79
6320.000	120.00	598.70	593.50	830.00	588.50	599.45	0.0	1.70	1205.90	2112.90	3107.17	2.31
6340.000	20.30	0.0	0.0	220.00	588.57	593.01	0.0	4.04	1377.79	1531.02	62.72	0.0
6340.000	20.30	0.0	0.0	390.00	588.57	594.59	0.0	2.35	1105.88	1532.71	469.39	1.57
6340.000	20.30	0.0	0.0	500.00	588.57	597.15	0.0	0.84	1059.02	1575.33	1663.75	2.56
6340.000	20.30	0.0	0.0	830.00	588.57	599.46	0.0	0.75	1009.27	1593.76	2946.96	2.31
6360.000	20.30	0.0	0.0	220.00	588.60	593.10	0.0	3.92	1374.38	1531.09	67.06	0.0
6360.000	20.30	0.0	0.0	390.00	588.60	594.61	0.0	2.38	1106.57	1532.68	460.93	1.50
6360.000	20.30	0.0	0.0	500.00	588.60	597.15	0.0	0.84	1059.47	1574.72	1650.40	2.54
6360.000	20.30	0.0	0.0	830.00	588.60	599.46	0.0	0.76	1010.04	1593.69	2927.14	2.31
6586.000	226.00	0.0	0.0	220.00	589.14	593.72	0.0	2.66	1103.68	1154.00	96.21	0.0
6586.000	226.00	0.0	0.0	390.00	589.14	594.79	0.0	3.18	1052.24	1177.51	179.98	1.07
6586.000	226.00	0.0	0.0	500.00	589.14	597.15	0.0	1.79	1022.87	1213.40	590.97	2.36
6586.000	226.00	0.0	0.0	830.00	589.14	599.45	0.0	1.73	1017.43	1218.56	1041.62	2.30
6593.000	7.10	0.0	0.0	220.00	589.30	593.72	0.0	2.82	1106.20	1154.00	88.89	0.0
6593.000	7.10	0.0	0.0	390.00	589.30	594.79	0.0	3.37	1061.29	1169.17	160.97	1.07
6593.000	7.10	0.0	0.0	500.00	589.30	597.15	0.0	1.88	1023.27	1213.02	558.99	2.36
6593.000	7.10	0.0	0.0	830.00	589.30	599.45	0.0	1.79	1017.63	1218.18	1007.75	2.30
* 6600.000	7.10	0.0	0.0	220.00	591.40	594.30	594.30	7.04	1088.84	1110.51	31.24	0.0
* 6600.000	7.10	0.0	0.0	390.00	591.40	595.06	595.06	7.97	1084.63	1111.17	48.96	0.77
6600.000	7.10	0.0	0.0	500.00	591.40	596.97	0.0	4.44	1079.21	1145.95	112.70	1.90
6600.000	7.10	0.0	0.0	830.00	591.40	599.42	0.0	2.28	1000.00	1172.51	478.04	2.46
6601.000	1.00	597.40	597.20	220.00	591.40	594.57	594.30	5.91	1087.32	1110.75	37.19	0.0
6601.000	1.00	597.40	597.20	390.00	591.40	595.35	0.0	6.92	1083.09	1111.41	56.37	0.78
6601.000	1.00	597.40	597.20	500.00	591.40	596.97	0.0	4.50	1079.21	1146.14	111.34	1.62
6601.000	1.00	597.40	597.20	830.00	591.40	599.42	0.0	2.60	1000.00	1172.51	405.16	2.44
6602.000	1.00	597.40	597.20	220.00	591.40	594.59	0.0	5.86	1087.24	1110.76	37.54	0.0
6602.000	1.00	597.40	597.20	390.00	591.40	595.44	0.0	6.61	1082.57	1111.50	59.00	0.84
6602.000	1.00	597.40	597.20	500.00	591.40	596.98	0.0	4.48	1079.21	1146.80	111.77	1.54
6602.000	1.00	597.40	597.20	830.00	591.40	599.42	0.0	2.61	1000.00	1172.49	403.82	2.43

62+60 Stowe Thread Road and Belmont Corp. Units

Sewer Line

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRHS	VCH	SSTA	ENDST	AREA	DIFWSP
6603.000	1.00	0.0	0.0	220.00	591.40	594.65	0.0	5.64	1086.88	1110.82	39.02	0.0
6603.000	1.00	0.0	0.0	390.00	591.40	595.47	0.0	6.54	1082.45	1111.51	59.60	0.82
6603.000	1.00	0.0	0.0	500.00	591.40	597.01	0.0	4.37	1079.21	1148.42	114.36	1.54
6603.000	1.00	0.0	0.0	830.00	591.40	599.44	0.0	2.28	1000.00	1172.52	478.58	2.43
6608.000	5.00	0.0	0.0	220.00	589.64	595.15	0.0	1.89	1060.52	1169.88	162.48	0.0
6608.000	5.00	0.0	0.0	390.00	589.64	596.14	0.0	2.31	1030.71	1203.73	310.07	0.99
6608.000	5.00	0.0	0.0	500.00	589.64	597.29	0.0	1.99	1023.75	1212.57	521.02	1.16
6608.000	5.00	0.0	0.0	830.00	589.64	599.48	0.0	1.90	1018.57	1217.48	945.27	2.19
6615.000	7.10	0.0	0.0	220.00	589.80	595.15	0.0	2.01	1069.52	1161.59	146.15	0.0
6615.000	7.10	0.0	0.0	390.00	589.80	596.13	0.0	2.46	1034.80	1202.16	281.10	0.99
6615.000	7.10	0.0	0.0	500.00	589.80	597.29	0.0	2.10	1024.13	1212.21	490.54	1.16
6615.000	7.10	0.0	0.0	830.00	589.80	599.48	0.0	1.97	1018.94	1217.13	914.20	2.19
7700.000	1085.00	0.0	0.0	220.00	603.80	606.14	606.14	7.44	1086.04	1103.41	29.58	0.0
7700.000	1085.00	0.0	0.0	390.00	603.80	606.98	606.98	8.61	1085.09	1104.98	45.31	0.84
7700.000	1085.00	0.0	0.0	500.00	603.80	607.44	607.44	9.14	1084.58	1105.83	54.73	0.46
7700.000	1085.00	0.0	0.0	830.00	603.80	608.67	608.67	9.95	1083.19	1115.70	86.37	1.23
7710.000	9.90	0.0	0.0	220.00	604.82	607.22	0.0	7.19	1085.98	1103.52	30.59	0.0
7710.000	9.90	0.0	0.0	390.00	604.82	608.00	608.00	8.62	1085.09	1104.98	45.27	0.77
7710.000	9.90	0.0	0.0	500.00	604.82	608.45	608.45	9.16	1084.58	1105.82	54.59	0.45
7710.000	9.90	0.0	0.0	830.00	604.82	609.68	609.68	9.96	1083.20	1115.66	86.25	1.23
7720.000	9.90	0.0	0.0	220.00	605.80	610.40	610.40	9.05	1132.33	1156.81	36.58	0.0
7720.000	9.90	0.0	0.0	390.00	605.80	611.67	611.67	10.25	1129.43	1170.25	77.92	1.27
7720.000	9.90	0.0	0.0	500.00	605.80	612.23	612.23	10.98	1128.15	1176.18	102.75	0.56
7720.000	9.90	0.0	0.0	830.00	605.80	613.46	613.46	12.73	1125.32	1189.25	171.72	1.23
7750.000	60.00	618.20	612.50	220.00	606.49	610.82	610.82	11.18	1132.89	1154.98	19.74	0.0
7780.000	60.00	618.20	612.50	390.00	606.49	616.09	0.0	3.48	1114.43	1203.39	327.88	5.27
7780.000	60.00	618.20	612.50	500.00	606.49	618.77	0.0	2.58	1098.24	1218.45	606.29	2.68
7780.000	60.00	618.20	612.50	830.00	606.49	620.05	0.0	3.48	1070.38	1225.66	782.81	1.28
7790.000	9.90	0.0	0.0	220.00	607.53	612.93	0.0	2.23	1082.59	1121.35	105.33	0.0
7790.000	9.90	0.0	0.0	390.00	607.53	616.16	0.0	1.61	1074.04	1153.00	293.66	3.23
7790.000	9.90	0.0	0.0	500.00	607.53	618.80	0.0	1.14	1057.20	1157.82	343.73	2.64
7790.000	9.90	0.0	0.0	830.00	607.53	620.10	0.0	1.49	1048.98	1175.06	696.29	1.30
7800.000	9.90	0.0	0.0	220.00	608.55	612.93	0.0	3.09	1083.74	1110.54	71.94	0.0
7800.000	9.90	0.0	0.0	390.00	608.55	616.16	0.0	2.10	1080.10	1144.84	219.93	3.23
7800.000	9.90	0.0	0.0	500.00	608.55	618.80	0.0	1.40	1063.71	1162.09	437.19	2.64
7800.000	9.90	0.0	0.0	830.00	608.55	620.09	0.0	1.79	1055.42	1169.39	575.07	1.30
8250.000	450.00	0.0	0.0	150.00	614.65	618.11	617.17	4.06	1169.80	1199.38	39.16	0.0
8250.000	450.00	0.0	0.0	260.00	614.65	618.00	618.00	7.49	1172.77	1199.09	36.04	-0.11
8250.000	450.00	0.0	0.0	340.00	614.65	619.09	0.0	5.16	1144.12	1209.83	85.60	1.10
8250.000	450.00	0.0	0.0	570.00	614.65	620.60	0.0	3.79	1108.29	1229.63	226.38	1.51
8258.000	7.60	0.0	0.0	150.00	614.94	618.08	0.0	4.84	1178.20	1198.57	31.29	0.0
8258.000	7.60	0.0	0.0	260.00	614.94	618.21	618.21	7.84	1174.82	1198.89	34.10	0.13
8258.000	7.60	0.0	0.0	340.00	614.94	618.77	618.66	7.76	1159.81	1201.74	52.37	0.56
8258.000	7.60	0.0	0.0	570.00	614.94	620.26	0.0	7.03	1123.22	1221.38	157.51	1.49

Vine Street

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
* 8265.000	7.60	0.0	0.0	150.00	615.20	618.58	618.58	9.00	1724.55	1731.45	16.66	0.0
* 8265.000	7.60	0.0	0.0	260.00	615.20	620.01	620.01	7.72	1675.42	1754.03	81.87	1.43
* 8265.000	7.60	0.0	0.0	340.00	615.20	620.44	620.44	7.96	1665.27	1759.78	119.69	0.44
* 8265.000	7.60	0.0	0.0	570.00	615.20	621.12	621.12	9.53	1649.50	1768.68	191.91	0.68
84 + 00 Keener Blvd												
8535.000	270.00	667.30	625.10	150.00	618.10	621.72	621.47	8.22	1718.45	1736.44	18.24	0.0
* 8535.000	270.00	667.30	625.10	260.00	618.10	622.54	622.54	11.23	1683.87	1749.24	23.15	0.82
* 8535.000	270.00	667.30	625.10	340.00	618.10	623.32	623.32	12.23	1665.84	1759.46	27.81	0.78
* 8535.000	270.00	667.30	625.10	570.00	618.10	624.12	624.12	17.51	1646.85	1770.02	32.55	0.80
8542.000	7.60	0.0	0.0	150.00	618.41	622.84	0.0	2.36	1144.71	1209.50	83.98	0.0
8542.000	7.60	0.0	0.0	260.00	618.41	624.68	0.0	1.59	1100.73	1238.81	266.75	1.85
8542.000	7.60	0.0	0.0	340.00	618.41	625.86	0.0	1.28	1083.53	1249.38	443.78	1.18
8542.000	7.60	0.0	0.0	570.00	618.41	629.35	0.0	0.80	1041.59	1272.66	1146.48	3.49
8550.000	7.60	0.0	0.0	150.00	618.70	622.84	0.0	2.79	1151.58	1205.80	67.22	0.0
8550.000	7.60	0.0	0.0	260.00	618.70	624.68	0.0	1.81	1107.52	1230.06	230.33	1.44
8550.000	7.60	0.0	0.0	340.00	618.70	625.86	0.0	1.43	1087.65	1245.59	397.14	1.18
8550.000	7.60	0.0	0.0	570.00	618.70	629.35	0.0	0.85	1043.72	1270.75	1080.16	3.49
* 9387.000	837.00	0.0	0.0	150.00	629.00	631.58	631.58	7.22	1127.63	1140.74	20.79	0.0
* 9387.000	837.00	0.0	0.0	260.00	629.00	632.37	632.37	8.06	1125.94	1142.09	32.25	0.78
* 9387.000	837.00	0.0	0.0	340.00	629.00	632.79	632.79	8.63	1125.03	1142.80	39.38	0.42
* 9387.000	837.00	0.0	0.0	570.00	629.00	633.92	633.92	6.66	1039.56	1191.07	135.78	1.13
* 9403.000	16.00	0.0	0.0	150.00	629.80	632.62	632.62	6.72	1111.39	1135.91	27.16	0.0
* 9403.000	16.00	0.0	0.0	260.00	629.80	633.18	633.18	7.62	1108.19	1139.87	42.77	0.56
9403.000	16.00	0.0	0.0	340.00	629.80	633.98	633.50	6.01	1040.87	1145.58	73.01	0.80
* 9403.000	16.00	0.0	0.0	570.00	629.80	634.47	634.47	7.64	1039.40	1255.52	98.87	0.50
* 9404.000	1.00	633.60	632.80	150.00	629.80	634.93	634.93	4.64	1038.03	1258.06	73.98	0.0
* 9404.000	1.00	633.60	632.80	260.00	629.80	635.11	635.11	5.29	1037.50	1259.07	113.13	0.18
* 9404.000	1.00	633.60	632.80	340.00	629.80	635.20	635.20	5.71	1037.22	1259.57	133.40	0.09
* 9404.000	1.00	633.60	632.80	570.00	629.80	635.31	635.31	7.88	1036.92	1260.14	156.30	0.10
65+63 Culvert Under Park												
* 9722.000	318.00	636.00	635.00	150.00	632.00	636.37	636.37	5.42	1115.16	1237.35	52.84	0.0
9722.000	318.00	636.00	635.00	260.00	632.00	636.63	0.0	5.84	1113.87	1240.87	85.13	0.26
9722.000	318.00	636.00	635.00	340.00	632.00	636.79	0.0	5.91	1113.04	1243.12	106.50	0.16
9722.000	318.00	636.00	635.00	570.00	632.00	637.28	0.0	5.49	1110.58	1249.78	172.57	0.49
9723.000	1.00	0.0	0.0	150.00	632.00	636.68	0.0	1.31	1113.57	1241.66	164.24	0.0
9723.000	1.00	0.0	0.0	260.00	632.00	636.91	0.0	1.89	1112.43	1244.77	194.05	0.23
9723.000	1.00	0.0	0.0	340.00	632.00	637.05	0.0	2.23	1111.74	1246.64	212.49	0.14
9723.000	1.00	0.0	0.0	570.00	632.00	637.45	0.0	2.96	1109.72	1253.89	268.49	0.40
9728.000	5.00	0.0	0.0	150.00	632.20	636.65	0.0	2.26	1113.73	1241.25	104.87	0.0
9728.000	5.00	0.0	0.0	260.00	632.20	636.87	0.0	2.99	1112.64	1244.19	132.94	0.22
9728.000	5.00	0.0	0.0	340.00	632.20	637.00	0.0	3.37	1111.97	1246.01	150.73	0.13
9728.000	5.00	0.0	0.0	570.00	632.20	637.41	0.0	3.80	1109.95	1252.75	206.49	0.41
* 9733.000	5.00	0.0	0.0	150.00	632.20	636.59	636.59	11.11	1229.30	1232.80	13.51	0.0
* 9733.000	5.00	0.0	0.0	260.00	632.20	637.81	637.81	5.03	1133.81	1248.18	80.49	1.22
* 9733.000	5.00	0.0	0.0	340.00	632.20	637.95	637.95	5.22	1130.13	1251.62	96.94	0.14
* 9733.000	5.00	0.0	0.0	570.00	632.20	638.09	638.09	7.13	1126.61	1255.55	113.69	0.13

SECCNO	XLCH	ELTRD	ELLCC	Q	ELMIN	CWSEL	CRIMS	VCH	SSTA	ENDST	AREA	DIFWSP
9734.000	1.00	636.90	635.70	150.00	632.20	637.57	637.57	4.55	1140.22	1242.94	47.34	0.0
9734.000	1.00	636.90	635.70	260.00	632.20	637.89	0.0	3.83	1132.01	1249.64	81.70	0.32
9734.000	1.00	636.90	635.70	340.00	632.20	637.98	0.0	4.27	1129.79	1252.00	91.84	0.09
9734.000	1.00	636.90	635.70	570.00	632.20	638.10	638.09	5.79	1126.52	1255.66	107.46	0.12
9833.000	99.00	639.40	638.20	150.00	634.70	640.07	640.07	4.54	1140.25	1242.92	47.24	0.0
9833.000	99.00	639.40	638.20	260.00	634.70	640.30	640.30	4.46	1134.12	1247.93	72.45	0.23
9833.000	99.00	639.40	638.20	340.00	634.70	640.29	640.29	6.01	1134.47	1247.64	70.93	-0.01
9833.000	99.00	639.40	638.20	570.00	634.70	640.58	640.58	5.81	1126.71	1255.44	106.52	0.29
9834.000	1.00	634.70	634.70	150.00	634.70	640.08	0.0	4.47	1139.86	1243.23	59.45	0.0
9834.000	1.00	634.70	634.70	260.00	634.70	640.31	0.0	5.02	1133.78	1248.20	80.63	0.23
9834.000	1.00	634.70	634.70	340.00	634.70	640.58	640.35	4.26	1126.67	1235.49	113.42	0.27
9834.000	1.00	634.70	634.70	570.00	634.70	640.91	640.55	4.60	1117.81	1265.39	159.96	0.33
9855.000	22.00	634.80	634.80	150.00	634.80	640.31	0.0	0.98	1099.85	1257.55	207.51	0.0
9855.000	22.00	634.80	634.80	260.00	634.80	640.57	0.0	1.44	1097.18	1258.25	248.18	0.26
9855.000	22.00	634.80	634.80	340.00	634.80	640.76	0.0	1.67	1095.15	1258.79	279.67	0.19
9855.000	22.00	634.80	634.80	570.00	634.80	641.14	0.0	2.26	1091.24	1259.81	341.63	0.37
9900.000	44.00	632.40	632.40	150.00	632.40	640.12	0.0	3.96	1220.30	1225.80	37.87	0.0
9900.000	44.00	632.40	632.40	260.00	632.40	639.92	0.0	7.07	1220.30	1225.80	36.78	-0.19
9900.000	44.00	632.40	632.40	340.00	632.40	639.45	0.0	9.92	1220.30	1225.80	34.27	-0.47
9900.000	44.00	632.40	632.40	570.00	632.40	641.49	641.49	7.15	1115.98	1228.48	116.40	2.03
9992.000	92.00	640.40	638.70	150.00	633.20	640.31	0.0	7.08	1220.30	1225.80	21.18	0.0
9992.000	92.00	640.40	638.70	260.00	633.20	640.35	0.0	7.48	1220.30	1225.80	34.77	0.04
9992.000	92.00	640.40	638.70	340.00	633.20	638.96	638.92	12.54	1220.30	1225.80	27.10	-1.39
9992.000	92.00	640.40	638.70	570.00	633.20	642.51	0.0	5.76	1109.02	1235.20	143.00	3.55
10052.000	60.00	635.20	635.20	150.00	635.20	641.45	0.0	1.08	1105.33	1194.00	156.66	0.0
10052.000	60.00	635.20	635.20	260.00	635.20	641.67	0.0	1.68	1099.01	1194.45	175.94	0.21
10052.000	60.00	635.20	635.20	340.00	635.20	642.32	0.0	1.53	1087.98	1195.90	243.26	0.66
10052.000	60.00	635.20	635.20	570.00	635.20	643.04	0.0	1.82	1075.92	1197.48	326.25	0.72
10282.000	230.00	641.71	641.71	150.00	638.00	641.71	0.0	5.01	1119.92	1135.20	29.94	0.0
10282.000	230.00	641.71	641.71	260.00	638.00	642.38	0.0	6.31	1118.65	1136.51	41.22	0.68
10282.000	230.00	641.71	641.71	340.00	638.00	642.40	0.0	8.17	1118.61	1136.55	41.61	0.02
10282.000	230.00	641.71	641.71	570.00	638.00	643.34	643.34	9.49	1116.85	1138.35	60.04	0.94
10302.000	20.00	643.09	643.09	150.00	639.50	643.09	643.09	9.31	1103.00	1109.00	16.11	0.0
10302.000	20.00	643.09	643.09	260.00	639.50	644.26	644.26	11.23	1103.00	1109.00	23.16	1.17
10302.000	20.00	643.09	643.09	340.00	639.50	645.01	645.01	12.29	1103.00	1109.00	27.67	0.75
10302.000	20.00	643.09	643.09	570.00	639.50	646.93	646.93	14.55	1103.00	1109.00	39.17	1.92
10303.000	1.00	645.50	645.50	150.00	639.50	643.09	643.09	9.94	1103.00	1109.00	15.09	0.0
10303.000	1.00	645.50	645.50	260.00	639.50	644.44	644.44	11.66	1103.00	1109.00	22.30	1.44
10303.000	1.00	645.50	645.50	340.00	639.50	644.64	644.64	14.58	1103.00	1109.00	23.32	0.20
10303.000	1.00	645.50	645.50	570.00	639.50	645.50	645.50	22.62	1103.00	1109.00	25.20	0.86
10512.000	209.00	653.70	650.80	150.00	644.80	648.30	648.30	9.94	1103.00	1109.00	15.09	0.0
10512.000	209.00	653.70	650.80	260.00	644.80	649.74	649.74	11.66	1103.00	1109.00	22.30	1.44
10512.000	209.00	653.70	650.80	340.00	644.80	654.89	0.0	10.51	1103.00	1109.00	32.34	5.15
10512.000	209.00	653.70	650.80	570.00	644.80	660.40	0.0	6.18	1042.31	1142.05	146.96	5.52

97+83

97+83

Hawthorne

Street

104+30

Lot

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRIWS	VCH	SSTA	ENDST	AREA	DIFWSP
10513.000	1.00	0.0	0.0	150.00	644.80	649.41	648.37	6.72	1103.00	1109.00	22.33	0.0
10513.000	1.00	0.0	0.0	260.00	644.80	651.32	649.57	7.70	1103.00	1109.00	33.75	1.91
10513.000	1.00	0.0	0.0	340.00	644.80	656.61	0.0	5.20	1103.00	1109.00	65.44	5.29
10513.000	1.00	0.0	0.0	570.00	644.80	660.76	0.0	3.95	1035.57	1142.77	206.57	4.16
10588.000	75.00	0.0	0.0	150.00	645.40	650.61	0.0	1.41	1117.51	1155.07	106.82	0.0
10588.000	75.00	0.0	0.0	260.00	645.40	652.66	0.0	1.35	1102.59	1163.42	204.76	2.05
10588.000	75.00	0.0	0.0	340.00	645.40	657.16	0.0	0.65	1025.40	1176.12	713.17	4.51
10588.000	75.00	0.0	0.0	570.00	645.40	660.99	0.0	0.60	1000.00	1183.00	1374.76	3.83

SUMMARY OF ERRORS

CAUTION	SECNO= 3997.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 3997.000	PROFILE= 1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 3997.000	PROFILE= 1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 3997.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 3997.000	PROFILE= 2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 3997.000	PROFILE= 2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 3997.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 3997.000	PROFILE= 3	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 3997.000	PROFILE= 3	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 3997.000	PROFILE= 4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 3997.000	PROFILE= 4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 3997.000	PROFILE= 4	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 5400.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 5400.000	PROFILE= 1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 5400.000	PROFILE= 1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 5400.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 5400.000	PROFILE= 2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 5400.000	PROFILE= 2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 5400.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 5400.000	PROFILE= 3	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 5400.000	PROFILE= 3	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 6150.000	PROFILE= 4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 6150.000	PROFILE= 4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 6150.000	PROFILE= 4	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 6200.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 6200.000	PROFILE= 1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 6200.000	PROFILE= 1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 6200.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 6200.000	PROFILE= 2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 6200.000	PROFILE= 2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 6200.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 6200.000	PROFILE= 3	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 6200.000	PROFILE= 3	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 6200.000	PROFILE= 4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 6200.000	PROFILE= 4	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 6200.000	PROFILE= 4	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO= 6320.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO= 6320.000	PROFILE= 1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO= 6320.000	PROFILE= 1	20 TRIALS ATTEMPTED TO BALANCE WSEL

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

T1 STOWE BRANCH CITY OF BELMONT
 T2 GASTON CO. FYS JOB # 207022
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-1.	4.	0.	0.	0.0	0.0	0.0	0.	554.130	0.0
J2	NPROF	IPLOT	PRFVS	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									
	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	0.100	0.100	0.040	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	420.000	730.000	920.000	1490.000	920.000	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	1000.000	17.000	1023.000	1447.000	1000.000	1000.000	1000.000	0.0	0.0	0.0
GR	572.200	1000.000	570.400	1023.000	565.200	1091.000	562.200	1125.000	556.800	1150.000
GR	555.200	1175.000	554.500	1200.000	553.700	1225.000	553.600	1250.000	553.100	1275.000
GR	552.800	1300.000	552.300	1325.000	551.700	1350.000	551.300	1375.000	565.000	1440.000
GR	570.000	1447.000	572.200	1450.000	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	1120.000	1239.000	0.0	0.0
X1	1900.000	13.000	1072.000	1285.000	900.000	900.000	900.000	0.0	0.0	0.0
GR	577.100	1000.000	571.200	1042.000	568.200	1072.000	565.200	1087.000	563.400	1100.000
GR	559.100	1125.000	557.800	1150.000	557.700	1175.000	557.400	1200.000	557.900	1225.000
GR	564.600	1275.000	570.500	1285.000	574.400	1292.000	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	-4.400	0.0	0.0	0.0	0.0
X1	3775.000	16.000	1069.800	1102.500	1875.000	1875.000	1875.000	0.0	0.0	0.0
GR	581.800	1000.000	576.300	1050.000	572.500	1069.800	566.600	1084.400	565.100	1087.800
GR	566.600	1094.000	570.300	1102.500	570.600	1150.000	569.500	1200.000	570.500	1250.000
GR	571.700	1300.000	570.100	1350.000	570.700	1400.000	570.500	1417.000	580.000	1450.000
GR	582.500	1460.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	3786.000	0.0	0.0	0.0	11.000	11.000	11.000	0.0	-0.450	0.0
NC	0.100	0.100	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	3802.000	36.000	1596.700	1605.300	16.300	16.300	16.300	0.0	0.0	0.0
GR	621.400	1000.000	621.000	1050.000	620.600	1100.000	620.200	1150.000	619.700	1200.000
GR	610.200	1250.000	610.700	1300.000	609.800	1350.000	609.400	1400.000	608.900	1450.000

GR	571.200	1400.000	570.600	1402.900	568.700	1444.500	568.600	1450.000	568.500	1500.000
GR	568.400	1550.000	558.300	1596.700	565.200	1597.900	564.400	1600.000	564.000	1601.000
GR	565.200	1604.100	568.300	1605.300	568.500	1650.000	568.700	1694.500	568.800	1700.000
GR	570.000	1744.500	570.200	1750.000	571.600	1791.500	572.800	1800.000	580.100	1850.000
GR	582.700	1867.500	612.500	1900.000	612.400	1950.000	612.200	2000.000	611.800	2050.000
GR	611.500	2100.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SR	0.900	3.200	2.500	0.0	6.800	0.0	59.000	0.0	565.200	564.000
ET	5.000	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0

X1	3997.000	38.000	1596.700	1605.300	195.000	195.000	195.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	573.900	611.500	0.0	0.0	0.0	0.0	0.0
BT	29.000	1000.000	621.400	0.0	1050.000	621.000	0.0	1100.000	620.600	0.0
BT	1150.000	620.200	0.0	1200.000	619.700	0.0	1250.000	619.200	0.0	1300.000
BT	618.700	0.0	1350.000	618.000	0.0	1400.000	617.500	0.0	1450.000	617.000
BT	0.0	1500.000	616.400	0.0	1550.000	615.900	0.0	1596.600	615.400	0.0
BT	1596.700	615.400	569.600	1597.900	615.300	572.600	1601.000	615.300	573.900	1604.100
BT	615.300	572.600	1605.300	615.300	596.600	1605.400	615.300	0.0	1650.000	614.800
BT	0.0	1700.000	614.200	0.0	1750.000	613.800	0.0	1800.000	613.300	0.0
BT	1850.000	612.900	0.0	1900.000	612.500	0.0	1950.000	612.400	0.0	2000.000
BT	612.200	0.0	2050.000	611.800	0.0	2100.000	611.500	0.0	0.0	0.0
GR	621.400	1000.000	621.000	1050.000	620.600	1100.000	620.200	1150.000	619.700	1200.000
GR	619.200	1250.000	618.700	1300.000	582.200	1344.500	581.200	1350.000	573.500	1394.500
GR	572.400	1400.000	571.900	1402.900	569.900	1444.500	569.900	1450.000	569.800	1500.000
GR	569.700	1550.000	569.600	1596.600	569.600	1596.700	566.500	1597.900	565.700	1600.000
GR	565.200	1601.000	566.500	1604.100	569.600	1605.300	569.600	1605.400	569.800	1650.000
GR	569.900	1694.500	570.100	1700.000	571.300	1744.500	571.500	1750.000	572.800	1791.500
GR	574.100	1800.000	581.400	1850.000	583.900	1867.500	612.500	1900.000	612.400	1950.000
GR	612.200	2000.000	611.800	2050.000	611.500	2100.000	0.0	0.0	0.0	0.0
NC	0.100	0.100	0.040	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	4014.000	19.000	1241.000	1265.000	17.000	17.000	17.000	0.0	-0.490	0.0
GR	583.200	1000.000	574.500	1050.000	572.900	1058.400	570.900	1100.000	570.200	1150.000
GR	570.100	1192.500	571.700	1200.000	573.800	1215.000	569.300	1226.000	569.800	1241.000
GR	567.500	1246.000	566.200	1256.500	567.500	1258.000	570.400	1265.000	570.100	1300.000
GR	570.900	1350.000	572.300	1400.000	573.800	1447.000	584.900	1523.000	0.0	0.0

X1	4030.000	0.0	0.0	0.0	16.000	16.000	16.000	0.0	0.490	0.0
QT	5.000	220.000	390.000	500.000	830.000	500.000	0.0	0.0	0.0	0.0

X1	5400.000	14.000	1120.000	1148.000	1370.000	1370.000	1370.000	0.0	0.0	0.0
GR	600.800	1000.000	601.600	1005.000	601.600	1019.000	601.000	1032.500	600.200	1038.000
GR	595.900	1050.000	584.600	1073.500	582.700	1100.000	582.900	1120.000	579.000	1129.500
GR	578.200	1134.000	579.000	1140.500	585.200	1148.000	594.100	1188.000	0.0	0.0

X1	6150.000	0.0	0.0	0.0	750.000	750.000	750.000	0.0	9.100	0.0
NC	0.100	0.100	0.015	0.100	0.300	0.0	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	-7.100	1645.000	2050.000	0.0	0.0

X1	6200.000	42.000	2038.000	2050.000	50.000	50.000	50.000	0.0	0.0	0.0
GR	605.600	1000.000	602.100	1096.000	602.000	1100.000	601.600	1112.500	599.500	1200.000
GR	598.700	1300.000	598.800	1400.000	599.800	1500.000	597.000	1569.000	595.200	1600.000
GR	594.100	1619.000	592.600	1669.000	592.500	1700.000	592.400	1719.000	592.900	1769.000
GP	593.400	1800.000	593.600	1819.000	592.800	1869.000	592.200	1900.000	591.800	1919.000
GR	593.100	1969.000	593.700	2000.000	594.100	2019.000	593.900	2027.000	590.400	2030.000
GR	588.600	2038.700	587.900	2040.500	588.600	2042.000	590.400	2043.000	590.400	2045.000
GR	588.600	2045.700	587.900	2047.500	588.600	2049.300	590.400	2050.000	594.200	2052.000
GR	595.400	2069.000	596.700	2100.000	597.100	2109.000	601.600	2119.000	608.900	2162.000
GR	623.200	2200.000	624.400	2220.000	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	7.800	0.0	39.000	0.0	587.900	588.500

BT	597.200	1178.000	601.300	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GR	597.700	1000.000	597.400	1013.500	597.600	1050.000	597.700	1079.000	596.000	1079.500
GR	592.900	1096.500	597.400	1096.500	597.000	1097.000	597.000	1097.500	592.900	1097.500
GR	592.600	1100.000	591.400	1108.000	596.600	1112.500	597.000	1112.500	597.000	1113.000
GR	597.000	1113.500	596.200	1113.500	597.200	1166.000	601.300	1178.000	0.0	0.0
X1	6603.000	0.0	0.0	0.0	1.000	1.000	1.000	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	-7.100	1024.000	1212.000	0.0	0.0
X1	6608.000	12.000	1127.000	1154.000	5.000	5.000	5.000	0.0	-0.160	0.0
GR	607.500	1000.000	596.500	1026.000	595.500	1050.000	594.600	1100.000	593.000	1127.000
GR	590.800	1146.000	589.800	1152.000	590.500	1154.000	595.000	1154.000	595.900	1200.000
GR	597.200	1212.000	609.900	1240.500	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	1025.000	1212.000	0.0	0.0
X1	6615.000	0.0	0.0	0.0	7.100	7.100	7.100	0.0	0.160	0.0
NC	0.090	0.090	0.090	0.100	0.300	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	7700.000	9.000	1080.000	1106.500	1085.000	1085.000	1085.000	0.0	0.0	0.0
GR	624.100	1000.000	616.200	1050.000	611.500	1080.000	604.400	1088.000	603.800	1094.000
GR	604.300	1100.000	607.800	1106.500	611.900	1150.000	620.800	1200.000	0.0	0.0
X1	7710.000	0.0	0.0	0.0	9.900	9.900	9.900	0.0	1.020	0.0
NC	0.090	0.090	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	7720.000	17.000	1136.000	1142.000	9.900	9.900	9.900	0.0	0.0	0.0
GR	625.000	1000.000	621.000	1050.000	618.200	1095.000	617.500	1100.000	613.600	1125.000
GR	608.800	1136.000	606.700	1136.900	605.800	1139.000	606.700	1141.100	608.800	1142.000
GR	609.700	1150.000	609.900	1151.500	614.000	1195.000	614.800	1200.000	622.900	1245.000
GR	627.800	1250.000	630.400	1271.000	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.900	1.500	2.500	0.0	4.700	0.0	28.000	0.0	606.500	605.800
X1	7780.000	16.000	1136.000	1142.000	60.000	60.000	60.000	0.0	-0.010	0.0
X2	0.0	0.0	1.000	612.500	618.200	0.0	0.0	0.0	0.0	0.0
BT	12.000	1000.000	625.000	0.0	1050.000	621.000	0.0	1100.000	618.700	0.0
BT	1136.000	618.200	609.500	1136.900	618.200	611.600	1139.000	618.200	612.500	1141.100
BT	618.200	611.600	1142.000	618.300	609.500	1150.000	618.500	0.0	1200.000	622.300
BT	0.0	1250.000	627.800	0.0	1271.000	630.400	0.0	0.0	0.0	0.0
GR	625.000	1000.000	621.000	1050.000	618.700	1100.000	614.200	1125.000	609.500	1136.000
GR	607.300	1136.900	606.500	1139.000	607.300	1141.100	609.500	1142.000	610.400	1150.000
GR	610.500	1151.500	614.600	1195.000	615.500	1200.000	623.500	1245.000	627.800	1250.000
GR	630.400	1271.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.090	0.090	0.090	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	7790.000	9.000	1080.000	1106.500	9.900	9.900	9.900	0.0	3.730	0.0
GR	624.100	1000.000	616.200	1050.000	611.500	1080.000	604.400	1088.000	603.800	1094.000
GR	604.300	1100.000	607.800	1106.500	611.900	1150.000	620.800	1200.000	0.0	0.0
X1	7800.000	0.0	0.0	0.0	9.900	9.900	9.900	0.0	1.020	0.0
NC	0.090	0.090	0.080	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	150.000	260.000	340.000	570.000	340.000	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	7.100	1124.120	1209.830	0.0	0.0
X1	8250.000	12.000	1182.000	1200.000	450.000	450.000	450.000	0.0	-4.050	0.0

GR	618.900	1187.000	618.700	1188.500	618.900	1191.000	622.400	1200.000	626.200	1250.000
GR	633.800	1300.000	637.400	1319.500	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.100	0.100	0.025	0.100	0.300	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	8258.000	0.0	0.0	0.0	7.600	7.600	7.600	0.0	0.290	0.0
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X1	8265.000	39.000	1724.500	1731.500	7.600	7.600	7.600	0.0	0.0	0.0
GR	675.400	1000.000	678.200	1050.000	681.200	1100.000	683.700	1150.000	685.900	1200.000
GR	687.200	1234.000	687.700	1250.000	689.100	1300.000	690.200	1350.000	690.900	1400.000
GR	691.200	1450.000	691.000	1500.000	631.800	1539.500	630.400	1550.000	625.000	1589.500
GR	624.300	1600.000	621.500	1639.500	621.100	1650.000	619.400	1689.500	619.200	1700.000
GR	616.700	1724.500	616.200	1725.500	615.200	1728.000	616.200	1730.500	618.700	1731.500
GR	618.900	1739.500	619.700	1750.000	622.700	1789.500	624.300	1800.000	630.300	1839.500
GR	632.200	1850.000	633.900	1859.000	678.900	1900.000	676.800	1950.000	674.700	2000.000
GR	672.500	2050.000	670.600	2100.000	668.900	2150.000	667.300	2200.000	0.0	0.0
SB	0.900	4.000	2.500	0.0	5.500	0.0	39.000	0.0	618.100	615.200

X1	8535.000	39.000	1724.500	1731.500	270.000	270.000	270.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	625.100	667.300	0.0	0.0	0.0	0.0	0.0
BT	31.000	1000.000	675.400	0.0	1050.000	678.200	0.0	1100.000	681.200	0.0
BT	1150.000	683.700	0.0	1200.000	685.900	0.0	1234.000	687.200	0.0	1250.000
BT	687.700	0.0	1300.000	689.100	0.0	1350.000	690.200	0.0	1400.000	690.900
BT	0.0	1450.000	691.200	0.0	1500.000	691.000	0.0	1550.000	690.500	0.0
BT	1600.000	689.700	0.0	1650.000	688.500	0.0	1700.000	687.000	0.0	1724.500
BT	686.000	621.600	1725.500	686.000	624.100	1728.000	685.900	625.100	1730.500	685.800
BT	624.100	1731.500	685.800	621.600	1750.000	685.100	0.0	1800.000	683.000	0.0
BT	1850.000	680.900	0.0	1900.000	678.900	0.0	1950.000	676.800	0.0	2000.000
BT	674.700	0.0	2050.000	672.500	0.0	2100.000	670.600	0.0	2150.000	668.900
BT	0.0	2200.000	667.300	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GR	675.400	1000.000	678.200	1050.000	681.200	1100.000	683.700	1150.000	685.900	1200.000
GR	687.200	1234.000	687.700	1250.000	689.100	1300.000	690.200	1350.000	690.900	1400.000
GR	691.200	1450.000	691.000	1500.000	634.700	1539.500	633.300	1550.000	627.900	1589.500
GR	627.200	1600.000	624.400	1639.500	624.000	1650.000	622.300	1689.500	622.100	1700.000
GR	621.600	1724.500	619.100	1725.500	618.100	1728.000	619.100	1730.500	621.600	1731.500
GR	621.800	1739.500	622.800	1750.000	625.600	1789.500	627.200	1800.000	633.200	1839.500
GR	635.100	1850.000	636.800	1859.000	678.900	1900.000	676.800	1950.000	674.700	2000.000
GR	672.500	2050.000	670.600	2100.000	668.900	2150.000	667.300	2200.000	0.0	0.0
NC	0.090	0.090	0.070	0.100	0.300	0.0	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	-7.100	1084.000	1249.000	0.0	0.0

X1	8542.000	12.000	1182.000	1200.000	7.600	7.600	7.600	0.0	-0.290	0.0
GR	635.300	1000.000	628.500	1050.000	625.000	1100.000	622.900	1150.000	621.700	1182.000
GR	618.900	1187.000	618.700	1188.500	618.900	1191.000	622.400	1200.000	626.200	1250.000
GR	633.800	1300.000	637.400	1319.500	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	1128.000	1228.000	0.0	0.0

X1	8550.000	0.0	0.0	0.0	7.600	7.600	7.600	0.0	0.290	0.0
NC	0.060	0.060	0.050	0.100	0.300	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	9337.000	12.000	1125.000	1143.000	837.000	837.000	837.000	0.0	0.0	0.0
GR	645.400	1000.000	633.500	1041.000	633.000	1055.000	633.300	1100.000	632.800	1125.000
GR	629.100	1133.000	629.000	1134.500	629.000	1136.500	632.900	1143.000	633.100	1188.000
GR	636.300	1200.000	645.400	1236.000	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.035	0.035	0.035	0.300	0.000	0.0	0.0	0.0	0.0	0.0

X1	9403.000	20.000	1119.000	1126.500	16.000	16.000	16.000	0.0	0.0	0.0
GR	647.700	1000.000	637.600	1042.000	634.500	1048.000	634.600	1100.000	634.700	1119.000

GR	630.000	1119.800	629.800	1120.500	630.000	1121.200	631.300	1122.000	631.300	1123.500
GR	630.000	1124.300	629.800	1125.000	630.000	1125.700	631.300	1126.500	634.600	1150.000
GR	635.000	1200.000	634.700	1250.000	634.200	1254.000	636.000	1264.000	647.700	1290.000
NV	3.000	0.014	629.800	0.014	632.800	0.035	650.000	0.0	0.0	0.0
X1	9404.000	0.0	0.0	0.0	1.000	1.000	1.000	0.0	0.0	0.0
BT	20.000	1000.000	647.700	0.0	1042.000	633.600	0.0	1048.000	634.500	0.0
BT	1100.000	634.600	0.0	1119.000	634.500	631.300	1119.800	634.500	632.600	1120.500
BT	634.500	632.800	1121.200	634.500	632.600	1122.000	634.500	631.300	1123.500	634.500
BT	631.300	1124.300	634.500	632.600	1125.000	634.500	632.800	1125.700	634.500	632.600
BT	1126.500	634.500	631.300	1150.000	634.600	0.0	1200.000	635.000	0.0	1250.000
BT	634.700	0.0	1254.000	634.200	0.0	1264.000	636.000	0.0	1290.000	647.700
BT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NV	3.000	0.014	632.000	0.014	635.000	0.035	650.000	0.0	0.0	0.0
X1	9722.000	24.000	1168.000	1175.500	318.000	318.000	318.000	0.0	0.0	0.0
BT	16.000	1000.000	648.000	0.0	1050.000	641.300	0.0	1100.000	639.400	0.0
BT	1117.000	636.000	0.0	1128.000	636.300	0.0	1150.000	636.100	0.0	1168.000
BT	636.200	633.500	1168.800	636.200	634.800	1169.500	636.200	635.000	1170.200	636.200
BT	634.800	1171.000	636.200	633.500	1172.500	636.200	633.500	1173.300	636.200	634.800
BT	1174.000	636.200	635.000	1174.700	636.200	634.800	1175.500	636.200	633.500	0.0
GR	648.000	1000.000	641.300	1050.000	639.400	1100.000	636.000	1117.000	636.300	1128.000
GR	636.100	1150.000	633.500	1168.000	632.200	1168.800	632.000	1169.500	632.200	1170.200
GR	633.500	1171.000	633.500	1172.500	632.200	1173.500	632.000	1174.000	632.200	1174.700
GR	633.500	1175.500	636.000	1200.000	635.900	1216.000	634.900	1223.000	635.900	1231.000
GR	637.300	1250.000	639.300	1300.000	644.400	1368.000	648.000	1387.000	0.0	0.0
NC	0.035	0.035	0.035	0.300	0.100	0.0	0.0	0.0	0.0	0.0
X1	9723.000	0.0	0.0	0.0	1.000	1.000	1.000	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	7.100	1129.000	1229.000	0.0	0.0
X1	9728.000	10.000	1168.000	1175.000	5.000	5.000	5.000	0.0	0.0	0.0
GR	648.000	1000.000	641.300	1050.000	639.400	1100.000	636.000	1117.000	636.300	1128.000
GR	636.100	1150.000	636.100	1168.000	632.200	1168.000	632.200	1175.000	636.100	1175.000
GR	636.100	1200.000	635.900	1216.000	634.900	1223.000	635.900	1231.000	637.300	1250.000
GR	639.300	1300.000	644.400	1368.000	648.000	1387.000	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	9733.000	24.000	1229.300	1232.800	5.000	5.000	5.000	0.0	0.0	0.0
GR	649.100	1000.000	643.100	1050.000	642.000	1072.000	640.600	1078.000	641.000	1083.000
GR	639.100	1100.000	637.200	1150.000	636.900	1174.000	637.400	1200.000	637.100	1229.300
GR	634.000	1229.300	632.500	1230.000	632.200	1231.000	632.500	1232.000	634.000	1232.800
GR	637.100	1232.800	637.900	1250.000	639.600	1300.000	642.000	1333.000	641.900	1346.000
GR	642.400	1378.000	642.900	1418.000	643.100	1420.000	648.100	1435.000	0.0	0.0
NV	3.000	0.027	632.200	0.027	635.700	0.035	650.000	0.0	0.0	0.0
X1	9734.000	0.0	0.0	0.0	1.000	1.000	1.000	0.0	0.0	0.0
BT	22.000	1000.000	649.100	0.0	1050.000	643.100	0.0	1072.000	642.000	0.0
BT	1078.000	640.600	0.0	1083.000	641.000	0.0	1100.000	639.100	0.0	1150.000
BT	637.200	0.0	1174.000	636.900	0.0	1200.000	637.400	0.0	1229.300	637.100
BT	634.000	1230.000	637.100	635.400	1231.000	637.100	635.700	1232.000	637.100	635.400
BT	1232.800	637.100	634.000	1250.000	637.900	0.0	1300.000	639.600	0.0	1333.000
BT	642.000	0.0	1346.000	641.900	0.0	1378.000	642.400	0.0	1418.000	642.900
BT	0.0	1420.000	643.100	0.0	1435.000	648.100	0.0	0.0	0.0	0.0
NV	3.000	0.027	634.700	0.027	638.200	0.035	650.000	0.0	0.0	0.0
X1	9833.000	0.0	0.0	0.0	99.000	99.000	99.000	0.0	2.500	0.0
BT	22.000	1000.000	651.600	0.0	1050.000	645.600	0.0	1072.000	644.500	0.0
BT	1078.000	640.600	0.0	1083.000	643.100	0.0	1100.000	639.100	0.0	1150.000
BT	637.200	0.0	1174.000	636.900	0.0	1200.000	637.400	0.0	1229.300	637.100
BT	634.000	1230.000	637.100	635.400	1231.000	637.100	635.700	1232.000	637.100	635.400
BT	1232.800	637.100	634.000	1250.000	637.900	0.0	1300.000	639.600	0.0	1333.000
BT	642.000	0.0	1346.000	641.900	0.0	1378.000	642.400	0.0	1418.000	642.900
BT	0.0	1420.000	643.100	0.0	1435.000	648.100	0.0	0.0	0.0	0.0
NV	3.000	0.027	634.700	0.027	638.200	0.035	650.000	0.0	0.0	0.0

BT	639.700	0.0	1174.000	639.400	0.0	1200.000	639.900	0.0	1229.300	639.600
BT	636.500	1230.000	639.600	637.900	1231.000	639.600	638.200	1232.000	639.600	637.900
BT	1232.800	639.600	636.500	1250.000	640.400	0.0	1300.000	642.100	0.0	1333.000
BT	644.500	0.0	1346.000	644.400	0.0	1378.000	644.900	0.0	1418.000	645.400
BT	0.0	1420.000	645.600	0.0	1435.000	650.600	0.0	0.0	0.0	0.0
NC	0.035	0.035	0.035	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	-5.400	0.0	0.0	0.0	0.0

X1	9834.000	0.0	0.0	0.0	1.000	1.000	1.000	0.0	0.0	0.0
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X1	9856.000	22.000	1223.000	1263.000	22.000	22.000	22.000	0.0	0.0	0.0
GR	650.600	1000.000	644.900	1050.000	643.200	1071.000	641.800	1076.000	642.400	1078.000
GR	640.300	1100.000	639.200	1150.000	639.300	1170.000	639.900	1200.000	639.400	1223.000
GR	635.000	1231.000	634.800	1233.000	635.300	1235.000	636.100	1246.000	642.300	1263.000
GR	642.100	1273.000	642.500	1297.000	642.000	1322.000	642.400	1325.000	645.300	1350.000
GR	648.000	1400.000	653.100	1444.000	0.0	0.0	0.0	0.0	0.0	0.0

X1	9900.000	19.000	1220.300	1225.800	44.000	44.000	44.000	0.0	0.0	0.0
GR	651.500	1000.000	645.800	1050.000	642.000	1100.000	640.400	1150.000	640.800	1200.000
GR	641.400	1220.300	635.200	1220.300	633.300	1221.000	632.400	1223.000	633.300	1225.000
GR	635.200	1225.800	641.400	1225.800	642.800	1268.000	642.900	1287.000	642.800	1300.000
GR	643.400	1350.000	646.100	1400.000	649.000	1450.000	651.500	1492.000	0.0	0.0
SB	0.900	1.500	2.500	0.0	4.300	0.0	24.000	0.0	633.200	632.400

X1	9992.000	0.0	0.0	0.0	92.000	92.000	92.000	0.0	0.800	0.0
X2	0.0	0.0	1.000	638.700	640.400	0.0	0.0	0.0	0.0	0.0
BT	17.000	1000.000	651.500	0.0	1050.000	645.800	0.0	1100.000	642.000	0.0
BT	1150.000	640.400	0.0	1200.000	640.800	0.0	1220.300	641.400	636.000	1221.000
BT	641.400	637.800	1223.000	641.400	638.700	1225.000	641.400	637.800	1225.800	641.400
BT	636.000	1268.000	642.800	0.0	1287.000	642.900	0.0	1303.000	642.800	0.0
BT	1350.000	643.400	0.0	1400.000	646.100	0.0	1450.000	649.000	0.0	1492.000
BT	651.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.860	0.090	0.090	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	-10.400	0.0	0.0	0.0	0.0

X1	10052.000	15.000	1164.000	1200.000	60.000	60.000	60.000	0.0	0.0	0.0
GR	650.900	1000.000	644.600	1050.000	641.600	1100.000	640.200	1150.000	640.100	1164.000
GR	635.500	1177.000	635.200	1178.000	635.500	1181.000	644.200	1200.000	644.700	1212.000
GR	645.300	1236.000	644.100	1262.000	645.400	1350.000	649.400	1400.000	650.900	1409.000

X1	10282.000	11.000	1116.000	1140.000	230.000	230.000	230.000	0.0	0.0	0.0
GR	655.500	1000.000	647.900	1018.000	647.400	1050.000	645.000	1100.000	643.800	1116.000
GR	639.000	1125.000	638.000	1128.000	639.000	1130.000	644.200	1140.000	645.200	1143.000
GR	655.000	1164.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	10302.000	13.000	1103.000	1109.000	20.000	20.000	20.000	0.0	0.0	0.0
GR	660.000	1000.000	656.600	1014.000	654.700	1050.000	654.000	1100.000	653.700	1103.000
GR	642.500	1103.000	640.300	1104.000	639.500	1106.000	640.300	1108.000	642.500	1109.000
GR	653.700	1109.000	654.100	1140.000	660.000	1152.000	0.0	0.0	0.0	0.0
NV	3.000	0.027	639.500	0.027	645.500	0.040	660.000	0.0	0.0	0.0

X1	10303.000	0.0	0.0	0.0	1.000	1.000	1.000	0.0	0.0	0.0
BT	11.000	1000.000	660.000	0.0	1014.000	656.600	0.0	1050.000	654.700	0.0
BT	1100.000	654.000	0.0	1103.000	653.700	642.500	1104.000	653.700	644.700	1106.000
BT	653.700	645.500	1108.000	653.700	644.700	1109.000	653.700	642.500	1140.000	654.100
BT	0.0	1152.000	660.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NV	3.000	0.027	644.800	0.027	650.800	0.040	670.000	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

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENOST	AREA	DIFWSP
1000.000	1000.00	0.0	0.0	920.00	551.30	554.13	0.0	3.81	1211.56	1388.43	241.43	0.0
1000.000	1000.00	0.0	0.0	920.00	551.30	555.13	0.0	2.10	1177.49	1393.17	437.18	1.00
1900.000	900.00	0.0	0.0	920.00	557.40	559.86	0.0	4.25	1120.61	1239.58	216.32	0.0
* 1900.000	900.00	0.0	0.0	920.00	557.40	559.20	559.20	6.49	1124.39	1234.73	141.80	-0.66
3775.000	1875.00	0.0	0.0	920.00	565.10	571.22	0.0	6.42	1072.97	1419.49	339.53	0.0
3775.000	1875.00	0.0	0.0	920.00	565.10	572.28	0.0	5.24	1070.34	1187.84	300.54	1.06
3786.000	11.00	0.0	0.0	920.00	564.65	571.62	0.0	3.77	1070.86	1422.46	629.46	0.0
3786.000	11.00	0.0	0.0	920.00	564.65	572.56	0.0	3.27	1069.80	1248.51	574.07	0.93
3802.000	16.30	0.0	0.0	920.00	564.00	571.72	0.0	3.56	1397.16	1792.33	1090.01	0.0
3802.000	16.30	0.0	0.0	920.00	564.00	572.63	0.0	3.20	1459.20	1710.85	1069.43	0.91
* 3997.000	195.00	611.50	573.90	920.00	565.20	572.54	572.54	18.26	1399.30	1783.21	50.51	0.0
* 3997.000	195.00	611.50	573.90	920.00	565.20	572.54	572.54	18.26	1399.30	1783.21	50.51	0.0
4014.000	17.00	0.0	0.0	920.00	565.71	578.23	0.0	0.77	1025.75	1480.69	3188.63	0.0
4014.000	17.00	0.0	0.0	920.00	565.71	578.23	0.0	0.91	1095.93	1400.54	2496.66	-0.00
4030.000	16.00	0.0	0.0	920.00	566.20	578.23	0.0	0.83	1028.56	1477.34	2967.23	0.0
4030.000	16.00	0.0	0.0	920.00	566.20	578.23	0.0	0.99	1099.36	1395.82	2294.50	-0.00
* 5400.000	1370.00	0.0	0.0	500.00	578.20	582.07	582.07	9.04	1122.03	1144.21	55.31	0.0
* 5400.000	1370.00	0.0	0.0	500.00	578.20	582.07	582.07	9.04	1122.02	1144.21	55.32	0.00
6150.000	750.00	0.0	0.0	500.00	587.30	591.98	0.0	6.70	1097.44	1145.20	76.51	0.0
6150.000	750.00	0.0	0.0	500.00	587.30	591.99	0.0	6.70	1120.04	1145.20	74.59	0.01
* 6200.000	50.00	0.0	0.0	500.00	587.90	593.32	593.32	7.56	1644.90	2051.54	261.30	0.0
* 6200.000	50.00	0.0	0.0	500.00	587.90	593.33	593.33	7.37	1645.00	2050.00	262.83	0.01
6320.000	120.00	598.70	593.50	500.00	588.50	597.13	0.0	1.84	1578.61	2096.23	1684.42	0.0
6320.000	120.00	598.70	593.50	500.00	588.50	597.14	0.0	1.84	1580.00	2095.00	1690.56	0.01
6340.000	20.30	0.0	0.0	500.00	588.57	597.15	0.0	0.84	1059.02	1575.33	1663.75	0.0
6340.000	20.30	0.0	0.0	500.00	588.57	597.16	0.0	0.83	1060.00	1575.00	1671.14	0.01

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRIWS	VCH	SSTA	ENDST	AREA	DIFWSP
6360.000	20.30	0.0	0.0	500.00	588.60	597.15	0.0	0.84	1059.47	1574.72	1650.40	0.0
6360.000	20.30	0.0	0.0	500.00	588.60	597.15	0.0	1.49	1345.00	1545.00	755.89	0.00
6586.000	226.00	0.0	0.0	500.00	589.14	597.15	0.0	1.79	1022.87	1213.40	590.97	0.0
6586.000	226.00	0.0	0.0	500.00	589.14	597.19	0.0	1.77	1022.82	1213.00	595.02	0.04
6593.000	7.10	0.0	0.0	500.00	589.30	597.15	0.0	1.80	1023.27	1213.02	558.99	0.0
6593.000	7.10	0.0	0.0	500.00	589.30	597.19	0.0	1.86	1024.00	1213.00	565.70	0.04
6600.000	7.10	0.0	0.0	500.00	591.40	596.97	0.0	4.44	1079.21	1145.95	112.70	0.0
6600.000	7.10	0.0	0.0	500.00	591.40	597.02	0.0	4.32	1079.50	1150.01	115.67	0.05
6601.000	1.00	597.40	597.20	500.00	591.40	596.97	0.0	4.50	1079.21	1146.14	111.34	0.0
6601.000	1.00	597.40	597.20	500.00	591.40	597.02	0.0	4.42	1079.20	1149.93	113.18	0.04
6602.000	1.00	597.40	597.20	500.00	591.40	596.98	0.0	4.48	1079.21	1146.80	111.77	0.0
6602.000	1.00	597.40	597.20	500.00	591.40	597.03	0.0	4.41	1079.20	1151.41	113.48	0.05
6603.000	1.00	0.0	0.0	500.00	591.40	597.01	0.0	4.37	1079.21	1148.42	114.56	0.0
6603.000	1.00	0.0	0.0	500.00	591.40	597.08	0.0	4.16	1079.50	1155.56	120.33	0.07
6608.000	5.00	0.0	0.0	500.00	589.64	597.29	0.0	1.99	1023.75	1212.57	521.02	0.0
6608.000	5.00	0.0	0.0	500.00	589.64	597.34	0.0	1.97	1024.00	1212.00	528.90	0.04
6615.000	7.10	0.0	0.0	500.00	589.80	597.29	0.0	2.10	1024.13	1212.21	490.54	0.0
6615.000	7.10	0.0	0.0	500.00	589.80	597.33	0.0	2.07	1025.00	1212.00	498.31	0.04
* 7700.000	1085.00	0.0	0.0	500.00	603.80	607.44	607.44	9.14	1084.58	1105.83	54.73	0.0
* 7700.000	1085.00	0.0	0.0	500.00	603.80	607.44	607.44	9.14	1084.58	1105.83	54.73	0.0
* 7710.000	9.90	0.0	0.0	500.00	604.82	608.45	608.45	9.16	1084.58	1105.82	54.59	0.0
* 7710.000	9.90	0.0	0.0	500.00	604.82	608.45	608.45	9.16	1084.58	1105.82	54.59	0.0
* 7720.000	9.90	0.0	0.0	500.00	605.80	612.23	612.23	10.98	1128.15	1176.18	102.75	0.0
* 7720.000	9.90	0.0	0.0	500.00	605.80	612.55	612.55	13.83	1135.64	1143.98	43.62	0.33
7780.000	60.00	612.20	612.50	500.00	606.49	618.77	0.0	2.58	1098.24	1218.45	606.29	0.0
7780.000	60.00	999999.00	0.0	500.00	606.49	619.10	0.0	2.95	1122.32	1181.07	462.38	0.33
7790.000	9.90	0.0	0.0	500.00	607.53	618.80	0.0	1.14	1057.20	1167.82	543.73	0.0
7790.000	9.90	0.0	0.0	500.00	607.53	619.14	0.0	1.32	1072.84	1130.00	433.40	0.34
7800.000	9.90	0.0	0.0	500.00	608.55	618.80	0.0	1.40	1063.71	1162.09	437.19	0.0
7800.000	9.90	0.0	0.0	500.00	608.55	619.14	0.0	1.66	1075.60	1123.04	337.03	0.34
8250.000	450.00	0.0	0.0	340.00	614.65	619.09	0.0	5.16	1144.12	1209.83	85.60	0.0
8250.000	450.00	0.0	0.0	340.00	614.65	619.65	0.0	3.71	1130.85	1209.83	125.93	0.55
8258.000	7.60	0.0	0.0	340.00	614.94	618.77	618.66	7.76	1159.81	1201.74	52.37	0.0
8258.000	7.60	0.0	0.0	340.00	614.94	619.36	0.0	6.32	1142.00	1200.00	53.82	0.60
* 8265.000	7.60	0.0	0.0	340.00	615.20	620.44	620.44	7.96	1665.27	1759.78	119.69	0.0
* 8265.000	7.60	0.0	0.0	340.00	615.20	620.38	620.38	11.58	1723.96	1731.85	30.76	-0.06
* 8535.000	270.00	667.30	625.10	340.00	618.10	623.32	623.32	12.23	1665.84	1759.46	27.81	0.0
8535.000	270.00	999999.00	0.0	340.00	618.10	623.27	623.26	11.65	1724.50	1731.50	29.18	-0.05

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
8542.000	7.60	0.0	0.0	340.00	618.41	625.86	0.0	1.28	1083.53	1249.38	443.78	0.0
8542.000	7.60	0.0	0.0	340.00	618.41	625.58	0.0	1.42	1087.61	1245.62	397.52	-0.29
8550.000	7.60	0.0	0.0	340.00	618.70	625.86	0.0	1.43	1087.65	1245.59	397.14	0.0
8550.000	7.60	0.0	0.0	340.00	618.70	625.58	0.0	1.66	1128.00	1228.00	310.52	-0.29
* 9387.000	837.00	0.0	0.0	340.00	629.00	632.79	632.79	8.63	1125.03	1142.80	39.38	0.0
* 9387.000	837.00	0.0	0.0	340.00	629.00	632.81	632.81	8.54	1125.00	1142.85	39.81	0.02
9403.000	16.00	0.0	0.0	340.00	629.80	633.98	633.59	6.01	1040.87	1145.58	73.01	0.0
* 9403.000	16.00	0.0	0.0	340.00	629.80	633.79	633.79	10.71	1116.59	1128.84	35.67	-0.18
* 9404.000	1.00	633.60	632.80	340.00	629.80	635.20	635.20	5.71	1037.22	1259.57	133.40	0.0
* 9404.000	1.00	633.60	632.80	340.00	629.80	635.90	635.90	8.32	1106.92	1141.35	59.22	0.69
9722.000	318.00	636.00	635.00	340.00	632.00	636.79	0.0	5.91	1113.04	1243.12	106.50	0.0
9722.000	318.00	636.00	635.00	340.00	632.00	637.97	0.0	5.63	1157.35	1191.40	80.96	1.18
9723.000	1.00	0.0	0.0	340.00	632.00	637.05	0.0	2.23	1111.74	1246.64	212.49	0.0
9723.000	1.00	0.0	0.0	340.00	632.00	638.30	0.0	2.37	1155.78	1193.18	158.68	1.25
9728.000	5.00	0.0	0.0	340.00	632.20	637.00	0.0	3.37	1111.97	1246.01	150.73	0.0
9728.000	5.00	0.0	0.0	340.00	632.20	638.36	0.0	1.49	1129.00	1229.00	262.56	1.35
* 9733.000	5.00	0.0	0.0	340.00	632.20	637.95	637.95	5.22	1133.13	1251.62	96.94	0.0
* 9733.000	5.00	0.0	0.0	340.00	632.20	638.41	638.41	8.30	1209.79	1236.38	47.93	0.46
9734.000	1.00	636.90	635.70	340.00	632.20	637.98	0.0	4.27	1129.79	1252.00	91.34	0.0
* 9734.000	1.00	636.90	635.70	340.00	632.20	638.53	638.53	6.99	1208.62	1236.65	46.07	0.55
* 9833.000	99.00	639.40	638.20	340.00	634.70	640.29	640.29	6.01	1134.47	1247.64	70.93	0.0
* 9833.000	99.00	639.40	638.20	340.00	634.70	641.14	641.14	7.96	1214.17	1235.32	39.75	0.85
9834.000	1.00	0.0	0.0	340.00	634.70	640.58	640.35	4.26	1126.67	1255.49	113.42	0.0
9834.000	1.00	0.0	0.0	340.00	634.70	642.56	0.0	1.85	1185.03	1239.52	168.63	1.98
9854.000	22.00	0.0	0.0	340.00	634.80	640.76	0.0	1.67	1095.15	1258.79	279.67	0.0
9855.000	22.00	0.0	0.0	340.00	634.80	642.62	0.0	1.14	1179.25	1263.00	337.68	1.86
9900.000	44.00	0.0	0.0	340.00	632.40	639.45	0.0	9.92	1220.30	1225.80	34.27	0.0
9900.000	44.00	0.0	0.0	340.00	632.40	641.95	0.0	7.09	1220.30	1225.80	47.96	2.50
* 9992.000	92.00	640.40	638.70	340.00	633.20	638.96	638.92	12.54	1220.30	1225.80	27.10	0.0
9992.000	92.00	999999.00	0.0	340.00	633.20	641.46	0.0	8.33	1220.30	1225.80	40.83	2.50
10052.000	60.00	0.0	0.0	340.00	635.20	642.32	0.0	1.53	1087.93	1195.90	243.26	0.0
10052.000	60.00	0.0	0.0	340.00	635.20	643.01	0.0	1.81	1153.84	1197.40	189.11	0.69
10282.000	230.00	0.0	0.0	340.00	638.00	642.40	0.0	8.17	1118.61	1136.55	41.61	0.0
10282.000	230.00	0.0	0.0	340.00	638.00	643.66	0.0	5.06	1116.25	1135.97	67.14	1.26
* 10302.000	20.00	0.0	0.0	340.00	639.50	645.01	645.01	12.29	1103.00	1109.00	27.67	0.0
* 10302.000	20.00	0.0	0.0	340.00	639.50	645.03	645.03	12.25	1103.00	1109.00	27.76	0.02
* 10303.000	1.00	653.70	645.50	340.00	639.50	644.64	644.64	14.58	1103.00	1109.00	23.32	0.0
* 10303.000	1.00	653.70	645.50	340.00	639.50	644.64	644.64	14.58	1103.00	1109.00	23.32	0.0

SECNO	XLCH	ELTRD	ELLC	0	ELMTH	CWSEL	CRIWS	VCH	SSTA	ENOST	AREA	OIFWSP
10512.000	209.00	653.70	650.80	340.00	644.80	654.89	0.0	10.51	1103.00	1109.00	32.34	0.0
10512.000	209.00	655.70	650.80	340.00	644.80	654.89	0.0	10.51	1103.00	1109.00	32.34	0.00
10513.000	1.00	0.0	0.0	340.00	644.80	656.61	0.0	5.20	1103.00	1109.00	65.44	0.0
10513.000	1.00	0.0	0.0	340.00	644.80	656.61	0.0	5.20	1103.00	1109.00	65.44	0.00
10588.000	75.00	0.0	0.0	340.00	645.40	657.16	0.0	0.65	1025.40	1176.12	713.17	0.0
10588.000	75.00	0.0	0.0	340.00	645.40	657.17	0.0	0.79	1095.07	1160.60	496.84	0.00

SUMMARY OF ERRORS

CAUTION SECNO= 1900.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 1900.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 1900.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 3997.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3997.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3997.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 3997.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3997.000 PROFILE= 2 MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 5400.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 5400.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 5400.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 5400.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 5400.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 5400.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 6200.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 6200.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 6200.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 6200.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 6200.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 6200.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 7700.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 7700.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 7700.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 7700.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 7700.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 7700.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 7710.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 7710.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 7710.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 7710.000 PROFILE= 2 MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 7720.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 7720.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 7720.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 7720.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 7720.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 7720.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 8265.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 8265.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 8265.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL

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

STATION	FLOODWAY			WATER SURFACE ELEVATION		
	WIDTH (FT)	SECTION AREA	MEAN VELOCITY	WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
10303.000	6.	23.	14.6	644.6	644.6	0.0
10512.000	6.	32.	10.5	654.9	654.9	0.0
10513.000	6.	65.	5.2	656.6	656.6	0.0
I 10568.000	66.	497.	0.7	657.2	657.2	0.0 ✓

THIS IS A STORAGE DATASET FOR GASTON COUNTY FIA STUDY
 STREAMS INCLUDED ARE STOWE, CATARS, EPPLET, SFTRIBS, DUTCH, SFORK9, FORBR
 STOWE JOB RTI.A25.P01198.DMC.M=1.T=2.P=203.PRTY=0

//*PROCLIB=RTI.MG.PROCLIB

// EXEC HEC2

//SYSIN CD *

T1 STOWE BRANCH CITY OF BELMONT

T2 GASTON CO. FIS JOB # 207022

T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	-1	4								554.13	
J2	0		-1								
J3	38	39	40	41	43	42	1	2	26	53	
J3	54	25	50	0	200						
NC	0.100	0.100	0.040	0.1	0.3						
QT	5	420	730	920	1490	920					
ET	5					-10.4					
X1	1000	17	1023	1447	1000	1000	1000				
GR	572.2	1000	570.4	1023	565.2	1091	562.2	1125	556.8	1150	
GR	555.2	1175	554.5	1200	553.7	1225	553.6	1250	553.1	1275	
GR	552.8	1300	552.3	1325	551.7	1350	551.3	1375	565	1440	
GR	570	1447	572.2	1458							
ET	5					-7.1	1120	1239			
X1	1900	13	1072	1285	900	900	900				
GR	577.1	1000	571.8	1042	568.2	1072	565.2	1087	563.4	1100	
GR	559.1	1125	557.8	1150	557.7	1175	557.4	1200	557.9	1225	
GR	564.0	1275	570.5	1285	574.4	1292					
ET	5					-4.4					
X1	3775	16	1069.8	1102.5	1875	1875	1875				
GR	581.0	1000	576.3	1050	572.5	1069.8	566.6	1084.4	565.1	1087.8	
GR	566.6	1094	570.3	1102.5	570.6	1150	569.5	1200	570.5	1250	
GR	571.7	1300	570.1	1350	570.7	1400	570.5	1417	580.0	1450	
GR	582.5	1460									
X1	3786	0			11	11	11				
NC	0.100	0.100	0.025	0.1	0.3						
X1	3802	36	1596.7	1605.3	16.3	16.3	16.3		0.00		
GR	621.4	1000	621.0	1050	620.6	1100	620.2	1150	619.7	1200	
GR	619.2	1250	618.7	1300	580.9	1344.5	580.0	1350	572.2	1394.5	
GR	571.2	1400	570.6	1402.9	568.7	1444.5	568.6	1450	568.5	1500	
GR	568.4	1550	568.3	1596.7	565.2	1597.9	564.4	1600	564.0	1601	
GR	565.2	1604.1	568.3	1605.3	568.5	1650	568.7	1694.5	568.8	1700	
GR	570.0	1744.5	570.2	1750	571.6	1791.5	572.8	1800	580.1	1850	
GR	582.7	1867.5	612.5	1900	612.4	1950	612.2	2000	611.8	2050	
GR	611.5	2100									
SB	0.9	3.2	2.5	0	6.8	0	59	0	565.2	564.0	
ET	5					-10.4					
X1	3997	38	1596.7	1605.3	195	195	195				
X2			1	573.9	611.5						
BT	29	1000	621.4	0	1050	621	0	1100	620.6	0	
BT	1150	620.2	0	1200	619.7	0	1250	619.2	0	1300	
BT	618.7	0	1350	618	0	1400	617.5	0	1450	617	

BT	0	1500	616.4	0	1550	615.9	0	1596.6	615.4	0
BT	1596.7	615.4	569.6	1597.9	615.3	572.6	1601	615.3	573.9	1604.1
BT	615.3	572.6	1605.3	615.3	596.6	1607.4	615.3	0	1650	614.8
BT	0	1700	614.2	0	1750	613.8	0	1800	613.3	0
BT	1850	612.9	0	1900	612.5	0	1950	612.4	0	2000
BT	612.2	0	2050	611.8	0	2100	611.5	0		
GR	621.4	1000	621	1050	620.6	1160	620.2	1150	619.7	1200
GR	619.2	1250	618.7	1300	582.2	1344.3	581.2	1350	573.5	1394.5
GR	572.4	1400	571.9	1402.9	567.9	1444.5	569.9	1450	569.8	1500
GR	569.7	1550	569.6	1596.6	569.6	1596.7	566.5	1597.9	565.7	1600
GR	565.2	1601	566.5	1604.1	569.6	1605.3	569.6	1605.4	569.8	1630
GR	569.9	1694.5	570.1	1700	571.3	1744.5	571.5	1750	572.8	1791.5
GR	574.1	1800	581.4	1850	583.9	1867.5	612.5	1900	612.4	1950
GR	612.2	2000	611.8	2050	611.5	2100				
NC	0.1	0.1	.04	.1	.3					
X1	4014	19	1241	1265	17	17	17		-0.49	
GR	583.2	1000	574.5	1050	572.9	1058.4	570.9	1100	570.2	1150
GR	570.1	1192.5	571.7	1200	573.8	1215	569.3	1226	569.8	1241
GR	567.5	1246	566.2	1256.5	567.5	1258	570.4	1265	570.1	1300
GR	570.9	1350	572.3	1400	573.8	1447	584.9	1523		
X1	4030	0			16	16	16		0.49	
QT	5	220	390	500	830	500				
X1	5400	14	1120	1148	1370	1370	1370			
GR	600.8	1600	601.6	1005	601.6	1019	601	1032.5	600.2	1038
GR	595.9	1050	584.6	1073.5	582.7	1100	582.9	1120	579	1129.5
GR	578.2	1134	579	1140.5	585.2	1148	554.1	1188		
X1	6150	0			750	750	750		9.1	
NC	0.100	0.100	0.015	0.1	0.3					
ET	5					-7.1	1645	2050		
X1	6200	42	2038	2050	50	50	50		0.00	
GR	605.6	1000	602.1	1096	602	1100	601.6	1112.5	599.5	1200
GR	598.7	1300	598.8	1400	599.8	1500	597	1569	595.2	1600
GR	594.1	1619	592.6	1669	592.5	1700	592.4	1719	592.9	1769
GR	593.4	1800	593.6	1819	592.8	1869	592.2	1900	591.8	1919
GR	593.1	1969	593.7	2000	594.1	2019	593.9	2027	590.4	2038
GR	588.6	2038.7	587.9	2040.5	588.6	2042.3	590.4	2043	590.4	2045
GR	588.6	2045.7	587.9	2047.5	588.6	2049.3	590.4	2050	594.2	2052
GR	595.4	2069	596.7	2100	597.1	2109	601.6	2119	608.9	2162
GR	623.2	2200	624.4	2220						
SB	0.9	1.5	2.5		7.8	0	39		587.9	588.5
ET	5					-7.1	1580	2095		
X1	6320	42	2038	2050	120	120	120			
X2			1	593.5	598.7					
BT	26	1000	605.6	0	1096	602.1	0	1100	602	0
BT	1112.5	601.6	0	1200	599.5	0	1300	598.7	0	1400
BT	598.8	0	1500	599.8	0	1600	601.3	0	1700	603.2
BT	0	1800	605.7	0	1900	608.5	0	2000	612.3	0
BT	2038	613.8	591	2038.7	613.8	592.8	2040.5	613.9	593.5	2042.3
BT	614	592.8	2043	614	591	2045	614.1	591	2045.7	614.2
BT	592.8	2047.5	614.2	593.5	2049.3	614.3	592.8	2050	614.4	591

BT	2100	617	0	2200	623.2	0	2220	624.4	0		
GR	605.6	1000	602.1	1096	602	1100	601.6	1112.5	599.5	1200	
GR	598.7	1300	598.8	1400	599.8	1500	597.7	1569	595.9	1600	
GR	594.8	1619	593.2	1669	593.1	1700	593.1	1719	593.6	1769	
GR	594	1800	594.3	1819	593.5	1869	592.9	1900	592.5	1919	
GR	593.7	1969	594.4	2000	594.7	2019	594.5	2027	591	2038	
GR	589.3	2038.7	588.5	2040.5	589.3	2042.3	591	2043	591	2045	
GR	589.3	2045.7	588.5	2047.5	589.3	2049.3	591	2050	594.8	2052	
GR	596	2069	597.3	2100	597.7	2109	602.2	2119	609.5	2162	
GR	623.2	2200	624.4	2220							
NC	.1	.1	.04	.1	.3						
ET	5					-7.1	1060	1575			
X1	6340	20	1508	1533	20.3	20.3	20.3		-0.03		
GR	599.9	1000	597.7	1050	594.8	1100	593.3	1150	593.2	1200	
GR	593.7	1250	594.4	1300	593.6	1350	592.6	1400	593.8	1450	
GR	594.8	1500	594.6	1508	588.8	1521	588.6	1525	588.8	1526.5	
GR	594.9	1533	596.1	1550	597.8	1590	602.3	1600	609.6	1643	
ET	5					-7.1	1345	1545			
X1	6360	0			20.3	20.3	20.3		0.03		
ET	5					-7.1	1022	1213			
X1	6586	12	1127	1154	226	226	226		-0.66		
GR	607.5	1000	596.5	1026	595.5	1050	594.6	1100	593	1127	
GR	590.8	1146	587.8	1152	590.5	1154	595	1154	595.9	1200	
GR	597.2	1212	609.9	1240.5							
ET	5					-7.1	1024	1213			
X1	6593	0			7.1	7.1	7.1		0.16		
ET	5					-10.4					
X1	6600	19	1079.5	1166	7.1	7.1	7.1		0.00		
GR	597.7	1000	597.4	1013.5	597.6	1050	597.7	1079	596	1079.5	
GR	592.9	1096.5	597	1096.5	597	1097	597	1097.5	592.9	1097.5	
GR	592.6	1100	591.4	1108	596.6	1112.5	597	1112.5	597	1113	
GR	597	1113.5	596.6	1113.5	597.2	1166	601.3	1178			
X1	6601	0			1.0	1.0	1.0		0.00		
BT	11	1000	597.7	0	1013.5	597.4	0	1050	597.6	0	
BT	1079	597.7	0	1079.5	597.7	596.8	1097	597.8	597	1100	
BT	597.8	597	1108	597.8	597	1113	597.8	597	1166	598	
BT	597.2	1178	601.3	0							
X1	6602	19	1079.5	1166	1	1	1		0.00		
BT	11	1000	597.7	0	1013.5	597.4	0	1050	597.6	0	
BT	1079	597.7	0	1079.5	597.7	596.8	1097	597.8	597	1100	
BT	597.8	597	1108	597.8	597	1113	597.8	597	1166	598	
BT	597.2	1178	601.3	0							
GR	597.7	1000	597.4	1013.5	597.6	1050	597.7	1079	596	1079.5	
GR	592.9	1096.5	597	1096.5	597	1097	597	1097.5	592.9	1097.5	
GR	592.6	1100	591.4	1108	596.6	1112.5	597	1112.5	597	1113	
GR	597	1113.5	596.6	1113.5	597.2	1166	601.3	1178			
X1	6603	0			1.0	1.0	1.0		0.00		
ET	5					-7.1	1024	1212			
X1	6608	12	1127	1154	5	5	5		-0.16		
GR	607.5	1000	596.5	1026	595.5	1050	594.6	1100	593	1127	

GR	590.8	1146	589.8	1152	590.5	1154	595	1154	595.9	1200
GR	597.2	1212	609.9	1240.5						
ET	5					-7.1	1025	1212		
X1	6615	0			7.1	7.1	7.1		0.16	
NC	0.090	0.090	0.090	0.1	0.3					
ET	5					-10.4				
X1	7700	9	1080	1106.5	1085	1085	1085		0.00	
GR	624.1	1000	616.2	1050	611.5	1080	604.4	1088	603.3	1094
GR	604.3	1100	607.8	1106.5	611.9	1150	620.8	1200		
X1	7710	0			9.9	9.9	9.9		1.02	
NC	0.090	0.090	0.025	0.1	0.3					
X1	7720	17	1136	1142	9.9	9.9	9.9		0.00	
GR	625	1000	621	1050	618.2	1095	617.5	1100	613.6	1125
GR	608.8	1136	606.7	1136.9	605.8	1139	606.7	1141.1	608.8	1142
GR	609.7	1150	609.9	1151.5	614	1195	614.8	1200	622.9	1245
GR	627.8	1250	630.4	1271						
SB	0.9	1.5	2.5		4.7	0	28		606.5	605.8
X1	7780	16	1136	1142	60	60	60		-0.01	
X2			1	612.5	618.2					
BT	12	1000	625	0	1050	621	0	1100	618.7	0
BT	1136	618.2	609.5	1136.9	618.2	611.6	1139	618.2	612.5	1141.1
BT	618.2	611.6	1142	618.3	609.5	1150	618.5	0	1200	622.3
BT	0	1250	627.8	0	1271	630.4	0			
GR	625	1000	621	1050	618.7	1100	614.2	1125	609.5	1136
GR	607.3	1136.9	606.5	1139	607.3	1141.1	609.5	1142	610.4	1150
GR	610.5	1151.5	614.6	1195	615.5	1200	623.5	1245	627.0	1250
GR	630.4	1271								
NC	0.09	0.09	0.09	0.1	0.3					
X1	7790	9	1080	1106.5	9.9	9.9	9.9		3.73	
GR	624.1	1000	616.2	1050	611.5	1080	604.4	1088	603.8	1094
GR	604.3	1100	607.8	1106.5	611.9	1150	620.8	1200		
X1	7800	0			9.9	9.9	9.9		1.02	
NC	0.090	0.090	0.080	0.1	0.3					
QT	5	150	260	340	570	340				
ET	5					7.1	1124.12	1209.83		
X1	8250	12	1182	1200	450	450	450		-4.05	
GR	635.3	1000	620.5	1050	625	1100	622.9	1150	621.7	1182
GR	618.9	1187	618.7	1188.5	618.9	1191	622.4	1200	626.2	1250
GR	633.8	1300	637.4	1319.5						
NC	0.100	0.100	0.025	0.1	0.3					
ET	5					-10.4				
X1	8258	0			7.6	7.6	7.6		0.29	
X1	8265	39	1724.5	1731.5	7.6	7.6	7.6		0.00	
GR	675.4	1000	678.2	1050	681.2	1100	683.7	1150	685.9	1200
GR	637.2	1234	687.7	1250	689.1	1300	690.2	1350	690.9	1400
GR	691.2	1450	691	1500	631.8	1539.5	630.4	1550	625	1589.5
GR	624.3	1600	621.5	1639.5	621.1	1650	619.4	1689.5	619.2	1700
GR	618.7	1724.5	616.2	1725.5	615.2	1728	616.2	1730.5	618.7	1731.5
GR	618.9	1739.5	619.7	1750	622.7	1789.5	624.3	1800	630.3	1839.5
GR	632.2	1850	633.9	1859	678.9	1900	676.8	1950	674.7	2000

GR	672.5	2050	670.6	2100	668.9	2150	667.3	2200		
SB	0.9	4.0	2.5		5.5	0	39		618.1	615.2
X1	8535	39	1724.5	1731.5	270	270	270			
X2			1	625.1	667.3					
BT	31	1000	675.4	0	1050	678.2	0	1100	681.2	0
BT	1150	683.7	0	1200	685.9	0	1234	687.2	0	1250
BT	687.7	0	1300	689.1	0	1350	690.2	0	1400	690.9
BT	0	1450	691.2	0	1500	691	0	1550	690.5	0
BT	1600	689.7	0	1650	688.5	0	1700	687	0	1724.5
BT	686	621.6	1725.5	686	624.1	1728	685.9	625.1	1730.5	685.8
BT	624.1	1731.5	685.8	621.6	1750	685.1	0	1800	683	0
BT	1850	680.9	0	1900	678.9	0	1950	676.8	0	2000
BT	674.7	0	2050	672.5	0	2100	670.6	0	2150	668.9
BT	0	2200	667.3	0						
GR	675.4	1000	678.2	1050	681.2	1100	683.7	1150	685.9	1200
GR	687.2	1234	687.7	1250	689.1	1300	690.2	1350	690.9	1400
GR	691.2	1450	691	1500	634.7	1539.5	633.3	1550	627.9	1589.5
GR	627.2	1600	624.4	1639.5	624	1650	622.3	1689.5	622.1	1700
GR	621.6	1724.5	619.1	1725.5	618.1	1728	619.1	1730.5	621.6	1731.5
GR	621.8	1739.5	622.6	1750	625.6	1789.5	627.2	1800	633.2	1839.5
GR	635.1	1850	636.8	1859	678.9	1900	676.8	1950	674.7	2000
GR	672.5	2050	670.6	2100	668.9	2150	667.3	2200		
NC	0.090	0.090	0.070	0.1	0.3					
ET	5					-7.1	1084	1249		
X1	8542	12	1182	1200	7.6	7.6	7.6		-0.29	
GR	635.3	1000	628.5	1050	625	1100	622.9	1150	621.7	1182
GR	618.9	1187	618.7	1188.5	618.9	1191	622.4	1200	626.2	1250
GR	633.8	1300	637.4	1319.5						
ET	5					-7.1	1128	1228		
X1	8550	0			7.6	7.6	7.6		0.29	
NC	0.060	0.060	0.050	0.1	0.3					
ET	5					-10.4				
X1	9387	12	1125	1143	837	837	837			
GR	645.4	1000	633.5	1041	634.2	1055	633.3	1100	632.8	1125
GR	629.1	1133	629.0	1134.5	629.1	1136.5	632.9	1143	633.1	1188
GR	636.3	1200	645.4	1236						
NC	0.035	0.035	0.035	0.3	0.1					
X1	9403	20	1119	1126.5	16	16	16			
GR	647.7	1000	633.6	1042	634.5	1048	634.6	1100	631.3	1119
GR	630.0	1119.8	629.8	1120.5	630.0	1121.2	631.3	1122	631.3	1125.5
GR	630.0	1124.3	629.8	1125	630.0	1125.7	631.3	1126.5	634.6	1150
GR	635.0	1200	634.7	1250	634.2	1254	636.0	1264	647.7	1290
NV	3	0.014	629.8	0.014	632.8	0.035	650.0			
X1	9404	0	0	0	1	1	1			
BT	20	1000	647.7	0	1042	633.6	0	1048	634.5	0
BT	1100	634.6	0	1119	634.5	631.3	1119.8	634.5	632.6	1120.5
BT	634.5	632.8	1121.2	634.5	632.6	1122	634.5	631.3	1123.5	634.5
BT	631.3	1124.3	634.5	632.6	1125	634.5	632.9	1125.7	634.5	632.6
BT	1126.5	634.5	631.3	1150	634.6	0	1200	635.0	0	1250
BT	634.7	0	1254	634.2	0	1264	636.0	0	1290	647.7

BT	0										
NV	3	0.014	632.0	0.014	635.0	0.035	650.0				
X1	9722	24	1168	1175.5	318	318	318				
BT	16	1000	648.0	0	1050	641.3	0	1100	639.4	0	
BT	1117	636.0	0	1128	636.3	0	1150	636.1	0	1168	
BT	636.2	633.5	1168.8	636.2	634.8	1169.5	636.2	635	1170.2	636.2	
BT	634.8	1171	636.2	633.5	1172.5	636.2	633.5	1173.3	636.2	634.8	
BT	1174	636.2	635.0	1174.7	636.2	634.8	1175.5	636.2	633.5		
GR	648.0	1000	641.3	1050	639.4	1100	636.0	1117	636.3	1128	
GR	636.1	1150	633.5	1168	632.2	1168.8	632	1169.5	632.2	1170.2	
GR	633.5	1171	633.5	1172.5	632.2	1173.3	632	1174	632.2	1174.7	
GR	633.5	1175.5	636.0	1200	635.9	1216	634.9	1223	635.9	1231	
GR	637.3	1250	639.3	1300	644.4	1368	648.0	1387			
NC	0.035	0.035	0.035	0.3	0.1						
X1	9723	0	0	0	1	1	1				
ET	5				7.1	11.29	12.29				
X1	9728	18	1168	1175	5	5	5				
GR	648.0	1000	641.3	1050	639.4	1100	636.0	1117	636.3	1128	
GR	636.1	1150	636.1	1168	632.2	1168	632.2	1175	636.1	1175	
GR	636.1	1200	635.9	1216	634.9	1223	635.9	1231	637.3	1250	
GR	639.3	1300	644.4	1368	648.0	1387					
ET	5				-10.4						
X1	9733	24	1229.3	1232.8	5	5	5				
GR	649.1	1000	643.1	1050	642	1072	640.6	1078	641	1083	
GR	639.1	1100	637.2	1150	636.9	1174	637.4	1200	637.1	1229.3	
GR	634.0	1229.3	632.5	1230	632.2	1231	632.5	1232	634.0	1232.8	
GR	637.1	1232.8	637.9	1250	639.6	1300	642.0	1333	641.9	1346	
GR	642.4	1378	642.9	1418	643.1	1420	648.1	1435			
NV	3	0.027	632.2	0.027	635.7	0.035	650.0				
X1	9734	0	0	0	1	1	1				
BT	22	1000	649.1	0	1050	643.1	0	1072	642.0	0	
BT	1078	640.6	0	1693	641.0	0	1100	639.1	0	1150	
BT	637.2	0	1174	636.9	0	1200	637.4	0	1229.3	637.1	
BT	634.0	1230	637.1	635.4	1231	637.1	635.7	1232	637.1	635.4	
BT	1232.8	637.1	634.0	1250	637.9	0	1300	639.6	0	1333	
BT	642.0	0	1346	641.9	0	1378	642.4	0	1418	642.9	
BT	0	1420	643.1	0	1435	648.1	0				
NV	3	0.027	634.7	0.027	638.2	0.035	650.0				
X1	9833	0	0	0	99	99	99		2.5		
BT	22	1000	651.6	0	1050	645.6	0	1072	644.5	0	
BT	1078	643.1	0	1083	643.5	0	1100	641.6	0	1150	
BT	639.7	0	1174	639.4	0	1200	639.9	0	1229.3	639.6	
BT	636.5	1230	639.6	637.9	1231	639.6	638.2	1232	639.6	637.9	
BT	1232.8	639.6	636.5	1250	640.4	0	1300	642.1	0	1333	
BT	644.5	0	1346	644.4	0	1378	644.9	0	1418	645.4	
BT	0	1420	645.6	0	1435	650.6	0				
NC	0.035	0.035	0.035								
ET	5				-5.4						
X1	9834	0	0	0	1	1	1				
X1	9856	22	1223	1263	22	22	22				

GR 650.6	1000	644.9	1050	643.2	1071	641.8	1076	642.4	1078
GR 640.3	1100	639.2	1150	639.3	1170	639.9	1200	639.4	1223
GR 635.0	1231	634.8	1233	635.3	1235	636.1	1246	642.3	1263
GR 642.1	1273	642.5	1297	642.0	1322	642.4	1325	645.3	1350
GR 648.0	1400	653.1	1444						
X1 9900	19	1220.3	1225.8	44	44	44			
GR 651.5	1000	645.9	1050	642.0	1100	640.4	1150	640.8	1200
GR 641.4	1220.3	635.2	1220.3	633.3	1221	632.4	1223	633.3	1225
GR 635.2	1225.8	641.4	1225.8	642.8	1268	642.9	1287	642.8	1300
GR 643.4	1350	646.1	1400	649.0	1450	651.5	1492		
SB 0.9	1.5	2.5		4.3	0	24		533.2	632.4
X1 9992	0	0	0	92	92	92		0.8	
X2		1	638.7	640.4					
BT 17	1000	651.5	0	1050	645.0	0	1100	642.0	0
BT 1150	640.4	0	1200	640.8	0	1220.3	641.4	636.0	1221
BT 641.4	637.8	1223	641.4	638.7	1225	641.4	637.8	1225.8	641.4
BT 636.0	1268	642.8	0	1287	642.9	0	1300	642.8	0
BT 1350	643.4	0	1400	646.1	0	1450	649.0	0	1492
BT 651.5	0								
NC 0.05	0.09	0.09							
ET	5				-10.4				
X1 10052	15	1164	1200	60	60	60			
GR 650.9	1000	644.6	1050	641.6	1100	640.2	1150	640.1	1164
GR 635.5	1177	635.2	1178	635.5	1181	644.2	1200	644.7	1212
GR 645.3	1236	644.1	1262	645.4	1350	649.4	1400	650.9	1409
X1 10282	11	1116	1140	230	230	230			
GR 655.5	1000	647.9	1018	647.4	1050	645.0	1100	643.8	1116
GR 639.0	1125	638.0	1128	639.0	1130	644.2	1140	645.2	1143
GR 655.0	1164								
X1 10302	13	1103	1109	20	20	20			
GR 660.0	1000	656.6	1014	654.7	1050	654.0	1100	653.7	1103
GR 642.5	1103	640.3	1104	639.5	1106	640.3	1108	642.5	1109
GR 653.7	1109	654.1	1140	660.0	1152				
NV 3	0.027	639.5	0.027	645.5	0.040	660.0			
X1 10303	0	0	0	1	1	1			
BT 11	1000	660.0	0	1014	656.6	0	1050	654.7	0
BT 1100	654.0	0	1103	653.7	642.5	1104	653.7	644.7	1106
BT 653.7	645.5	1108	653.7	644.7	1109	653.7	642.5	1140	654.1
BT 0	1152	660.0	0						
NV 3	0.027	644.8	0.027	650.8	0.040	670.0			
X1 10512	0	0	0	209	209	209		5.3	
X2						1			
NC 0.1	0.1	0.08							
X1 10513	0	0	0	1	1	1			
X1 10588	10	1114	1154	75	75	75			
GR 659.6	1000	654.8	1050	652.9	1100	651.6	1114	645.7	1135
GR 645.4	1139	645.7	1141	650.4	1154	651.8	1161	659.6	1183

EJ
T1 STOWE BRANCH CITY OF BELMONT
T2 GASTON CO. FIS JOB # 207022

T3 100 YEAR FLOODWAY
 J1 -10 6 555.13
 J2 15 -1
 EJ

ER

CATAS5 JOB RTI.A25.PO1198,DMC,M=1,T=2,P=200,PRTY=0
 //*PROCLIB=RTI.MG.PROCLIB
 // EXEC HEC2
 //SYSIN DD *

T1 CATAWBA RIVER TRIB 5
 T2 GASTON CO. FIS JOB # 207022
 T3 100 YEAR FLOOD WATER SURFACE PROFILE
 J1 -1 4 578.02
 J2 0 -1
 J3 38 39 40 41 43 42 1 2 26 53
 J3 54 25 50 0 200
 NC 0.150 0.150 0.090 0.1 0.3
 QT 5 680 1170 1400 1950 1400
 ET 5 -10.4
 X1 2700 22 1243 1263 2700 2700 2700
 GR 588.0 1000 580.4 1050 577.3 1100 574.6 1129 573.7 1150
 GR 572.6 1158 572.3 1160 572.8 1162 573 1164 572.3 1165
 GR 573.2 1168 572.6 1173 572.3 1176 573.7 1178 574 1200
 GR 574.0 1243 573.1 1244 572.2 1246 573.1 1251 574.8 1263
 GR 584 1300 588 1321
 NC 0.090 0.090 0.070 0.1 0.3
 X1 3750 22 1234 1263 1050 1050 1050
 GR 590.8 1000 586.7 1005 587.2 1014 587.2 1024 587.2 1034
 GR 586.8 1050 586.6 1100 586.7 1150 586.4 1167 586.3 1176
 GR 586.2 1185 585.4 1196 585 1200 579.6 1234 576.2 1249
 GR 575.5 1255 576.2 1257 580.3 1263 580.7 1300 581.9 1331
 GR 585.1 1350 590.8 1381
 NC .050 .050 .025
 X1 3776 23 1292 26 26 26 0.00
 GR 594.7 1000 581.5 1050 588.3 1100 586.4 1150 585.7 1200
 GR 585.9 1255 577.1 1274 574.7 1275 573.6 1277.5 574.7 1280
 GR 577.1 1292 577.7 1285 575.3 1286 574.2 1288.5 575.3 1291
 GR 577.7 1292 577.8 1292.5 578.4 1300 580.9 1335.5 581.8 1350
 GP 584 1385.5 593.3 1400 594.7 1412
 SP 584 1.5 2.5 11 177 574.0 573.6
 X1 3824 22 1274 1292 48 48 48
 X2 1 582.2 505.7
 BT 20 1000 594.7 0 1050 591.5 0 1100 588.3 0
 BT 1150 586.4 0 1200 585.7 0 1250 585.9 0 1274
 BT 586.1 577.5 1275 586.1 580 1277.5 586.1 581 1280 586.1
 BT 580 1281 586.1 577.5 1285 586.1 578.7 1286 586.1 581.2
 BT1288.5 586.2 582.2 1291 586.2 581.2 1292 586.3 578.7 1300