

ER
 LUTZ JOB RTI.A25.P01198.DM2.M=1.T=2.P=100.PRTY=0
 //*PROCLIB=TI.MG.PROCLIB
 // EXEC HECE
 //SYSIN DD *

~~188~~

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

J1	-1	4								672.5
J2	0		-1							
J3	38	39	40	41	43	42	1	2	26	53
J3	54	25	50	0	200					
NC	.075	.075	.055	.1	.3					
QT	5	550	1020	1250	1800	1250				
ET	5					-10.4				
X1	575	12	1054	1126	575	575	575			
GR	676.1	1017	677	1030	673.7	1054	667.3	1088	665.2	1097
GR	668.7	1106	668.4	1106	681.1	1126	680.4	1136	676.8	1144
GR	676.7	1200	678	1298						
X1	638	0			63	63	63		-1.28	
X1	701	14	1295.4	1304.7	63	63	63		0.00	
GR	684	1000	677.1	1030	676.8	1100	677.9	1200	673.9	1250
GR	672.1	1291	671.2	1295.4	668	1296.7	666.6	1300	668	1303.3
GR	671.2	1304.7	671.8	1310	672.5	1327	684	1352		
NC	.075	.075	.025	.1	.3					
X1	702	0			1	1	1		0.01	
BT	10	1000	684	1030	677.1	0	1100	676.8		0
BT	1200	677.9	0	1295.4	679.9	671.3	1296.7	679.9	674.5	1300
BT	680	675.9	1303.3	680.3	674.5	1304.7	680.4	671.3	1352	684
BT	0									
X1	748	14	1295.4	1304.7	46	46	46			
BT	10	1000	684	0	1030	677.1	0	1100	676.8	0
BT	1200	677.9	0	1295.4	679.9	671.8	1296.7	679.9	675.1	1300
BT	680	676.4	1303.3	680.3	675.1	1304.7	680.4	671.8	1352	684
BT	0									
GR	684	1000	677.1	1030	676.8	1100	677.9	1200	674.4	1250
GR	672.7	1291	671.8	1295.4	668.5	1296.7	667.2	1300	668.5	1303.3
GR	671.8	1304.7	672.3	1310	673	1327	684	1352		
NC	.075	.075	.055	.1	.3					
X1	749	0			1	1	1		0	
X2	837	11	1133	1152	88	88	88		-0.2	
GR	697.6	1000	685.2	1031	674.9	1200	673.1	1133	667.9	1137
GR	667.6	1142	668.4	1147	668	1147	672.8	1152	673.5	1169
GR	696.8	1208								
X1	925	0			88	88	88		0.2	
X1	1025	11	1115	1145	100	100	100		-2.10	
GR	692.5	1000	683.3	1030	686.7	1041	679.3	1100	677.3	1115

GR	672.8	1117	671.6	1140	671.9	1143	673.3	1145	674.6	1191
GR	692.5	1283								
X1	1031	0			5.6	5.6	5.6		0.1	
NC	.075	.075	.030	.1	.3					
X1	1036	12	1095	1105	5.6	5.6	5.6		0	
GR	714.8	1000	684.8	1001	677.4	1060	675.4	1075	674.8	1095
GR	669.7	1095	669.7	1097.5	669.7	1100	669.7	1102.5	674.8	1105
GR	676.9	1110	715.7	1200						
SB		1.6	2.5		10		84		669.7	669.7
X1	1163	12	1090	1110	125.5	125.5	125.5		0	
X2			1	679	714.8					
BT	7	1000	714.8	0	1095	715.1	674.8	1097.5	715.1	678.1
BT	1100	715.1	679	1102.5	715.1	678.1	1105	715.2	674.8	1200
BT	715.7	0								
GR	714.8	1000	684.8	1001	677.4	1060	675.4	1075	674.8	1090
GR	669.7	1095	669.7	1095	669.7	1100	669.7	1105	669.7	1110
GR	674.8	1110	715.7	1200						
NC	.075	.075	.055	.1	.3					
X1	1169	11	1115	1145	5.6	5.6	5.6		-0.94	
GR	692.5	1000	683.3	1030	686.7	1041	679.3	1100	677.3	1115
GR	672.8	1117	671.6	1140	671.9	1143	673.3	1145	674.6	1191
GR	692.5	1283								
X1	1175	0			5.6	5.6	5.6		0.94	
X1	1200	11	1176	1187	25	25	25		-1.85	
GR	692.5	1000	686	1055	684.7	1091	681	1100	681	1176
GR	677.3	1178	675.8	1182	677.4	1185	676.5	1185	680.5	1187
GP	692.5	1232								
X1	1225	0			24.8	24.8	24.8		0.4	
NC	.075	.075	.015	.1	.3					
X1	1250	9	1032.9	1036.1	24.8	24.8	24.8		0	
GR	682.9	1000	682.9	1008.5	677.8	1032.9	674.8	1032.9	674.8	1034.5
GR	674.8	1036.1	677.8	1036.1	682.8	1072.9	682.8	1080.4		
SB		1.5	2.5		3		9.5		674.8	674.8
X1	1251	9	1032.9	1036.1	1	1	1		0	
X2			1	677.8	682.8					
BT	7	1000	682.9	0	1008.5	682.9	0	1032.9	682.8	677.8
BT	1034.5	682.8	677.8	1036.1	682.8	677.8	1072.9	682.8	0	1080.4
BT	682.8	0								
GR	682.9	1000	682.9	1008.5	677.8	1032.9	674.8	1032.9	674.8	1034.5
GR	674.8	1036.1	677.8	1036.1	682.8	1072.9	682.8	1080.4		
NC	.075	.075	.015	.1	.3					
X1	1275	11	1176	1187	26	26	26		-0.46	
GR	692.5	1000	686	1055	684.7	1091	681	1100	681	1176
GR	677.3	1178	675.8	1182	677.4	1185	676.5	1185	680.5	1187
GR	692.5	1232								
X1	1306	0			24.8	24.8	24.8		0.46	

EJ
T1 LUT2 BRANCH
T2 GASTON CO. FIS JOB # 207022
T3 100 YEAR FLOODWAY

J1 -10 6 673.5
 J2 15 -1
 EJ

ER
 LILONG JOB RTI,A25,PO1198,LP,M=1,T=2,P=200,PRTY=1
 //*PROCLIB=RTI.MG.PROCLIB
 // EXEC HEC2
 //SYSIN DD *

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

J1	-1	4							646.73	
J2	0		-1							
J3	38	39	40	41	43	42	1	2	26	53
J3	54	25	50	0	200					
NC	.09	.10	.05	.1	.3					
QT	5	1190	1559	1794	2492	1794				
ET	5	0	0	0	0	-10.4				
X1	1250	19	1427	1479	1250	1250	1250			
GR	654.8	1000	653.5	1050	651.4	1100	649.8	1150	647.6	1200
GR	646.6	1250	645.6	1300	645.2	1350	645.6	1400	646.2	1427
GR	639.6	1436	639.7	1445	639.9	1456	639.4	1462	646.1	1479
GR	645.1	1500	645.4	1550	645.2	1596	654.8	1626		
NC	.07	.11	.05							
QT	5	1082	1509	1730	2387	1730				
X1	4200	16	1262	1292	2950	2950	2950			
GR	662.9	1000	655.1	1050	653.8	1100	653.4	1150	653.5	1200
GR	654.3	1250	655.3	1262	649.5	1267	648.1	1272	646.8	1278
GR	648.1	1284	649.7	1288	653.3	1292	655.3	1300	658.9	1350
GR	662.6	1397								
NC	.09	.09	.05							
QT	5	1010	1378	1364	2105	1564				
X1	11250	13	1069	1098	7050	7050	7050			
GR	678.9	1000	671.1	1042	671.5	1069	664.5	1073	663.7	1076
GR	664.6	1085	664.6	1089	672.4	1098	671.2	1150	671.0	1200
GR	672.3	1250	672.7	1262	678.9	1300				
NC	.06	.06	.05							
QT	5	910	1190	1320	1680	1320				
X1	16465	11	1056	1106	5215	5215	5215		-0.78	
X4	2	686.6	1056	689.4	1114					
GR	695	1000	689.1	1050	687.1	1056	680.3	1069	679.4	1075
GR	620.3	1090	686.4	1106	690.8	1150	691.3	1200	691.8	1250
GR	697.5	1300								
X1	16482	0			17.3	17.3	17.3		0.10	
NC	.06	.06	.015							
X1	16500	18	1186.6	1207.4	17.3	17.3	17.3		0.00	
GR	707.9	1000	705.8	1050	704.0	1100	694.4	1122	692.8	1150

GR 690.8	1186.6	678.8	1186.6	678.8	1197	678.8	1200	678.8	1207.4
GR 690.8	1207.4	690.9	1250	691	1300	691.1	1350	691.2	1372
GR 694.4	1400	696.9	1422	707.9	1438				
SB 0.9	1.3	2.5		21	0.8	252		679.9	678.8
X1 16580	18	1186.6	1207.4	79.0	79.0	79.0		0.00	
X2		1	691.9	702.1					
BT 13	1000	707.9	0	1050	705.8	0	1100	704.0	0
BT 1150	702.6	0	1186.6	702.3	691.9	1197	702.2	691.9	1200
BT 702.1	691.9	1207.4	702.2	691.9	1250	702.3	0	1300	705.1
BT 0	1350	704.1	0	1400	705.9	0	1438	707.9	0
GR 707.9	1000	705.8	1050	704.0	1100	695.5	1122	694.0	1150
GR 691.9	1186.6	679.9	1186.6	679.9	1197	679.9	1200	679.9	1207.4
GR 691.9	1207.4	692	1250	692.1	1300	692.3	1350	692.3	1372
GR 695.5	1400	698	1422	707.9	1438				
NC .06	.06	.05							
X1 16598	11	1056	1106	17.3	17.3	17.3		0.27	
X4 2	688.6	1056	689.4	1114					
GR 695	1000	689.1	1050	687.1	1056	680.3	1069	679.4	1075
GR 680.3	1090	685.4	1106	690.8	1150	691.3	1200	691.8	1250
GR 697.5	1300								
X1 16615	0			17.3	17.3	17.3		-0.27	
NC .09	.09	.05							
ET					7.1	1150	1210		
X1 19000	11	1176	1200	2385	2385	2385		0.00	
GR 702.6	1000	695.8	1050	694.3	1100	693.5	1150	693.8	1176
GR 687.8	1181	686.9	1193	687.8	1197	694.2	1200	698.7	1250
GR 702.6	1276								
ET					-10.4				
X1 19023	0			22.9	22.9	22.9		0.05	
X1 19046	13	1134.4	1147.4	22.9	22.9	22.9		0.00	
GR 696.7	1000	694.8	1050	693.8	1100	695.4	1130	695.6	1134.3
GR 687.2	1134.4	687.3	1135.9	687.0	1140.7	686.7	1147.4	696.5	1147.5
GR 696.7	1151.4	699.3	1200	702.6	1222				
X1 19047	0			1.0	1.0	1.0		0.00	
BT 12	1000	696.7	0	1050	694.8	0	1100	693.8	0
BT 1130	695.4	0	1134.3	695.6	0	1134.4	695.7	695.2	1140.7
BT 696.1	695.6	1147.4	696.5	696.0	1147.5	696.5	0.0	1151.4	696.7
BT 0.0	1200	699.3	0.0	1222	702.6	0.0			
X1 19053	13	1134.4	1147.4	6.4	6.4	6.4		0.00	
BT 12	1000	696.7	0	1050	694.8	0	1100	693.8	0
BT 1130.0	695.4	0	1134.3	695.6	0	1134.4	695.7	695.2	1140.7
BT 696.1	695.6	1147.4	696.5	696.0	1147.5	696.5	0	1151.4	696.7
BT 0.0	1200	699.3	0.0	1222	702.6	0			
GR 696.7	1000	694.8	1050	693.8	1100	695.4	1130	695.6	1134.3
GR 687.2	1134.4	687.3	1135.9	687.0	1140.7	686.7	1147.4	696.5	1147.5
GR 696.7	1151.4	699.3	1200	702.6	1222				
X1 19054	0			1.0	1.0	1.0		0.00	
NC .10	.10	.05							
X1 19077	11	1176	1200	22.9	22.9	22.9		0.05	
GR 702.6	1000	695.8	1050	694.3	1100	693.5	1150	693.8	1176

GR 687.8	1181	686.9	1193	687.8	1197	694.2	1200	690.7	1250
GR 702.6	1276								
ET					7.1	1150	1200		
X1 19100	0			22.9	22.9	22.9		-0.05	
NC .08	.11	.05							
ET					-10.4				
X1 19235	10	1095	1127	135	135	135		0.00	
GR 703.7	1000	694.7	1046	694.4	1050	691.4	1095	688.7	1100
GR 687.3	1106	688.7	1110	693.4	1127	693.6	1133	703.7	1148
X1 19266	0			30.9	30.9	30.9		0.92	
NC .06	.06	.06							
X1 19297	22	1119.5	1120.5	30.9	30.9	30.9		0.00	
GR 706.1	1000	704.2	1004	702.9	1040	696.5	1060	696.2	1064
GR 696.0	1067	694.0	1097	693.2	1109	690.5	1114	689.6	1119.5
GR 689.3	1119.6	689.1	1120	689.3	1120.4	689.6	1120.5	690.4	1123.5
GR 690.5	1124	691.3	1127	694.4	1138	695.2	1141	695.4	1147
GR 701.6	1150	706.1	1173						
SB	1.5	2.5		1.0		0.8			
X1 19302	22	1119.5	1120.5	4.5	4.5	4.5		0.00	
X2		1	690.1	697					
BT 18	1000	706.1	0	1004	704.2	0	1040	702.9	0
BT 1067	699.6	0	1097	699.5	0	1097	697.3	0	1119.5
BT 697.3	689.6	1119.6	697.3	690.0	1120	697.3	690.1	1120.4	697.3
BT 690.0	1120.5	697.3	689.6	1123.5	697	0	1127.0	697.3	0
BT 1127	699.1	0	1138	699.2	0	1138	701.6	0	1150
BT 701.6	0	1173	706.1	0					
GR 706.1	1000	704.2	1004	702.9	1040	696.5	1060	696.2	1064
GR 696	1067	694	1097	693.2	1109	690.5	1114	689.6	1119.5
GR 689.3	1119.6	689.1	1120	689.3	1120.4	689.6	1120.5	690.4	1123.5
GR 690.5	1124	691.3	1127	694.4	1138	695.2	1141	695.4	1147
GR 701.6	1150	706.1	1173						
NC .08	.11	.05							
ET					7.1	1098	1148		
X1 19325	14	1123	1148	22	22	22			
GR 708.0	1000	703.2	1010	698.5	1045	698.2	1050	699.9	1100
GR 699.3	1123	697.5	1126	692.5	1137	697.5	1148	700.5	1148
GR 702.8	1153	706.4	1162	706.4	1200	707.8	1203		
ET					7.1	1098	1148		
X1 19347	0	0	0	22.0	22.0	22.0			
NC .08	.08	.05							
ET					-10.4				
X1 19500	13	1119	1173	153.0	153.0	153.0			
GR 707.5	1000	704.6	1020	701.8	1024	700.1	1050	700.0	1100.0
GR 700.9	1119	697.1	1128	692.3	1133	697.1	1170	699.5	1173
GR 700.6	1200	701.2	1206	707.6	1216				
NC .06	.08	.05							
X1 20235	8	1060	1091	735.0	735.0	735.0		0.00	
GR 710.9	1000	704.1	1052	699.6	1060	693.7	1070	699.6	1091
GR 704.2	1102	704.2	1132	709.8	1150				
X1 20260	0			25.0	25.0	25.0		2.45	

NC	.06	.08	.025							
X1	20285	20	1101	1111	25.0	25.0	25.0	0.00		
GR	724	1000	715.8	1035	714	1050	709.0	1088	704.5	1096
GR	703.8	1100	703.7	1101	700.1	1102.5	698.7	1106	700.1	1109.5
GR	703.7	1111	704.5	1127	709.2	1138	709.1	1150	709.1	1168
GR	714.7	1186	718.1	1200	720.3	1250	722.7	1300	724.0	1331
SB		1.6	2.5		10		79		699.2	698.7
X1	20365	20	1101	1111	80	80	80		-0.01	
X2			1	799.2	717.8					
BT	13	1000	724	0	1050	719.7	0	1100	718.2	0
BT	1101	718.1	704.2	1102.5	718.1	707.7	1106	718.1	709.2	1109.5
BT	718.0	707.7	1111	718.0	704.2	1150	717.8	0	1200	718.1
BT	0	1250	720.3	0	1300	722.7	0	1331	724	0
GR	724	1000	716.4	1036	714.5	1050	709.5	1088	705.0	1096
GR	704.4	1100	704.2	1101	700.7	1102.5	699.2	1106	700.7	1109.5
GR	704.2	1111	705.0	1127	709.7	1138	709.7	1150	709.6	1168
GR	715.3	1186	718.1	1200	720.3	1250	722.7	1300	724	1331
NC	.09	.09	.05							
ET						7.1	1052	1102		
X1	20390	8	1052	1102	25.0	25.0	25.0		4.95	
X4	2	710.9	1000	709.8	1150					
GR	720	920	704.1	1052	699.6	1060	693.7	1070	699.6	1091
GR	704.2	1102	704.2	1132	720	1270				
ET						7.1	1052	1102		
X1	20415	0			25.0	25.0	25.0		0.00	
NC	.07	.07	.05							
ET						7.1	1105	1155		
X1	20771	13	1121	1143	356.0	356.0	356.0		0.00	
X4	2	715.3	1000	715.3	1276					
GR	720	850	708.8	1050	706.0	1100	705.8	1121	702.0	1127
GR	698.7	1132	702.0	1140	704.5	1143	705.1	1150	707.0	1166
GR	707.5	1200	711.9	1250	720	1350				
ET						7.1	1105	1155		
X1	20821	0			50.0	50.0	50.0		-0.03	
NC	.07	.07	.015							
ET						7.1	1265	1315		
X1	20871	16	1282	1290	50.0	50.0	50.0		0.00	
GR	741.0	1000	738.7	1100	715.3	1154	713.3	1200	709.8	1282
GR	698.7	1282	698.7	1286	698.7	1290	709.8	1290	709.9	1300
GR	711.8	1400	711.9	1404	715.3	1430	737.6	1500	739.2	1600
GR	740.4	1700								
SB		1.3	2.5		8		88		700.1	698.7
NC	.07	.07	.05							
ET						7.1	1265	1315		
X1	20990	16	1282	1290	119	119	119		-0.01	
X2			1	711.2	735.9					
BT	11	1000	741.0	0	1100	738.7	0	1200	757.2	0
BT	1282	736.1	711.2	1286	736.1	711.2	1290	736	711.2	1300
BT	735.9	0	1400	736.1	0	1500	737.6	0	1600	739.2
BT	0	1700	740.4	0						

GR	741.0	1000	738.7	1100	716.7	1154	714.8	1200	711.2	1282
GR	700.1	1282	700.1	1286	700.1	1290	711.2	1290	711.4	1300
GR	713.3	1400	713.3	1404	716.7	1430	737.6	1500	739.2	1600
GR	740.4	1700								
ET						7.1	1106	1156		
X1	21039	13	1121	1143	50.0	50.0	50.0		1.37	
X4	2	715.3	1000	715.3	1276					
GR	740	730	708.8	1050	706.0	1100	705.8	1121	702.0	1127
GR	698.7	1132	702	1140	704.5	1143	705.1	1150	707	1166
GR	707.5	1200	711.9	1250	740	1730				
ET						7.1	1106	1156		
X1	21089	0			50.0	50.0	50.0		0.10	
NC	.06	.06	.05							
QT	5	1030	1750	2160	3410	2160				
ET						7.1	1586	1636		
X1	21500	31	1600	1628	411.0	411.0	411.0		0.00	
X4	2	717.5	1000	717.5	2030					
GR	740	700	714.1	1050	712.7	1094	707.3	1105	712.8	1114
GR	712.5	1150	711.8	1200	710.4	1250	711.3	1300	709.3	1350
GR	708.4	1400	707.9	1450	707.0	1500	706.2	1550	706.7	1600
GR	702.6	1607	701.4	1612	702.6	1618	706.5	1628	707.0	1650
GR	706.9	1700	707.3	1750	708.5	1777	707.2	1784	709.6	1798
GR	710.1	1850	712.8	1900	716.7	1946	715.5	1967	716.4	2000
GR	740	2600								
ET						7.1	1570	1645		
X1	21545	0			44.5	44.5	44.5		0.50	
ET						7.1	1520	1600		
X1	21589	17	1543.3	1570.8	44.5	44.5	44.5		0.00	
X4	2	723	1000	723	1854					
GR	740	650	721.4	1100	719.6	1200	718	1300	716.2	1400
GR	715.6	1500	715.8	1542	705.4	1543.3	702.4	1549	703.0	1557
GR	703.6	1562	705.3	1570.8	716	1572	716.2	1600	718.1	1700
GR	721.3	1800	740	2400						
ET						7.1	1520	1600		
X1	21590	0			1.0	1.0	1.0		0.00	
BT	15	1000	723.0	0	1100	721.4	0	1200	719.6	0
BT	1300	718	0	1400	716.2	0	1500	715.6	0	1542
BT	715.8	0	1543.3	715.8	713.8	1557	715.8	713.8	1570.8	715.9
BT	713.9	1572	716.0	0	1600	716.2	0	1700	718.1	0
BT1800.0	721.3	0	1854	723	0					
ET						7.1	1520	1600		
X1	21610	17	1543.3	1570.8	20.0	20.0	20.0		0.00	
X4	2	723	1000	723	1854					
BT	15	1000	723.0	0	1100	721.4	0	1200	719.6	0
BT	1300	718.0	0	1400	716.2	0	1500	715.6	0	1542.0
BT	715.8	0	1543.3	715.8	713.8	1557	715.8	713.8	1570.8	715.9
BT	713.9	1572	716.0	0	1600	716.2	0	1700	718.1	0
BT1800.0	721.3	0	1854	723	0					
GR	740	650	721.4	1100	719.6	1200	718.0	1300	716.2	1400
GR	715.6	1500	715.8	1542	705.4	1543.3	702.4	1549	703.0	1557

GR	703.6	1562	705.3	1570.8	716.0	1572	716.2	1600	718.1	1700
GR	721.3	1800	740	2400						
ET						7.1	1520	1600		
X1	21611	0			1.0	1.0	1.0		0.00	
ET						7.1	1110	1170		
X1	21656	13	1131	1154	44.5	44.5	44.5		0.38	
X4	2	717.8	1000	717.8	1272					
GR	740	45	710.2	1050	706.4	1065	706.1	1100	706.9	1131
GR	703.2	1130	702.9	1141	701.7	1145	702.9	1149	706.2	1154
GR	709.2	1200	714.4	1250	740	1845				
ET						7.1	1116	1166		
X1	21700	0	0	0	44.5	44.5	44.5		-0.38	
NC	.06	.00	.05							
QT	5	970	1650	2040	3220	2040				
ET						7.1	1090	1420		
X1	24500	15	1291	1327	2800	2800	2800		0.00	
X4	2	722.2	1000	722.2	1467					
GR	740	765	720.0	1050	717.5	1100	715.6	1150	714.8	1200
GR	714.4	1250	714.0	1291	708.0	1309	705.9	1315	708.0	1319
GR	713.0	1327	713.7	1350	715.3	1400	719.7	1450	740	1640
ET						-10.4				
X1	24520	0			19.8	19.8	19.8		-0.36	
X1	24540	16	1516.8	1546.2	19.8	19.8	19.8		0.00	
X4	2	725.2	1000	725.2	1692					
GR	740	765	723.0	1100	720.6	1200	718.4	1300	717.9	1400
GR	719.1	1500	719.5	1516	708.0	1516.8	707.8	1522	705.2	1531.5
GR	707.4	1538.5	712.6	1546.2	720.1	1547	721.2	1600	724.2	1677
GR	740	1800								
X1	24541	0			1.0	1.0	1.0		0.00	
BT	14	1000	725.2	0	1100	723.0	0	1200	720.6	0
BT	1300	718.4	0	1400	717.9	0	1500	719.1	0	1516
BT	719.5	0	1516.8	719.5	717.5	1531.5	719.8	717.8	1546.2	720.1
BT	718.1	1547	720.1	0	1600	721.2	0	1677	724.2	0
BT	1692	725.2	0							
X1	24559	16	1516.8	1546.2	18.7	18.7	18.7		0.00	
X4	2	725.2	1000	725.2	1692					
BT	14	1000	725.2	0	1100	723.0	0	1200	720.6	0
BT	1300	718.4	0	1400	717.9	0	1500	719.1	0	1516
BT	719.5	0	1516.8	719.5	717.5	1531.5	719.8	717.8	1546.2	720.1
BT	718.1	1547	720.1	0	1600	721.2	0	1677	724.2	0
BT	1692	725.2	0							
GR	740	765	723.0	1100	720.6	1200	718.4	1300	717.9	1400
GR	719.1	1500	719.5	1516	708.0	1516.8	707.8	1522	705.2	1531.5
GR	707.4	1538.5	712.6	1546.2	720.1	1547	721.2	1600	724.2	1677
GR	740	1800								
X1	24560	0			1.0	1.0	1.0		0.00	
ET						7.1	1130	1410		
X1	24580	15	1291	1327	19.8	19.8	19.8		-0.36	
X4	2	722.2	1000	722.2	1467					
GR	740	765	720.0	1050	717.5	1100	715.6	1150	714.8	1200

GR	714.4	1250	714.0	1291	708.0	1309	705.9	1315	708.0	1319
GR	713.0	1327	713.7	1350	715.3	1400	719.7	1450	740	1615
ET						7.1	1056.05	1449.98		
XJ	24600	0			19.8	19.8	19.8		0.36	
NC	.07	.07	.05							
ET						7.1	1075	1590		
X1	25470	24	1279	1310	870	870	870		0.00	
X4	2	723.7	1000	723.7	1681					
GR	740	500	717.1	1050	715.8	1100	713.4	1150	714.1	1200
GR	715.4	1250	714.9	1279	710.6	1287	708.6	1297	710.6	1300
GR	716.2	1310	715.8	1350	715.9	1400	716.3	1450	716.9	1500
GR	717.5	1550	718.7	1600	719.6	1611	722.1	1632	722.8	1643
GR	722.9	1654	721.6	1664	717.1	1672	740	1850		
ET						7.1	1075	1590		
X1	25480	0			10.0	10.0	10.0		0.00	
ET						7.1	1030	1600		
X1	25494	39	1095.5	1313.0	14	14	14			
X4	2	723.7	1000	723.7	1681					
GR	740	500	717.1	1050	716.8	1095	715.3	1095.4	715.5	1095.5
GR	714.2	1130.5	715.7	1130.5	715.7	1132.5	714.2	1132.5	713.2	1166.5
GR	715.5	1166.5	715.5	1168.5	713.2	1168.5	714.1	1202.5	715.4	1202.5
GR	715.3	1204.5	715.1	1239	714.9	1272	714.4	1287	710.5	1292.5
GR	714.8	1292.5	714.8	1293.5	710.5	1293.5	709.8	1296	710.0	1308.5
GR	714.8	1308.5	714.8	1309.5	710.0	1309.5	714.3	1313	714.3	1313.1
GR	715.8	1313.2	715.9	1400	716.3	1450	716.9	1500	717.5	1550
GR	718.7	1600	719.6	1611	722.9	1654	740	1850		
ET						7.1	1030	1600		
X1	25495	0			1.0	1.0	1.0		0.00	
BT	24	1000	723.7		1050	717.1		1095	716.8	
BT	1095.4	716.8		1095.5	716.8	715.8	1130.5	716.7	715.7	1166.5
BT	715.5	715.5	1202.5	716.4	715.4	1239	716.2	715.2	1272	715.9
BT	714.9	1292.5	715.8	714.8	1296	715.8	714.8	1308.5	715.8	714.8
BT	1313	715.8	714.8	1313.1	715.8		1313.2	715.8		1400
BT	715.9		1450	716.3		1500	716.9		1550	717.5
BT		1600	718.7		1611	719.6		1654	722.9	
BT	1681	723.7								
ET						7.1	1030	1600		
X1	25496	0	0	0	1.0	1.0	1.0		0.00	
X2							1			
ET						7.1	1030	1600		
X1	25497	0			1.0	1.0	1.0		0.00	
ET						7.1	1075	1590		
X1	25510	24	1279	1310	13.0	13.0	13.0		0.00	
X4	2	723.7	1000	723.7	1681					
GR	740	500	717.1	1050	715.8	1100	713.4	1150	714.1	1200
GR	715.4	1250	714.9	1279	710.6	1287	708.6	1297	710.6	1300
GR	716.2	1310	715.8	1350	715.9	1400	716.3	1450	716.9	1500
GR	717.5	1550	718.7	1600	719.6	1611	722.1	1632	722.8	1643
GR	722.9	1654	721.6	1664	717.1	1672	740	1850		
ET						7.1	1075	1590		

X1	25520	0			10.0	10.0	10.0			0.00	
NC	.05	.06	.05								
ET						7.1	1156	1400			
X1	127.700	15	1241	1267	2180	2180	2180			-3.07	
X4	2	735.3	1000	735.3	1459						
GR	740	900	733.2	1050	730.9	1100	726.5	1150	725.2	1200	
GR	725.0	1241	720.8	1254	718.8	1258	720.8	1262	724.4	1267	
GR	724.7	1300	725.3	1350	726.4	1400	728.0	1435	740	1500	
ET						7.1	1200	1350			
X1	28642				942	942	942			3.07	
ET						7.1	1190	1350			
X1	28692	0			50.0	50.0	50.0			0.98	
NC	.05	.06	.015								
ET						7.1	1277	1318			
X1	28742	21	1277	1318	50.0	50.0	50.0			0.00	
GR	741.1	1000	737.2	1039	735.1	1089	734.6	1100	732.8	1139	
GR	731.5	1200	729.7	1277	720.7	1277	720.7	1297	720.7	1318	
GR	729.7	1318	729.8	1350	729.9	1414	729.9	1450	729.9	1474	
GR	733.7	1500	734.6	1550	736.2	1600	738.1	1650	739.7	1700	
GR	741.1	1747									
SB	0.9	1.5	3.0		28.5	1.5	243		721.0	720.7	
ET						7.1	1277	1318			
X1	28858	21	1277	1318	115	115	115			-0.00	
X2		1	730.0	734.1							
BT	16	1000	741.1	0	1100	737.2	0	1200	735.5	0	
BT	1277	734.6	730.0	1277	734.6	730.0	1297	734.3	730	1318	
BT	734.1	730	1350	733.7	0	1414	733.2	0	1450	733.3	
BT	0	1500	733.7	0	1550	734.6	0	1600	736.2	0	
BT	1650	738.1	0	1700	739.7	0	1747	741.1	0		
GR	741.1	1000	737.5	1039	735.4	1089	734.9	1100	733.1	1139	
GR	731.7	1200	730.0	1277	721	1277	721	1297	721	1318	
GR	730.0	1318	730.0	1350	730.1	1414	730.1	1450	730.2	1474	
GR	733.7	1500	734.6	1550	736.2	1600	738.1	1650	739.7	1700	
GR	741.1	1747									
ET						7.1	1277	1318			
X1	28859	0			1.0	1.0	1.0			0.00	
NC	.07	.08	.05								
QT	5	770	1320	1640	2610	1640					
ET						7.1	1125	1380			
X1	28909	16	1225	1298	50.0	50.0	50.0			0.06	
X4	2	736.8	1000	736.8	1547						
GR	740	900	734	1050	729.6	1100	726.7	1150	725.4	1200	
GR	725.3	1225	721.7	1241	720.9	1259	721.7	1274	721.9	1283	
GR	724.6	1298	724.5	1350	729.7	1400	731.4	1450	732.1	1500	
GR	740	1600									
ET						7.1	1190	1330			
X1	28959	0	0	0	50.0	50.0	50.0			-0.06	
NC	.08	.10	.05								
ET						7.1	1230	1480			
X1	130.500	21	1289	1311	1541	1541	1541			-2.05	

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 56,51,52

T1 LUTZ BRANCH
 T2 GASTON CO. FTS JOB # 207022
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-1.	4.	0.	0.	0.0	0.0	0.0	0.	672.510	0.0
J2	NPROF	IPLOT	PREVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	0.0	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	38.000	39.000	40.000	41.000	43.000	42.000	1.000	2.000	26.000	53.000
	54.000	25.000	50.000	0.0	200.000	0.0	0.0	0.0	0.0	0.0
NC	0.075	0.075	0.055	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	550.000	1020.000	1250.000	1800.000	1250.000	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	0.0	7.100	1066.340	1112.470	0.0
X1	575.000	12.000	1054.000	1126.000	575.000	575.000	575.000	0.0	0.0	0.0
GR	675.100	1017.000	677.000	1030.000	673.700	1054.000	667.300	1098.000	655.200	1097.000
GR	668.700	1106.000	668.400	1106.000	681.100	1126.000	680.900	1136.000	676.800	1144.000
GR	676.700	1200.000	678.000	1298.000	0.0	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0
X1	638.000	0.0	0.0	0.0	63.000	63.000	63.000	0.0	-1.280	0.0
X1	701.000	14.000	1295.400	1304.700	63.000	63.000	63.000	0.0	0.0	0.0
GR	634.000	1000.000	677.100	1030.000	676.800	1100.000	677.900	1200.000	673.900	1258.000
GR	672.100	1291.000	671.200	1295.400	668.000	1296.700	666.600	1300.000	668.000	1303.300
GR	671.200	1304.700	671.000	1310.000	672.500	1327.000	684.000	1352.000	0.0	0.0
VC	0.075	0.075	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	702.000	0.0	0.0	0.0	1.000	1.000	1.000	0.0	0.010	0.0
BT	10.000	1000.000	684.000	0.0	1030.000	677.100	0.0	1100.000	676.800	0.0
BT	1200.000	677.900	0.0	1295.400	679.900	671.300	1296.700	679.900	674.500	1300.000
BT	680.000	675.300	1303.300	680.300	674.500	1304.700	680.400	671.300	1352.000	684.000
BT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	748.000	14.000	1295.400	1304.700	46.000	46.000	46.000	0.0	0.0	0.0
BT	10.000	1000.000	684.000	0.0	1030.000	677.100	0.0	1100.000	676.800	0.0
BT	1200.000	677.900	0.0	1295.400	679.900	671.300	1296.700	679.900	675.100	1300.000

BT	680.000	676.400	1303.300	680.300	675.100	1304.700	680.400	671.800	1352.000	684.000
BT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GR	694.000	1000.000	677.100	1030.000	676.800	1100.000	677.900	1200.000	674.400	1258.000
GR	672.700	1291.000	671.800	1295.400	668.500	1296.700	667.200	1300.000	668.500	1303.300
GR	671.800	1304.700	672.300	1310.000	673.000	1327.000	684.000	1352.000	0.0	0.0
NC	0.075	0.075	0.055	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	749.000	0.0	0.0	0.0	1.000	1.000	1.000	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	7.100	1105.000	1165.000	0.0	0.0

X1	837.000	11.000	1133.000	1152.000	88.000	88.000	88.000	0.0	-0.200	0.0
GR	697.600	1000.000	685.200	1031.000	674.900	1100.000	673.100	1133.000	667.900	1137.000
GR	667.600	1142.000	668.400	1147.000	668.000	1147.000	672.800	1152.000	673.500	1169.000
GR	696.800	1208.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	7.100	1112.000	1162.000	0.0	0.0

X1	925.000	0.0	0.0	0.0	88.000	88.000	88.000	0.0	0.200	0.0
ET	0.0	0.0	0.0	0.0	0.0	7.100	1110.000	1160.000	0.0	0.0

X1	1025.000	11.000	1115.000	1145.000	100.000	100.000	100.000	0.0	-2.100	0.0
GR	692.500	1000.000	683.300	1030.000	686.700	1041.000	679.300	1100.000	677.300	1115.000
GR	672.800	1117.000	671.600	1140.000	671.900	1143.000	673.300	1145.000	674.600	1191.000
GR	692.500	1283.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0

X1	1031.000	0.0	0.0	0.0	5.600	5.600	5.600	0.0	0.100	0.0
NC	0.075	0.075	0.030	0.100	0.300	0.0	0.0	0.0	0.0	0.0

X1	1036.000	12.000	1095.000	1105.000	5.600	5.600	5.600	0.0	0.0	0.0
GR	714.800	1000.000	684.800	1001.000	677.400	1060.000	675.400	1075.000	674.800	1095.000
GR	669.700	1095.000	669.700	1097.500	669.700	1100.000	669.700	1102.500	674.800	1105.000
GR	676.900	1110.000	715.700	1200.000	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	1.600	2.500	0.0	10.000	0.0	84.000	0.0	669.700	669.700

X1	1163.000	12.000	1090.000	1110.000	125.500	125.500	125.500	0.0	0.0	0.0
X2	0.0	0.0	1.000	679.000	714.800	0.0	0.0	0.0	0.0	0.0
BT	7.000	1000.000	714.800	0.0	1095.000	715.100	674.800	1097.500	715.100	678.100
BT	1170.000	715.100	679.800	1102.500	715.100	678.100	1105.000	715.200	674.800	1200.000
BT	715.700	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GR	714.800	1000.000	684.800	1001.000	677.400	1060.000	675.400	1075.000	674.800	1090.000
GR	669.700	1090.000	669.700	1095.000	669.700	1100.000	669.700	1105.000	669.700	1110.000
GR	674.800	1110.000	715.700	1200.000	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.075	0.075	0.055	0.100	0.300	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	7.100	1100.000	1170.000	0.0	0.0

X1	1169.000	11.000	1115.000	1145.000	5.500	5.600	5.600	0.0	-0.200	0.0
GR	692.500	1000.000	683.300	1030.000	686.700	1041.000	679.300	1100.000	677.300	1115.000
GR	672.800	1117.000	671.600	1140.000	671.900	1143.000	673.300	1145.000	674.600	1191.000
GR	692.500	1283.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	7.100	1110.000	1160.000	0.0	0.0

X1	1175.000	0.0	0.0	0.0	5.600	5.600	5.600	0.0	0.400	0.0
ET	0.0	0.0	0.0	0.0	0.0	7.100	1140.000	1190.000	0.0	0.0

X1	1200.000	11.000	1176.000	1187.000	25.000	25.000	25.000	0.0	-1.850	0.0
GR	692.500	1000.000	686.000	1055.000	684.700	1091.000	681.000	1100.000	681.000	1176.000

 HFC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

T1 LUTZ BRANCH
 T2 GASTON CO. FIS JOB # 207022
 T3 100 YEAR FLOODWAY

J1	ICHECK	INC	NINV	IDIP	STRT	METRIC	HVINS	Q	WSEL	EQ
	-10.	6.	0.	0.	0.0	0.0	0.0	0.	672.510	0.0

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLOD	IBW	CRMIN	ITRACE
	15.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

*PROF 2

CCHV= 0.100 CCBV= 0.300

*SECNO 575.000

SECNO	DEPTH	CWSEL	CRINS	WSELK	EG	HV	HL	QLOSS	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	ENDST

3470 ENCROACHMENT STATIONS= 1060.3 1112.5 TYPE= 1 TARGET= 52.150

575.00	7.31	672.51	0.0	672.51	673.17	0.56	0.0	0.0	100000.00
1250.	0.	1250.	0.	0.	192.	0.	0.	0.	100000.00
0.0	0.0	6.52	0.0	0.075	0.055	0.075	0.0	663.20	1060.34
0.011060	575.	575.	575.	0	0	0	0.0	52.13	1112.47

*SECNO 636.000

2800 NAT 01= 237.61 WSEL= 673.27 ENC 01= 316.12 WSEL= 674.27 RATIO= -0.3304

NAT 01= 316. RATIOS LOR,CH,ROB= 0.0073 0.9927 0.0 WSEL= 674.27

3470 ENCROACHMENT STATIONS= 1054.0 1126.0 TYPE= 4 TARGET= 0.007

636.00	9.35	673.27	0.0	673.27	673.52	0.25	0.31	0.04	672.42
1250.	0.	1250.	0.	0.	311.	0.	0.	0.	679.02
0.00	0.0	4.02	0.0	0.075	0.055	0.075	0.054	663.92	1054.00
0.002021	63.	63.	63.	2	0	0	0.0	61.69	1115.69

*SECNO 701.000

2800 NAT 01= 84.64 WSEL= 674.54 ENC 01= 84.64 WSEL= 675.54 RATIO= 0.0

NAT 01= 137. RATIOS LOR,CH,ROB= 0.3107 0.4051 0.2842 WSEL= 675.54

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CWSEL	CRINS	WSELK	EG	HV	HL	QLOSS	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	ENDST

 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	ELTPD	ELLC	O	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
575.000	575.00	0.0	0.0	1250.00	665.20	672.51	0.0	6.52	1060.32	1112.47	191.79	0.0
575.000	575.00	0.0	0.0	1250.00	665.20	672.51	0.0	6.52	1060.34	1112.47	191.79	0.0
638.000	63.00	0.0	0.0	1250.00	663.92	673.27	0.0	4.02	1047.83	1115.68	313.12	0.0
638.000	63.00	0.0	0.0	1250.00	663.92	673.27	0.0	4.02	1054.90	1115.69	310.70	0.00
* 701.000	63.00	0.0	0.0	1250.00	666.60	674.54	674.54	10.60	1240.68	1331.44	189.14	0.0
* 701.000	63.00	0.0	0.0	1250.00	666.60	674.95	674.95	13.49	1285.53	1312.44	120.02	0.40
* 702.000	1.00	676.80	675.90	1250.00	666.61	678.76	678.76	9.78	1022.04	1340.58	357.54	0.0
* 702.000	1.00	676.80	675.90	1250.00	666.61	679.49	679.49	10.02	1123.79	1304.70	276.83	0.74
748.000	46.00	676.80	676.40	1250.00	667.20	679.53	0.0	6.47	1019.46	1341.83	537.39	0.0
748.000	46.00	676.80	676.40	1250.00	667.20	680.51	0.0	4.90	1109.68	1304.70	499.27	0.98
749.000	1.00	0.0	0.0	1250.00	667.20	679.77	0.0	1.89	1018.40	1342.38	1220.92	0.0
749.000	1.00	0.0	0.0	1250.00	667.20	680.64	0.0	2.05	1140.20	1326.48	1005.41	0.88
837.000	88.00	0.0	0.0	1250.00	667.40	679.76	0.0	2.90	1066.07	1179.82	640.24	0.0
837.000	88.00	0.0	0.0	1250.00	667.40	680.62	0.0	3.34	1105.00	1165.00	518.52	0.86
925.000	88.00	0.0	0.0	1250.00	667.60	679.82	0.0	2.97	1067.07	1179.57	623.21	0.0
925.000	88.00	0.0	0.0	1250.00	667.60	680.67	0.0	3.79	1112.00	1162.00	443.69	0.85
1025.000	100.00	0.0	0.0	1250.00	669.50	679.92	0.0	1.96	1078.35	1229.11	886.77	0.0
1025.000	100.00	0.0	0.0	1250.00	669.50	680.79	0.0	3.14	1110.00	1160.00	482.63	0.88
1031.000	5.60	0.0	0.0	1250.00	669.60	679.92	0.0	1.99	1079.12	1228.61	872.19	0.0
1031.000	5.60	0.0	0.0	1250.00	669.60	680.88	0.0	2.12	1098.99	1187.82	772.03	0.97
1036.000	5.60	0.0	0.0	1250.00	669.70	679.40	0.0	8.73	1044.04	1115.79	262.33	0.0
1036.000	5.60	0.0	0.0	1250.00	669.70	680.13	0.0	9.64	1078.41	1109.17	200.91	0.74
1163.000	125.50	714.80	679.00	1250.00	669.70	684.83	0.0	2.63	1001.00	1132.06	905.27	0.8
1163.000	125.50	999999.00	0.0	1250.00	669.70	685.56	0.0	2.77	1057.04	1118.89	713.01	0.74
1169.000	5.60	0.0	0.0	1250.00	670.66	684.89	0.0	1.18	1021.75	1248.72	1578.30	0.0
1169.000	5.60	0.0	0.0	1250.00	670.66	685.61	0.0	1.90	1100.00	1170.00	871.84	0.72

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	EMDST	AREA	UIFWSP
1175.000	5.60	0.0	0.0	1250.00	671.60	684.89	0.0	1.33	1024.01	1243.90	1382.92	0.0
1175.000	5.60	0.0	0.0	1250.00	671.60	685.59	0.0	2.50	1110.00	1160.00	617.39	0.70
1200.000	25.00	0.0	0.0	1250.00	673.95	684.87	0.0	2.61	1048.95	1210.31	695.52	0.0
1200.000	25.00	0.0	0.0	1250.00	673.95	685.51	0.0	4.68	1140.00	1190.00	357.76	0.64
1225.000	24.80	0.0	0.0	1250.00	674.35	684.88	0.0	2.87	1052.23	1208.85	633.80	0.0
1225.000	24.80	0.0	0.0	1250.00	674.35	685.69	0.0	3.18	1113.95	1196.10	537.61	0.81
* 1250.000	24.80	0.0	0.0	1250.00	674.80	684.01	684.01	15.56	1000.00	1080.40	273.77	0.0
* 1250.000	24.80	0.0	0.0	1250.00	674.80	684.20	684.20	18.92	1020.05	1053.54	185.93	0.19
1251.000	1.00	682.80	677.80	1250.00	674.80	685.51	0.0	10.55	1000.00	1080.40	394.77	0.0
1251.000	1.00	999999.00	0.0	1250.00	674.80	685.70	0.0	12.40	1013.58	1061.91	307.23	0.19
1275.000	26.00	0.0	0.0	1250.00	675.34	685.74	0.0	6.74	1053.29	1208.38	614.28	0.0
1275.000	26.00	0.0	0.0	1250.00	675.34	686.02	0.0	8.02	1124.30	1194.00	419.11	0.28
1300.000	24.80	0.0	0.0	1250.00	675.80	685.68	0.0	7.51	1063.93	1206.41	535.56	0.0
1300.000	24.80	0.0	0.0	1250.00	675.80	685.87	0.0	9.16	1129.24	1192.89	347.81	0.19

SUMMARY OF ERRORS

CAUTION SECNO= 701.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 701.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 701.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 701.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 701.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 701.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 702.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 702.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 702.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 702.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 702.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 702.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 1250.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 1250.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 1250.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 1250.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 1250.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 1250.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

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

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		
	WIDTH (FT)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
575.000	52.	192.	6.5	672.5	672.5	0.0
638.000	62.	311.	4.0	673.3	673.3	0.0
701.000	27.	120.	10.4	674.9	674.5	0.4
702.000	191.	277.	4.5	679.5	678.8	0.7
748.000	195.	499.	2.5	680.5	679.5	1.0
749.000	186.	1005.	1.2	680.7	679.8	0.9
837.000	60.	519.	2.4	680.7	679.8	0.9
925.000	50.	444.	2.8	680.6	679.8	0.8
1025.000	50.	483.	2.5	680.8	679.9	0.9
1031.000	89.	772.	1.6	680.7	679.9	1.0
1036.000	31.	201.	6.2	680.1	679.4	0.7
1163.000	62.	713.	1.8	685.5	684.8	0.7
1169.000	70.	872.	1.4	685.6	684.9	0.7
1175.000	50.	617.	2.0	685.6	684.9	0.7
1200.000	50.	358.	3.5	685.5	684.9	0.6
1225.000	82.	538.	2.3	685.7	684.9	0.8
1250.000	33.	186.	6.7	684.2	684.0	0.2
1251.000	48.	307.	4.1	685.7	685.5	0.2
1275.000	70.	419.	3.0	686.0	685.7	0.3
1300.000	64.	348.	3.6	685.9	685.7	0.2

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

T1 LUTZ BRANCH
 T2 GASTON CO. FIS JOB # 207022
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	J2	INUM	JOIN	STRT	METRIC	HVINS	0	WSEL	EQ
	-1.	2.	0.	0.	0.011000	0.0	0.0	0.	669.000	0.0
J2	OPROF	ISLOT	PREVS	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
VC	0.075	0.075	0.055	0.100	0.300	0.0	0.0	0.0	0.0	0.0
BT	5.000	550.000	1020.000	1250.000	1800.000	1250.000	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0
X1	575.000	12.000	1054.000	1126.000	575.000	575.000	575.000	0.0	0.0	0.0
GR	676.100	1017.000	677.000	1030.000	673.700	1054.000	667.300	1088.000	665.200	1097.000
GR	668.700	1106.000	668.400	1106.000	681.100	1126.000	660.900	1136.000	676.800	1144.000
SP	576.700	1200.000	678.000	1298.000	0.0	0.0	0.0	0.0	0.0	0.0
X1	638.000	0.0	0.0	0.0	63.000	63.000	63.000	0.0	-1.260	0.0
X1	701.000	14.000	1295.000	1304.700	63.000	63.000	63.000	0.0	0.0	0.0
GR	684.000	1000.000	677.100	1030.000	676.800	1100.000	677.900	1200.000	673.900	1268.000
GR	672.100	1291.000	671.200	1295.400	668.000	1296.700	656.600	1300.000	668.000	1303.300
GR	671.200	1304.700	671.000	1310.000	672.500	1327.000	684.000	1352.000	0.0	0.0
IC	0.075	0.075	0.025	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	702.000	0.0	0.0	0.0	1.000	1.000	1.000	0.0	0.010	0.0
BT	10.000	1000.000	684.000	0.0	1030.000	677.100	0.0	1100.000	676.800	0.0
BT	1200.000	677.000	0.0	1295.400	679.900	671.300	1296.700	679.900	674.500	1300.000
BT	680.000	675.000	1303.300	680.300	674.500	1304.700	680.400	671.300	1352.000	684.000
BT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	748.000	14.000	1295.400	1304.700	46.000	46.000	46.000	0.0	0.0	0.0
BT	10.000	1000.000	684.000	0.0	1030.000	677.100	0.0	1100.000	676.800	0.0
BT	1200.000	677.000	0.0	1295.400	679.900	671.800	1296.700	679.900	675.100	1300.000
BT	680.000	676.000	1303.300	680.300	675.100	1304.700	680.400	671.800	1352.000	684.000

GR	684,000	1000,000	677,100	1030,000	676,800	1100,000	677,900	1200,000	674,400	1258,000
GR	672,700	1291,000	671,800	1295,400	668,500	1296,700	667,200	1300,000	668,500	1503,300
GR	671,800	1304,700	672,300	1310,000	673,000	1327,000	684,000	1352,000	0.0	0.0
IC	0.075	0.075	0.055	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	749,000	0.0	0.0	0.0	1,000	1,000	-1,000	0.0	0.0	0.0
X1	837,000	11,000	1133,000	1152,000	88,000	88,000	88,000	0.0	-0,200	0.0
GR	697,600	1000,000	685,200	1031,000	674,900	1100,000	673,100	1133,000	667,900	1137,000
GR	667,600	1142,000	668,000	1147,000	668,000	1147,000	672,800	1152,000	673,500	1169,000
GR	686,800	1208,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	925,000	0.0	0.0	0.0	88,000	86,000	88,000	0.0	0,200	0.0
X1	1025,000	11,000	1115,000	1145,000	100,000	100,000	100,000	0.0	-2,100	0.0
GR	699,500	1000,000	683,300	1030,900	686,700	1041,000	679,300	1100,000	677,300	1115,000
GR	672,800	1117,000	671,300	1140,000	671,900	1143,000	673,300	1145,000	674,600	1191,000
GR	692,500	1283,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	1031,000	0.0	0.0	0.0	5,600	5,600	5,600	0.0	0,100	0.0
IC	0.075	0.075	0.050	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	1035,000	12,000	1095,000	1105,000	5,600	5,600	5,600	0.0	0.0	0.0
GR	710,800	1000,000	684,800	1001,000	677,400	1060,000	675,400	1075,000	674,800	1095,000
GR	665,700	1095,000	669,700	1097,500	669,700	1100,000	669,700	1102,500	674,800	1105,000
GR	676,900	1110,000	715,700	1200,000	0.0	0.0	0.0	0.0	0.0	0.0
GR	0.0	1,500	2,500	0.0	10,000	0.0	24,000	0.0	669,700	669,700
X1	1153,000	12,000	1090,000	1110,000	125,500	125,500	125,500	0.0	0.0	0.0
Z	1.0	0.0	1,000	579,000	714,800	0.0	0.0	0.0	0.0	0.0
BT	7,000	1000,000	714,800	0.0	1095,000	715,100	674,800	1097,500	715,100	678,100
BT	1100,000	715,100	679,000	1102,500	715,100	678,100	1105,000	715,200	674,800	1200,000
BT	715,700	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GR	710,800	1095,000	669,700	1001,000	677,400	1060,000	675,400	1075,000	674,800	1090,000
GR	665,700	1090,000	669,700	1095,000	669,700	1100,000	669,700	1105,000	669,700	1110,000
GR	678,800	1110,000	715,700	1200,000	0.0	0.0	0.0	0.0	0.0	0.0
IC	0.075	0.075	0.055	0.100	0.300	0.0	0.0	0.0	0.0	0.0
X1	1150,000	11,000	1105,000	1145,000	5,600	5,600	5,600	0.0	-0,900	0.0
GR	692,500	1000,000	683,300	1030,000	686,700	1041,000	679,300	1100,000	677,300	1115,000
GR	672,800	1117,000	671,300	1140,000	671,900	1143,000	673,300	1145,000	674,600	1191,000
GR	692,500	1283,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	1175,000	0.0	0.0	0.0	5,600	5,600	5,600	0.0	0,900	0.0
X1	1205,000	11,000	1170,000	1147,000	25,000	25,000	25,000	0.0	-1,850	0.0
GR	692,500	1060,000	686,000	1095,000	684,700	1091,000	681,000	1100,000	681,000	1176,000
GR	677,500	1175,000	675,800	1192,000	677,000	1195,000	676,500	1185,000	680,500	1187,000
GR	692,500	1232,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	1220,000	0.0	0.0	0.0	24,800	24,800	24,800	0.0	0,400	0.0
IC	0.075	0.075	0.015	0.100	0.300	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 LUTZ BRANCH
 T2 GASTON CO. FIS JOB # 207022
 T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	ING	NINV	IDIR	STRT.	METRIC	HVINS	Q	WSEL	FG
	-10.	3.	0.	0.	0.011000	0.0	0.0	0.	670.000	0.0
J2	IPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLOC	ISW	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 575.000

SECNO	DEPTH	CWSEL	CRINS	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	XLOB	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
575.00	6.80	672.00	0.0	670.00	672.59	0.55	0.0	0.0	673.70
1020.	0.	1020.	0.	0.	166.	0.	0.	0.	681.10
0.0	0.0	6.14	0.0	0.075	0.055	0.075	0.0	665.20	1063.03
0.010731	575.	575.	575.	0	0	2	0.0	48.64	1111.67

*SECNO 630.000

630.00	3.79	672.71	0.0	0.0	672.92	0.21	0.30	0.04	672.42
1020.	0.	1020.	0.	0.	276.	0.	0.	0.	679.82
0.00	0.28	3.69	0.0	0.075	0.055	0.075	0.054	663.92	1051.88
0.002663	63.	63.	63.	2	0	0	0.0	62.93	1114.81

*SECNO 701.000

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CWSEL	CRINS	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	XLOB	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

701.00	7.68	674.28	674.28	0.0	675.22	0.94	0.36	0.22	671.20
1020.	197.	570.	253.	55.	59.	54.	1.	0.	671.20
0.01	3.60	9.71	4.65	0.075	0.055	0.075	0.054	666.60	1252.51

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

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

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-10.	4.	0.	0.	0.011000	0.0	0.0	0.	671.000	0.0

J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLOC	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 575.000

SECNO	DEPTH	CWSEL	CRIMS	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	ICONT	CORAR	TOPWID	ENDST
575.00	7.31	672.51	0.0	671.00	673.17	0.66	0.0	0.0	673.70
1250.	0.	1250.	0.	0.	192.	0.	0.	0.	681.10
0.0	0.0	6.52	0.0	0.075	0.055	0.075	0.0	665.20	1060.34
0.911030	575.	575.	575.	0	0	4	0.0	52.13	1112.47

*SECNO 638.000

SECNO	DEPTH	CWSEL	CRIMS	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	ICONT	CORAR	TOPWID	ENDST
638.00	9.35	673.27	0.0	0.0	673.52	0.25	0.31	0.04	672.42
1250.	2.	1248.	0.	3.	310.	0.	0.	0.	679.82
0.00	0.58	4.02	0.0	0.075	0.055	0.075	0.054	663.92	1047.84
0.002771	63.	63.	63.	2	0	0	0.0	67.84	1115.68

*SECNO 701.000

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CWSEL	CRIMS	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	ICONT	CORAR	TOPWID	ENDST

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3693 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

SECNO	DEPTH	CWSEL	CRIMS	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	ICONT	CORAR	TOPWID	ENDST
701.00	7.94	674.54	674.54	0.0	675.62	1.08	0.38	0.25	671.20
1250.	278.	648.	324.	67.	61.	61.	1.	0.	671.20
0.01	4.16	10.60	5.28	0.075	0.055	0.075	0.054	666.60	1248.66

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

T1 LUTZ BRANCH
 T2 GASTON CO. FIS JOB # 207022
 T3 500 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-10.	5.	0.	0.	0,011000	0.0	0.0	0.	672.000	0.0

J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLOD	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 575.000

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	ICONT	CORAR	TOPWID	ENDST
575.00	0.37	673.57	0.0	672.00	674.37	0.80	0.0	0.0	673.70
1800.	0.	1800.	0.	0.	251.	0.	0.	0.	681.10
0.0	0.0	7.17	0.0	0.075	0.055	0.075	0.0	665.20	1054.69
0.011103	575.	575.	575.	0	0	4	0.0	59.45	1114.14

*SECNO 638.000

638.00	10.48	674.40	0.0	0.0	674.74	0.34	0.33	0.05	672.42
1800.	15.	1785.	0.	14.	381.	0.	0.	0.	679.82
0.00	1.07	4.68	0.0	0.075	0.055	0.075	0.054	663.92	1039.58
0.002972	63.	63.	63.	2	0	0	0.0	77.89	1117.47

*SECNO 701.000

3301 HV CHANGED MORE THAN HVINS

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	ICONT	CORAR	TOPWID	ENDST

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
 3593 PROBABLE MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

701.00	8.73	675.33	675.33	0.0	676.43	1.10	0.40	0.23	671.20
1800.	528.	766.	505.	108.	68.	83.	1.	0.	671.20
0.01	4.91	11.20	6.09	0.075	0.055	0.075	0.054	666.60	1237.33

HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977

ERRROR CORP - 01

MODIFICATION - 50,51,52

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

10 YEAR FLOOD HAZER SURF

SUMMARY PRINTOUT

SECNO	XLCH	ELTRD	ELLEV	Q	ELMIN	CWSEL	CRISW	VCH	SSTA	ENDST	AREA	DIFWSP
575.000	575.00	0.0	0.0	550.00	665.20	670.58	0.0	5.29	1070.57	1109.43	104.00	0.0
575.000	575.00	0.0	0.0	1020.00	665.20	672.00	0.0	6.14	1063.03	1111.67	166.10	1.42
575.000	575.00	0.0	0.0	1250.00	665.20	672.51	0.0	6.52	1060.34	1112.47	191.62	0.51
575.000	575.00	0.0	0.0	1800.00	665.20	673.57	0.0	7.17	1054.69	1114.14	250.91	1.06
638.000	63.00	0.0	0.0	550.00	663.92	671.18	0.0	2.91	1060.58	1112.39	189.21	0.0
638.000	63.00	0.0	0.0	1020.00	663.92	672.71	0.0	3.69	1051.88	1114.81	276.70	1.53
638.000	63.00	0.0	0.0	1250.00	663.92	673.27	0.0	4.02	1047.84	1115.68	313.00	0.56
638.000	63.00	0.0	0.0	1800.00	663.92	674.40	0.0	4.68	1039.58	1117.47	395.76	1.14
* 701.000	63.00	0.0	0.0	550.00	666.60	673.31	673.31	8.16	1268.83	1328.76	100.40	0.0
* 701.000	63.00	0.0	0.0	1020.00	666.60	674.28	674.28	9.71	1252.51	1330.87	167.84	0.97
* 701.000	63.00	0.0	0.0	1250.00	666.60	674.54	674.54	10.60	1248.66	1331.44	189.22	0.27
* 701.000	63.00	0.0	0.0	1800.00	666.60	675.33	675.33	11.20	1237.33	1333.14	259.01	0.78
* 702.000	1.00	676.80	675.90	550.00	666.61	672.69	672.69	13.10	1280.31	1327.40	42.41	0.0
* 702.000	1.00	676.80	675.90	1020.00	666.61	678.55	678.55	8.97	1023.72	1340.14	315.80	5.86
* 702.000	1.00	676.80	675.90	1250.00	666.61	679.76	678.76	9.78	1022.84	1340.58	357.54	0.20
* 702.000	1.00	676.80	675.90	1800.00	666.61	679.30	679.30	10.37	1020.49	1341.75	477.60	0.54
748.000	46.00	676.80	676.40	550.00	667.20	673.29	673.24	12.99	1279.64	1327.65	42.33	0.0
748.000	46.00	676.80	676.40	1020.00	667.20	679.23	0.0	6.21	1020.73	1341.16	462.98	5.94
748.000	46.00	676.80	676.40	1250.00	667.20	679.53	0.0	6.47	1019.46	1341.83	537.39	0.29
748.000	46.00	676.80	676.40	1800.00	667.20	680.06	0.0	6.41	1017.14	1343.04	679.31	0.53
749.000	1.00	0.0	0.0	550.00	667.20	676.09	673.72	3.13	1230.17	1334.00	284.41	0.0
749.000	1.00	0.0	0.0	1020.00	667.20	679.49	0.0	1.68	1019.62	1341.74	1130.77	3.40
749.000	1.00	0.0	0.0	1250.00	667.20	679.77	0.0	1.89	1018.40	1342.38	1220.92	0.28
749.000	1.00	0.0	0.0	1800.00	667.20	680.24	0.0	2.36	1016.32	1343.47	1376.72	0.48
837.000	88.00	0.0	0.0	550.00	667.40	676.19	0.0	2.73	1090.00	1173.84	287.32	0.0
837.000	88.00	0.0	0.0	1020.00	667.40	679.49	0.0	2.48	1067.91	1179.36	609.25	3.30
837.000	88.00	0.0	0.0	1250.00	667.40	679.76	0.0	2.90	1066.07	1179.82	640.24	0.28
837.000	88.00	0.0	0.0	1800.00	667.40	680.23	0.0	3.86	1062.94	1180.60	694.30	0.47
925.000	88.00	0.0	0.0	550.00	667.60	676.28	0.0	2.82	1090.77	1173.65	277.71	0.0
925.000	88.00	0.0	0.0	1020.00	667.60	679.53	0.0	2.55	1069.02	1179.08	590.84	3.25
925.000	88.00	0.0	0.0	1250.00	667.60	679.82	0.0	2.97	1067.07	1179.57	623.21	0.29
925.000	88.00	0.0	0.0	1800.00	667.60	680.33	0.0	3.92	1063.65	1180.43	681.86	0.51

665.9
676.7
680.3
681.9
685.2

NCSR 1812 @ 725 676.4 680.0

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENOST	AREA	DIFWSP
1025.000	100.00	0.0	0.0	550.00	669.50	676.41	0.0	1.64	1105.95	1211.08	438.35	0.0
1025.000	100.00	0.0	0.0	1020.00	669.50	679.60	0.0	1.68	1080.83	1227.51	840.45	3.20
1025.000	100.00	0.0	0.0	1250.00	669.50	679.92	0.0	1.96	1078.35	1229.11	886.77	0.31
1025.000	100.00	0.0	0.0	1800.00	669.50	680.48	0.0	2.60	1073.81	1232.04	974.70	0.57
1031.000	5.60	0.0	0.0	550.00	669.60	676.41	0.0	1.68	1105.67	1210.59	428.34	0.0
1031.000	5.60	0.0	0.0	1020.00	669.60	679.60	0.0	1.71	1081.62	1227.01	826.08	3.20
1031.000	5.60	0.0	0.0	1250.00	669.60	679.92	0.0	1.99	1079.12	1228.61	872.19	0.31
1031.000	5.60	0.0	0.0	1800.00	669.60	680.49	0.0	2.64	1074.57	1231.55	959.61	0.57
1036.000	5.60	0.0	0.0	550.00	669.70	674.97	674.97	11.86	1089.30	1105.41	46.86	0.0
1036.000	5.60	0.0	0.0	1020.00	669.70	679.23	0.0	7.39	1045.41	1115.41	250.55	4.25
1036.000	5.60	0.0	0.0	1250.00	669.70	679.40	0.0	8.73	1044.08	1115.79	262.33	0.17
1036.000	5.60	0.0	0.0	1800.00	669.70	679.40	0.0	12.56	1044.07	1115.79	262.38	0.0
				SOUTHERN CALIFORNIA @ Sta 1100, 674.0 715.1								
1163.000	125.50	714.80	679.00	550.00	669.70	677.79	0.0	6.01	1056.87	1116.59	91.46	0.0
1163.000	125.50	714.80	679.00	1020.00	669.70	682.80	0.0	2.73	1016.91	1127.61	660.64	5.01
1163.000	125.50	714.80	679.00	1250.00	669.70	684.83	0.0	2.63	1001.00	1132.06	905.27	2.02
1163.000	125.50	714.80	679.00	1800.00	669.70	690.77	0.0	2.09	1000.80	1145.14	1723.30	5.94
1169.000	5.60	0.0	0.0	550.00	670.66	678.39	0.0	1.38	1099.75	1215.32	529.35	0.0
1169.000	5.60	0.0	0.0	1020.00	670.66	682.88	0.0	1.24	1028.30	1238.39	1181.30	4.49
1169.000	5.60	0.0	0.0	1250.00	670.66	684.89	0.0	1.18	1021.75	1248.72	1578.30	2.01
1169.000	5.60	0.0	0.0	1800.00	670.66	690.80	0.0	0.92	1002.50	1279.06	3060.40	5.91
1175.000	5.60	0.0	0.0	550.00	671.60	678.38	0.0	1.69	1106.86	1210.46	425.71	0.0
1175.000	5.60	0.0	0.0	1020.00	671.60	682.88	0.0	1.41	1071.44	1233.57	1022.37	4.49
1175.000	5.60	0.0	0.0	1250.00	671.60	684.89	0.0	1.33	1024.81	1243.90	1382.92	2.01
1175.000	5.60	0.0	0.0	1800.00	671.60	690.80	0.0	1.00	1005.54	1274.27	2805.82	5.91
1200.000	25.00	0.0	0.0	550.00	673.95	680.07	680.07	7.33	1097.76	1192.33	124.68	0.0
1200.000	25.00	0.0	0.0	1020.00	673.95	682.82	0.0	3.71	1091.07	1202.63	407.85	2.75
1200.000	25.00	0.0	0.0	1250.00	673.95	684.87	0.0	2.61	1048.95	1210.31	695.52	2.05
1200.000	25.00	0.0	0.0	1800.00	673.95	690.80	0.0	2.35	1000.00	1232.00	1868.04	5.93
1225.000	24.80	0.0	0.0	550.00	674.35	680.60	0.0	6.68	1097.44	1192.83	137.26	0.0
1225.000	24.80	0.0	0.0	1020.00	674.35	682.87	0.0	4.18	1091.95	1201.28	368.05	2.27
1225.000	24.80	0.0	0.0	1250.00	674.35	684.88	0.0	2.87	1052.23	1208.85	633.80	2.01
1225.000	24.80	0.0	0.0	1800.00	674.35	690.80	0.0	1.42	1002.14	1231.05	1775.03	5.92
1250.000	24.80	0.0	0.0	550.00	674.80	682.08	682.08	12.77	1012.40	1067.63	134.78	0.0
1250.000	24.80	0.0	0.0	1020.00	674.80	683.61	683.61	14.38	1000.00	1080.40	241.66	1.53
1250.000	24.80	0.0	0.0	1250.00	674.80	684.01	684.01	15.56	1000.00	1080.40	273.77	0.40
1250.000	24.80	0.0	0.0	1800.00	674.80	690.68	0.0	6.87	1000.00	1080.40	810.44	6.67
				REMAINING WAVE @ Sta 1250, 677.8 682.8								
1251.000	1.00	682.80	677.80	550.00	674.80	684.32	0.0	6.25	1000.00	1080.40	298.84	0.0
1251.000	1.00	682.80	677.80	1020.00	674.80	685.17	0.0	9.30	1000.00	1080.40	367.79	0.85
1251.000	1.00	682.80	677.80	1250.00	674.80	685.51	0.0	10.55	1000.00	1080.40	394.77	0.34
1251.000	1.00	682.80	677.80	1800.00	674.80	690.90	0.0	6.71	1000.00	1080.40	827.95	5.39
1275.000	26.00	0.0	0.0	550.00	675.34	684.42	0.0	3.93	1085.96	1203.43	432.14	0.0
1275.000	26.00	0.0	0.0	1020.00	675.34	685.35	0.0	5.96	1060.23	1206.92	554.90	0.93
1275.000	26.00	0.0	0.0	1250.00	675.34	685.74	0.0	6.74	1053.29	1208.38	614.28	0.39
1275.000	26.00	0.0	0.0	1800.00	675.34	690.98	0.0	4.27	1008.96	1228.03	1594.42	5.24

SECNO	XLCH	ELRD	ELLC	Q	ELMIN	CWSEL	CRIWS	VCH	SSTA	ENDST	AREA	DIFWSP
1300.000	24.80	0.0	0.0	550.00	675.80	684.39	0.0	4.41	1091.74	1201.61	377.51	0.0
1300.000	24.80	0.0	0.0	1020.00	675.80	685.30	0.0	6.64	1074.41	1205.00	483.91	0.90
1300.000	24.80	0.0	0.0	1250.00	675.80	685.68	0.0	7.51	1063.93	1206.41	535.56	0.38
1300.000	24.80	0.0	0.0	1800.00	675.80	690.97	0.0	4.53	1012.86	1226.30	1494.80	5.30

SUMMARY OF ERRORS

CAUTION SECNO= 701.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 701.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 701.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 701.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 701.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 701.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 701.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 701.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 701.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 701.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 701.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 701.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 702.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 702.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 702.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 702.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 702.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 702.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 702.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 702.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 702.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 702.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 702.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 702.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 1036.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 1036.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 1250.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 1250.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 1250.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 1250.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 1250.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 1250.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 1250.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 1250.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 1250.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 1250.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 1250.000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 1250.000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL