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

T1 FITES CREEK GASTON
 T2 FIS CALHOUN CO. JOB 207022
 T3 10 YEAR FLOOD WATER SURFACE PROFILE

J1	TCHECK	IND	NINV	INDR	STRT	METRIC	HVINS	Q	WSEL	FO
	-1.	2.	0.	0.	0.0	0.0	0.0	0.	603.000	0.0
J2	MPROF	IPL0T	PRFVS	XSECV	XSECH	FIN	ALLOC	IBW	CHNIM	ITRACE
	0.0	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	38.000	39.000	40.000	41.000	43.000	42.000	1.000	2.000	26.000	53.000
	54.000	25.000	50.000	0.0	201.000	0.0	0.0	0.0	0.0	0.0
VC	0.060	0.070	0.040	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	1070.000	1820.000	2150.000	2920.000	2150.000	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	0.0	7.100	1048.490	1126.800	0.0
X1	6800.000	8.000	1072.000	1106.000	6800.000	6800.000	6800.000	6800.000	0.0	0.0
GR	613.800	1000.000	601.400	1072.000	597.500	1081.000	597.000	1089.000	597.500	1098.000
GR	603.100	1108.000	604.300	1121.000	613.800	1169.000	0.0	0.0	0.0	0.0
NC	0.040	0.050	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	0.0	7.100	1077.390	1216.320	0.0
X1	8713.000	9.000	1175.000	1218.000	1913.000	1913.000	1913.000	1913.000	0.0	0.0
GR	620.300	1000.000	611.500	1062.000	610.600	1100.000	609.100	1175.000	603.800	1190.000
GR	603.600	1193.900	603.900	1198.000	511.800	1218.000	621.700	1248.000	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	0.0	7.100	1077.430	1216.320	0.0

GR	620.300	1000.000	611.500	1062.000	610.600	1100.000	609.100	1175.000	603.800	1190.000
GR	603.600	1193.000	603.900	1198.000	611.800	1218.000	621.700	1248.000	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	7.100	1077.430	1216.320	0.0	0.0

X1	8762.000	0.0	0.0	0.0	25.000	25.000	25.000	0.0	0.160	0.0
NC	0.070	0.070	0.015	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	8763.000	12.000	1092.300	1107.800	25.000	25.000	25.000	0.0	0.0	0.0
GR	646.200	1000.000	610.900	1007.000	609.700	1092.300	603.900	1092.300	603.900	1096.100
GR	603.900	1100.000	603.900	1103.900	603.900	1107.800	609.700	1107.800	612.100	1125.000
GR	622.000	1155.000	648.100	1200.000	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.0	1.300	2.500	0.0	15.500	0.0	150.000	0.0	604.900	603.300

X1	8856.000	12.000	1092.300	1107.800	94.000	94.000	94.000	0.0	-0.010	0.0
X2	0.0	0.0	1.000	618.400	646.200	0.0	0.0	0.0	0.0	0.0
BT	7.000	1000.000	646.200	0.0	1072.300	647.100	610.600	1096.100	647.200	614.500
BT	1100.000	647.200	618.400	1103.900	647.200	614.500	1107.800	647.300	610.600	1200.000
BT	648.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GR	646.200	1000.000	611.900	1007.000	610.700	1092.300	604.900	1092.300	604.900	1096.100
GR	604.900	1100.000	604.900	1103.900	604.900	1107.800	610.700	1107.800	613.100	1125.000
GR	623.000	1155.000	648.100	1200.000	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.080	0.085	0.060	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	7.100	1070.000	1110.000	0.0	0.0

X1	8857.000	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	1175.000	1218.000	0.0	0.0

X1	8858.000	9.000	1175.000	1218.000	1.600	1.600	1.600	0.0	1.450	0.0
GR	620.300	1000.000	611.500	1062.000	610.600	1100.000	609.100	1175.000	603.800	1190.000
GR	603.600	1193.000	603.900	1198.000	611.800	1218.000	621.700	1248.000	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	7.100	-1138.000	1218.000	0.0	0.0

X1	8860.000	0.0	0.0	0.0	1.600	1.600	1.600	0.0	0.160	0.0
NC	0.085	0.085	0.065	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	7.100	1138.000	1218.000	0.0	0.0

X1	9120.000	12.000	1150.000	1169.000	260.000	260.000	260.000	0.0	0.0	0.0
GR	623.400	1000.000	614.000	1048.000	612.000	1100.000	611.500	1150.000	605.900	1155.000
GR	605.200	1162.000	606.000	1165.000	609.700	1169.000	612.000	1200.000	613.300	1280.000
GR	615.200	1300.000	621.000	1400.000	0.0	0.0	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0

ET	5.000	0.0	6.0	0.0	0.0	7.100	1148.000 1145	1218.000	0.0	0.0
X1	2360.000	0.0	0.0	0.0	1.600	1.600	1.600	0.0	0.160	0.0
MC	0.085	0.085	0.065	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	7.100	1148.000 1145	1218.000	0.0	0.0
X1	9120.000	12.000	1150.000	1169.000	260.000	260.000	260.000	0.0	0.0	0.0
GR	623.400	1000.000	614.000	1048.000	612.000	1100.000	611.500	1150.000	605.900	1155.000
GR	605.200	1162.000	606.000	1165.000	609.700	1169.000	612.000	1200.000	613.300	1280.000
GR	615.200	1300.000	621.000	1400.000	0.0	0.0	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0
X1	9190.000	0.0	0.0	0.0	70.200	70.200	70.200	0.0	0.950	0.0
X1	9260.000	9.000	1110.000	1127.700	70.200	70.200	70.200	0.0	0.0	0.0
GR	624.300	1000.000	618.400	1090.000	618.000	1109.900	607.200	1110.000	607.200	1118.900
GR	607.900	1127.700	618.300	1127.800	622.100	1200.000	624.800	1233.000	0.0	0.0
MC	0.060	0.060	0.055	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	9261.000	0.0	0.0	0.0	1.000	1.000	1.000	0.0	0.0	0.0
BT	9.000	1000.000	624.800	0.0	1090.000	618.400	0.0	1109.900	618.000	616.000
BT	1110.000	618.000	616.100	1118.900	618.100	616.300	1127.700	618.300	616.400	1127.800
BT	618.300	0.0	1200.000	622.100	0.0	1233.000	624.800	0.0	0.0	0.0
X1	9279.000	9.000	1110.000	1127.700	17.200	17.200	17.200	0.0	0.0	0.0
BT	9.000	1000.000	624.800	0.0	1090.000	618.400	0.0	1109.900	618.000	0.0
BT	1110.000	618.000	616.100	1118.900	618.100	616.300	1127.700	618.300	616.400	1127.800
BT	618.300	0.0	1200.000	622.100	0.0	1233.000	624.800	0.0	0.0	0.0
GR	624.800	1000.000	618.400	1090.000	618.000	1109.900	607.200	1110.000	607.200	1118.900
GR	607.900	1127.700	618.300	1127.800	622.100	1200.000	624.800	1233.000	0.0	0.0
MC	0.060	0.060	0.045	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	9280.000	0.0	0.0	0.0	1.000	1.000	1.000	0.0	0.0	0.0
X1	9300.000	12.000	1111.000	1126.000	20.000	20.000	20.000	0.0	-0.800	0.0
GR	628.300	1000.000	625.600	1010.000	622.600	1058.000	617.200	1092.000	616.200	1100.000
GR	615.800	1111.000	610.300	1114.000	609.400	1119.000	610.000	1123.000	615.900	1126.000
GR	617.400	1142.000	626.300	1176.000	0.0	0.0	0.0	0.0	0.0	0.0
X1	9319.000	16.000	1110.900	1113.100	19.000	19.000	19.000	0.0	0.0	0.0
X4	4.000	616.600	1006.100	615.200	1067.100	608.000	1111.000	608.000	1113.000	0.0

GR	617.400	1142.000	628.300	1176.000	0.0	0.0	0.0	0.0	0.0	0.0
X1	9319.000	16.000	1110.900	1113.100	19.000	19.000	19.000	0.0	0.0	0.0
X4	4.000	616.600	1086.100	615.200	1087.100	608.000	1111.000	608.000	1113.000	0.0
GR	628.300	1000.000	625.600	1010.000	622.600	1058.000	615.400	1075.000	615.200	1086.000
GR	616.600	1086.000	616.600	1087.000	615.200	1087.000	610.100	1110.900	610.100	1113.100
GR	616.100	1122.000	617.100	1122.000	617.100	1132.000	616.100	1132.000	617.400	1142.000
GR	628.300	1176.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.060	0.060	0.025	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	9320.000	0.0	0.0	0.0	1.000	1.000	1.000	0.0	0.0	0.0
X4	4.000	616.600	1086.100	615.200	1087.100	608.000	1111.000	608.000	1113.000	0.0
BT	12.000	1075.000	615.400	0.0	1086.000	615.400	0.0	1086.100	616.600	0.0
BT	1087.000	616.600	0.0	1087.100	616.000	0.0	1110.900	610.100	0.0	1111.000
BT	616.000	610.100	1113.000	616.000	610.100	1113.100	616.000	0.0	1122.000	616.000
BT	0.0	1122.100	617.500	0.0	1132.000	617.500	0.0	0.0	0.0	0.0

X1	9321.000	0.0	0.0	0.0	1.000	1.000	1.000	0.0	0.0	0.0
X4	4.000	616.600	1086.100	615.200	1087.100	608.000	1111.000	608.000	1113.000	0.0
BT	12.000	1075.000	615.400	0.0	1086.000	615.400	0.0	1086.100	616.600	0.0
BT	1087.000	616.600	0.0	1087.100	616.000	0.0	1110.900	610.100	0.0	1111.000
BT	616.000	610.100	1113.000	616.000	610.100	1113.100	616.000	0.0	1122.000	616.000
BT	0.0	1122.100	617.500	0.0	1132.000	617.500	0.0	0.0	0.0	0.0

X1	9322.000	0.0	0.0	0.0	1.000	1.000	1.000	0.0	0.0	0.0
X4	4.000	616.600	1086.100	615.200	1087.100	608.000	1111.000	608.000	1113.000	0.0
NC	0.070	0.070	0.045	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	9371.000	12.000	1111.000	1126.000	49.400	49.400	49.400	0.0	-0.700	0.0
GR	628.300	1000.000	625.600	1010.000	622.600	1058.000	617.200	1092.000	616.200	1100.000
GR	615.800	1111.000	610.300	1114.000	609.400	1119.000	610.000	1123.000	615.900	1126.000
GR	617.400	1142.000	628.300	1176.000	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	1085.000	1145.000	0.0	0.0

X1	9420.000	0.0	0.0	0.0	49.400	49.400	49.400	0.0	0.700	0.0
NC	0.090	0.085	0.070	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BT	5.000	690.000	1230.000	1480.000	2090.000	1490.000	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	11125.000	10.000	1300.000	1312.000	1705.000	1705.000	1705.000	0.0	59.660	0.0
GR	585.200	1000.000	577.200	1100.000	576.800	1164.000	569.800	1200.000	569.800	1300.000
GR	566.600	1302.000	566.400	1305.000	566.900	1308.000	571.300	1312.000	568.100	1361.000

X1	11125.000	10.000	1300.000	1312.000	1705.000	1705.000	1705.000	0.0	59.660	0.0
GR	585.200	1000.000	577.200	1100.000	576.800	1164.000	569.800	1200.000	569.800	1300.000
GR	566.600	1302.000	566.400	1305.000	566.900	1308.000	571.300	1312.000	588.100	1361.000

X1	11144.000	0.0	0.0	0.0	19.200	19.200	19.200	0.0	0.060	0.0
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X1	11163.000	7.900	1100.000	1119.400	19.200	19.200	19.200	0.0	59.900	0.0
GR	584.300	1000.000	566.600	1099.900	566.600	1100.000	566.600	1109.700	567.300	1119.400
GR	567.300	1119.500	591.700	1200.000	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.060	0.060	0.040	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	11164.000	0.0	0.0	0.0	1.000	1.000	1.000	0.0	0.0	0.0
BT	5.000	1000.000	644.200	0.0	1100.000	646.100	644.300	1109.700	646.500	644.700
BT	1119.400	646.700	644.900	1200.000	651.600	0.0	0.0	0.0	0.0	0.0

X1	11186.000	5.000	1100.000	1119.400	21.200	21.200	21.200	0.0	59.900	0.0
BT	7.000	1000.000	644.200	0.0	1099.900	646.100	0.0	1100.000	646.100	644.300
BT	1109.700	646.400	644.700	1119.400	646.700	644.900	1119.500	646.700	0.0	1200.000
BT	651.600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GR	584.300	1000.000	566.600	1100.000	566.600	1109.700	567.300	1119.400	591.700	1200.000
NC	0.100	0.065	0.030	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	11187.000	0.0	0.0	0.0	1.000	1.000	1.000	0.0	0.0	0.0
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X1	11206.000	10.000	1300.000	1312.000	19.200	19.200	19.200	0.0	59.840	0.0
GR	585.200	1000.000	577.200	1100.000	576.800	1164.000	569.800	1200.000	569.800	1300.000
GR	566.600	1302.000	566.400	1305.000	566.900	1308.000	571.300	1312.000	588.100	1361.000

X1	11225.000	0.0	0.0	0.0	19.200	19.200	19.200	0.0	0.060	0.0
NC	0.100	0.100	0.045	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	12.213	13.000	1159.000	1178.000	988.000	988.000	988.000	0.0	51.550	0.0
GR	604.300	1000.000	591.100	1065.000	588.500	1100.000	588.100	1159.000	593.300	1163.000
GR	583.100	1165.000	593.500	1165.000	583.000	1169.000	588.000	1178.000	598.200	1200.000
GR	589.200	1300.000	595.700	1395.000	601.700	1422.000	0.0	0.0	0.0	0.0
NC	0.090	0.090	0.045	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	460.000	850.000	1040.000	1520.000	1040.000	0.0	0.0	0.0	0.0

X1	13200.000	0.0	0.0	0.0	987.000	987.000	987.000	0.0	8.350	0.0
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X1	12.213	13.000	1159.000	1178.000	988.000	988.000	988.000	0.0	51.550	0.0
GR	604.300	1000.000	591.100	1065.000	588.500	1100.000	588.100	1159.000	583.300	1163.000
GR	583.100	1165.000	593.500	1165.000	583.000	1169.000	588.000	1178.000	588.200	1200.000
GR	589.200	1300.000	595.700	1395.000	601.700	1422.000	0.0	0.0	0.0	0.0
NC	0.090	0.090	0.045	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	460.000	850.000	1040.000	1520.000	1040.000	0.0	0.0	0.0	0.0

X1	13200.000	0.0	0.0	0.0	987.000	987.000	987.000	0.0	8.350	0.0
ET	5.000	0.0	0.0	0.0	0.0	7.100	1370.000	1420.000	0.0	0.0

X1	15250.000	13.000	1381.000	1400.000	2050.000	2050.000	2050.000	0.0	59.900	0.0
GR	611.400	1000.000	605.700	1100.000	603.700	1200.000	601.600	1300.000	600.000	1381.000
GR	594.000	1386.000	593.800	1390.000	595.200	1390.000	594.500	1395.000	601.000	1400.000
GR	603.400	1464.000	606.100	1493.000	611.400	1520.000	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	7.100	1302.260	1414.260	0.0	0.0

X1	15285.000	0.0	0.0	0.0	35.000	35.000	35.000	0.0	0.560	0.0
ET	5.000	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0

X1	15320.000	18.000	1457.400	1462.600	35.000	35.000	35.000	0.0	59.900	0.0
GR	611.300	1000.000	607.000	1100.000	607.200	1187.000	607.200	1200.000	602.800	1300.000
GR	603.100	1350.000	602.700	1370.000	602.100	1400.000	601.100	1451.000	597.500	1457.400
GR	595.600	1458.200	594.900	1460.000	595.600	1461.800	597.500	1462.600	602.600	1500.000
GR	603.500	1538.000	609.200	1600.000	611.300	1616.000	0.0	0.0	0.0	0.0
NC	0.060	0.060	0.015	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	15321.000	0.0	0.0	0.0	1.000	1.000	1.000	0.0	0.030	0.0
BT	16.000	1000.000	671.200	0.0	1100.000	666.900	0.0	1187.000	667.100	0.0
BT	1200.000	667.100	0.0	1300.000	662.700	0.0	1350.000	663.000	0.0	1400.000
BT	663.200	0.0	1457.400	663.200	657.400	1458.200	663.200	659.300	1460.000	663.200
BT	660.000	1461.900	663.100	659.300	1462.600	663.100	657.400	1500.000	662.500	0.0
BT	1538.000	663.400	0.0	1600.000	669.100	0.0	1616.000	671.200	0.0	0.0

X1	15359.000	16.000	1457.400	1462.600	37.700	37.700	37.700	0.0	59.870	0.0
BT	16.000	1000.000	671.200	0.0	1100.000	666.900	0.0	1187.000	667.100	0.0
BT	1200.000	667.100	0.0	1300.000	662.700	0.0	1350.000	663.000	0.0	1400.000
BT	663.200	0.0	1457.400	663.200	658.600	1458.200	663.200	660.500	1460.000	663.200
BT	661.200	1461.800	663.100	660.500	1462.600	663.100	658.600	1500.000	662.500	0.0
BT	1538.000	663.400	0.0	1600.000	669.100	0.0	1616.000	671.200	0.0	0.0
GR	611.300	1000.000	607.000	1100.000	607.200	1187.000	607.200	1200.000	602.800	1300.000
GR	603.100	1350.000	603.300	1400.000	598.700	1457.400	596.900	1458.200	596.200	1460.000
GR	596.900	1461.800	598.700	1462.600	602.600	1500.000	603.500	1538.000	609.200	1600.000

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

10 YEAR FLOOD WATER SURF

SUMMARY PRINTOUT

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CHWS	VCH	SSTA	ENDST	AREA	UIFWSP
8800.000	8800.00	0.0	0.0	1070.00	597.00	603.00	0.0	6.76	1062.71	1107.82	164.15	0.0
8800.000	8800.00	0.0	0.0	1820.00	597.00	604.88	0.0	7.66	1051.80	1123.93	275.66	1.88
8800.000	8800.00	0.0	0.0	2150.00	597.00	605.45	0.0	8.11	1048.50	1126.79	318.34	0.57
8800.000	8800.00	0.0	0.0	2920.00	597.00	606.59	0.0	8.99	1041.87	1132.56	414.80	1.14
8713.000	1913.00	0.0	0.0	1070.00	603.60	610.48	0.0	5.88	1105.96	1214.66	216.93	0.0
8713.000	1913.00	0.0	0.0	1820.00	603.60	611.64	0.0	6.43	1060.99	1217.60	374.30	1.16
8713.000	1913.00	0.0	0.0	2150.00	603.60	612.07	0.0	6.52	1057.98	1218.82	442.10	0.43
8713.000	1913.00	0.0	0.0	2920.00	603.60	612.95	0.0	6.72	1051.82	1221.47	586.54	0.87
8762.000	25.00	0.0	0.0	1070.00	603.76	610.53	0.0	6.11	1111.66	1214.37	204.89	0.0
8762.000	25.00	0.0	0.0	1820.00	603.76	611.67	0.0	6.76	1061.90	1217.28	354.23	1.15
8762.000	25.00	0.0	0.0	2150.00	603.76	612.10	0.0	6.81	1058.88	1218.43	421.57	0.43
8762.000	25.00	0.0	0.0	2920.00	603.76	612.97	0.0	6.98	1052.74	1221.07	564.40	0.87
* 8763.000	25.00	0.0	0.0	1070.00	603.90	609.18	609.18	13.07	1092.36	1107.80	81.86	0.0
* 8763.000	25.00	0.0	0.0	1820.00	603.90	612.27	612.27	12.00	1006.73	1125.50	321.12	3.08
* 8763.000	25.00	0.0	0.0	2150.00	603.90	612.79	612.79	12.67	1006.62	1127.10	383.97	0.53
* 8763.000	25.00	0.0	0.0	2920.00	603.90	613.81	613.81	14.08	1006.42	1130.19	508.65	1.02
* 8856.000	94.00	646.20	618.40	1070.00	604.89	610.22	610.22	12.95	1092.30	1107.80	82.65	0.0
* 8856.000	94.00	646.20	618.40	1820.00	604.89	612.10	612.10	17.17	1006.96	1117.92	106.00	1.88
* 8856.000	94.00	646.20	618.40	2150.00	604.89	613.17	613.17	18.16	1006.74	1125.24	118.42	1.07
* 8856.000	94.00	646.20	618.40	2920.00	604.89	614.52	614.52	21.79	1006.46	1129.33	134.01	1.35
8857.000	1.00	0.0	0.0	1070.00	604.89	610.24	610.15	12.94	1092.30	1107.80	82.71	0.0
8857.000	1.00	0.0	0.0	1820.00	604.89	617.03	612.97	3.19	1005.95	1136.95	792.76	6.80
8857.000	1.00	0.0	0.0	2150.00	604.89	618.71	0.0	2.82	1005.61	1142.04	1017.62	1.68
8857.000	1.00	0.0	0.0	2920.00	604.89	622.56	0.0	2.35	1004.82	1153.71	1566.90	3.85
8858.000	1.60	0.0	0.0	1070.00	605.05	612.85	0.0	4.28	1066.39	1216.98	336.00	0.0
8858.000	1.60	0.0	0.0	1820.00	605.05	617.07	0.0	2.44	1032.95	1229.59	1077.13	4.23
8858.000	1.60	0.0	0.0	2150.00	605.05	618.75	0.0	2.19	1021.15	1234.66	1420.60	1.67
8858.000	1.60	0.0	0.0	2920.00	605.05	622.59	0.0	1.84	1000.00	1246.31	2313.54	3.85
8860.000	1.60	0.0	0.0	1070.00	605.21	612.82	0.0	4.56	1074.04	1216.52	309.46	0.0
8860.000	1.60	0.0	0.0	1820.00	605.21	617.07	0.0	2.51	1032.95	1229.59	1077.13	4.23

		041.20	610.40	2920.00	604.89	614.52	614.52	21.79	1006.46	1129.33	134.01	1.33
8857.000	1.00	0.0	0.0	1070.00	604.89	610.24	610.15	12.94	1092.30	1107.80	82.71	0.0
8857.000	1.00	0.0	0.0	1820.00	604.89	617.03	612.97	3.19	1005.95	1136.95	792.76	6.80
8857.000	1.00	0.0	0.0	2150.00	604.89	618.71	0.0	2.82	1005.61	1142.04	1017.62	1.68
8857.000	1.00	0.0	0.0	2920.00	604.89	622.56	0.0	2.35	1004.82	1153.71	1566.90	3.85
8858.000	1.60	0.0	0.0	1070.00	605.05	612.85	0.0	4.28	1066.39	1216.98	336.00	0.0
8858.000	1.60	0.0	0.0	1820.00	605.05	617.07	0.0	2.44	1032.95	1229.59	1077.13	4.23
8858.000	1.60	0.0	0.0	2150.00	605.05	618.75	0.0	2.19	1021.15	1234.66	1420.60	1.67
8858.000	1.60	0.0	0.0	2920.00	605.05	622.59	0.0	1.84	1000.00	1246.31	2313.54	3.85
8860.000	1.60	0.0	0.0	1070.00	605.21	612.82	0.0	4.56	1074.04	1216.52	309.46	0.0
8860.000	1.60	0.0	0.0	1820.00	605.21	617.07	0.0	2.51	1034.06	1229.11	1046.10	4.25
8860.000	1.60	0.0	0.0	2150.00	605.21	618.75	0.0	2.24	1022.27	1234.18	1386.69	1.68
8860.000	1.60	0.0	0.0	2920.00	605.21	622.59	0.0	1.87	1000.00	1245.83	2274.31	3.85

SECNO	YLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	UFWSP
9120.000	260.00	0.0	0.0	1070.00	605.20	613.92	0.0	4.06	1050.18	1286.49	488.23	0.0
9120.000	260.00	0.0	0.0	1820.00	605.20	617.25	0.0	2.25	1031.38	1335.41	1383.96	3.33
9120.000	260.00	0.0	0.0	2150.00	605.20	618.86	0.0	1.88	1023.16	1363.20	1902.93	1.61
9120.000	260.00	0.0	0.0	2920.00	605.20	622.65	0.0	1.39	1003.86	1400.00	3324.23	3.79
9190.000	70.20	0.0	0.0	1070.00	606.15	614.08	0.0	5.87	1070.55	1269.74	315.07	0.0
9190.000	70.20	0.0	0.0	1820.00	606.15	617.29	0.0	2.86	1036.03	1319.73	1116.71	3.21
9190.000	70.20	0.0	0.0	2150.00	606.15	618.89	0.0	2.27	1027.88	1347.23	1597.71	1.60
9190.000	70.20	0.0	0.0	2920.00	606.15	622.66	0.0	1.59	1008.62	1400.00	2957.10	3.71
9260.000	70.20	0.0	0.0	1070.00	607.20	614.12	0.0	8.95	1109.94	1127.76	119.90	0.0
9260.000	70.20	0.0	0.0	1820.00	607.20	615.95	0.0	11.99	1109.92	1127.78	152.50	1.83
9260.000	70.20	0.0	0.0	2150.00	607.20	617.42	0.0	12.09	1109.91	1127.79	173.73	1.47
9260.000	70.20	0.0	0.0	2920.00	607.20	621.99	0.0	9.00	1039.47	1197.97	556.42	4.57
9261.000	1.00	618.00	616.40	1070.00	607.20	614.14	0.0	8.94	1109.94	1127.76	120.03	0.0
9261.000	1.00	618.00	616.40	1820.00	607.20	615.96	0.0	11.98	1109.92	1127.78	152.59	1.83
9261.000	1.00	618.00	616.40	2150.00	607.20	617.01	0.0	13.64	1109.91	1127.79	158.31	1.04
9261.000	1.00	618.00	616.40	2920.00	607.20	622.72	0.0	5.75	1029.35	1207.49	644.80	5.71
9279.000	17.20	618.00	616.40	1070.00	607.20	614.36	0.0	8.65	1109.93	1127.76	124.18	0.0
9279.000	17.20	618.00	616.40	1820.00	607.20	616.41	0.0	11.55	1109.91	1127.78	158.26	2.05
9279.000	17.20	618.00	616.40	2150.00	607.20	617.61	0.0	13.64	1109.90	1127.79	158.36	1.19
9279.000	17.20	618.00	616.40	2920.00	607.20	622.85	0.0	5.51	1027.42	1209.17	669.52	5.24

NCSK 2091 2 5 4270 - 1 - 1 1000 618.3

9261.000	1.00	618.00	616.40	1070.00	607.20	614.14	0.0	8.94	1109.94	1127.76	120.03	0.0
9261.000	1.00	618.00	616.40	1820.00	607.20	615.96	0.0	11.98	1109.92	1127.78	152.59	1.83
9261.000	1.00	618.00	616.40	2150.00	607.20	617.01	0.0	13.64	1109.91	1127.79	158.31	1.04
9261.000	1.00	618.00	616.40	2920.00	607.20	622.72	0.0	5.75	1029.35	1207.49	644.80	5.71
<i>NCSR 2011 @ 519270 LLC 618.3 EXTRA = 618.3</i>												
9279.000	17.20	618.00	616.40	1070.00	607.20	614.36	0.0	8.65	1109.93	1127.76	124.18	0.0
9279.000	17.20	618.00	616.40	1820.00	607.20	616.41	0.0	11.55	1109.91	1127.78	158.26	2.05
9279.000	17.20	618.00	616.40	2150.00	607.20	617.61	0.0	13.64	1109.90	1127.79	158.36	1.19
9279.000	17.20	618.00	616.40	2920.00	607.20	622.85	0.0	5.51	1027.42	1209.17	669.52	5.24
9280.000	1.00	0.0	0.0	1070.00	607.20	614.37	0.0	8.64	1109.93	1127.76	124.32	0.0
9230.000	1.00	0.0	0.0	1820.00	607.20	616.57	0.0	11.18	1109.91	1127.78	163.51	2.19
9280.000	1.00	0.0	0.0	2150.00	607.20	619.00	0.0	10.31	1081.47	1141.23	230.52	2.43
9280.000	1.00	0.0	0.0	2920.00	607.20	622.53	0.0	8.19	1031.93	1205.25	645.59	3.52
* 9300.000	20.00	0.0	0.0	1070.00	608.60	616.59	616.59	10.28	1090.82	1141.86	127.43	0.0
* 9300.000	20.00	0.0	0.0	1820.00	608.60	618.07	618.07	11.57	1081.47	1146.59	213.72	1.48
9300.000	20.00	0.0	0.0	2150.00	608.60	620.02	0.0	8.57	1069.23	1152.66	358.20	1.95
9300.000	20.00	0.0	0.0	2920.00	608.60	623.00	0.0	6.53	1038.66	1161.99	657.06	2.98
9319.000	19.00	0.0	0.0	1070.00	608.00	618.07	0.0	5.02	1066.71	1144.07	258.99	0.0
9319.000	19.00	0.0	0.0	1820.00	608.00	619.60	0.0	5.58	1065.10	1148.84	380.54	1.53
9319.000	19.00	0.0	0.0	2150.00	608.00	620.59	0.0	5.23	1062.74	1151.96	466.99	0.99
9319.000	19.00	0.0	0.0	2920.00	608.00	623.19	0.0	4.38	1048.53	1160.07	719.84	2.61
9320.000	1.00	610.10	610.10	1070.00	608.00	617.86	0.0	5.40	1069.19	1143.43	183.17	0.0
9320.000	1.00	610.10	610.10	1820.00	608.00	619.40	0.0	6.09	1065.54	1148.25	296.75	1.55
9320.000	1.00	610.10	610.10	2150.00	608.00	620.44	0.0	5.73	1063.09	1151.50	380.56	1.04
9320.000	1.00	610.10	610.10	2920.00	608.00	623.12	0.0	4.88	1049.66	1159.85	625.22	2.68
<i>FR 2011 @ 519270 LLC 610.0 EXTRA = 610.0</i>												
9321.000	1.00	610.10	610.10	1070.00	608.00	617.87	0.0	5.33	1069.18	1143.44	183.44	0.0
9321.000	1.00	610.10	610.10	1820.00	608.00	619.41	0.0	6.01	1065.53	1148.27	297.04	1.54
9321.000	1.00	610.10	610.10	2150.00	608.00	620.45	0.0	5.66	1063.08	1151.51	380.87	1.04
9321.000	1.00	610.10	610.10	2920.00	608.00	623.12	0.0	4.82	1049.62	1159.85	625.46	2.67
9322.000	1.00	0.0	0.0	1070.00	608.00	618.16	0.0	7.70	1068.47	1144.39	266.68	0.0
9322.000	1.00	0.0	0.0	1820.00	608.00	619.68	0.0	8.77	1064.90	1149.11	387.82	1.52
9322.000	1.00	0.0	0.0	2150.00	608.00	620.63	0.0	8.38	1062.64	1152.10	470.98	0.96
9322.000	1.00	0.0	0.0	2920.00	608.00	623.21	0.0	7.14	1048.19	1160.13	722.21	2.58

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	DIFWSP
9371.000	49.40	0.0	0.0	1070.00	608.70	618.16	0.0	7.07	1081.51	1146.57	213.36	0.0
9371.000	49.40	0.0	0.0	1820.00	608.70	619.64	0.0	8.53	1072.22	1151.18	319.65	1.48
9371.000	49.40	0.0	0.0	2150.00	608.70	620.60	0.0	8.27	1066.19	1154.16	399.52	0.96
9371.000	49.40	0.0	0.0	2920.00	608.70	623.21	0.0	7.00	1037.09	1162.30	669.24	2.61
9420.000	49.40	0.0	0.0	1070.00	609.40	619.27	0.0	8.23	1085.26	1144.71	176.24	0.0
9420.000	49.40	0.0	0.0	1820.00	609.40	619.78	0.0	9.67	1075.78	1149.41	276.51	1.51
9420.000	49.40	0.0	0.0	2150.00	609.40	620.71	0.0	9.32	1069.90	1152.33	349.37	0.93
9420.000	49.40	0.0	0.0	2920.00	609.40	623.26	0.0	7.82	1047.47	1160.27	592.04	2.55
11125.000	1705.00	0.0	0.0	690.00	626.06	631.56	630.57	3.88	1189.20	1313.75	272.32	0.0
11125.000	1705.00	0.0	0.0	1230.00	626.06	632.73	0.0	4.15	1183.18	1317.16	423.68	1.17
11125.000	1705.00	0.0	0.0	1480.00	626.06	632.93	0.0	4.66	1182.17	1317.74	450.30	0.20
11125.000	1705.00	0.0	0.0	2090.00	626.06	632.83	631.69	6.78	1182.60	1317.49	438.82	-0.09
11144.000	19.20	0.0	0.0	690.00	626.12	631.70	0.0	3.72	1189.80	1313.98	282.15	0.0
11144.000	19.20	0.0	0.0	1230.00	626.12	632.84	0.0	4.06	1182.85	1317.35	432.26	1.15
11144.000	19.20	0.0	0.0	1480.00	626.12	633.07	0.0	4.56	1181.81	1317.94	459.76	0.22
11144.000	19.20	0.0	0.0	2090.00	626.12	633.16	0.0	6.22	1181.29	1318.24	473.47	0.09
11163.000	19.20	0.0	0.0	690.00	626.50	631.72	0.0	4.51	1070.41	1134.43	209.78	0.0
11163.000	19.20	0.0	0.0	1230.00	626.50	632.78	0.0	6.19	1064.46	1137.91	282.21	1.05
11163.000	19.20	0.0	0.0	1480.00	626.50	632.96	0.0	7.14	1063.41	1138.52	296.03	0.19
11163.000	19.20	0.0	0.0	2090.00	626.50	632.90	0.0	10.22	1063.76	1138.31	291.37	-0.06
11164.000	1.00	644.20	644.90	690.00	626.50	631.70	0.0	4.81	1070.53	1134.36	208.41	0.0
11164.000	1.00	644.20	644.90	1230.00	626.50	632.73	0.0	6.68	1064.73	1137.75	278.69	1.03
11164.000	1.00	644.20	644.90	1480.00	626.50	632.90	0.0	7.75	1063.80	1138.29	290.84	0.16
11164.000	1.00	644.20	644.90	2090.00	626.50	632.71	0.0	11.41	1064.85	1137.68	277.18	-0.19
11186.000	21.20	644.20	644.90	690.00	626.50	631.75	0.0	4.77	1070.35	1134.43	210.43	0.0
11186.000	21.20	644.20	644.90	1230.00	626.50	632.81	0.0	6.59	1064.37	1137.92	283.23	1.06
11186.000	21.20	644.20	644.90	1480.00	626.50	633.00	0.0	7.60	1063.26	1138.57	297.84	0.20
11186.000	21.20	644.20	644.90	2090.00	626.50	633.15	0.0	10.38	1062.39	1139.08	309.53	0.15
11187.000	1.00	0.0	0.0	690.00	626.50	631.80	0.0	4.34	1070.04	1134.61	213.97	0.0
11187.000	1.00	0.0	0.0	1230.00	626.50	632.92	0.0	5.86	1063.70	1138.31	292.00	1.12
11187.000	1.00	0.0	0.0	1480.00	626.50	633.17	0.0	6.66	1062.29	1139.13	310.84	0.25
11187.000	1.00	0.0	0.0	2090.00	626.50	633.57	0.0	8.63	1060.05	1140.45	342.13	0.40
11206.000	19.20	0.0	0.0	690.00	626.24	632.06	0.0	3.24	1187.56	1314.68	312.44	0.0
11206.000	19.20	0.0	0.0	1230.00	626.24	633.33	0.0	3.52	1181.01	1318.40	481.01	1.27
11206.000	19.20	0.0	0.0	1480.00	626.24	633.69	0.0	3.79	1179.17	1319.44	530.68	0.36
11206.000	19.20	0.0	0.0	2090.00	626.24	634.41	0.0	4.39	1175.42	1321.56	634.95	0.73

NCSR 2090.00 SEC 11175 ELLC 644.90 646.7

11187.000	1.00	0.0	0.0	690.00	626.50	631.80	0.0	4.34	1070.04	1134.61	213.97	0.0
11187.000	1.00	0.0	0.0	1230.00	626.50	632.92	0.0	5.86	1063.70	1138.31	292.00	1.12
11187.000	1.00	0.0	0.0	1480.00	626.50	633.17	0.0	6.66	1062.29	1139.13	310.84	0.25
11187.000	1.00	0.0	0.0	2090.00	626.50	633.57	0.0	8.63	1060.05	1140.45	342.13	0.40
11206.000	19.20	0.0	0.0	690.00	626.24	632.06	0.0	3.24	1187.56	1314.68	312.44	0.0
11206.000	19.20	0.0	0.0	1230.00	626.24	633.33	0.0	3.52	1181.01	1318.40	481.01	1.27
11206.000	19.20	0.0	0.0	1480.00	626.24	633.69	0.0	3.79	1179.17	1319.44	530.68	0.36
11206.000	19.20	0.0	0.0	2090.00	626.24	634.41	0.0	4.39	1175.42	1321.56	634.95	0.73
11225.000	19.20	0.0	0.0	690.00	626.30	632.17	0.0	3.15	1187.28	1314.84	319.39	0.0
11225.000	19.20	0.0	0.0	1230.00	626.30	633.43	0.0	3.48	1180.82	1318.50	485.93	1.26
11225.000	19.20	0.0	0.0	1480.00	626.30	633.79	0.0	3.74	1178.95	1319.56	536.54	0.36
11225.000	19.20	0.0	0.0	2090.00	626.30	634.54	0.0	4.33	1175.13	1321.73	643.34	0.74
* 12.213	988.00	0.0	0.0	690.00	634.55	640.56	640.56	7.37	1093.09	1281.35	176.60	0.0
* 12.213	988.00	0.0	0.0	1230.00	634.55	641.35	641.35	8.39	1082.47	1308.81	344.96	0.79
* 12.213	988.00	0.0	0.0	1480.00	634.55	641.58	641.58	8.98	1079.85	1312.08	396.40	0.22
12.213	988.00	0.0	0.0	2090.00	634.55	642.06	0.0	10.07	1072.99	1319.10	511.29	0.48

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	UIFWSP
13200.000	987.00	0.0	0.0	460.00	642.90	648.64	647.22	5.65	1096.81	1253.71	128.90	0.0
13200.000	987.00	0.0	0.0	850.00	642.90	649.47	0.0	6.37	1085.56	1305.45	293.71	0.83
13200.000	987.00	0.0	0.0	1040.00	642.90	649.82	0.0	6.43	1081.03	1310.36	369.25	0.35
13200.000	987.00	0.0	0.0	1520.00	642.90	650.49	0.0	6.70	1071.90	1320.27	531.21	0.67
15250.000	2050.00	0.0	0.0	460.00	653.70	660.36	0.0	5.36	1357.61	1399.59	90.69	0.0
15250.000	2050.00	0.0	0.0	850.00	653.70	661.70	0.0	6.66	1290.03	1421.57	202.28	1.34
15250.000	2050.00	0.0	0.0	1040.00	653.70	662.03	0.0	7.21	1274.26	1430.41	249.92	0.33
15250.000	2050.00	0.0	0.0	1520.00	653.70	662.71	0.0	8.16	1242.27	1448.33	371.61	0.68
15285.000	35.00	0.0	0.0	460.00	654.26	660.51	0.0	5.92	1378.40	1399.27	77.79	0.0
15285.000	35.00	0.0	0.0	850.00	654.26	661.75	660.19	7.92	1315.83	1407.65	143.89	1.23
15285.000	35.00	0.0	0.0	1040.00	654.26	662.00	661.51	8.94	1302.56	1414.64	170.61	0.26
* 15285.000	35.00	0.0	0.0	1520.00	654.26	663.05	663.05	8.87	1252.71	1442.48	328.21	1.05
* 15320.000	35.00	0.0	0.0	460.00	654.80	660.74	660.74	10.83	1451.47	1487.07	77.67	0.0
* 15320.000	35.00	0.0	0.0	850.00	654.80	662.33	662.33	10.65	1383.24	1498.79	190.05	1.60
15320.000	35.00	0.0	0.0	1040.00	654.80	663.02	0.0	9.27	1292.78	1521.84	296.40	0.68
15320.000	35.00	0.0	0.0	1520.00	654.80	663.02	0.0	9.27	1292.78	1521.84	296.40	0.68

SECNO	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	UFWSP
I ✓ 13200.000	987.00	0.0	0.0	460.00	642.90	648.64	647.22	5.65	1096.81	1253.71	128.90	0.0
I ✓ 13200.000	987.00	0.0	0.0	850.00	642.90	649.47	0.0	6.37	1085.56	1305.45	293.71	0.83
I ✓ 13200.000	987.00	0.0	0.0	1040.00	642.90	649.82	0.0	6.43	1081.03	1310.36	369.25	0.35
I ✓ 13200.000	987.00	0.0	0.0	1520.00	642.90	650.49	0.0	6.70	1071.90	1320.27	531.21	0.67
J ✓ 15250.000	2050.00	0.0	0.0	460.00	653.70	660.36	0.0	5.36	1357.61	1399.59	90.69	0.0
J ✓ 15250.000	2050.00	0.0	0.0	850.00	653.70	661.70	0.0	6.66	1290.03	1421.57	202.28	1.34
J ✓ 15250.000	2050.00	0.0	0.0	1040.00	653.70	662.03	0.0	7.21	1274.26	1430.41	249.92	0.33
J ✓ 15250.000	2050.00	0.0	0.0	1520.00	653.70	662.71	0.0	8.16	1242.27	1448.33	371.61	0.68
15285.000	35.00	0.0	0.0	460.00	654.26	660.51	0.0	5.92	1378.40	1399.27	77.79	0.0
15285.000	35.00	0.0	0.0	850.00	654.26	661.75	660.19	7.92	1315.83	1407.65	143.89	1.23
15285.000	35.00	0.0	0.0	1040.00	654.26	662.00	661.51	8.94	1302.56	1414.64	170.61	0.26
* 15285.000	35.00	0.0	0.0	1520.00	654.26	663.05	663.05	8.87	1252.71	1442.48	328.21	1.05
* 15320.000	35.00	0.0	0.0	460.00	654.80	660.74	660.74	10.83	1451.47	1487.07	77.67	0.0
* 15320.000	35.00	0.0	0.0	850.00	654.80	662.33	662.33	10.65	1383.24	1498.79	190.05	1.60
* 15320.000	35.00	0.0	0.0	1040.00	654.80	663.02	0.0	9.27	1292.78	1521.84	296.40	0.68
* 15320.000	35.00	0.0	0.0	1520.00	654.80	663.98	0.0	8.03	1270.84	1544.34	542.52	0.96
* 15321.000	1.00	662.50	660.00	460.00	654.83	663.92	663.92	7.01	1273.05	1543.28	250.29	0.0
* 15321.000	1.00	662.50	660.00	850.00	654.83	664.17	664.17	9.86	1267.37	1546.00	318.89	0.25
* 15321.000	1.00	662.50	660.00	1040.00	654.83	664.35	664.35	10.12	1263.19	1548.00	370.68	0.18
* 15321.000	1.00	662.50	660.00	1520.00	654.83	664.54	664.54	12.52	1258.79	1550.10	426.45	0.19
15359.000	37.70	662.50	661.20	460.00	656.07	664.18	0.0	5.16	1265.66	1546.82	329.77	0.0
15359.000	37.70	662.50	661.20	850.00	656.07	664.65	0.0	6.35	1254.95	1551.94	465.72	0.47
15359.000	37.70	662.50	661.20	1040.00	656.07	664.80	0.0	6.98	1251.62	1553.54	509.53	0.15
15359.000	37.70	662.50	661.20	1520.00	656.07	665.20	0.0	7.86	1242.46	1557.92	633.77	0.40
15360.000	1.00	0.0	0.0	460.00	656.07	664.30	0.0	2.10	1262.92	1548.13	600.52	0.0
15360.000	1.00	0.0	0.0	850.00	656.07	664.79	0.0	3.09	1251.91	1553.40	742.65	0.49
15360.000	1.00	0.0	0.0	1040.00	656.07	664.95	0.0	3.53	1248.23	1555.16	791.80	0.16
15360.000	1.00	0.0	0.0	1520.00	656.07	665.36	0.0	4.36	1238.90	1559.63	920.70	0.41
15395.000	35.00	0.0	0.0	460.00	656.65	664.16	0.0	4.25	1314.55	1408.33	146.23	0.0
15395.000	35.00	0.0	0.0	850.00	656.65	664.33	662.65	7.48	1306.25	1412.70	162.65	0.16
15395.000	35.00	0.0	0.0	1040.00	656.65	664.09	664.05	9.83	1318.24	1406.38	139.60	-0.24
* 15395.000	35.00	0.0	0.0	1520.00	656.65	665.39	665.39	9.06	1255.32	1441.01	317.90	1.30
15430.000	35.00	0.0	0.0	460.00	657.21	664.21	0.0	4.91	1340.33	1399.85	108.01	0.0
K ✓ 15430.000	35.00	0.0	0.0	850.00	657.21	664.48	663.21	8.42	1326.49	1402.04	126.27	0.28
K ✓ 15430.000	35.00	0.0	0.0	1040.00	657.21	664.59	664.59	9.99	1321.13	1404.86	134.71	0.11
* 15430.000	35.00	0.0	0.0	1520.00	657.21	665.77	665.77	9.68	1263.61	1436.37	286.70	1.18

LIMIT OF STUDY

FLOOD INSURANCE ZONE DATA FOR 10 YEAR FLOOD WATER SURF

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND:		
		100	200	0.200
6800.000	0.	-2.4	-0.6	1.1
8713.000	1913.	-1.6	-0.4	0.9
8762.000	1938.	-1.6	-0.4	0.9
8763.000	1963.	-3.6	-0.5	1.0
8856.000	2057.	-2.9	-1.1	1.4
8857.000	2058.	-8.5	-1.7	3.8
8858.000	2060.	-5.9	-1.7	3.8
8860.000	2061.	-5.9	-1.7	3.8
9120.000	2321.	-4.9	-1.6	3.8
9190.000	2391.	-4.8	-1.6	3.8
9260.000	2462.	-3.3	-1.5	4.6
9261.000	2463.	-2.9	-1.0	5.7
9279.000	2480.	-3.2	-1.2	5.2
9280.000	2481.	-4.6	-2.4	3.5
9300.000	2501.	-3.4	-2.0	3.0
9319.000	2520.	-2.5	-1.0	2.6
9320.000	2521.	-2.6	-1.0	2.7
9321.000	2522.	-2.6	-1.0	2.7
9322.000	2523.	-2.5	-1.0	2.6
9371.000	2572.	-2.4	-1.0	2.6
9420.000	2622.	-2.4	-0.9	2.5
11125.000	4327.	-1.4	-0.2	-0.1
11144.000	4346.	-1.4	-0.2	0.1
11163.000	4365.	-1.2	-0.2	-0.1
11164.000	4366.	-1.2	-0.2	-0.2
11186.000	4387.	-1.3	-0.2	0.2
11187.000	4388.	-1.4	-0.2	0.4
11206.000	4407.	-1.6	-0.4	0.7
11225.000	4427.	-1.6	-0.4	0.7
12.213	5415.	-1.0	-0.2	0.5
13200.000	6402.	-1.2	-0.3	0.7
15250.000	8452.	-1.7	-0.3	0.7
15285.000	8487.	-1.5	-0.3	1.0
15320.000	8522.	-2.3	-0.7	1.0
15321.000	8523.	-0.4	-0.2	0.2
15359.000	8560.	-0.6	-0.1	0.4
15360.000	8561.	-0.6	-0.1	0.4

13200.000	6402.	-1.2	-0.3	0.9
15250.000	8452.	-1.7	-0.3	0.7
15285.000	8487.	-1.5	-0.3	1.0
15320.000	8522.	-2.3	-0.7	1.0
15321.000	8523.	-0.4	-0.2	0.2
15359.000	8560.	-0.6	-0.1	0.4
15360.000	8561.	-0.6	-0.2	0.4
15395.000	8596.	0.1	0.2	1.3
15430.000	8631.	-0.4	-0.1	1.2

 WEIGHTED AVG FOR REACH -1.8 -0.5 1.0

FHF FOR THE REACH = 020 WITH 78.9% OF THE REACH WITHIN 0.5 FEET
 ZONE FOR THE REACH = A 4

CONTINUOUS FLOOD HAZARD FACTORS BY EVEN INCREMENTS

INC NO.	TOTAL LENGTH	AVG ELEVATION DATA			WTD. AVG.	FHF	PERCENT WITHIN
		100	10	DIFF.			
	0.						
					SEC.	6800.000	
1	100.	603.2	605.6	-2.4	-2.4	025	100.
2	200.	603.6	606.0	-2.4	-2.4	025	100.
3	300.	604.0	606.3	-2.3	-2.4	025	100.
4	400.	604.4	606.7	-2.3	-2.4	025	100.
5	500.	604.8	607.0	-2.2	-2.3	025	100.
6	600.	605.2	607.4	-2.2	-2.3	025	100.
7	700.	605.5	607.7	-2.2	-2.3	025	100.
8	800.	605.9	608.0	-2.1	-2.3	025	100.
9	900.	606.3	608.4	-2.1	-2.2	020	100.
10	1000.	606.7	608.7	-2.0	-2.2	020	100.
11	1100.	607.1	609.1	-2.0	-2.2	020	100.
12	1200.	607.5	609.4	-1.9	-2.2	020	100.
13	1300.	607.9	609.8	-1.9	-2.2	020	100.
14	1400.	608.3	610.1	-1.8	-2.1	020	100.
15	1500.	608.7	610.5	-1.8	-2.1	020	100.
16	1600.	609.1	610.8	-1.8	-2.1	020	100.
17	1700.	609.5	611.2	-1.7	-2.1	020	100.
18	1800.	609.8	611.5	-1.7	-2.0	020	100.
19	1900.	610.2	611.9	-1.6	-2.0	020	100.
	1913.						
	1938.				SEC.	8713.000	
	1963.				SEC.	8762.000	
20	2000.	609.4	612.9	-1.5	SEC.	8763.000	

16	1600.	609.1	610.6	-1.8	-2.1	020	100.
17	1700.	609.5	611.2	-1.7	-2.1	020	100.
18	1800.	609.8	611.5	-1.7	-2.0	020	100.
19	1900.	610.2	611.9	-1.6	-2.0	020	100.
	1913.					SEC.	8713.000
	1938.					SEC.	8762.000
	1963.					SEC.	8763.000
20	2000.	609.4	612.9	-3.5	-2.1	020	95.
	2057.					SEC.	8856.000
	2058.					SEC.	8857.000
	2060.					SEC.	8858.000
	2061.					SEC.	8860.000
21	2100.	612.9	618.8	-5.9	-2.3	025	90.
22	2200.	613.2	618.8	-5.6	-2.4	025	86.
23	2300.	613.6	618.8	-5.2	-2.5	025	87.
	2321.					SEC.	9120.000
	2391.					SEC.	9190.000
24	2400.	614.1	618.8	-4.7	-2.6	025	79.
	2462.					SEC.	9260.000
	2463.					SEC.	9261.000
	2480.					SEC.	9279.000
	2481.					SEC.	9280.000
25	2500.	615.4	619.5	-4.1	-2.7	025	72.
	2501.					SEC.	9300.000
	2520.					SEC.	9319.000
	2521.					SEC.	9320.000
	2522.					SEC.	9321.000
	2523.					SEC.	9322.000
	2572.					SEC.	9371.000
26	2600.	618.2	620.6	-2.4	-2.7	025	73.
	2622.					SEC.	9420.000
27	2700.	618.6	621.0	-2.4	-2.7	025	74.
28	2800.	619.3	621.6	-2.4	-2.7	025	79.
29	2900.	620.0	622.3	-2.3	-2.6	025	79.
30	3000.	620.8	623.1	-2.2	-2.6	025	80.
31	3100.	621.6	623.8	-2.2	-2.6	025	81.
32	3200.	622.4	624.5	-2.1	-2.6	025	84.
33	3300.	623.2	625.2	-2.0	-2.6	025	85.
34	3400.	623.9	625.9	-2.0	-2.6	025	85.
35	3500.	624.7	626.6	-1.9	-2.6	025	86.
36	3600.	625.5	627.4	-1.9	-2.5	025	86.
37	3700.	626.3	628.1	-1.8	-2.5	025	86.
38	3800.	627.1	628.8	-1.7	-2.5	025	87.
39	3900.	627.8	629.5	-1.7	-2.5	025	85.
40	4000.	628.6	630.2	-1.6	-2.4	025	85.
41	4100.	629.4	630.9	-1.5	-2.4	025	85.
42	4200.	630.2	631.7	-1.5	-2.4	025	86.
43	4300.	631.0	632.4	-1.4	-2.4	025	86.
	4327.					SEC.	11125.000
	4346.					SEC.	11144.000

38	3700.	620.5	620.1	-1.0	-2.5	025	86.
39	3800.	627.1	628.8	-1.7	-2.5	025	87.
40	3900.	627.8	629.5	-1.7	-2.5	025	85.
41	4000.	628.6	630.2	-1.6	-2.4	025	85.
42	4100.	629.4	630.9	-1.5	-2.4	025	85.
43	4200.	630.2	631.7	-1.5	-2.4	025	86.
	4300.	631.0	632.4	-1.4	-2.4	025	86.
	4327.					SEC. 11125.000	
	4346.					SEC. 11144.000	
	4365.					SEC. 11163.000	
	4366.					SEC. 11164.000	
	4387.					SEC. 11186.000	
	4388.					SEC. 11187.000	
44	4400.	631.9	633.3	-1.4	-2.4	025	86.
	4407.					SEC. 11206.000	
	4427.					SEC. 11225.000	
45	4500.	632.5	634.1	-1.6	-2.3	025	87.
46	4600.	633.2	634.8	-1.5	-2.3	025	87.
47	4700.	634.1	635.6	-1.5	-2.3	025	87.
48	4800.	634.9	636.3	-1.4	-2.3	025	88.
49	4900.	635.8	637.1	-1.4	-2.3	025	88.
50	5000.	636.6	637.9	-1.3	-2.3	025	88.
51	5100.	637.5	638.7	-1.2	-2.2	020	88.
52	5200.	638.3	639.5	-1.2	-2.2	020	87.
53	5300.	639.2	640.3	-1.1	-2.2	020	85.
54	5400.	640.0	641.1	-1.1	-2.2	020	85.
	5415.					SEC. 12.213	
55	5500.	640.9	641.9	-1.0	-2.1	020	84.
56	5600.	641.7	642.7	-1.0	-2.1	020	82.
57	5700.	642.5	643.5	-1.1	-2.1	020	82.
58	5800.	643.3	644.4	-1.1	-2.1	020	81.
59	5900.	644.1	645.2	-1.1	-2.1	020	81.
60	6000.	644.9	646.0	-1.1	-2.1	020	83.
61	6100.	645.8	646.9	-1.1	-2.0	020	87.
62	6200.	646.6	647.7	-1.1	-2.0	020	89.
63	6300.	647.4	648.6	-1.2	-2.0	020	90.
64	6400.	648.2	649.4	-1.2	-2.0	020	91.
	6402.					SEC. 13200.000	
65	6500.	648.9	650.1	-1.2	-2.0	020	57.
66	6600.	649.5	650.7	-1.2	-2.0	020	59.
67	6700.	650.1	651.3	-1.2	-2.0	020	58.
68	6800.	650.6	651.9	-1.3	-2.0	020	57.
69	6900.	651.2	652.5	-1.3	-1.9	020	58.
70	7000.	651.8	653.1	-1.3	-1.9	020	56.
71	7100.	652.3	653.7	-1.3	-1.9	020	55.
72	7200.	652.9	654.3	-1.4	-1.9	020	54.
73	7300.	653.5	654.9	-1.4	-1.9	020	53.
74	7400.	654.1	655.5	-1.4	-1.9	020	54.
75	7500.	654.6	656.1	-1.4	-1.9	020	55.
76	7600.	655.2	656.7	-1.5	-1.9	020	55.
77	7700.						

62	6200.	640.6	647.7	-1.1	-2.0	020	89.
63	6300.	647.4	648.6	-1.2	-2.0	020	90.
64	6400.	648.2	649.4	-1.2	-2.0	020	91.
	6402.					SEC. 13200.000	
65	6500.	648.9	650.1	-1.2	-2.0	020	57.
66	6600.	649.5	650.7	-1.2	-2.0	020	59.
67	6700.	650.1	651.3	-1.2	-2.0	020	58.
68	6800.	650.6	651.9	-1.3	-2.0	020	57.
69	6900.	651.2	652.5	-1.3	-1.9	020	58.
70	7000.	651.8	653.1	-1.3	-1.9	020	// 56.
71	7100.	652.3	653.7	-1.3	-1.9	020	55.
72	7200.	652.9	654.3	-1.4	-1.9	020	54.
73	7300.	653.5	654.9	-1.4	-1.9	020	53.
74	7400.	654.1	655.5	-1.4	-1.9	020	54.
75	7500.	654.6	656.1	-1.4	-1.9	020	55.
76	7600.	655.2	656.7	-1.5	-1.9	020	55.
77	7700.	655.8	657.3	-1.5	-1.9	020	56.
78	7800.	656.4	657.9	-1.5	-1.9	020	56.
79	7900.	656.9	658.4	-1.5	-1.9	020	58.
80	8000.	657.5	659.0	-1.5	-1.9	020	58.
81	8100.	658.1	659.6	-1.6	-1.9	020	58.
82	8200.	658.6	660.2	-1.6	-1.9	020	59.
83	8300.	659.2	660.8	-1.6	-1.9	020	59.
84	8400.	659.8	661.4	-1.6	-1.9	020	60.
	8452.					SEC. 15250.000	
	8487.					SEC. 15285.000	
85	8500.	660.6	662.2	-1.6	-1.9	020	60.
	8522.					SEC. 15320.000	
	8523.					SEC. 15321.000	
	8560.					SEC. 15359.000	
	8561.					SEC. 15360.000	
	8596.					SEC. 15395.000	
86	8600.	664.2	664.1	0.0	-1.8	020	60.
	8631.					SEC. 15430.000	

THIS REACH CAN BE SUBDIVIDED BY INC NO. TO MEET FIA REQUIREMENTS
INPUT 20N WHERE N IS THE NUMBER OF REACHES AND THEN INPUT THE END
OF EACH REACH BY INC NO. FOR EXAMPLE 202 64 86
A NEGATIVE INC NO. WILL SUPPRESS INTERMEDIATE INC OUTPUT.

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123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901
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FLOODWAY
OK

NOTICE THE TUCC SYSTEM WAS SHUTDOWN AT 1600 HRS SAT JULY 1 FOR A MEMORY SWAP AND REMAINED DOWN UNTIL 0100 HRS WED JULY 5 THE ATTEMPT WAS UNSUCCESSFUL BUT WILL BE TRIED AGAIN AT A LATER DATE.

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IEF237I 153 ALLOCATED TO FT95F001
IEF237I 153 ALLOCATED TO FT96F001
IEF142I - STEP WAS EXECUTED - COMD CODE 0000
IEF285I RTI.A25.P03078.JCW.LIB.LOAD KEPT
IEF285I VOL SER NOS= RTI444.
IEF285I SYS78193.T170155.RV001.FITES.I91 DELETED
IEF285I VOL SER NOS= SPARE7.
IEF285I SYS78193.T170155.RV001.FITES.I92 DELETED
IEF285I VOL SER NOS= SPARE7.
IEF285I SYS78193.T170155.RV001.FITES.I93 DELETED
IEF285I VOL SER NOS= SPARE7.
IEF285I SYS78193.T170155.RV001.FITES.I94 DELETED
IEF285I VOL SER NOS= SPARE7.
IEF285I SYS78193.T170155.RV001.FITES.I95 DELETED
IEF285I VOL SER NOS= SPARE7.
IEF285I SYS78193.T170155.RV001.FITES.I96 DELETED
IEF285I VOL SER NOS= SPARE7.

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

T1 FITES CREEK
 T2 FIS CABARRUS CO. JOB 207022
 T3 100 YEAR FLOODWATER SURFACE PROFILE

J1	ICHECK	INQ	MINV	IDIR	STRT	METRIC	HVINS	Q	WSLL	FG
	-1.	4.	0.	0.	0.0	0.0	0.0	0.	605.450	0.0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	0.0	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	38.000	39.000	40.000	41.000	43.000	42.000	1.000	2.000	26.000	53.000
	54.000	25.000	50.000	0.0	200.000	0.0	0.0	0.0	0.0	0.0
NC	0.060	0.070	0.040	0.100	0.300	0.0	0.0	0.0	0.0	0.0
QT	5.000	1070.000	1820.000	2150.000	2920.000	2150.000	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	0.0	7.100	1048.490	1126.000	0.0
X1	6800.000	8.000	1072.000	1108.000	6800.000	6800.000	6800.000	6800.000	0.0	0.0
GR	613.800	1000.000	601.400	1072.000	597.500	1081.000	597.000	1089.000	597.500	1098.000
GR	603.100	1108.000	604.300	1121.000	613.800	1169.000	0.0	0.0	0.0	0.0
NC	0.040	0.050	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	0.0	7.100	1077.390	1216.320	0.0
X1	8713.000	9.000	1175.000	1218.000	1913.000	1913.000	1913.000	1913.000	0.0	0.0
GR	620.300	1000.000	611.500	1062.000	610.600	1100.000	609.100	1175.000	603.800	1190.000
GR	603.600	1193.000	603.900	1198.000	611.800	1218.000	621.700	1248.000	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	0.0	7.100	1077.430	1216.320	0.0
					25.000	25.000	25.000	0.0	0.160	0.0

GR	620.300	1000.000	611.500	1062.000	610.600	1100.000	609.100	1175.000	603.800	1190.000
GR	603.600	1193.000	603.900	1198.000	611.800	1218.000	621.700	1248.000	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	7.100	1077.430	1216.320	0.0	0.0
X1	8762.000	0.0	0.0	0.0	25.000	25.000	25.000	0.0	0.160	0.0
NC	0.070	0.070	0.015	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	7.100	1006.620	1130.190	0.0	0.0
X1	8763.000	12.000	1092.300	1107.800	25.000	25.000	25.000	0.0	0.0	0.0
GR	646.200	1000.000	610.900	1007.000	609.700	1092.300	603.900	1092.300	603.900	1096.100
GR	603.900	1100.000	603.900	1103.900	603.900	1107.800	609.700	1107.800	612.100	1125.000
GR	622.000	1155.000	648.100	1200.000	0.0	0.0	0.0	0.0	0.0	0.0
SB	0.0	1.300	2.500	0.0	15.500	0.0	150.000	0.0	604.900	603.900
ET	0.0	0.0	0.0	0.0	0.0	7.100	1006.740	1125.240	0.0	0.0
X1	8856.000	12.000	1092.300	1107.800	94.000	94.000	94.000	0.0	-0.010	0.0
X2	0.0	0.0	1.000	618.400	646.200	0.0	0.0	0.0	0.0	0.0
BT	7.000	1000.000	646.200	0.0	1092.300	647.100	610.600	1096.100	647.200	614.500
BT	1100.000	647.200	618.400	1103.900	647.200	614.500	1107.800	647.300	610.600	1200.000
BT	648.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GR	646.200	1000.000	611.900	1007.000	610.700	1092.300	604.900	1092.300	604.900	1096.100
GR	604.900	1100.000	604.900	1103.900	604.900	1107.800	610.700	1107.800	613.100	1125.000
GR	623.000	1155.000	648.100	1200.000	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.080	0.085	0.060	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	7.100	1030.000	1130.000	0.0	0.0
X1	8857.000	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	1140.000	1220.000	0.0	0.0
X1	8858.000	9.000	1175.000	1218.000	1.600	1.600	1.600	0.0	1.450	0.0
GR	620.300	1000.000	611.500	1062.000	610.600	1100.000	609.100	1175.000	603.800	1190.000
GR	603.600	1193.000	603.900	1198.000	611.800	1218.000	621.700	1248.000	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	7.100	1145.000	1218.000	0.0	0.0
X1	8860.000	0.0	0.0	0.0	1.600	1.600	1.600	0.0	0.160	0.0
NC	0.085	0.085	0.065	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	7.100	1145.000	1218.000	0.0	0.0
X1	9120.000	12.000	1150.000	1169.000	260.000	260.000	260.000	0.0	0.0	0.0
GR	623.400	1000.000	614.000	1048.000	612.000	1100.000	611.500	1150.000	605.900	1155.000
GR	605.200	1162.000	606.000	1165.000	609.700	1169.000	612.000	1200.000	613.300	1280.000
GR	615.200	1300.000	621.000	1400.000	0.0	0.0	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0

X3	9319.000	16.000	1110.900	1113.100	19.000	19.000	19.000	0.0	0.0	0.0
X4	4.000	616.600	1086.100	615.200	1087.100	608.000	1111.000	608.000	1113.000	0.0
GR	628.300	1000.000	625.600	1010.000	622.600	1058.000	615.400	1075.000	615.200	1086.000
GR	616.600	1086.000	616.600	1087.000	615.200	1087.000	610.100	1110.900	610.100	1113.100
GR	616.100	1122.000	617.100	1122.000	617.100	1132.000	616.100	1132.000	617.400	1142.000
GR	628.300	1176.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.060	0.060	0.025	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	9320.000	0.0	0.0	0.0	1.000	1.000	1.000	0.0	0.0	0.0
X4	4.000	616.600	1086.100	615.200	1087.100	608.000	1111.000	608.000	1113.000	0.0
BT	12.000	1075.000	615.400	0.0	1086.000	615.400	0.0	1086.100	616.600	0.0
BT	1087.000	616.600	0.0	1087.100	616.000	0.0	1110.900	610.100	0.0	1111.000
BT	616.000	610.100	1113.000	616.000	610.100	1113.100	616.000	0.0	1122.000	616.000
BT	0.0	1122.100	617.500	0.0	1132.000	617.500	0.0	0.0	0.0	0.0

X1	9321.000	0.0	0.0	0.0	1.000	1.000	1.000	0.0	0.0	0.0
X4	4.000	616.600	1086.100	615.200	1087.100	608.000	1111.000	608.000	1113.000	0.0
BT	12.000	1075.000	615.400	0.0	1086.000	615.400	0.0	1086.100	616.600	0.0
BT	1087.000	616.600	0.0	1087.100	616.000	0.0	1110.900	610.100	0.0	1111.000
BT	616.000	610.100	1113.000	616.000	610.100	1113.100	616.000	0.0	1122.000	616.000
BT	0.0	1122.100	617.500	0.0	1132.000	617.500	0.0	0.0	0.0	0.0

X1	9322.000	0.0	0.0	0.0	1.000	1.000	1.000	0.0	0.0	0.0
X4	4.000	616.600	1086.100	615.200	1087.100	608.000	1111.000	608.000	1113.000	0.0
NC	0.070	0.070	0.045	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	9371.000	12.000	1111.000	1126.000	49.400	49.400	49.400	0.0	-0.700	0.0
GR	628.300	1000.000	625.600	1010.000	622.600	1058.000	617.200	1092.000	616.200	1100.000
GR	615.800	1111.000	610.300	1114.000	609.400	1119.000	610.000	1123.000	615.900	1126.000
GR	617.400	1142.000	628.300	1176.000	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	1085.000	1145.000	0.0	0.0

X1	9420.000	0.0	0.0	0.0	49.400	49.400	49.400	0.0	0.700	0.0
VC	0.090	0.085	0.070	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	690.000	1230.000	1480.000	2090.000	1480.000	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	-6.400	0.0	0.0	0.0	0.0

X1	11125.000	10.000	1300.000	1312.000	1705.000	1705.000	1705.000	0.0	59.660	0.0
GR	585.200	1000.000	577.200	1100.000	576.800	1164.000	569.800	1200.000	569.800	1300.000
GR	566.600	1302.000	566.400	1305.000	566.900	1308.000	571.300	1312.000	588.100	1361.000

X1	11144.000	0.0	0.0	0.0	10.000	10.000	10.000	0.0	0.0	0.0
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X1	11125.000	10.000	1300.000	1312.000	1705.000	1705.000	1705.000	0.0	59.660	0.0
GR	585.200	1000.000	577.200	1100.000	576.800	1164.000	569.800	1200.000	569.800	1300.000
GR	566.600	1302.000	566.400	1305.000	566.900	1308.000	571.300	1312.000	588.100	1361.000

X1	11144.000	0.0	0.0	0.0	19.200	19.200	19.200	0.0	0.060	0.0
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X1	11163.000	7.000	1100.000	1119.400	19.200	19.200	19.200	0.0	59.900	0.0
GR	584.300	1000.000	566.600	1099.900	566.600	1100.000	566.600	1109.700	567.300	1119.400
GR	567.300	1119.500	591.700	1200.000	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.060	0.060	0.040	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	11164.000	0.0	0.0	0.0	1.000	1.000	1.000	0.0	0.0	0.0
BT	5.000	1000.000	644.200	0.0	1100.000	646.100	644.300	1109.700	646.500	644.700
BT	1119.400	646.700	644.900	1200.000	651.600	0.0	0.0	0.0	0.0	0.0

X1	11186.000	5.000	1100.000	1119.400	21.200	21.200	21.200	0.0	59.900	0.0
BT	7.000	1000.000	644.200	0.0	1099.900	646.100	0.0	1100.000	646.100	644.300
BT	1109.700	646.400	644.700	1119.400	646.700	644.900	1119.500	646.700	0.0	1200.000
BT	651.600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GR	584.300	1000.000	566.600	1100.000	566.600	1109.700	567.300	1119.400	591.700	1200.000
NC	0.100	0.085	0.030	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	11187.000	0.0	0.0	0.0	1.000	1.000	1.000	0.0	0.0	0.0
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X1	11206.000	10.000	1300.000	1312.000	19.200	19.200	19.200	0.0	59.840	0.0
GR	595.200	1000.000	577.200	1100.000	576.800	1164.000	569.800	1200.000	569.800	1300.000
GR	566.600	1302.000	566.400	1305.000	566.900	1308.000	571.300	1312.000	588.100	1361.000

X1	11225.000	0.0	0.0	0.0	19.200	19.200	19.200	0.0	0.060	0.0
NC	0.100	0.100	0.045	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	12.213	13.000	1159.000	1178.000	988.000	988.000	988.000	0.0	51.550	0.0
GR	604.300	1000.000	591.100	1065.000	588.500	1100.000	588.100	1159.000	583.300	1163.000
GR	583.100	1165.000	583.500	1165.000	583.000	1169.000	588.000	1178.000	588.200	1200.000
GR	589.200	1300.000	595.700	1395.000	601.700	1422.000	0.0	0.0	0.0	0.0
NC	0.090	0.090	0.045	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BT	5.000	460.000	850.000	1040.000	1520.000	1040.000	0.0	0.0	0.0	0.0

X1	13200.000	0.0	0.0	0.0	987.000	987.000	987.000	0.0	8.350	0.0
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GR	584.300	1000.000	566.600	1100.000	566.600	1109.700	567.300	0.0	0.0	0.0
NC	0.100	0.085	0.080	0.0	0.0	0.0	0.0	1119.400	591.700	1200.000
								0.0	0.0	0.0
X1	11187.000	0.0	0.0	0.0	1.000	1.000	1.000	0.0	0.0	0.0
X1	11206.000	10.000	1300.000	1312.000	19.200	19.200	19.200	0.0	59.840	0.0
GR	585.200	1000.000	577.200	1100.000	576.800	1164.000	569.800	1200.000	569.800	1300.000
GR	566.600	1302.000	566.400	1305.000	566.900	1308.000	571.300	1312.000	588.100	1361.000
X1	11225.000	0.0	0.0	0.0	19.200	19.200	19.200	0.0	0.060	0.0
NC	0.100	0.100	0.045	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	12.213	13.000	1159.000	1178.000	988.000	988.000	988.000	0.0	51.550	0.0
GR	604.300	1000.000	591.100	1065.000	588.500	1100.000	588.100	1159.000	583.300	1163.000
GR	583.100	1165.000	583.500	1165.000	583.000	1169.000	588.000	1178.000	588.200	1200.000
GR	589.200	1300.000	595.700	1395.000	601.700	1422.000	0.0	0.0	0.0	0.0
NC	0.090	0.090	0.045	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	5.000	460.000	850.000	1040.000	1520.000	1040.000	0.0	0.0	0.0	0.0
X1	13200.000	0.0	0.0	0.0	987.000	987.000	987.000	0.0	8.350	0.0
ET	5.000	0.0	0.0	0.0	0.0	7.100	1370.000	1420.000	0.0	0.0
X1	15250.000	13.000	1381.000	1400.000	2050.000	2050.000	2050.000	0.0	59.900	0.0
GR	611.400	1000.000	605.700	1100.000	603.700	1200.000	601.600	1300.000	600.000	1381.000
GR	594.000	1386.000	593.000	1390.000	595.200	1390.000	594.500	1395.000	601.000	1400.000
GR	603.400	1464.000	606.100	1493.000	611.400	1520.000	0.0	0.0	0.0	0.0
ET	5.000	0.0	0.0	0.0	0.0	7.100	1302.260	1414.260	0.0	0.0
X1	15285.000	0.0	0.0	0.0	35.000	35.000	35.000	0.0	0.560	0.0
ET	5.000	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0
X1	15320.000	18.000	1457.400	1462.600	35.000	35.000	35.000	0.0	59.900	0.0
GR	611.300	1000.000	607.000	1100.000	607.200	1187.000	607.200	1200.000	602.800	1300.000
GR	603.100	1350.000	602.700	1370.000	602.100	1400.000	601.100	1451.000	597.500	1457.400
GR	595.600	1458.200	594.700	1460.000	595.600	1461.800	597.500	1462.600	602.600	1500.000
GR	603.500	1538.000	609.200	1600.000	611.300	1616.000	0.0	0.0	0.0	0.0
NC	0.060	0.060	0.015	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	15321.000	0.0	0.0	0.0	1.000	1.000	1.000	0.0	0.030	0.0
BT	16.000	1000.000	671.200	0.0	1100.000	666.900	0.0	1187.000	667.100	0.0
BT	1200.000	667.100	0.0	1300.000	662.700	0.0	1250.000	662.000	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 FLOODWATER SURF

SUMMARY PRINTOUT

SECD	XLCH	ELTRD	ELLC	Q	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	UFWSP
6800.000	6800.00	0.0	0.0	2150.00	597.00	605.45	0.0	8.10	1048.48	1126.81	318.63	0.0
6800.000	6800.00	0.0	0.0	2150.00	597.00	606.45	0.0	6.75	1048.49	1126.80	396.94	1.00
8713.000	1913.00	0.0	0.0	2150.00	603.60	612.07	0.0	6.52	1057.99	1218.82	441.94	0.0
8713.000	1713.00	0.0	0.0	2150.00	603.60	611.78	0.0	7.31	1077.39	1216.32	386.82	-0.29
8762.000	25.00	0.0	0.0	2150.00	603.76	612.10	0.0	6.81	1058.88	1218.43	421.52	0.0
8762.000	25.00	0.0	0.0	2150.00	603.76	611.84	0.0	7.53	1077.43	1216.32	374.58	-0.27
* 8763.000	25.00	0.0	0.0	2150.00	603.90	612.79	612.79	12.67	1006.62	1127.09	383.94	0.0
* 8763.000	25.00	0.0	0.0	2150.00	603.90	612.81	612.81	12.62	1006.62	1127.14	385.88	0.02
* 8856.000	94.00	646.20	618.40	2150.00	604.89	613.17	613.17	18.16	1006.74	1125.24	118.42	0.0
* 8856.000	94.00	646.20	618.40	2150.00	604.89	613.17	613.17	18.16	1006.74	1125.24	118.42	0.0
8857.000	1.00	0.0	0.0	2150.00	604.89	618.71	0.0	2.82	1025.61	1142.04	1017.62	0.0
8857.000	1.00	0.0	0.0	2150.00	604.89	618.67	0.0	3.50	1030.00	1130.00	823.53	-0.05
8858.000	1.60	0.0	0.0	2150.00	605.05	618.75	0.0	2.19	1021.15	1234.66	1420.60	0.0
8858.000	1.60	0.0	0.0	2150.00	605.05	618.64	0.0	3.54	1140.00	1220.00	736.69	-0.11
8860.000	1.60	0.0	0.0	2150.00	605.21	618.75	0.0	2.24	1022.27	1234.18	1386.69	0.0
8860.000	1.60	0.0	0.0	2150.00	605.21	618.63	0.0	3.69	1145.00	1218.00	677.35	-0.12
9120.000	260.00	0.0	0.0	2150.00	605.20	618.86	0.0	1.88	1023.16	1363.00	1402.03	0.0

8856.000	94.00	646.20	618.40	2150.00	604.89	613.17	613.17	12.62	1006.62	1127.14	385.88	0.02
8856.000	94.00	646.20	618.40	2150.00	604.89	613.17	613.17	18.16	1006.74	1125.24	118.42	0.0
8857.000	1.00	0.0	0.0	2150.00	604.89	618.71	0.0	2.82	1005.61	1142.04	1017.62	0.0
8857.000	1.00	0.0	0.0	2150.00	604.89	618.67	0.0	3.50	1030.00	1130.00	823.53	-0.05
8858.000	1.60	0.0	0.0	2150.00	605.05	618.75	0.0	2.19	1021.15	1234.66	1420.60	0.0
8858.000	1.60	0.0	0.0	2150.00	605.05	618.64	0.0	3.54	1140.00	1220.00	736.69	-0.11
8860.000	1.60	0.0	0.0	2150.00	605.21	618.75	0.0	2.24	1022.27	1234.18	1386.69	0.0
8860.000	1.60	0.0	0.0	2150.00	605.21	618.63	0.0	3.69	1145.00	1218.00	677.35	-0.12
9120.000	260.00	0.0	0.0	2150.00	605.20	618.86	0.0	1.88	1023.16	1363.20	1902.93	0.0
9120.000	260.00	0.0	0.0	2150.00	605.20	618.99	0.0	4.57	1145.00	1218.00	643.01	0.12
9190.000	70.20	0.0	0.0	2150.00	606.15	618.89	0.0	2.27	1027.88	1347.23	1597.71	0.0
9190.000	70.20	0.0	0.0	2150.00	606.15	619.24	0.0	2.66	1078.65	1260.13	1249.09	0.35
9260.000	70.20	0.0	0.0	2150.00	607.20	617.42	0.0	12.09	1109.91	1127.79	178.73	0.0
9260.000	70.20	0.0	0.0	2150.00	607.20	618.01	0.0	11.42	1110.00	1127.70	188.25	0.58
9261.000	1.00	618.00	616.40	2150.00	607.20	617.01	0.0	13.64	1109.91	1127.79	158.31	0.0
9261.000	1.00	618.00	616.40	2150.00	607.20	617.43	0.0	13.64	1109.90	1127.79	158.35	0.43
9279.000	17.20	618.00	616.40	2150.00	607.20	617.61	0.0	13.64	1109.90	1127.79	158.36	0.0
9279.000	17.20	618.00	616.40	2150.00	607.20	618.04	615.07	13.63	1108.01	1127.80	158.60	0.43

SECNO	XLCH	ELTFD	ELLC	R	ELMIN	CNSEL	CRWS	VCH	SSTA	ENDST	AREA	UFWSP
9280.000	1.00	0.0	0.0	2150.00	607.20	619.00	0.0	10.31	1081.47	1141.23	230.52	0.0
9280.000	1.00	0.0	0.0	2150.00	607.20	619.52	0.0	10.00	1110.00	1127.70	214.92	0.52
9300.000	20.00	0.0	0.0	2150.00	608.60	620.02	0.0	8.57	1069.23	1152.66	358.20	0.0
9300.000	20.00	0.0	0.0	2150.00	608.60	620.53	0.0	8.29	1080.00	1140.00	354.73	0.51
9319.000	19.00	0.0	0.0	2150.00	608.00	620.59	0.0	5.23	1062.74	1151.96	466.99	0.0
9319.000	19.00	0.0	0.0	2150.00	608.00	621.12	0.0	4.68	1061.49	1153.61	514.99	0.53
9320.000	1.00	610.10	610.10	2150.00	608.00	620.44	0.0	5.73	1063.09	1151.50	380.56	0.0
9320.000	1.00	610.10	610.10	2150.00	608.00	621.02	0.0	5.12	1061.74	1153.28	429.20	0.57

9320.000	1.00	610.10	610.10	2150.00	608.00	620.44	0.0	5.73	1063.09	1151.50	380.56	0.0
9320.000	1.00	610.10	610.10	2150.00	608.00	621.02	0.0	5.12	1061.74	1153.28	429.20	0.57
9321.000	1.00	610.10	610.10	2150.00	608.00	620.45	0.0	5.66	1063.08	1151.51	380.87	0.0
9321.000	1.00	610.10	610.10	2150.00	608.00	621.02	0.0	5.06	1061.73	1153.29	429.45	0.57
9322.000	1.00	0.0	0.0	2150.00	608.00	620.63	0.0	8.38	1062.64	1152.10	470.98	0.0
9322.000	1.00	0.0	0.0	2150.00	608.00	621.15	0.0	7.55	1061.42	1153.70	517.70	0.52
9371.000	49.40	0.0	0.0	2150.00	608.70	620.60	0.0	8.27	1066.19	1154.16	399.52	0.0
9371.000	49.40	0.0	0.0	2150.00	608.70	621.12	0.0	7.47	1062.89	1155.80	446.92	0.52
9420.000	49.40	0.0	0.0	2150.00	609.40	620.71	0.0	9.32	1069.90	1152.33	349.37	0.0
9420.000	49.40	0.0	0.0	2150.00	609.40	621.13	0.0	8.87	1085.00	1145.00	347.85	0.42
11125.000	1705.00	0.0	0.0	1480.00	626.06	632.93	0.0	4.66	1192.17	1317.74	450.30	0.0
11125.000	1705.00	0.0	0.0	1480.00	626.06	633.18	631.50	5.48	1220.50	1315.10	371.18	0.25
11144.000	19.20	0.0	0.0	1480.00	626.12	633.07	0.0	4.56	1181.81	1317.94	459.76	0.0
11144.000	19.20	0.0	0.0	1480.00	626.12	633.37	0.0	5.27	1220.27	1315.20	384.19	0.30
11163.000	19.20	0.0	0.0	1480.00	626.50	632.96	0.0	7.14	1063.41	1138.52	296.03	0.0
11163.000	19.20	0.0	0.0	1480.00	626.50	633.15	0.0	8.28	1088.53	1126.05	223.67	0.19
11164.000	1.00	644.20	644.90	1480.00	626.50	632.90	0.0	7.75	1063.80	1138.29	290.84	0.0
11164.000	1.00	644.20	644.90	1480.00	626.50	632.45	0.0	11.60	1089.61	1125.40	159.22	-0.45
11186.000	21.20	644.20	644.90	1480.00	626.50	633.00	0.0	7.60	1063.26	1138.57	297.84	0.0
11186.000	21.20	644.20	644.90	1480.00	626.50	632.90	0.0	10.78	1089.30	1125.60	172.68	-0.10
11187.000	1.00	0.0	0.0	1480.00	626.50	633.17	0.0	6.66	1062.29	1139.13	310.84	0.0
11187.000	1.00	0.0	0.0	1480.00	626.50	634.03	0.0	7.00	1087.60	1126.61	263.73	0.86
11206.000	19.20	0.0	0.0	1480.00	626.24	633.69	0.0	3.79	1179.17	1319.44	530.68	0.0
11206.000	19.20	0.0	0.0	1480.00	626.24	634.65	0.0	3.71	1215.77	1316.07	519.21	0.96
11225.000	19.20	0.0	0.0	1480.00	626.30	633.79	0.0	3.74	1178.95	1319.56	536.54	0.0
11225.000	19.20	0.0	0.0	1480.00	626.30	634.73	0.0	3.69	1215.53	1316.13	521.53	0.94
* 12.213	988.00	0.0	0.0	1480.00	634.55	641.58	641.58	8.98	1079.45	1312.08	396.40	0.0
* 12.213	988.00	0.0	0.0	1480.00	634.55	641.84	641.84	10.68	1133.14	1215.30	237.03	0.26
13200.000	987.00	0.0	0.0	1040.00	642.90	649.82	0.0	6.43	1081.03	1310.36	369.25	0.0
13200.000	987.00	0.0	0.0	1040.00	642.90	650.73	0.0	6.39	1134.96	1212.15	269.24	0.91
15250.000	2050.00	0.0	0.0	1040.00	653.70	662.03	0.0	7.21	1274.26	1430.41	249.92	0.0
15250.000	2050.00	0.0	0.0	1040.00	653.70	662.21	0.0	8.00	1370.00	1420.00	162.93	0.17

SECNO	XLCH	ELTRD	ELLC	O	ELMIN	CWSEL	CRWS	VCH	SSTA	ENDST	AREA	UIFWSP
15285.000	35.00	0.0	0.0	1040.00	654.26	662.00	661.51	8.94	1302.56	1414.64	170.61	0.0
15285.000	35.00	0.0	0.0	1040.00	654.26	662.84	0.0	6.71	1302.26	1414.26	262.26	0.83
15320.000	35.00	0.0	0.0	1040.00	654.80	663.02	0.0	9.27	1292.78	1521.84	296.40	0.0
* 15320.000	35.00	0.0	0.0	1040.00	654.80	662.93	662.93	13.43	1428.16	1473.21	152.32	-0.09
* 15321.000	1.00	662.50	660.00	1040.00	654.83	664.35	664.35	10.12	1263.19	1548.00	370.68	0.0
* 15321.000	1.00	662.50	660.00	1040.00	654.83	665.22	665.22	12.26	1388.94	1490.95	235.21	0.87
15359.000	37.70	662.50	661.20	1040.00	656.07	664.80	0.0	6.98	1251.62	1553.54	509.53	0.0
15359.000	37.70	662.50	661.20	1040.00	656.07	666.14	0.0	6.89	1358.89	1498.24	446.41	1.34
15360.000	1.00	0.0	0.0	1040.00	656.07	664.95	0.0	3.53	1248.23	1555.16	791.80	0.0
15360.000	1.00	0.0	0.0	1040.00	656.07	666.31	0.0	3.51	1378.58	1494.84	625.38	1.36
15395.000	35.00	0.0	0.0	1040.00	656.65	664.09	664.05	9.83	1318.24	1406.38	139.60	0.0
15395.000	35.00	0.0	0.0	1040.00	656.65	666.18	0.0	5.29	1318.24	1406.38	324.11	2.09
* 15430.000	35.00	0.0	0.0	1040.00	657.21	664.59	664.59	9.99	1321.13	1404.86	134.71	0.0
* 15430.000	35.00	0.0	0.0	1040.00	657.21	666.20	0.0	6.15	1321.13	1404.86	269.66	1.61

SUMMARY OF ERRORS

CAUTION SECNO= 8763.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 8763.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 8763.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 8763.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 8763.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 8763.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 8856.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 8856.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 8856.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 8856.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 8856.000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 8856.000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 12 213 PROFILE= 1 CRITICAL DEPTH ASSUMED

FLOODWAY DATA, 100 YEAR FLOODWATER SURF
 PROFILE NO. 2

STATION	FLOODWAY WIDTH (FT)	FLOODWAY SECTION AREA	MEAN VELOCITY	WATER SURFACE ELEVATION		DIFFERENCE
				WITH FLOODWAY	WITHOUT FLOODWAY	
A ✓ 6800.000	73.	397.	5.4	606.4	605.4	1.0 - OK AT NATURAL LEAD.
B ✓ 8713.000	139.	387.	5.6	611.9	612.1	0.2 - "0" DIFFERENCE
8762.000	139.	375.	5.7	611.9	612.1	-0.2
8763.000	121.	386.	5.6	612.8	612.8	0.0
8856.000	118.	118.	18.2	613.2	613.2	0.0
8957.000	100.	924.	2.6	618.7	618.7	0.0
8958.000	80.	737.	2.9	618.7	618.7	0.0
C ✓ 8960.000	73.	677.	3.2	618.7	619.7	0.0 - OK
D ✓ 9120.000	73.	643.	3.3	619.0	619.9	0.1 - OK
9190.000	101.	1249.	1.7	619.3	618.9	0.4
9260.000	18.	180.	11.4	618.0	617.4	0.6
9261.000	18.	150.	13.6	617.4	617.0	0.4
9279.000	20.	159.	13.6	618.0	617.6	0.4
9280.000	18.	215.	10.0	619.5	619.0	0.5
E ✓ 9300.000	60.	355.	6.1	620.5	620.0	0.5 - OK
9319.000	92.	515.	4.2	621.1	620.6	0.5
9320.000	92.	429.	5.0	621.0	620.4	0.6
9321.000	92.	429.	5.0	621.1	620.5	0.6
9322.000	92.	518.	4.2	621.1	620.6	0.5
9371.000	93.	447.	4.8	621.1	620.6	0.5
F ✓ 9420.000	60.	340.	6.2	621.1	620.7	0.4 - OK
11125.000	95.	371.	4.0	633.2	632.9	0.3
G ✓ 11144.000	95.	384.	3.9	633.4	633.1	0.3 - OK
11163.000	38.	224.	6.6	633.2	633.0	0.2
11164.000	36.	159.	9.3	632.6	632.9	-0.3
11186.000	36.	173.	8.6	633.0	633.0	0.0
11187.000	39.	264.	5.5	634.1	633.2	0.9
11206.000	100.	519.	2.9	634.7	633.7	1.0
H ✓ 11225.000	101.	522.	2.8	634.7	633.8	0.9 - OK
12.213	92.	237.	6.2	641.9	641.6	0.3
I ✓ 13200.000	77.	269.	3.3	650.7	649.8	0.9 - OK
J ✓ 15250.000	50.	163.	5.4	662.2	662.0	0.2 - OK
15285.000	112.	262.	4.0	662.0	662.0	0.0
15320.000	45.	152.	6.9	663.0	663.0	0.0
15321.000	102.	235.	4.4	665.2	664.3	0.9
15359.000	139.	446.	2.3	666.1	664.8	1.3
15360.000	116.	625.	1.7	666.3	664.9	1.4
15395.000	89.	324.	3.2	666.2	664.1	2.1
K ✓ 15430.000	84.	270.	3.9	666.2	664.6	1.6 - OK AT NATURAL LEAD.