

Little Long

Creek

THIS RUN EXECUTED

H-4755

HEC2 RELEASE DATED NOV 76 UPDATED AUG1977
ERROR CORR - 01.02
MODIFICATION - 50,51,52,53

LITTLE LONG CREEK
LOWER SECTION
NATL. PROFILES

T1 STANLY CO. - ALBEMARLE
T2
T3 LITTLE LONG CREEK 10 YR.

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	F0	
	0.	2.	0.	0.	0.003200	0.0	-1.0	0.	410.000	0.0	
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE	
	1.000	0.0	-1.000	0.0	0.0	1.200	0.0	0.0	0.0	0.0	
J3	VARIABLE CODES FOR SUMMARY PRINTOUT										
	150.000	201.000	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	0.0	0.0	0.0	9.100	165.000	405.000
NC	0.090	0.070	0.063	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	9.000	5181.000	7311.000	7966.000	10194.000	7966.000	7966.000	7966.000	7966.000	7966.000	7966.000
X1	29.000	28.000	363.000	405.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GR	426.500	0.0	407.200	100.000	407.500	144.000	402.600	150.000	402.700	154.000	368.000
GR	404.400	158.000	405.400	200.000	405.400	300.000	405.200	363.000	400.200	418.500	432.000
GR	398.200	386.000	399.700	402.000	405.200	405.000	416.400	410.000	418.500	419.600	495.000
GR	419.200	462.000	417.800	472.000	418.100	493.000	420.800	494.000	419.600	495.000	586.000
GR	419.500	500.000	419.500	556.000	428.500	557.000	420.100	563.000	414.900	586.000	0.0
GR	425.000	600.000	425.600	700.000	426.600	730.000	0.0	0.0	0.0	0.0	0.0
NC	0.070	0.125	0.055	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	9.000	5187.000	7315.000	7969.000	10193.000	7969.000	7969.000	7969.000	7969.000	7969.000	7969.000
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.100	180.000	440.000
X1	30.000	19.000	181.000	218.000	390.000	550.000	500.000	0.0	0.0	0.0	0.0
GR	419.900	0.0	437.300	23.000	422.900	38.000	419.300	100.000	415.200	164.000	218.000
GR	404.400	181.000	401.500	186.000	399.800	197.000	400.500	209.000	405.900	600.000	0.0
GR	407.000	225.000	406.400	300.000	407.300	400.000	408.400	500.000	421.500	0.0	0.0
GR	421.000	640.000	419.400	644.000	420.400	648.000	420.100	672.000	0.0	0.0	0.0
NC	0.0	0.0	0.0	0.300	0.500	0.0	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.100	340.000	620.000	0.0
X1	31.200	22.000	352.000	427.000	136.000	146.000	141.000	0.0	0.0	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	412.200	408.700	0.0	0.0
GR	416.200	0.0	428.100	100.000	419.900	200.000	414.500	263.000	411.000	300.000	394.000
GR	406.600	352.000	406.600	352.100	405.800	365.000	402.000	370.000	401.100	427.000	900.000
GR	401.300	410.000	401.600	412.000	405.500	415.000	406.300	426.900	406.300	0.0	0.0
GR	407.300	500.000	408.700	600.000	411.200	700.000	415.500	800.000	422.800	0.0	0.0
GR	430.800	1000.000	435.600	1067.000	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	0.0	0.0	9.110	340.000	620.000	0.0
X1	31.250	0.0	0.0	0.0	1.000	1.000	1.000	0.0	0.0	0.0	0.0
X2	0.0	0.0	0.0	411.800	408.700	0.0	0.0	0.0	0.0	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	412.600	408.700	0.0	0.0
BT	17.000	200.000	419.900	419.900	263.000	415.500	414.500	300.000	413.900	411.000	0.0

GR	415.800	491.000	416.800	500.000	424.200	600.000	428.300	637.000	429.100	663.000
GR	429.700	689.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.0	0.0	0.0	0.300	0.500	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.110	537.000	997.000
X1	36.200	33.000	956.000	997.000	120.000	30.000	90.000	0.0	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	414.900	417.000	0.0
GR	441.800	0.0	434.400	52.000	433.700	77.000	433.500	149.000	429.600	207.000
GR	429.400	231.000	428.700	308.000	417.600	408.000	417.100	462.000	417.100	539.000
GR	416.500	616.000	415.600	693.000	414.900	770.000	414.900	847.000	414.900	894.000
GR	414.900	924.000	414.800	953.000	414.500	956.000	410.000	963.000	407.700	974.000
GR	409.500	989.000	415.700	997.000	416.000	1008.000	420.700	1078.000	425.600	1155.000
GR	429.500	1229.000	428.800	1309.000	427.000	1386.000	426.500	1463.000	427.500	1540.000
GR	429.900	1617.000	434.300	1694.000	437.200	1736.000	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.110	537.000	997.000
X1	36.250	0.0	0.0	0.0	1.000	1.000	1.000	0.0	0.0	0.0
X2	0.0	0.0	0.0	415.700	414.900	0.0	0.0	0.0	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	414.900	418.200	0.0
BT	19.000	308.000	428.700	428.700	408.000	417.600	417.600	462.000	417.100	417.100
BT	539.000	417.100	417.100	616.000	416.500	416.500	693.000	415.600	415.600	770.000
BT	414.900	414.900	847.000	714.900	414.900	894.000	415.000	414.900	924.000	418.200
BT	314.900	953.000	417.900	414.800	956.000	418.000	415.700	963.000	418.000	415.700
BT	974.000	418.000	415.700	989.000	418.000	415.700	997.000	418.000	415.700	1008.000
BT	418.200	416.000	1078.000	420.700	420.700	1155.000	425.600	425.600	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.110	537.000	997.000
X1	36.350	0.0	0.0	0.0	18.000	18.000	18.000	0.0	0.0	0.0
X2	0.0	0.0	0.0	415.700	414.900	0.0	1.000	0.0	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	414.900	418.200	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.110	537.000	997.000
X1	36.300	0.0	0.0	0.0	1.000	1.000	1.000	0.0	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	414.900	418.200	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.100	577.000	997.000
X1	36.400	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.100	0.0
NC	0.140	0.140	0.065	0.010	0.010	0.0	0.0	0.0	0.0	0.0
QT	9.000	4345.000	6258.000	6882.000	8939.000	6882.000	6882.000	6882.000	6882.000	6882.000
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.100	275.000	675.000
X1	37.000	30.000	449.000	490.000	1060.000	1040.000	1100.000	0.0	0.0	0.0
GR	441.200	0.0	436.900	4.000	437.100	19.000	436.300	34.000	432.700	52.000
GR	431.700	103.000	431.500	113.000	431.400	123.000	432.100	136.000	431.500	146.000
GR	430.000	160.000	431.200	175.000	431.200	179.000	429.600	191.000	418.100	216.000
GR	415.800	300.000	415.100	400.000	415.300	449.000	412.200	454.000	410.500	469.000
GR	411.200	486.000	414.900	490.000	416.100	500.000	417.600	600.000	416.300	700.000
GR	416.300	728.000	433.900	783.000	434.500	800.000	435.800	838.000	439.200	852.000
NH	5.000	10.000	454.000	0.145	467.000	0.065	505.000	0.125	600.000	10.000
NH	896.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	9.000	4349.000	6261.000	6884.000	8937.000	6884.000	6884.000	6884.000	6084.000	6884.000
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.100	467.000	597.000
X1	38.000	32.000	467.000	505.000	720.000	810.000	780.000	0.0	0.0	0.0
GR	441.200	0.0	429.200	27.000	428.100	100.000	427.100	162.000	427.300	200.000
GR	427.000	251.000	426.700	259.000	427.600	300.000	427.900	312.000	427.100	326.000
GR	428.000	330.000	424.700	342.000	427.000	400.000	425.200	454.000	418.800	467.000
GR	413.000	474.000	410.200	497.000	413.300	501.000	415.400	505.000	416.300	525.000
GR	421.000	542.000	421.100	551.000	419.200	563.000	419.700	600.000	419.500	662.000
GR	420.100	700.000	420.000	770.000	419.300	773.000	423.800	783.000	424.200	800.000
GR	429.000	831.000	431.500	871.000	0.0	0.0	0.0	0.0	0.0	0.0

NH	1040.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.100	475.000	535.000
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
X1	39.200	23.000	478.000	566.000	220.000	160.000	190.000	0.0	0.0	0.0	0.0
GR	442.900	0.0	433.800	100.000	428.500	200.000	428.000	266.000	427.800	300.000	0.0
GR	427.900	317.000	428.200	404.000	428.300	417.000	427.900	474.000	423.300	478.000	0.0
GR	422.600	483.000	416.400	499.000	412.900	515.000	413.300	528.000	417.100	534.000	0.0
GP	427.900	535.000	427.700	566.000	427.900	570.000	428.100	600.000	429.300	601.000	0.0
GR	431.400	800.000	436.600	900.000	441.500	976.000	0.0	0.0	0.0	0.0	0.0
SB	1.250	1.560	2.900	180.000	21.000	2.000	425.000	1.500	412.900	412.900	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.110	475.000	535.000	0.0
X1	30.300	0.0	0.0	0.0	20.000	20.000	20.000	0.0	0.0	0.0	0.0
X2	1.0	0.0	1.000	424.400	427.000	0.0	0.0	0.0	0.0	0.0	0.0
NH	5.000	10.000	450.000	0.145	467.000	0.065	532.000	0.125	600.000	10.000	0.0
NH	1040.000	0.0	0.0	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	0.0	0.0	9.100	450.000	600.000	0.0
X1	39.400	16.000	467.000	532.000	200.000	150.000	160.000	0.0	0.0	0.0	0.0
GR	440.000	0.0	435.000	45.000	430.000	165.000	425.000	450.000	420.000	467.000	0.0
GR	415.000	485.000	413.300	500.000	413.700	513.000	415.000	522.000	420.000	532.000	0.0
GR	425.000	542.000	429.000	600.000	428.700	777.000	430.000	860.000	435.000	990.000	0.0
GR	440.000	1040.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.0	0.0	0.0	0.100	0.300	0.0	0.0	0.0	0.0	0.0	0.0
NH	5.000	10.000	440.000	0.145	460.000	0.065	540.000	0.125	685.000	10.000	0.0
NH	1010.000	0.0	0.0	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	0.0	0.0	9.100	435.000	685.000	0.0
X1	39.450	16.000	460.000	540.000	120.000	120.000	120.000	0.0	0.0	0.0	0.0
GR	440.000	0.0	435.000	40.000	430.000	160.000	425.000	320.000	420.000	370.000	0.0
GR	420.000	385.000	425.000	440.000	420.000	460.000	415.000	478.000	413.700	493.000	0.0
GR	415.000	515.000	420.000	540.000	427.400	685.000	425.000	840.000	430.000	940.000	0.0
GR	435.000	1010.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.140	0.050	0.050	0.010	0.010	0.0	0.0	0.0	0.0	0.0	0.0
QT	9.000	4237.000	6127.000	6748.000	8790.000	6748.000	6748.000	6748.000	6748.000	6748.000	0.0
NH	4.000	10.000	102.000	0.140	199.000	0.050	252.000	0.050	859.000	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.100	175.000	755.000	0.0
X1	40.000	28.000	199.000	252.000	1070.000	1000.000	1060.000	0.0	0.0	0.0	0.0
GR	424.500	0.0	421.300	74.000	427.500	81.000	428.000	89.000	428.600	102.000	0.0
GR	426.600	114.000	424.400	122.000	424.600	187.000	422.200	199.000	416.500	210.000	0.0
GR	416.700	227.000	415.700	243.000	422.100	252.000	422.900	263.000	421.500	280.000	0.0
GR	421.500	300.000	422.100	400.000	422.700	500.000	422.600	600.000	423.000	700.000	0.0
GR	422.600	760.000	427.500	773.000	428.800	792.000	429.100	803.000	428.800	813.000	0.0
GR	428.300	817.000	437.400	826.000	442.500	859.000	0.0	0.0	0.0	0.0	0.0
NC	0.0	0.0	0.0	0.300	0.500	0.0	0.0	0.0	0.0	0.0	0.0
NH	4.000	10.000	401.000	0.140	532.000	0.050	585.000	0.050	1227.000	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.110	401.000	1001.000	0.0
X1	41.200	32.000	532.000	585.000	160.000	260.000	190.000	0.0	0.0	0.0	0.0
GR	435.700	0.0	432.600	5.000	435.000	17.000	434.400	30.000	431.100	35.000	0.0
GR	427.200	100.000	425.800	200.000	425.200	300.000	424.600	375.000	430.100	388.000	0.0
GR	429.800	401.000	427.700	500.000	427.500	522.000	426.400	526.000	421.500	532.000	0.0
GR	418.000	536.000	417.100	557.000	417.400	582.000	420.500	585.000	421.000	600.000	0.0
GR	426.400	602.000	424.500	700.000	424.500	800.000	424.600	900.000	425.300	1000.000	0.0
GR	428.600	1005.000	428.600	1021.000	432.100	1095.000	432.300	1111.000	432.400	1127.000	0.0
GR	434.100	1200.000	437.000	1227.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SB	1.250	1.560	2.800	0.0	37.000	10.000	455.000	2.100	417.100	417.100	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.110	401.000	1001.000	0.0
X1	41.300	0.0	0.0	0.0	20.000	20.000	20.000	0.0	0.0	0.0	0.0
X2	0.0	0.0	1.000	426.400	424.500	0.0	0.0	0.0	0.0	0.0	0.0



THIS RUN EXECUTED

HEC2 RELEASE DATED NOV 76 UPDATED AUG 1977
ERROR CORR - 01.02
MODIFICATION - 50.51.52.53

T1 STANLY CO. - ALBEMARLE

T2
T3 LITTLE LONG CREEK 50 YR.

J1	I CHECK	INQ	NINV	IDIR	STRT	METRIC	RVINS	Q	WSEL	F0
	0.	3.	0.	0.	0.003200	0.0	-1.0	0.	412.000	0.0
J2	NPROF	I PLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	I TRACE
	2.000	0.0	-1.000	0.0	0.0	1.200	0.0	0.0	0.0	0.0

THIS RUN EXECUTED

HEC2 RELEASE DATED NOV 76 UPDATED AUG1977
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T1 STANLY CO. - ALBEMARLE
T2
T3 LITTLE LONG CREEK 50 YR.

J1	ICHECK	INQ	NINV	DIR	STRT	METRIC	HVINS	Q	WSEL	FO
	0.	3.	0.	0.	0.003200	0.0	-1.0	0.	412.000	0.0
J2	NPROF	IPLQT	PRFVS	XSECV	XSECH	FN	ALLOC	IBW	CHNH	TRACE
	2.000	0.0	-1.000	0.0	0.0	1.200	0.0	0.0	0.0	0.0

THIS RUN EXECUTED



 MEC2 RELEASE DATED NOV 76 UPDATED AUG1977
 ERROR CORR - 01,02
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T1 STANLY CO. - ALBEMARLE
 T2 LITTLE LONG CREEK
 T3 100 YR.

J1	ICHECK	JNQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	0.	4.	0.	0.	0.003200	0.0	-1.0	0.	413.000	0.0
J2	NPRNF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIN	ITRACE
	3.000	0.0	-1.000	0.0	0.0	1.200	0.0	0.0	0.0	0.0

THIS RUN EXECUTED

HEC2 RELEASE DATED NOV 76 UPDATED AUG1977
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T1 STANLY CO. - ALREMARLE
T2
T3 LITTLE LONG CREEK 500 YR.

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	0.	5.	0.	0.	0.003200	0.0	-1.0	0.	415.000	0.0
J2	NPROF	IPLDT	PRFVS	XSECV	XSECH	FN	ALLOC	IBW	CHNIM	ITRACE
	15.000	0.0	-1.000	0.0	0.0	1.200	0.0	0.0	0.0	0.0

THIS RUN EXECUTED

 HEC2 RELEASE DATED NOV 76 UPDATED AUG1977
 ERROR CORR - 01.02
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NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

LITTLE LONG CREEK

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K*S	VCH	AREA	.01K
29.000	0.0	0.0	0.0	398.20	5181.00	410.43	0.0	410.64	32.06	4.97	1765.22	915.06
29.000	0.0	0.0	0.0	398.20	7311.00	411.87	0.0	412.11	32.18	5.42	2238.04	1288.81
29.000	0.0	0.0	0.0	398.20	7966.00	412.24	0.0	412.49	32.61	5.56	2361.96	1394.88
29.000	0.0	0.0	0.0	398.20	10194.00	413.52	0.0	413.80	32.38	5.92	2796.27	1791.58
30.000	500.00	0.0	0.0	399.80	5187.00	411.99	0.0	412.35	40.03	6.58	1849.10	819.82
30.000	500.00	0.0	0.0	399.80	7315.00	413.43	0.0	413.83	40.60	7.21	2376.31	1147.98
30.000	500.00	0.0	0.0	399.80	7969.00	413.82	0.0	414.23	41.08	7.41	2518.57	1243.40
30.000	500.00	0.0	0.0	399.80	10193.00	415.10	0.0	415.54	41.17	7.92	3003.63	1588.66
31.200	141.00	0.0	0.0	401.10	5187.00	412.59	0.0	412.81	22.96	4.66	2080.65	1082.44
31.200	141.00	0.0	0.0	401.10	7315.00	414.05	0.0	414.30	22.60	5.09	2772.65	1538.59
31.200	141.00	0.0	0.0	401.10	7969.00	414.45	0.0	414.70	22.51	5.21	2975.06	1679.66
31.200	141.00	0.0	0.0	401.10	10193.00	415.74	0.0	416.01	21.72	5.50	3664.01	2187.29
31.250	1.00	408.70	411.80	401.10	5187.00	412.56	0.0	412.85	104.50	5.36	1495.00	507.41
31.250	1.00	408.70	411.80	401.10	7315.00	414.08	0.0	414.31	104.06	4.74	2143.54	717.07
31.250	1.00	408.70	411.80	401.10	7969.00	414.50	0.0	414.72	97.04	4.72	2347.33	808.95
31.250	1.00	408.70	411.80	401.10	10193.00	415.82	0.0	416.03	78.27	4.63	3031.29	1152.17
31.350	16.00	408.70	411.80	401.10	5187.00	412.85	0.0	413.05	113.27	4.48	1607.61	487.37
31.350	16.00	408.70	411.80	401.10	7315.00	414.27	0.0	414.47	93.53	4.56	2232.03	756.38
31.350	16.00	408.70	411.80	401.10	7969.00	414.67	0.0	414.87	88.25	4.55	2431.13	848.31
31.350	16.00	408.70	411.80	401.10	10193.00	415.96	0.0	416.15	73.09	4.51	3105.67	1192.28
31.300	1.00	408.70	411.80	401.10	5187.00	412.82	0.0	413.10	210.05	5.42	1493.32	357.89
31.300	1.00	408.70	411.80	401.10	7315.00	414.26	0.0	414.50	142.88	5.11	2189.60	611.96
31.300	1.00	408.70	411.80	401.10	7969.00	414.67	0.0	414.89	130.95	5.05	2395.85	696.38
31.300	1.00	408.70	411.80	401.10	10193.00	415.96	0.0	416.17	101.14	4.89	3096.22	1013.56
31.400	50.00	0.0	0.0	401.20	5187.00	413.17	0.0	413.35	18.01	4.27	2300.05	1222.33
31.400	50.00	0.0	0.0	401.20	7315.00	414.49	0.0	414.71	19.44	4.82	2945.68	1658.99
31.400	50.00	0.0	0.0	401.20	7969.00	414.87	0.0	415.10	19.62	4.95	3141.87	1799.09
31.400	50.00	0.0	0.0	401.20	10193.00	416.13	0.0	416.37	19.41	5.28	3826.60	2313.73
32.000	501.00	0.0	0.0	401.00	5209.00	414.08	0.0	414.41	25.66	6.30	1939.48	1028.35
32.000	501.00	0.0	0.0	401.00	7337.00	415.47	0.0	415.87	28.75	7.17	2432.40	1368.25
32.000	501.00	0.0	0.0	401.00	7989.00	415.86	0.0	416.27	29.47	7.41	2575.53	1471.55
32.000	501.00	0.0	0.0	401.00	10209.00	417.10	0.0	417.57	31.40	8.10	3044.05	1821.74

SECNO	XLCH	ELJRD	ELLC	ELMIN	Q	CWSEL	CRIMS	EG	10K*5	VCH	AREA	*OIK
33,000	375.00	0.0	0.0	401.40	5209.00	414.49	0.0	416.17	31.79	11.13	705.03	923.92
33,000	375.00	0.0	0.0	401.40	7337.00	415.72	0.0	418.30	43.65	13.93	814.95	1110.51
33,000	375.00	0.0	0.0	401.40	7989.00	416.04	0.0	418.92	47.31	14.74	844.14	1161.50
33,000	375.00	0.0	0.0	401.40	10209.00	416.98	0.0	420.94	60.03	17.37	931.65	1317.62
33,400	150.00	0.0	0.0	401.00	5209.00	416.61	0.0	416.72	1.92	3.25	3967.24	3759.77
33,400	150.00	0.0	0.0	401.00	7337.00	419.30	0.0	419.13	1.99	3.68	5275.02	5197.92
33,400	150.00	0.0	0.0	401.00	7989.00	419.69	0.0	419.83	2.00	3.79	5682.58	5655.92
33,400	150.00	0.0	0.0	401.00	10209.00	422.02	0.0	422.17	1.96	4.10	7110.52	7299.03
34,000	850.00	0.0	0.0	403.30	5233.00	416.90	0.0	417.00	7.58	3.43	3621.69	1900.21
34,000	850.00	0.0	0.0	403.30	7362.00	419.30	0.0	419.38	5.31	3.25	5308.81	3193.37
34,000	850.00	0.0	0.0	403.30	8013.00	420.00	0.0	420.07	4.87	3.22	5811.38	3629.23
34,000	850.00	0.0	0.0	403.30	10230.00	422.32	0.0	422.39	3.77	3.12	7521.24	5269.27
35,000	1620.00	0.0	0.0	407.00	4339.00	417.68	0.0	417.76	3.17	2.63	1991.07	2436.60
35,000	1620.00	0.0	0.0	407.00	6254.00	419.76	0.0	419.33	1.72	2.21	3086.39	4768.48
35,000	1620.00	0.0	0.0	407.00	6879.00	420.40	0.0	420.47	1.50	2.14	3436.62	5629.82
35,000	1620.00	0.0	0.0	407.00	8939.00	422.60	0.0	422.65	0.99	1.94	4674.11	9001.64
36,200	90.00	0.0	0.0	407.70	4339.00	417.68	0.0	417.88	12.49	4.56	1316.10	1227.69
36,200	90.00	0.0	0.0	407.70	6254.00	419.78	0.0	419.87	3.51	2.84	2684.25	3339.45
36,200	90.00	0.0	0.0	407.70	6879.00	420.42	0.0	420.50	2.60	2.60	3122.99	4190.90
36,200	90.00	0.0	0.0	407.70	8939.00	422.61	0.0	422.68	1.32	2.07	4699.57	7784.92
36,250	1.00	414.90	415.70	407.70	4339.00	417.65	0.0	417.92	28.46	3.90	1041.54	813.29
36,250	1.00	414.90	415.70	407.70	6254.00	419.76	0.0	419.88	5.85	1.67	2339.70	2586.10
36,250	1.00	414.90	415.70	407.70	6879.00	420.41	0.0	420.51	4.21	1.50	2769.35	3353.69
36,250	1.00	414.90	415.70	407.70	8939.00	422.61	0.0	422.68	1.80	1.15	4345.43	6667.86
36,350	18.00	414.90	415.70	407.70	4339.00	417.72	0.0	417.97	25.95	3.72	1077.09	851.63
36,350	18.00	414.90	415.70	407.70	6254.00	419.77	0.0	419.89	5.85	1.67	2340.10	2586.78
36,350	18.00	414.90	415.70	407.70	6879.00	420.41	0.0	420.52	4.21	1.50	2769.35	3353.69
36,350	18.00	414.90	415.70	407.70	8939.00	422.61	0.0	422.69	1.80	1.15	4342.15	6660.23
36,300	1.00	0.0	0.0	407.70	4339.00	417.82	0.0	418.00	10.82	4.30	1356.12	1319.32
36,300	1.00	0.0	0.0	407.70	6254.00	419.81	0.0	419.90	3.43	2.82	2705.34	3378.69
36,300	1.00	0.0	0.0	407.70	6879.00	420.45	0.0	420.53	2.65	2.58	3139.50	4224.31
36,300	1.00	0.0	0.0	407.70	8939.00	422.63	0.0	422.69	1.32	2.07	4699.66	7785.15
36,400	50.00	0.0	0.0	407.80	4339.00	417.87	0.0	418.05	11.28	4.37	1370.38	1292.15
36,400	50.00	0.0	0.0	407.80	6254.00	419.83	0.0	419.92	3.63	2.88	2653.29	3282.06
36,400	50.00	0.0	0.0	407.80	6879.00	420.46	0.0	420.54	2.80	2.64	3082.44	4109.23
36,400	50.00	0.0	0.0	407.80	8939.00	422.64	0.0	422.70	1.37	2.10	4638.14	7631.61
37,000	1100.00	0.0	0.0	410.50	4345.00	420.03	0.0	420.22	46.43	5.17	2101.78	637.66
37,000	1100.00	0.0	0.0	410.50	6258.00	420.66	0.0	420.94	63.53	6.36	2441.04	785.15
37,000	1100.00	0.0	0.0	410.50	6882.00	421.09	0.0	421.35	59.77	6.35	2666.12	890.18
37,000	1100.00	0.0	0.0	410.50	8939.00	422.91	0.0	423.12	40.34	5.87	3643.93	1407.48
38,000	780.00	0.0	0.0	410.20	4349.00	423.89	0.0	424.48	65.55	7.29	1660.57	537.16
38,000	780.00	0.0	0.0	410.20	6261.00	425.53	0.0	426.29	74.57	8.52	2243.03	725.05
38,000	780.00	0.0	0.0	410.20	6884.00	425.89	0.0	426.72	80.13	9.00	2384.02	769.03
38,000	780.00	0.0	0.0	410.20	8937.00	426.75	0.0	427.87	102.74	10.63	2763.30	881.72

SECNO XLCH ELJRD ELLC ELMIN Q CWSEL CRIMS EG 10K*5 VCH AREA *OIK

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIMS	EG	10KMS	VCH	AREA	.01K
39.200	190.00	0.0	0.0	412.90	4349.00	425.34	0.0	426.52	145.08	8.09	501.64	361.07
39.200	190.00	0.0	0.0	412.90	6261.00	427.04	0.0	429.74	166.64	10.47	602.55	485.01
39.200	190.00	0.0	0.0	412.90	8937.00	428.77	0.0	429.36	176.15	11.05	628.45	518.69
39.200	190.00	0.0	0.0	412.90	8937.00	428.77	425.67	431.01	200.35	12.13	952.95	631.39
39.300	20.00	427.80	424.40	412.90	4349.00	427.02	0.0	427.84	60.91	7.29	601.38	407.50
39.300	20.00	427.80	424.40	412.90	6261.00	428.87	0.0	429.93	95.23	8.39	988.84	641.59
39.300	20.00	427.80	424.40	412.90	8937.00	429.32	0.0	430.43	97.49	8.60	2897.45	697.21
39.300	20.00	427.80	424.40	412.90	8937.00	430.62	0.0	431.82	102.98	9.21	1818.21	880.67
39.400	160.00	0.0	0.0	413.30	4349.00	428.20	0.0	428.61	23.33	4.92	1365.18	900.31
39.400	160.00	0.0	0.0	413.30	6261.00	430.37	0.0	430.65	26.76	5.84	2549.22	1210.20
39.400	160.00	0.0	0.0	413.30	8937.00	430.85	0.0	431.62	28.53	6.16	2897.45	1268.91
39.400	160.00	0.0	0.0	413.30	8937.00	432.18	0.0	432.87	34.54	7.16	3924.30	1520.72
39.450	120.00	0.0	0.0	413.70	4349.00	428.67	0.0	428.83	11.53	3.47	3367.40	1260.70
39.450	120.00	0.0	0.0	413.70	6261.00	430.90	0.0	431.08	11.99	3.93	5073.70	1808.13
39.450	120.00	0.0	0.0	413.70	8937.00	431.43	0.0	431.62	12.52	4.13	5508.75	1945.46
39.450	120.00	0.0	0.0	413.70	8937.00	432.92	0.0	433.17	14.35	4.70	6799.81	2359.14
40.000	1060.00	0.0	0.0	415.70	4237.00	429.10	0.0	429.11	1.19	1.33	4932.15	3878.22
40.000	1060.00	0.0	0.0	415.70	6127.00	431.32	0.0	431.83	0.99	1.37	6749.43	6145.84
40.000	1060.00	0.0	0.0	415.70	8790.00	433.86	0.0	431.88	0.99	1.40	7194.59	6769.63
40.000	1060.00	0.0	0.0	415.70	8790.00	433.41	0.0	433.44	1.02	1.52	8471.63	8697.85
41.200	190.00	0.0	0.0	417.10	4237.00	429.12	0.0	429.18	4.62	2.62	3556.88	1971.07
41.200	190.00	0.0	0.0	417.10	6127.00	431.34	0.0	431.39	3.04	2.39	5762.26	3514.52
41.200	190.00	0.0	0.0	417.10	8790.00	431.88	0.0	431.93	2.90	2.40	6332.10	3964.45
41.200	190.00	0.0	0.0	417.10	8790.00	433.44	0.0	433.49	2.62	2.44	8047.17	5431.17
41.300	20.00	424.50	426.40	417.10	4237.00	429.16	0.0	429.22	4.51	2.60	3593.16	1994.33
41.300	20.00	424.50	426.40	417.10	6127.00	431.40	0.0	431.44	2.96	2.37	5821.69	3517.96
41.300	20.00	424.50	426.40	417.10	8790.00	431.94	0.0	431.99	2.82	2.37	6337.92	4060.39
41.300	20.00	424.50	426.40	417.10	8790.00	433.51	0.0	433.56	2.54	2.41	8136.55	5511.57
42.000	600.00	0.0	0.0	418.90	4196.00	429.48	0.0	429.55	6.59	3.06	2550.10	1634.15
42.000	600.00	0.0	0.0	418.90	6077.00	431.59	0.0	431.63	3.44	2.53	4405.52	3277.96
42.000	600.00	0.0	0.0	418.90	8735.00	432.13	0.0	432.17	3.10	2.48	4889.07	3801.41
42.000	600.00	0.0	0.0	418.90	8735.00	433.68	0.0	433.72	2.51	2.42	6309.35	5516.84
43.200	90.00	0.0	0.0	419.60	4196.00	429.42	0.0	429.48	31.75	6.60	1371.37	744.71
43.200	90.00	0.0	0.0	419.60	6077.00	431.62	0.0	431.73	0.67	3.99	3263.55	2063.56
43.200	90.00	0.0	0.0	419.60	8735.00	432.16	0.0	432.25	7.17	3.75	5129.53	2501.66
43.200	90.00	0.0	0.0	419.60	8735.00	433.70	0.0	433.77	4.78	3.32	6129.53	3993.51
43.300	20.00	427.80	426.40	419.60	4196.00	429.42	0.0	429.48	31.72	6.60	1371.86	744.96
43.300	20.00	427.80	426.40	419.60	6077.00	431.66	0.0	431.77	8.41	3.94	3299.36	2095.16
43.300	20.00	427.80	426.40	419.60	8735.00	432.22	0.0	432.31	6.86	3.68	3796.20	2537.17
43.300	20.00	427.80	426.40	419.60	8735.00	433.81	0.0	433.88	4.52	3.25	5228.07	4110.08
44.000	1295.00	0.0	0.0	424.10	3926.00	432.48	0.0	432.58	14.37	2.83	1831.50	1035.61
44.000	1295.00	0.0	0.0	424.10	5738.00	433.12	0.0	433.26	16.86	3.25	2328.28	1397.39
44.000	1295.00	0.0	0.0	424.10	8334.00	433.45	0.0	433.58	15.41	3.20	2617.82	1616.06
44.000	1295.00	0.0	0.0	424.10	8334.00	434.61	0.0	434.72	10.50	2.89	3724.70	2571.77

LITTLE LONG CREEK

SUMMARY PRINTOUT TABLE 150

SECNO	0	CWSEL	DIFWSP	DIFWSX	DIFWYS	TOPWTD	XLCH
29.000	5181.00	410.43	0.0	0.0	0.43	324.05	0.0
29.000	7311.00	411.87	1.44	0.0	-0.13	332.16	0.0
29.000	7966.00	412.24	0.37	0.0	-0.76	334.25	0.0
29.000	10194.00	413.52	1.29	0.0	-1.48	341.49	0.0
30.000	5187.00	411.99	0.0	1.56	0.0	358.35	500.00
30.000	7315.00	413.43	1.44	1.57	0.0	371.65	500.00
30.000	7969.00	413.82	0.39	1.59	0.0	375.16	500.00
30.000	10193.00	415.10	1.27	1.57	0.0	386.88	500.00
31.200	5187.00	412.59	0.0	0.60	0.0	449.03	141.00
31.200	7315.00	414.05	1.46	0.61	0.0	458.44	141.00
31.200	7969.00	414.45	0.29	0.62	0.0	512.00	141.00
31.200	10193.00	415.74	1.29	0.64	0.0	554.70	141.00
31.250	5187.00	412.56	0.0	-0.03	0.0	379.53	1.00
31.250	7315.00	414.08	1.53	0.04	0.0	499.69	1.00
31.250	7969.00	414.50	0.41	0.05	0.0	513.71	1.00
31.250	10193.00	415.82	1.32	0.09	0.0	556.86	1.00
31.350	5187.00	412.85	0.0	0.29	0.0	457.82	16.00
31.350	7315.00	414.27	1.42	0.18	0.0	505.83	16.00
31.350	7969.00	414.67	0.40	0.17	0.0	519.60	16.00
31.350	10193.00	415.96	1.29	0.13	0.0	560.27	16.00
31.300	5187.00	412.82	0.0	-0.02	0.0	457.03	1.00
31.300	7315.00	414.26	1.44	-0.00	0.0	505.94	1.00
31.300	7969.00	414.67	0.40	-0.00	0.0	519.74	1.00
31.300	10193.00	415.96	1.29	0.00	0.0	560.46	1.00
31.400	5187.00	413.17	0.0	0.34	0.0	465.27	50.00
31.400	7315.00	414.49	1.32	0.23	0.0	510.05	50.00
31.400	7969.00	414.87	0.38	0.20	0.0	523.19	50.00
31.400	10193.00	416.13	1.26	0.17	0.0	562.09	50.00
32.000	5209.00	414.08	0.0	0.91	0.0	344.54	501.00
32.000	7337.00	415.47	1.39	0.98	0.0	362.56	501.00
32.000	7989.00	415.86	0.39	0.99	0.0	367.63	501.00
32.000	10209.00	417.10	1.24	0.98	0.0	383.75	501.00
33.000	5209.00	414.49	0.0	0.41	0.0	87.65	375.00
33.000	7337.00	415.72	1.23	0.25	0.0	90.93	375.00
33.000	7989.00	416.04	0.32	0.18	0.0	91.78	375.00
33.000	10209.00	416.98	0.95	-0.12	0.0	94.28	375.00
33.400	5209.00	416.61	0.0	2.12	0.0	522.22	150.00
33.400	7337.00	419.00	2.38	3.28	0.0	576.95	150.00
33.400	7989.00	419.69	0.70	3.66	0.0	592.98	150.00
33.400	10209.00	422.02	2.32	5.04	0.0	634.32	150.00
34.000	5233.00	416.90	0.0	0.29	0.0	650.49	850.00
34.000	7362.00	419.30	2.40	0.31	0.0	716.47	850.00
34.000	8013.00	420.00	0.70	0.31	0.0	724.03	850.00
34.000	10230.00	422.32	2.32	0.31	0.0	747.20	850.00

SECNO 0 CWSEL DIFWSP DIFWSX DIFWYS TOPWTD XLCH

SECNO Q CWSEL DIFWSP DIFWSX DIFKWS TOPMID XLCH

35.000	4339.00	417.68	0.0	0.78	0.0	511.88	1620.00
35.000	6254.00	419.76	2.08	0.46	0.0	540.02	1620.00
35.000	6879.00	420.40	0.64	0.40	0.0	548.72	1620.00
35.000	8939.00	422.60	2.20	0.28	0.0	578.39	1620.00
36.200	4339.00	417.68	0.0	0.00	0.0	625.77	90.00
36.200	6254.00	419.78	2.10	0.01	0.0	676.01	90.00
36.200	6879.00	420.42	0.64	0.01	0.0	691.35	90.00
36.200	8939.00	422.61	2.20	0.01	0.0	745.40	90.00
36.250	4339.00	417.65	0.0	-0.03	0.0	589.43	1.00
36.250	6254.00	419.76	2.11	-0.01	0.0	675.68	1.00
36.250	6879.00	420.41	0.65	-0.01	0.0	691.08	1.00
36.250	8939.00	422.61	2.20	-0.01	0.0	745.27	1.00
36.350	4339.00	417.72	0.0	0.07	0.0	590.06	18.00
36.350	6254.00	419.77	2.05	0.01	0.0	675.69	18.00
36.350	6879.00	420.41	0.64	0.01	0.0	691.08	18.00
36.350	8939.00	422.61	2.20	0.00	0.0	745.16	18.00
36.300	4339.00	417.82	0.0	0.10	0.0	590.97	1.00
36.300	6254.00	419.81	2.00	0.04	0.0	676.76	1.00
36.300	6879.00	420.45	0.63	0.03	0.0	691.93	1.00
36.300	8939.00	422.63	2.18	0.02	0.0	745.40	1.00
36.400	4339.00	417.87	0.0	0.05	0.0	627.84	50.00
36.400	6254.00	419.83	1.96	0.02	0.0	674.92	50.00
36.400	6879.00	420.46	0.63	0.01	0.0	689.95	50.00
36.400	8939.00	422.64	2.17	0.01	0.0	743.36	50.00
37.000	4345.00	420.03	0.0	2.16	0.0	527.86	1100.00
37.000	6258.00	420.66	0.63	0.83	0.0	531.24	1100.00
37.000	6882.00	421.09	0.43	0.63	0.0	533.51	1100.00
37.000	8939.00	422.91	1.82	0.28	0.0	543.12	1100.00
38.000	4349.00	423.89	0.0	3.86	0.0	330.08	780.00
38.000	6261.00	425.53	1.64	4.87	0.0	388.58	780.00
38.000	6884.00	425.89	0.35	4.79	0.0	411.59	780.00
38.000	8937.00	426.75	0.86	3.84	0.0	471.30	780.00
39.200	4349.00	425.34	0.0	1.45	0.0	58.54	190.00
39.200	6261.00	427.04	1.70	1.51	0.0	60.18	190.00
39.200	6884.00	427.47	0.43	1.59	0.0	60.59	190.00
39.200	8937.00	428.77	1.30	2.02	0.0	405.84	190.00
39.300	4349.00	427.02	0.0	1.67	0.0	60.16	20.00
39.300	6261.00	428.87	1.85	1.82	0.0	407.58	20.00
39.300	6884.00	429.32	0.45	1.85	0.0	418.77	20.00
39.300	8937.00	430.62	1.30	1.85	0.0	566.74	20.00
39.400	4349.00	428.26	0.0	1.24	0.0	325.03	160.00
39.400	6261.00	430.37	2.11	1.50	0.0	713.43	160.00
39.400	6884.00	430.85	0.48	1.53	0.0	737.43	160.00
39.400	8937.00	432.18	1.33	1.56	0.0	804.05	160.00

39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60

SECNO	U	LNSEL	DIWSP	DIWSX	DIKWS	IUPWID	XLCH
39.450	4349.00	428.67	0.0	0.41	0.0	711.00	120.00
39.450	6261.00	430.90	2.23	0.53	0.0	814.19	120.00
39.450	6884.00	431.43	0.53	0.58	0.0	834.24	120.00
39.450	8937.00	432.92	1.50	0.75	0.0	891.11	120.00
40.000	4237.00	429.10	0.0	0.42	0.0	817.53	1060.00
40.000	6127.00	431.32	2.22	0.42	0.0	819.98	1060.00
40.000	6748.00	431.86	0.54	0.43	0.0	820.52	1060.00
40.000	8790.00	433.41	1.55	0.49	0.0	822.06	1060.00
41.200	4237.00	429.12	0.0	0.03	0.0	916.98	190.00
41.200	6127.00	431.34	2.21	0.02	0.0	1044.28	190.00
41.200	6748.00	431.88	0.54	0.02	0.0	1056.57	190.00
41.200	8790.00	433.44	1.56	0.02	0.0	1145.64	190.00
41.300	4237.00	429.16	0.0	0.04	0.0	920.43	20.00
41.300	6127.00	431.40	2.23	0.06	0.0	1045.57	20.00
41.300	6748.00	431.94	0.55	0.06	0.0	1057.98	20.00
41.300	8790.00	433.51	1.57	0.08	0.0	1149.61	20.00
42.000	4196.00	429.48	0.0	0.32	0.0	840.98	600.00
42.000	6077.00	431.59	2.11	0.20	0.0	898.77	600.00
42.000	6698.00	432.13	0.54	0.19	0.0	901.01	600.00
42.000	8735.00	433.68	1.55	0.16	0.0	933.28	600.00
43.200	4196.00	429.42	0.0	0.06	0.0	767.79	90.00
43.200	6077.00	431.62	2.20	0.03	0.0	889.20	90.00
43.200	6698.00	432.16	0.54	0.03	0.0	892.82	90.00
43.200	8735.00	433.70	1.55	0.02	0.0	909.30	90.00
43.300	4196.00	429.42	0.0	0.00	0.0	767.87	20.00
43.300	6077.00	431.66	2.24	0.04	0.0	889.47	20.00
43.300	6698.00	432.22	0.56	0.07	0.0	893.25	20.00
43.300	8735.00	433.81	1.59	0.11	0.0	909.42	20.00
44.000	3926.00	432.48	0.0	3.06	0.0	695.88	1295.00
44.000	5738.00	433.12	0.65	1.46	0.0	844.11	1295.00
44.000	6348.00	433.45	0.33	1.23	0.0	903.90	1295.00
44.000	8334.00	434.61	1.16	0.80	0.0	973.38	1295.00

SUMMARY OF ERRORS

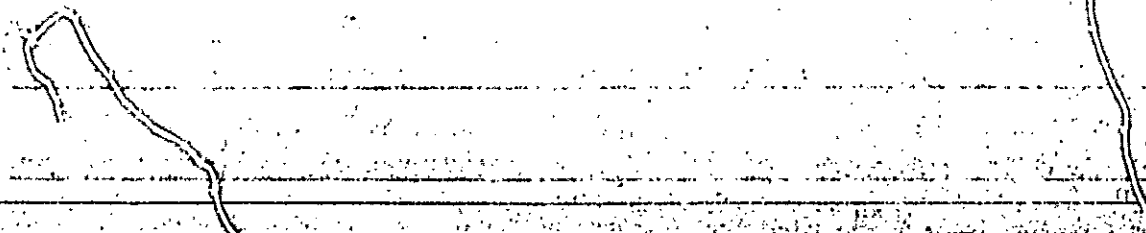
FLOOD INSURANCE ZONE DATA FOR LITTLE LONG CREEK

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
		10_	2_	0.2_
29.000	0.	-1.81	-0.37	1.29
30.000	500.	-1.83	-0.39	1.27
31.200	641.	-1.86	-0.40	1.29
31.250	642.	-1.94	-0.41	1.32
31.350	658.	-1.82	-0.40	1.29
31.300	659.	-1.84	-0.40	1.29
31.400	709.	-1.70	-0.38	1.26
32.000	1210.	-1.78	-0.39	1.24
33.000	1585.	-1.55	-0.32	0.95
33.400	1735.	-3.08	-0.70	2.32
34.000	2585.	-3.10	-0.70	2.32
35.000	4205.	-2.73	-0.64	2.20
36.200	4295.	-2.74	-0.64	2.20
36.250	4296.	-2.76	-0.65	2.20
36.350	4314.	-2.70	-0.64	2.20
36.300	4315.	-2.63	-0.63	2.18
36.400	4365.	-2.59	-0.63	2.17
37.000	5465.	-1.06	-0.43	1.82
38.000	6245.	-1.99	-0.35	0.86
39.200	6435.	-2.13	-0.43	1.30
39.300	6455.	-2.30	-0.45	1.30
39.400	6615.	-2.59	-0.48	1.33
39.450	6735.	-2.75	-0.53	1.50
40.000	7795.	-2.76	-0.54	1.55
41.200	7985.	-2.76	-0.54	1.56
41.300	8005.	-2.78	-0.55	1.57
42.000	8605.	-2.65	-0.54	1.55
43.200	8595.	-2.73	-0.54	1.55
43.300	8715.	-2.80	-0.56	1.59
44.000	10010.	-0.97	-0.33	1.16

WEIGHTED AVG FOR REACH -2.31 -0.52 1.68

FHF FOR THE REACH = 025 WITH 100.0_ OF THE REACH WITHIN 1.0 FEET
 ZONE FOR THE REACH = A 5



THIS RUN EXECUTED H-4755

HEC2 RELEASE DATED NOV 76 UPDATED AUG 1977
ERROR CORR - 01.02
MODIFICATION - 50,51,52,53

LITTLE LONG CREEK
UPPER SECTION
NAT'L. PROFILES

T1 STANLY CC. - ALBEMARLE
T2 10 YR.
T3 LITTLE LONG CR

J1 I CHECK INQ NINV IOIR STRT METRIC HVINS O WSEL FO
0.0 2.0 0.0 0.0 0.0 0.0 1.0 107 438.300 250.0

J2 NPROF I PLOT PRFVS XSECV XSECH FN ALLDC IBW CHNIM I TRACE
17.000 0.0 -1.000 0.0 0.0 1.200 0.0 0.0 0.0 0.0 0.0

J3 VARIABLE CODES FOR SUMMARY PRINTOUT
150.000 201.000 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

QT 9.000 3903.000 5709.000 6319.000 8301.000 6319.000 6319.000 6319.000 6319.000 6319.000
NC 0.095 0.095 0.030 0.0 0.0 0.0 0.0 0.0 0.0 0.0

X1 48.010 13.000 160.000 211.000 0.0 0.0 0.0 0.0 0.0 0.0
GR 442.000 0.0 440.000 15.000 437.000 25.000 437.000 110.000 437.000 150.000
GR 432.000 160.000 430.000 170.000 427.200 179.000 426.700 182.000 426.800 202.000
GR 432.000 211.000 437.000 220.000 442.000 250.000 0.0 0.0 0.0 0.0
ET 0.0 0.0 0.0 0.0 0.0 0.0 0.0 9.110 120.000 735.000

X1 48.200 14.000 142.000 227.000 60.000 20.000 57.000 0.0 0.0 0.0
GR 447.000 0.0 442.000 0.0 442.000 70.000 440.000 85.000 437.000 95.000
GR 437.000 140.000 430.100 142.000 429.200 144.000 427.200 159.000 426.000 166.500
GR 426.800 207.500 432.200 227.000 440.800 246.000 442.700 258.000 0.0 0.0
ET 0.0 0.0 0.0 0.0 0.0 0.0 0.0 9.110 120.000 735.000

X1 48.250 21.000 142.000 227.000 1.000 1.000 1.000 0.0 0.0 0.0
GR 447.000 0.0 442.000 0.0 442.000 70.000 440.000 85.000 437.000 95.000
GR 437.000 140.000 430.100 142.000 429.700 144.000 432.300 144.100 430.900 153.000
GR 432.200 153.500 432.200 159.000 432.200 166.000 430.700 166.500 430.700 186.100
GR 430.700 207.000 432.200 207.500 432.300 216.000 432.900 227.000 440.800 246.000
GR 442.700 258.000 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 0.0 0.0 9.110 120.000 735.000

X1 48.300 14.000 142.000 227.000 1.000 1.000 1.000 0.0 0.0 0.0
GR 447.000 0.0 442.000 0.0 442.000 70.000 440.000 85.000 437.000 95.000
GR 437.000 140.000 430.100 142.000 429.700 144.000 431.300 159.000 429.900 166.500
GR 429.100 207.500 432.200 227.000 440.800 246.000 442.700 258.000 0.0 0.0
ET 0.0 0.0 0.0 0.0 0.0 0.0 0.0 9.110 200.000 728.000

X1 49.200 20.000 615.000 728.300 40.000 100.000 69.000 0.0 0.0 0.0
X3 10.000 0.0 0.0 0.0 0.0 0.0 0.0 442.000 443.600 0.0
GR 452.000 0.0 447.000 30.000 447.000 60.000 447.000 150.000 447.000 560.000
GR 438.000 560.000 437.000 600.000 437.000 615.000 432.900 622.000 431.800 628.000
GR 429.700 664.500 430.000 687.500 432.300 693.500 432.400 712.000 440.000 728.300

X1	53.000	15.000	56.000	86.000	520.000	870.000	770.000	0.0	0.0	0.0
GR	458.300	0.0	455.200	10.000	439.000	35.000	438.000	56.000	431.800	59.000
GR	470.200	66.000	431.000	76.000	436.900	86.000	436.100	100.000	437.800	104.000
GR	435.600	109.000	435.800	189.000	435.800	200.500	452.600	217.000	454.100	254.000
NC	0.120	0.120	0.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	9.000	2694.000	4037.000	4530.000	6043.000	4530.000	4530.000	4530.000	4530.000	4530.000
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.100	45.000	166.000

X1	54.000	15.000	91.000	110.000	120.000	340.000	310.000	0.0	0.0	0.0
GR	461.100	0.0	461.000	5.000	488.400	11.000	456.900	30.000	441.200	160.000
GR	440.300	70.000	438.000	87.000	437.000	91.000	434.800	94.000	434.100	102.000
GR	435.000	109.000	436.400	110.000	438.100	128.000	438.400	150.000	465.500	196.000
NC	0.145	0.130	0.065	0.010	0.010	0.0	0.0	0.0	0.0	0.0
QT	9.000	2108.000	3275.000	3730.000	5111.000	3730.000	3730.000	3730.000	3730.000	3730.000
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.100	170.000	520.000

X1	55.000	16.000	246.000	270.000	700.000	820.000	660.000	0.0	0.0	0.0
GR	459.400	0.0	455.400	9.000	454.400	78.000	453.700	100.000	450.800	154.000
GR	441.400	200.000	441.200	246.000	437.200	253.000	436.000	259.000	435.200	268.000
GR	440.300	270.000	440.900	300.000	440.500	400.000	440.400	500.000	440.900	517.000
GR	466.100	556.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.0	0.0	0.0	0.300	0.500	0.0	0.0	0.0	0.0	0.0
NH	5.000	10.000	850.000	0.145	950.000	0.065	981.000	0.130	1316.000	10.000
NH	1514.000	0.0	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	0.0	0.0	9.100	850.000	1300.000

X1	56.200	39.000	950.000	981.000	90.000	200.000	150.000	0.0	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	446.000	445.900	0.0
GR	465.400	0.0	461.700	85.000	458.300	170.000	455.900	236.000	455.500	255.000
GR	453.600	340.000	451.900	425.000	450.000	510.000	448.100	595.000	448.000	600.000
GR	447.500	640.000	447.000	680.000	447.100	765.000	447.000	850.000	446.900	941.000
GR	445.000	950.000	438.600	950.400	438.700	957.000	437.500	960.000	437.000	968.000
GR	437.600	971.000	439.900	974.000	441.000	980.800	445.000	981.000	447.300	1020.000
GR	446.800	1105.000	447.100	1190.000	447.900	1275.000	448.000	1316.000	448.200	1356.000
GR	448.200	1358.000	448.200	1360.000	449.800	1404.000	449.800	1418.000	448.600	1432.000
GR	446.500	1435.000	449.100	1439.000	455.900	1470.000	460.900	1514.000	449.000	1432.000
SB	1.250	1.560	2.900	0.0	36.000	2.000	200.000	0.0	437.200	437.100
NH	5.000	10.000	850.000	0.145	950.000	0.065	981.000	0.130	1316.000	10.000
NH	1514.000	0.0	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	0.0	0.0	9.110	850.000	1300.000

X1	56.300	0.0	0.0	0.0	40.000	40.000	40.000	0.0	0.200	0.0
X2	0.0	0.0	1.000	445.000	446.800	0.0	0.0	0.0	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	447.000	446.800	0.0
BT	20.000	425.000	460.000	0.0	510.000	460.000	0.0	595.000	460.000	0.0
BT	680.000	460.000	0.0	765.000	460.000	0.0	850.000	450.000	0.0	941.000
BT	447.200	0.0	974.000	447.200	0.0	1020.000	447.300	0.0	1105.000	446.800
BT	0.0	1190.000	447.100	0.0	1275.000	447.900	0.0	1360.000	448.200	0.0
BT	1404.000	449.800	0.0	1418.000	449.800	0.0	1432.000	448.600	0.0	1435.000
BT	446.500	0.0	1439.000	449.100	0.0	1470.000	455.900	0.0	1514.000	460.900
BT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NH	5.000	10.000	850.000	0.145	950.000	0.065	981.000	0.130	1360.000	10.000
NH	1514.000	0.0	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	0.0	0.0	9.110	850.000	1300.000

X1	56.400	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.200	0.0
NC	0.120	0.120	0.060	0.010	0.010	0.0	0.0	0.0	0.0	0.0
QT	9.000	2102.000	3266.000	3720.000	5098.000	3720.000	3720.000	3720.000	3720.000	3720.000
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.100	325.000	525.000

X1	561.000	23.000	488.000	517.000	910.000	900.000	920.000	0.0	0.0	0.0
GR	476.300	0.0	474.700	12.000	470.900	20.000	466.500	100.000	459.700	200.000

X1	561.000	23.000	488.000	517.000	910.000	900.000	920.000	0.0	0.0	0.0
GR	476.300	0.0	474.700	12.000	470.900	20.000	466.500	100.000	459.700	200.000
GR	460.900	226.000	458.500	230.000	458.400	240.000	488.400	250.000	445.600	350.000
GR	444.400	400.000	444.600	488.000	440.400	496.000	439.600	503.000	440.200	513.000
GR	444.000	517.000	454.000	546.000	454.800	600.000	458.500	700.000	460.400	727.000
GR	460.400	754.000	459.700	761.000	464.300	798.000	0.0	0.0	0.0	0.0
QT	9.000	2100.000	3263.000	3717.000	5094.000	3717.000	3717.000	3717.000	3717.000	3717.000
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.100	233.000	383.000

X1	1.010	23.000	356.000	377.000	355.000	250.000	330.000	0.0	2.340	0.0
GR	476.300	0.0	474.700	9.000	470.900	15.000	466.500	73.000	459.700	146.000
GR	460.900	165.000	458.500	168.000	458.400	175.000	458.400	183.000	445.600	288.000
GR	444.400	292.000	444.600	356.000	440.400	362.000	439.600	367.000	440.200	374.000
GR	444.000	377.000	454.000	399.000	454.800	438.000	458.500	511.000	460.400	531.000
GR	460.400	550.000	459.700	556.000	464.300	583.000	0.0	0.0	0.0	0.0
NC	0.120	0.120	0.060	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	9.000	2099.000	3260.000	3714.000	5089.000	3714.000	3714.000	3714.000	3714.000	3714.000
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.100	53.000	148.000

X1	562.000	12.000	85.000	125.000	355.000	250.000	330.000	0.0	0.0	0.0
GR	465.000	0.0	461.500	7.000	462.700	35.000	456.600	48.000	453.000	62.000
GR	446.800	78.000	445.900	85.000	444.900	89.000	444.300	97.000	444.600	106.000
GR	452.800	125.000	453.300	148.000	450.000	0.0	0.0	0.0	0.0	0.0
NC	0.120	0.120	0.060	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	9.000	2093.000	3252.000	3705.000	5076.000	3705.000	3705.000	3705.000	3705.000	3705.000
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.100	180.000	430.000

X1	57.000	31.000	276.000	310.000	1050.000	1140.000	1075.000	0.0	0.0	0.0
GR	469.900	0.0	464.400	103.000	451.700	130.000	449.300	137.000	448.900	144.000
GR	449.300	152.000	450.700	157.000	450.400	170.000	454.200	180.000	453.200	200.000
GR	453.700	218.000	451.500	228.000	453.900	234.000	452.600	264.000	450.800	268.000
GR	451.000	276.000	449.200	283.000	449.000	294.000	449.300	301.000	453.500	310.000
GR	453.300	400.000	455.100	500.000	456.200	532.000	467.000	600.000	467.500	700.000
GR	467.400	726.000	466.800	751.000	468.300	800.000	468.800	900.000	468.800	916.000
GR	472.300	922.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.120	0.120	0.060	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	9.000	2001.000	3130.000	3576.000	4927.000	3576.000	3576.000	3576.000	3576.000	3576.000
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.100	212.000	362.000

X1	571.000	16.000	286.000	312.000	150.000	300.000	205.000	0.0	0.0	0.0
GR	473.400	0.0	458.300	100.000	456.900	200.000	455.200	236.000	454.800	239.000
GR	455.400	244.000	455.500	286.000	452.300	292.000	451.600	303.000	452.000	312.000
GR	455.000	316.000	456.500	400.000	456.600	415.000	460.300	450.000	470.000	500.000
GR	478.700	560.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.100	0.140	0.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	9.000	1630.000	2643.000	3062.000	4332.000	3062.000	3062.000	3062.000	3062.000	3062.000
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.100	128.000	278.000

X1	58.000	12.000	228.000	256.000	950.000	800.000	930.000	0.0	0.0	0.0
GR	484.400	0.0	465.600	100.000	461.700	131.000	460.400	200.000	459.600	228.000
GR	455.800	232.000	455.000	242.000	457.400	250.000	460.200	256.000	462.200	286.000
GR	478.500	386.000	482.200	404.000	480.000	0.0	0.0	0.0	0.0	0.0
NC	0.100	0.145	0.084	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	9.000	1505.000	2471.000	2877.000	4109.000	2877.000	2877.000	2877.000	2877.000	2877.000
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.100	125.000	280.000

X1	59.000	13.000	146.000	177.000	2230.000	2230.000	2350.000	0.0	0.0	0.0
GR	489.900	0.0	475.000	100.000	472.000	124.000	470.900	146.000	467.800	155.000
GR	467.000	164.000	467.400	173.000	470.500	177.000	471.100	200.000	471.500	259.000
GR	473.300	300.000	479.200	400.000	489.400	500.000	0.0	0.0	0.0	0.0
NC	0.100	0.145	0.084	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	60.000	15.000	208.000	234.000	740.000	640.000	735.000	0.0	0.0	0.0
GR	493.200	0.0	489.300	13.000	487.400	64.000	480.900	90.000	480.900	185.000
GR	474.400	208.000	470.700	215.000	470.300	221.000	470.700	229.000	474.200	234.000
GR	476.200	300.000	479.800	400.000	483.200	500.000	489.800	600.000	493.200	621.000
NC	0.0	0.0	0.0	0.300	0.500	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.100	315.000	405.000

X1	61.200	18.000	325.000	364.000	100.000	95.000	90.000	0.0	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	477.900	477.900	0.0
GR	493.200	0.0	488.500	100.000	483.500	200.000	478.500	300.000	476.500	325.000
GR	473.200	325.100	473.200	329.000	472.000	331.000	471.700	342.000	472.400	355.000
GR	473.300	359.000	473.500	363.900	476.300	364.000	477.500	400.000	482.000	500.000
GR	486.300	600.000	491.800	700.000	493.200	728.000	486.300	600.000	482.000	500.000
SB	1.250	1.560	2.900	0.0	26.600	0.0	157.500	1.290	471.700	471.700
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.110	315.000	405.000

X1	61.300	0.0	0.0	0.0	20.000	20.000	20.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	476.500	479.100	0.0	0.0	0.0	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	479.100	479.100	0.0
BT	0.000	200.000	483.500	483.500	300.000	480.000	478.500	329.000	479.100	478.500
BT	325.100	479.400	476.500	363.900	479.100	476.300	364.000	479.100	476.300	400.000
BT	479.300	477.500	500.000	482.000	482.000	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.100	310.000	410.000

X1	61.400	0.0	0.0	0.0	100.000	100.000	100.000	0.0	0.400	0.0
NC	0.140	0.120	0.080	0.010	0.010	0.0	0.0	0.0	0.0	0.0
QT	9.000	1519.000	2484.000	2690.000	4115.000	2890.000	2890.000	2890.000	2890.000	2890.000
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.100	322.000	467.000

X1	62.000	16.000	377.000	401.000	610.000	430.000	555.000	0.0	0.0	0.0
GR	501.000	0.0	492.500	100.000	487.500	200.000	482.200	260.000	480.400	300.000
GR	478.300	377.000	474.800	381.000	474.400	388.000	474.400	396.000	478.800	401.000
GR	480.700	500.000	482.800	526.000	490.900	580.000	492.700	600.000	500.000	700.000
GR	504.700	765.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NH	5.000	10.000	185.000	0.120	212.000	0.075	234.000	0.125	364.000	10.000
NH	459.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	9.000	1524.000	2488.000	2891.000	4109.000	2891.000	2891.000	2891.000	2891.000	2891.000
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.100	310.000	410.000

X1	63.000	17.000	212.000	234.000	1265.000	1590.000	1435.000	0.0	0.0	0.0
GR	495.100	100.000	485.300	153.000	485.200	185.000	485.200	200.000	485.900	212.000
GR	481.700	215.000	481.000	224.000	481.500	232.000	485.700	234.000	485.200	260.000
GR	485.200	270.000	483.200	274.000	485.600	278.000	485.500	300.000	487.400	364.000
GR	492.100	400.000	507.200	459.000	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.0	0.0	0.013	0.300	0.500	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.100	792.000	813.000

X1	64.200	12.000	792.000	813.000	120.000	80.000	110.000	0.0	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	493.100	493.100	0.0
GR	505.000	510.000	500.000	560.000	495.800	600.000	495.800	700.000	491.000	792.000
GR	491.900	792.100	481.700	812.900	490.800	813.000	493.300	900.000	496.300	964.000
GR	507.000	1000.000	508.000	1002.000	0.0	0.0	0.0	0.0	0.0	0.0
SB	1.250	1.560	3.000	0.0	20.800	0.0	222.900	0.0	481.700	481.700
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.110	792.000	813.000

X1	64.300	0.0	0.0	0.0	20.000	20.000	20.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	492.400	493.300	0.0	0.0	0.0	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	495.000	493.300	0.0
BT	9.000	560.000	500.000	500.000	600.000	495.800	495.800	700.000	495.800	495.800
BT	792.000	495.000	492.400	813.000	495.000	492.400	900.000	493.300	493.300	964.000
BT	496.300	496.300	1000.000	507.000	507.000	1002.000	507.000	500.000	507.000	507.000

X2	0.0	0.0	1.000	492.400	493.300	0.0	0.0	0.0	0.0	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	495.000	493.300	0.0
BT	9.000	560.000	500.000	500.000	600.000	495.800	495.800	700.000	495.800	495.800	0.0
BT	792.000	495.000	492.400	813.000	495.000	492.400	900.000	493.300	493.300	968.000	0.0
BT	496.300	496.300	1000.000	507.000	507.000	1002.000	508.000	508.000	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.100	785.000	830.000	0.0

X1	64.400	0.0	0.0	0.0	100.000	100.000	100.000	0.0	0.0	0.0	0.0
NC	0.110	0.110	0.068	0.010	0.010	0.0	0.0	0.0	0.0	0.0	0.0
QT	9.000	1127.000	1000.000	2223.000	2214.000	2223.000	2223.000	2223.000	2223.000	2223.000	2223.000
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.100	125.000	250.000	0.0

X1	65.000	11.000	168.000	166.000	1874.000	1890.000	1890.000	0.0	0.0	0.0	0.0
GR	514.600	0.0	496.700	100.000	493.600	122.000	493.400	168.000	489.900	170.000	0.0
GR	489.400	177.000	489.600	183.000	493.600	186.000	493.400	200.000	494.800	270.000	0.0
GR	514.600	355.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.150	0.150	0.095	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	9.000	1123.000	1877.000	2209.000	3190.000	2209.000	2209.000	2209.000	2209.000	2209.000	2209.000
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.100	200.000	400.000	0.0

X1	66.000	13.000	293.000	310.000	1500.000	1500.000	1540.000	0.0	0.0	0.0	0.0
GR	520.400	0.0	508.200	100.000	503.400	200.000	500.900	293.000	499.200	296.000	0.0
GR	498.200	299.000	499.000	306.000	500.800	310.000	503.200	400.000	506.100	500.000	0.0
GR	508.300	541.000	515.100	600.000	520.000	531.000	0.0	0.0	0.0	0.0	0.0
NC	0.150	0.150	0.095	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	9.000	1085.000	1819.000	2145.000	3105.000	2145.000	2145.000	2145.000	2145.000	2145.000	2145.000
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.100	140.000	340.000	0.0

X1	67.000	13.000	140.000	162.000	1190.000	1125.000	1190.000	0.0	0.0	0.0	0.0
GR	529.000	0.0	511.500	100.000	508.200	124.000	508.800	140.000	505.400	142.000	0.0
GR	504.100	147.000	503.800	153.000	504.100	156.000	508.200	162.000	508.900	200.000	0.0
GR	509.100	300.000	510.800	400.000	529.000	486.000	0.0	0.0	0.0	0.0	0.0
NC	0.150	0.150	0.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	9.000	950.000	1631.000	1940.000	2857.000	1940.000	1940.000	1940.000	1940.000	1540.000	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.100	155.000	355.000	0.0

X1	68.000	11.000	302.000	317.000	1460.000	1400.000	1460.000	0.0	0.0	0.0	0.0
GR	533.100	0.0	527.800	55.000	516.000	110.000	514.100	200.000	513.000	302.000	0.0
GR	509.500	304.000	508.600	309.000	509.000	315.000	512.800	317.000	514.300	372.000	0.0
GR	533.100	472.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.0	0.0	0.070	0.600	0.800	0.0	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.100	205.000	405.000	0.0

X1	69.200	14.000	357.000	365.000	380.000	230.000	280.000	0.0	-0.400	0.0	0.0
GR	537.000	0.0	530.800	100.000	516.400	200.000	516.000	300.000	515.800	337.000	0.0
GR	512.200	359.000	511.700	361.000	512.200	363.000	515.800	365.000	516.000	400.000	0.0
GR	523.700	500.000	528.500	600.000	534.100	700.000	537.000	725.000	0.0	0.0	0.0
SB	1.250	1.560	3.000	0.0	6.300	0.0	50.300	0.0	511.700	511.300	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.110	205.000	405.000	0.0

X1	69.300	0.0	0.0	0.0	40.000	40.000	40.000	0.0	0.400	0.0	0.0
X2	0.0	0.0	1.000	519.700	521.700	0.0	0.0	0.0	0.0	0.0	0.0
X3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	521.700	521.700	0.0	0.0
BT	11.000	100.000	530.500	530.500	200.000	526.000	516.400	300.000	522.300	516.000	0.0
BT	357.000	521.700	515.800	359.000	521.700	519.200	361.000	521.700	519.700	363.000	0.0
BT	521.700	519.200	365.000	521.700	515.800	400.000	521.800	516.000	500.000	523.700	0.0
BT	523.700	600.000	528.500	528.500	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.0	0.0	0.100	0.010	0.010	0.0	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.100	200.000	415.000	0.0

X1	40.000	0.0	0.0	0.0	40.000	40.000	40.000	0.0	0.400	0.0	0.0
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UI 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

X1	70.000	12.000	248.000	261.000	700.000	1150.000	950.000	0.0	0.0	0.0
GR	540.900	0.0	533.600	100.000	521.400	200.000	519.500	248.000	519.000	249.000
GR	518.900	254.000	518.400	258.000	520.300	261.000	520.50	291.000	533.900	400.000
GR	539.700	500.000	543.400	545.000	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.0	0.0	0.070	0.600	0.800	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.100	240.000	350.000

X1	71.200	14.000	104.700	309.300	50.000	50.000	50.000	0.0	0.0	0.0
GR	543.400	0.0	538.600	75.000	527.500	200.000	523.000	250.000	521.900	283.000
GR	521.100	304.700	519.000	305.800	518.400	307.000	519.000	308.200	521.100	309.300
GR	521.500	350.000	530.700	400.000	538.100	500.000	543.400	564.000	0.0	0.0
SB	1.250	1.560	3.000	0.0	4.700	0.0	28.300	0.0	525.200	524.700
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.110	240.000	350.000

X1	71.300	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.0	0.0
X2	0.0	0.0	1.000	523.400	526.400	0.0	0.0	0.0	0.0	0.0
BT	12.000	75.000	538.600	538.600	200.000	527.500	527.500	250.000	526.000	523.000
BT	283.000	526.400	521.900	304.700	526.600	521.100	305.800	526.600	523.000	307.000
BT	526.600	523.400	308.200	526.200	523.000	309.300	526.200	521.100	350.000	528.500
BT	521.500	400.000	530.700	530.700	500.000	538.100	538.100	0.0	0.0	0.0
NC	0.120	0.120	0.090	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	0.0	0.0	9.100	240.000	350.000

X1	71.400	0.0	0.0	0.0	50.000	50.000	50.000	0.0	0.200	0.0
QT	9.000	789.000	1396.000	1681.000	2533.000	1681.000	1681.000	1681.000	1681.000	1681.000
NC	0.0	0.0	0.0	0.010	0.010	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.100	283.000	423.000

X1	72.000	14.000	382.000	401.000	1425.000	1228.000	1288.000	0.0	0.0	0.0
GR	546.600	0.0	542.400	100.000	535.800	200.000	530.000	246.000	527.900	285.000
GR	527.700	300.000	527.500	382.000	523.800	385.000	523.700	393.000	523.900	400.000
GR	527.300	401.000	532.000	530.000	539.600	600.000	545.500	647.000	0.0	0.0
NC	0.0	0.0	0.070	0.600	0.800	0.0	0.0	0.0	0.0	0.0
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.100	560.000	740.000

X1	73.200	17.000	695.000	701.000	55.000	55.000	55.000	0.0	0.500	0.0
GR	548.700	0.0	545.400	100.000	543.800	200.000	541.800	300.000	539.400	400.000
GR	535.400	500.000	530.000	550.000	528.700	600.000	528.200	695.000	526.000	696.000
GR	525.200	698.000	526.000	700.000	528.200	701.000	532.500	800.000	541.300	900.000
GR	548.100	1000.000	550.100	1015.000	0.0	0.0	0.0	0.0	0.0	0.0
SB	1.250	1.560	3.000	0.0	4.700	0.0	28.300	0.0	525.200	524.700
ET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.110	560.000	740.000

X1	73.300	0.0	0.0	0.0	40.000	40.000	40.000	0.0	0.500	0.0
X2	0.0	0.0	1.000	531.200	534.100	0.0	0.0	0.0	0.0	0.0
BT	12.000	300.000	541.800	541.800	400.000	539.400	539.400	500.000	535.400	535.400
BT	550.000	534.700	530.000	600.000	534.100	528.700	695.000	534.200	528.200	696.000
BT	534.200	530.500	698.000	534.200	531.200	700.000	534.300	530.500	701.000	534.300
BT	528.200	800.000	536.900	532.500	900.000	541.300	541.300	0.0	0.0	0.0
EJ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOP OF FORM

PROF

*SECNO 48.010
 SECNO DEPTH CWSEL CRIWS WSELK EG HV HL GLOSS BANK ELEV
 Q QLOB QCH QROB ALOR ACH AROB VOL TWA LEFT/RIGHT
 SSTA

*SECNO 71.000

SECNO	DEPTH	CWSEL	CRISW	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	XLQBL	XLCH	XLQBR	ITRIAL	TDC	ICONT	CCRAB	TOPN ID	ENDST	

71.40	9.62	528.22	0.0	0.0	528.22	0.0	0.0	0.00	521.30	
855.	421.	51.	383.	465.	40.	389.	403.	108.	521.30	
2.62	0.90	1.28	0.99	0.144	0.108	0.144	0.094	518.60	194.15	
0.000919	50.	50.	50.	2	0	0	0.0	191.29	385.43	

CCHV= 0.010 CEHV= 0.010

*SECNO 72.000

72.00	6.68	530.38	0.0	0.0	530.38	0.0	2.20	520.00	527.50	
789.	393.	307.	88.	323.	118.	100.	425.	114.	527.30	
2.83	1.22	2.60	0.88	0.144	0.108	0.144	0.095	523.70	243.00	
0.004121	1425.	1265.	1225.	3	0	0	0.0	222.85	465.85	

CCHV= 0.600 CEHV= 0.800

*SECNO 73.200

73.20	5.97	530.67	0.0	0.0	530.67	0.05	0.30	520.00	527.70	
789.	569.	103.	117.	356.	30.	102.	426.	115.	527.70	
2.84	1.60	3.37	1.15	0.144	0.084	0.144	0.095	524.70	539.13	
0.007310	55.	55.	55.	2	0	0	0.0	230.34	769.47	

SPECIAL BRIDGE

SR	XK	XKQR	COFQ	ROLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	1.25	1.56	3.00	0.0	4.70	0.0	28.30	0.0	525.20	524.70

*SECNO 73.300
PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TRAPEZOID	ELLIC	ELTRD
AREA								
549.50	531.23	0.0	413.	383.	28.	28.	531.20	534.10
73.30	9.92	535.12	0.0	0.0	535.12	0.00	4.39	0.0
789.	527.	47.	215.	1044.	54.	511.	427.	115.
2.86	0.51	0.87	0.42	0.144	0.084	0.144	0.095	525.20
0.000226	40.	40.	40.	0	0	7	0.0	327.19

TOP OF FORM

THIS RUN EXECUTED

 HEC2 RELEASE DATED NOV 76 UPDATED AUG1977
 ERROR CORR - 01,02
 MODIFICATION - 50,51,52,53

11	ICHECK	INC	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	EO
	0.	3.	0.	0.	0.0	0.0	-1.0	0.	440.650	0.0
12	NPROF	IPL0T	PREVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2.000	0.0	-1.000	0.0	0.0	1.200	0.0	0.0	0.0	0.0

-----TOP OF FORM-----

*PROF 2

*SECNO 48.01C

SECNO	DEPTH	CWSEL	CRIMS	WSELK	EG	HV	HL	LOSS	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	TOPW ID	ENDST	
48.01	13.95	440.65	0.0	440.65	441.50	0.85	0.0	0.0	432.00	
5709.	634.	4965.	111.	541.	625.	95.	0.	0.	432.00	
0.00	1.17	7.94	1.16	0.114	0.036	0.114	0.036	426.70	10.13	
0.001379	0.	0.	0.	0	0	0	0.0	231.77	241.90	

*SECNO 48.200

3301 HV CHANGED MORE THAN HVINS

48.20	15.21	441.21	0.0	0.0	441.54	0.33	0.04	0.0	430.10	
5709.	151.	5496.	62.	237.	1163.	90.	2.	0.	432.20	
0.00	0.64	4.72	0.69	0.114	0.036	0.114	0.036	426.00	75.93	
0.000407	60.	57.	20.	2	0	0	0.0	172.66	248.59	

*SECNO 48.250

48.25	11.19	440.89	0.0	0.0	441.54	0.65	0.00	0.0	430.10	
5709.	246.	5373.	91.	217.	806.	77.	2.	0.	432.90	
0.00	1.13	6.67	1.18	0.114	0.036	0.114	0.035	429.70	78.30	
0.001417	1.	1.	1.	2	0	0	0.0	168.30	246.59	

*SECNO 48.300

48.30	11.95	441.05	0.0	0.0	441.54	0.50	0.00	0.0	430.10	
5709.	199.	5427.	83.	227.	935.	87.	2.	0.	432.20	
0.00	0.88	5.80	0.95	0.114	0.036	0.114	0.034	429.10	77.16	
0.000815	1.	1.	1.	2	0	0	0.0	170.40	247.55	

*SECNO 49.200

SECNO	DEPTH	CWSEL	CRIMS	WSELK	EG	HV	HL	LOSS	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	TOPW ID	ENDST	

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE. ELLEA= 442.00 E2REA= 443.60

49.20	11.43	441.13	0.0	0.0	441.51	0.47	0.06	0.0	437.00	
5709.	0.	5709.	0.	0.	1037.	0.	4.	0.	440.00	
0.01	0.0	5.51	0.0	0.114	0.036	0.114	0.035	429.70	615.00	
0.000997	40.	69.	100.	1	0	0	0.0	113.30	728.30	

--- TOP OF FORM ---

#PROF 3

*SECNO 48.010

SECNO	DEPTH	CWSEL	CRISV	WSELK	EG	HV	HL	OLQSS	BANK	ELEV
0	CLOB	OCH	OROB	ALOB	ACH	AROB	VOL	TWA	LEFT	RIGHT
TIME	VLOB	VCH	VROR	XNL	XNCH	XNR	WTN	ELMIN	SSTA	ENDST
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID		
48.01	14.76	441.40	0.0	441.40	442.30	0.49	0.06	0.0	430.00	432.00
6319.	846.	5328.	145.	665.	667.	122.	0.	0.	432.00	
0.0	1.27	7.99	1.18	0.114	0.036	0.114	0.0	426.70	4.05	
0.001284	0.	0.	0.	0	0	0	0.0	242.71	246.76	

*SECNO 48.200

48.20	15.98	441.98	0.0	0.0	442.34	0.36	0.04	0.0	430.10	
6319.	205.	6033.	81.	291.	1229.	109.	2.	0.	432.20	
0.00	0.70	4.91	0.75	0.114	0.036	0.114	0.036	426.00	70.14	
0.000409	60.	57.	20.	2	0	0	0.0	183.32	253.46	

*SECNO 48.250

48.25	11.98	441.68	0.0	0.0	442.34	0.66	0.00	0.0	430.10	
6319.	326.	5875.	118.	270.	873.	94.	2.	0.	432.90	
0.00	1.21	6.73	1.25	0.114	0.036	0.114	0.036	429.70	72.37	
0.001297	1.	1.	1.	2	0	0	0.0	179.22	251.59	

*SECNO 48.300

48.30	12.72	441.82	0.0	0.0	442.34	0.52	0.00	0.0	430.10	
6319.	266.	5947.	106.	279.	1061.	104.	2.	0.	432.20	
0.00	0.95	5.94	1.02	0.114	0.036	0.114	0.034	429.10	71.33	
0.000779	1.	1.	1.	2	0	0	0.0	181.13	252.46	

*SECNO 49.200

SECNO	DEPTH	CWSEL	CRISV	WSELK	EG	HV	HL	OLQSS	BANK	ELEV
0	CLOB	OCH	OROB	ALOB	ACH	AROB	VOL	TWA	LEFT	RIGHT
TIME	VLOB	VCH	VROR	XNL	XNCH	XNR	WTN	ELMIN	SSTA	ENDST
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID		

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE. ELLEA= 442.00 ELREA= 443.60

49.20	12.21	441.91	0.0	0.0	442.40	0.49	0.06	0.0	437.00	
6319.	0.	6319.	0.	0.	1124.	0.	4.	0.	440.00	
0.01	0.0	5.62	0.0	0.114	0.036	0.114	0.035	429.70	615.00	
0.000938	40.	69.	100.	1	0	0	0.0	113.30	728.30	

SPECIAL BRIDGE

SB	XK	XKOR	COFQ	RLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	1.25	1.56	2.80	0.0	32.00	15.00	961.00	4.70	429.70	429.70

*SECNO 49.300

PRESSURE AND WIND FLOW

SECNO 71.400
 DEPTH CWSL CRI S VSELK EG HV HL OLOSS BANK ELEV
 CLOB OCH OROB ALOB ACH AROB VOL IWA I FT/RIGHT
 TIME VLOB VCH VROB XNL XNCH XNR WTN ELMIN SSTA
 SLOPE KLOBL KLCH KLOBR ITRIAL IDC ICONT CORAR TOPWID ENDST

71.40 10.69 529.29 0.0 0.0 529.34 0.04 0.10 0.00 521.30
 1790. 912. 96. 782. 591. 45. 474. 681. 129. 521.30
 2.39 1.54 2.13 1.65 0.14 0.10 0.14 0.09 118.50 118.50
 0.002178 50. 50. 50. 2 0 0 0.0 209.23 391.28

CEHV 0.010 CEHV 0.010
 SECNO 72.000

72.00 6.85 532.55 0.0 0.0 532.60 0.03 3.26 0.00 527.50
 1681. 947. 416. 318. 644. 159. 290. 715. 136. 527.30
 2.61 1.47 2.61 1.10 0.14 0.10 0.14 0.09 223.70 223.70
 0.002772 1425. 1265. 1225. 2 0 0 0.0 281.55 507.29

CEHV 0.600 CEHV 0.800
 SECNO 73.200

73.20 8.03 532.73 0.0 0.0 532.78 0.05 0.18 0.00 527.70
 1681. 1178. 132. 371. 696. 43. 288. 717. 137. 527.70
 2.62 1.69 3.08 1.29 0.14 0.08 0.14 0.09 524.70 524.09
 0.003874 55. 55. 55. 2 0 0 0.0 288.20 808.29

SPECIAL BRIDGE

SB XK XKOR COFO RDLN BWC BWP BAREA SS ELCHU ELCHD
 1.25 1.56 3.00 0.0 4.70 0.0 28.30 0.0 525.20 524.70

SECNO 73.300
 PRESSURE AND WEIR FLOW

EGPRS EGLWC H3 QWEIR QPR BAREA TRAPEZOID AREA ELLC ELTRD
 618.20 533.28 0.0 135. 329. 28. 28. 631.20 534.10
 73.30 10.78 535.98 0.0 0.0 535.99 0.01 3.22 0.0 528.20
 1681. 1108. 91. 482. 1217. 159. 627. 718. 137. 528.20
 2.63 0.91 1.54 0.77 0.144 0.084 0.144 0.095 525.20 485.28
 0.000626 40. 40. 40. 1 0 9 0.0 354.36 839.64

--- TOP OF FORM ---

THIS RUN EXECUTED

 HEC2 RELEASE DATED NOV 76 UPDATED AUG1977
 ERROR CORR - 01,02
 MODIFICATION - 50,51,52,53

T1 STANLY CO. - ALBEMARLE
 T2 500 YR.
 T3 LITTLE LONG CR

J2 NPROF IPLGT PRFVS XSECV XSECH FN ALLDC IBW CHNIM ITRACE
 15.000 0.0 -1.000 0.0 0.0 1.200 0.0 0.0 0.0 0.0

*****TOP OF PROFILE*****

*PROF 4

*SECNO 48.010

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK	ELEV
Q	CLOB	QCH	OROB	ALOB	ACH	AROB	VOL	TWA	LEFT	RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA	
SLOPE	FLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST	
48.01	18.05	641.75	0.0	441.75	443.09	1.34	0.0	0.0	430.10	432.00
8301	1176.	6924.	201.	710.	681.	133.	0.	0.	432.00	
0.0	1.66	10.16	1.51	0.114	0.036	0.114	0.0	426.70	1.68	
0.002015	0.	0.	0.	0	0	0	0.0	246.62	248.50	

*SECNO 48.200

3501 HV CHANGED MORE THAN HV IN S

48.20	16.60	442.60	0.0	0.0	443.15	0.55	0.06	0.0	430.10	
8301	318.	7864.	120.	377.	1281.	126.	2.	0.	432.20	
0.0	0.84	6.14	0.96	0.114	0.036	0.114	0.036	425.80	0.10	
0.000604	60.	57.	20.	2	0	0	0.0	257.36	257.36	

*SECNO 48.250

48.25	12.44	442.14	0.0	0.0	443.15	1.02	0.00	0.0	430.10	
8301	470.	7664.	167.	312.	912.	106.	2.	0.	432.90	
0.0	1.51	8.40	1.58	0.114	0.036	0.114	0.035	429.70	0.0	
0.001910	1.	1.	1.	2	0	0	0.0	254.47	254.47	

*SECNO 48.300

48.30	13.26	442.36	0.0	0.0	443.15	0.60	0.00	0.0	430.10	
8301	396.	7752.	153.	343.	1046.	119.	2.	0.	432.20	
0.0	1.16	7.41	1.28	0.114	0.036	0.114	0.035	429.10	0.0	
0.001142	1.	1.	1.	2	0	0	0.0	255.83	255.83	

*SECNO 49.200

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK	ELEV
Q	CLOB	QCH	OROB	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	

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 442.00 ELREA= 443.60

49.20	12.88	442.58	0.0	0.0	443.23	0.65	0.08	0.0	437.00	
8301	362.	7939.	0.	287.	1201.	0.	4.	1.	440.00	
0.01	1.26	6.61	0.0	0.114	0.036	0.114	0.35	429.70	560.00	
0.001144	40.	69.	100.	2	0	0	0.0	168.30	728.30	

SPECIAL BRIDGE

SB XK XKOR COEQ RLEN BWC BWP BAREA SS ELCHU ELCHD

THIS RUN EXECUTED

HEC2 RELEASE DATED NOV 76 UPDATED AUG1977
ERROR CORR - 01.02
MODIFICATION - 50,51,52,53

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

LITTLE LONG CR

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRI WS	EG	10K+S	VCH	AREA	.01K
48.010	0.0	0.0	0.0	426.70	3903.00	438.30	0.0	439.10	15.71	7.35	748.01	984.75
48.010	0.0	0.0	0.0	426.70	5709.00	440.65	0.0	441.50	13.79	7.94	1261.44	1537.24
48.010	0.0	0.0	0.0	426.70	6319.00	441.46	0.0	442.30	12.84	7.99	1453.62	1763.76
48.010	0.0	0.0	0.0	426.70	8301.00	441.75	0.0	443.09	12.05	8.15	1624.55	1949.28
48.200	57.00	0.0	0.0	426.00	3903.00	438.90	0.0	439.14	3.68	3.97	1118.39	2033.50
48.200	57.00	0.0	0.0	426.00	5709.00	441.21	0.0	441.54	4.07	4.72	1490.76	2828.94
48.200	57.00	0.0	0.0	426.00	6319.00	441.98	0.0	442.34	4.09	4.97	1620.12	3125.14
48.200	57.00	0.0	0.0	426.00	8301.00	442.60	0.0	443.15	6.04	6.14	1784.42	3377.11
48.250	1.00	0.0	0.0	429.70	3903.00	438.54	0.0	439.14	18.31	6.27	728.33	912.03
48.250	1.00	0.0	0.0	429.70	5709.00	440.89	0.0	441.54	19.17	6.67	1099.75	1516.75
48.250	1.00	0.0	0.0	429.70	6319.00	441.68	0.0	442.34	12.97	6.73	1237.16	1754.44
48.250	1.00	0.0	0.0	429.70	8301.00	442.14	0.0	443.15	19.10	8.40	1330.11	1899.50
48.300	1.00	0.0	0.0	429.10	3903.00	438.73	0.0	439.14	8.84	8.17	879.04	1131.68
48.300	1.00	0.0	0.0	429.10	5709.00	441.05	0.0	441.54	8.15	5.80	1248.10	2000.14
48.300	1.00	0.0	0.0	429.10	6319.00	441.82	0.0	442.34	7.79	5.94	1384.69	2263.88
48.300	1.00	0.0	0.0	429.10	8301.00	442.36	0.0	443.15	11.42	7.41	1507.79	2456.12
49.200	69.00	0.0	0.0	429.70	3903.00	438.82	0.0	439.21	11.59	5.02	777.00	1146.62
49.200	69.00	0.0	0.0	429.70	5709.00	441.13	0.0	441.61	9.97	5.51	1036.80	1808.39
49.200	69.00	0.0	0.0	429.70	6319.00	441.91	0.0	442.40	9.38	5.62	1124.29	2062.92
49.200	69.00	0.0	0.0	429.70	8301.00	442.58	0.0	443.23	11.44	6.61	1400.38	2454.59
49.300	20.00	442.00	441.00	429.70	3903.00	439.05	0.0	439.42	10.48	4.86	802.67	1205.57
49.300	20.00	442.00	441.00	429.70	5709.00	441.56	0.0	441.99	8.58	5.26	1085.77	1949.37
49.300	20.00	442.00	441.00	429.70	6319.00	442.51	0.0	442.89	6.79	5.07	1475.84	2426.82
49.300	20.00	442.00	441.00	429.70	8301.00	443.46	0.0	444.00	8.70	6.07	1634.93	2814.51
49.400	50.00	0.0	0.0	429.70	3903.00	439.14	0.0	439.47	9.44	4.68	991.82	1270.16
49.400	50.00	0.0	0.0	429.70	5709.00	441.70	0.0	442.03	8.77	4.79	1631.55	2194.05
49.400	50.00	0.0	0.0	429.70	6319.00	442.60	0.0	442.92	5.95	4.77	1878.09	2589.75
49.400	50.00	0.0	0.0	429.70	8301.00	443.60	0.0	444.04	7.33	5.62	2157.92	3066.40
50.000	840.00	0.0	0.0	429.70	3861.00	440.27	0.0	440.35	15.83	3.12	1905.77	2978.53
50.000	840.00	0.0	0.0	429.70	5657.00	442.57	0.0	442.65	11.31	3.12	2767.06	1682.03
50.000	840.00	0.0	0.0	429.70	6265.00	443.40	0.0	443.47	10.07	3.08	3103.79	1974.60
50.000	840.00	0.0	0.0	429.70	8241.00	444.60	0.0	444.70	11.43	3.50	3628.85	2437.36

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K*S	VCH	AREA	.01K
51.000	455.00	0.0	0.0	429.20	3871.00	440.78	0.0	441.63	122.96	8.59	1344.68	349.10
51.000	455.00	0.0	0.0	429.20	5668.00	442.67	0.0	443.65	120.90	9.58	1982.17	515.48
51.000	455.00	0.0	0.0	429.20	6276.00	443.40	0.0	444.37	114.35	9.70	2239.99	586.89
51.000	455.00	0.0	0.0	429.20	8251.00	444.46	0.0	445.73	139.46	11.31	2630.26	698.67
52.200	140.00	0.0	0.0	428.50	3871.00	442.19	0.0	443.68	121.84	9.79	1395.23	350.75
52.200	140.00	0.0	0.0	428.50	5668.00	443.99	0.0	446.40	173.51	12.47	454.46	430.29
52.200	140.00	0.0	0.0	428.50	6276.00	444.57	0.0	447.30	188.54	13.25	473.76	457.07
52.200	140.00	0.0	0.0	428.50	8251.00	445.72	0.0	449.76	261.06	16.13	511.60	510.66
52.300	20.00	448.60	445.10	428.50	3871.00	442.53	0.0	443.94	112.15	9.52	406.50	365.52
52.300	20.00	448.60	445.10	428.50	5668.00	449.13	0.0	447.19	137.68	11.51	492.23	483.06
52.300	20.00	448.60	445.10	428.50	6276.00	446.34	0.0	448.50	135.01	11.80	532.03	540.14
52.300	20.00	448.60	445.10	428.50	8251.00	451.00	0.0	451.03	226.65	12.37	7519.02	4859.10
52.400	330.00	0.0	0.0	429.00	3871.00	444.83	0.0	444.89	6.29	2.99	2470.40	1543.84
52.400	330.00	0.0	0.0	429.00	5668.00	448.21	0.0	448.27	5.26	3.13	3434.00	2470.55
52.400	330.00	0.0	0.0	429.00	6276.00	449.51	0.0	449.57	4.72	3.10	3829.86	2889.82
52.400	330.00	0.0	0.0	429.00	8251.00	451.11	0.0	451.18	5.69	3.58	4331.29	3458.70
53.000	770.00	0.0	0.0	430.20	3891.00	445.39	0.0	445.51	11.73	3.83	1703.52	1135.97
53.000	770.00	0.0	0.0	430.20	5690.00	448.67	0.0	448.80	9.83	4.08	2322.33	1818.24
53.000	770.00	0.0	0.0	430.20	6297.00	449.91	0.0	450.04	8.92	4.06	2563.40	2108.14
53.000	770.00	0.0	0.0	430.20	8271.00	451.58	0.0	451.75	10.65	4.71	2895.37	2534.64
54.000	310.00	0.0	0.0	434.10	2694.00	445.90	0.0	446.10	761.03	4.58	803.80	344.83
54.000	310.00	0.0	0.0	434.10	4037.00	449.07	0.0	449.27	44.95	4.64	1175.89	602.13
54.000	310.00	0.0	0.0	434.10	4530.00	450.27	0.0	450.47	39.86	4.61	1326.37	717.54
54.000	310.00	0.0	0.0	434.10	6043.00	452.00	0.0	452.26	45.00	5.26	1552.01	900.88
55.000	650.00	0.0	0.0	435.20	2108.00	447.16	0.0	447.18	6.49	2.01	2246.33	827.78
55.000	650.00	0.0	0.0	435.20	3275.00	450.04	0.0	450.06	4.86	2.06	3293.90	1485.42
55.000	650.00	0.0	0.0	435.20	3730.00	451.15	0.0	451.17	4.37	2.06	3714.17	1785.16
55.000	650.00	0.0	0.0	435.20	5111.00	452.99	0.0	453.02	4.76	2.34	4457.82	2341.64
56.200	150.00	0.0	0.0	437.00	2108.00	446.98	443.80	447.93	151.43	7.91	312.27	171.30
56.200	150.00	0.0	0.0	437.00	3275.00	450.13	0.0	450.32	35.46	4.74	2701.85	549.96
56.200	150.00	0.0	0.0	437.00	3730.00	451.25	0.0	451.36	23.16	4.07	3778.52	775.22
56.200	150.00	0.0	0.0	437.00	5111.00	453.10	0.0	453.19	17.14	3.84	5712.94	1234.57
56.300	40.00	446.80	445.00	437.20	2108.00	447.02	0.0	448.02	162.56	8.10	291.68	165.33
56.300	40.00	446.80	445.00	437.20	3275.00	450.10	0.0	450.32	112.44	5.08	2481.73	607.54
56.300	40.00	446.80	445.00	437.20	3730.00	451.25	0.0	451.38	26.00	4.27	3579.16	731.52
56.300	40.00	446.80	445.00	437.20	5111.00	453.16	0.0	453.25	18.30	3.94	5553.33	1194.70
56.400	50.00	0.0	0.0	437.40	2108.00	448.17	444.21	448.74	84.89	6.46	743.66	222.33
56.400	50.00	0.0	0.0	437.40	3275.00	450.32	0.0	450.53	39.28	4.92	2502.19	522.56
56.400	50.00	0.0	0.0	437.40	3730.00	451.38	0.0	451.51	25.39	4.20	3509.24	740.32
56.400	50.00	0.0	0.0	437.40	5111.00	453.25	0.0	453.34	17.55	3.84	5432.59	1219.98
561.000	920.00	0.0	0.0	439.60	2102.00	451.00	0.0	451.08	11.80	3.12	1349.37	611.96
561.000	920.00	0.0	0.0	439.60	3266.00	452.51	0.0	452.62	14.95	3.85	1706.42	844.59
561.000	920.00	0.0	0.0	439.60	3720.00	453.15	0.0	453.27	15.18	4.02	1865.71	954.88
561.000	920.00	0.0	0.0	439.60	5098.00	454.74	0.0	454.88	16.33	4.53	2298.38	1281.61

TOP OF FORM

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K*S	VCH	AREA	.01K
1.010	330.00	0.0	0.0	441.94	2100.00	451.88	0.0	451.65	89.89	6.91	893.78	271.64
1.010	330.00	0.0	0.0	441.94	3263.00	453.18	0.0	453.53	60.82	6.72	952.17	418.41
1.010	330.00	0.0	0.0	441.94	3717.00	453.82	0.0	454.18	58.73	6.89	1060.21	485.03
1.010	330.00	0.0	0.0	441.94	5094.00	455.42	0.0	455.83	57.28	7.48	1344.70	673.06

1.010	330.00	0.0	0.0	441.94	3717.00	453.82	0.0	454.18	58.73	6.89	1060.21	853.83
1.010	330.00	0.0	0.0	441.94	5094.00	455.42	0.0	455.83	57.28	7.48	1344.70	673.06
562.000	330.00	0.0	0.0	444.30	2099.00	453.57	0.0	454.14	77.58	6.44	401.31	238.30
562.000	330.00	0.0	0.0	444.30	3260.00	455.16	0.0	455.97	87.57	7.85	546.31	348.37
562.000	330.00	0.0	0.0	444.30	3714.00	455.71	0.0	456.61	90.00	8.29	598.83	391.49
562.000	330.00	0.0	0.0	444.30	5089.00	457.16	0.0	458.30	96.86	9.49	742.49	517.09
57.000	1075.00	0.0	0.0	448.90	2093.00	457.06	0.0	457.11	13.97	2.80	1661.23	559.94
57.000	1075.00	0.0	0.0	448.90	3252.00	458.73	0.0	458.78	12.23	3.01	2369.45	930.06
57.000	1075.00	0.0	0.0	448.90	3705.00	459.31	0.0	460.36	11.78	3.00	2671.61	1078.24
57.000	1075.00	0.0	0.0	448.90	5076.00	460.90	0.0	460.96	10.89	3.29	3325.92	1538.50
* 571.000	205.00	0.0	0.0	451.60	2001.00	457.44	457.44	458.29	241.74	9.30	468.99	128.70
571.000	205.00	0.0	0.0	451.60	3130.00	458.89	0.0	459.39	311.15	8.10	928.64	272.72
571.000	205.00	0.0	0.0	451.60	3576.00	459.53	0.0	459.92	99.94	7.52	1143.24	357.71
571.000	205.00	0.0	0.0	451.60	4927.00	461.14	0.0	461.42	61.21	6.74	1729.96	629.74
58.000	930.00	0.0	0.0	455.00	1630.00	465.10	0.0	465.17	31.49	2.71	845.76	281.92
58.000	930.00	0.0	0.0	455.00	2643.00	466.09	0.0	466.21	44.78	3.49	1051.38	394.95
58.000	930.00	0.0	0.0	455.00	3062.00	466.35	0.0	466.49	51.93	3.82	1106.45	424.91
58.000	930.00	0.0	0.0	455.00	4332.00	467.12	0.0	467.33	69.39	4.65	1273.87	520.04
59.000	2350.00	0.0	0.0	467.00	1505.00	474.70	0.0	474.84	62.03	3.92	681.82	191.09
59.000	2350.00	0.0	0.0	467.00	2471.00	476.48	0.0	476.61	46.72	3.99	1115.20	361.53
59.000	2350.00	0.0	0.0	467.00	2877.00	477.13	0.0	477.25	43.11	4.03	1290.31	438.19
59.000	2350.00	0.0	0.0	467.00	4109.00	478.73	0.0	478.86	38.27	4.24	1767.28	604.24
60.000	735.00	0.0	0.0	470.30	1511.00	477.88	0.0	478.10	36.76	3.81	405.43	249.22
60.000	735.00	0.0	0.0	470.30	2475.00	479.03	0.0	479.30	33.23	4.04	599.14	429.32
60.000	735.00	0.0	0.0	470.30	2880.00	479.47	0.0	479.75	31.15	4.00	694.65	516.70
60.000	735.00	0.0	0.0	470.30	4107.00	480.65	0.0	480.95	25.16	4.00	945.17	818.78
61.200	90.00	0.0	0.0	471.70	1511.00	478.29	0.0	478.69	90.26	5.34	306.84	159.04
61.200	90.00	0.0	0.0	471.70	2475.00	479.40	0.0	479.86	82.82	5.74	468.89	271.96
61.200	90.00	0.0	0.0	471.70	2880.00	479.81	0.0	480.27	76.88	5.74	528.51	328.47
61.200	90.00	0.0	0.0	471.70	4107.00	480.92	0.0	481.38	61.18	5.62	750.14	525.08
61.300	20.00	479.10	476.50	471.70	1511.00	479.89	0.0	480.01	19.78	3.29	542.00	339.72
61.300	20.00	479.10	476.50	471.70	2475.00	481.16	0.0	481.31	18.28	3.13	806.73	578.94
61.300	20.00	479.10	476.50	471.70	2880.00	481.55	0.0	481.71	18.41	3.23	900.69	671.31
61.300	20.00	479.10	476.50	471.70	4107.00	482.41	0.0	482.61	19.86	3.57	1132.21	921.57
61.400	100.00	0.0	0.0	472.10	1511.00	480.10	0.0	480.24	23.74	3.15	506.30	310.14
61.400	100.00	0.0	0.0	472.10	2475.00	481.35	0.0	481.52	21.72	3.35	756.56	531.12
61.400	100.00	0.0	0.0	472.10	2880.00	481.74	0.0	481.92	21.68	3.45	847.39	618.47
61.400	100.00	0.0	0.0	472.10	4107.00	482.61	0.0	482.84	22.97	3.79	1075.87	856.89
62.000	555.00	0.0	0.0	474.40	1519.00	482.15	0.0	482.34	78.53	4.59	666.36	171.41
62.000	555.00	0.0	0.0	474.40	2484.00	483.29	0.0	483.49	79.66	5.12	973.46	278.31
62.000	555.00	0.0	0.0	474.40	2890.00	483.68	0.0	483.89	80.53	5.31	1085.33	322.06
62.000	555.00	0.0	0.0	474.40	4115.00	484.67	0.0	484.90	84.26	5.86	1382.17	448.29

TOP OF FORM

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10K*S	VCH	AREA	.01K
63.000	1435.00	0.0	0.0	481.00	1524.00	489.60	0.0	489.70	35.19	3.53	993.69	256.90
63.000	1435.00	0.0	0.0	481.00	2488.00	491.14	0.0	491.26	37.96	4.12	1394.19	403.82
63.000	1435.00	0.0	0.0	481.00	2891.00	491.69	0.0	491.82	38.92	4.33	1545.36	463.38
63.000	1435.00	0.0	0.0	481.00	4109.00	493.15	0.0	493.31	41.44	4.90	1964.49	638.28
64.200	110.00	0.0	0.0	481.70	1524.00	489.11	0.0	490.66	15.66	9.98	152.65	385.06
64.200	110.00	0.0	0.0	481.70	2488.00	489.87	0.0	493.25	31.63	14.75	168.73	442.36
64.200	110.00	0.0	0.0	481.70	2891.00	490.19	490.19	494.41	38.46	16.49	175.30	468.19
* 64.200	110.00	0.0	0.0	481.70	4109.00	493.57	493.57	497.52	24.73	16.18	442.84	826.30

64.300	20.00	493.30	492.40	481.70	2891.00	492.11	0.0	494.90	21.04	13.41	215.62	610.28
* 64.300	20.00	493.30	492.40	481.70	4109.00	493.54	493.34	497.60	27.58	16.36	375.76	762.46
64.400	100.00	0.0	0.0	482.10	1524.00	489.27	0.0	490.93	17.19	10.32	147.64	367.56
64.400	100.00	0.0	0.0	482.10	2488.00	490.89	0.0	493.80	25.87	13.70	181.59	489.19
* 64.400	100.00	0.0	0.0	482.10	2891.00	492.26	490.62	495.17	21.85	13.70	237.35	618.45
* 64.400	100.00	0.0	0.0	482.10	4163.00	494.00	494.00	497.92	24.51	16.14	447.15	830.02
65.000	1820.00	0.0	0.0	489.40	1127.00	496.09	495.07	496.30	92.49	5.02	428.42	117.19
65.000	1820.00	0.0	0.0	489.40	1888.00	498.72	0.0	498.82	31.22	3.72	914.78	337.92
65.000	1820.00	0.0	0.0	489.40	2223.00	499.45	0.0	499.54	28.41	3.75	1058.29	417.04
65.000	1820.00	0.0	0.0	489.40	3216.00	501.77	0.0	501.86	27.74	3.88	1163.81	732.24
66.000	1540.00	0.0	0.0	498.20	1123.00	505.45	0.0	505.50	42.79	2.79	655.55	171.67
66.000	1540.00	0.0	0.0	498.20	1877.00	505.88	0.0	505.97	80.19	3.99	999.13	209.61
66.000	1540.00	0.0	0.0	498.20	2208.00	508.23	0.0	508.33	117.58	4.72	1233.34	247.84
66.000	1540.00	0.0	0.0	498.20	3190.00	507.09	0.0	507.21	86.15	4.62	1448.02	343.68
67.000	1190.00	0.0	0.0	503.80	1085.00	511.38	0.0	511.46	63.22	3.23	711.87	136.46
67.000	1190.00	0.0	0.0	503.80	1819.00	512.82	0.0	512.88	48.98	3.14	1198.08	240.86
67.000	1190.00	0.0	0.0	503.80	2145.00	513.25	0.0	513.32	46.12	3.28	1294.53	315.85
67.000	1190.00	0.0	0.0	503.80	3105.00	514.34	0.0	514.42	46.99	3.60	1651.89	452.96
68.000	1460.00	0.0	0.0	508.60	950.00	517.17	0.0	517.20	28.13	1.63	894.88	188.84
68.000	1460.00	0.0	0.0	508.60	1631.00	518.29	0.0	518.33	31.26	2.49	1223.53	291.69
68.000	1460.00	0.0	0.0	508.60	1940.00	518.78	0.0	518.82	31.83	2.60	1366.26	343.88
68.000	1460.00	0.0	0.0	508.60	2857.00	520.02	0.0	520.07	33.08	2.88	1745.19	496.76
69.200	280.00	0.0	0.0	511.30	950.00	518.46	0.0	518.51	66.74	3.52	659.54	116.29
69.200	280.00	0.0	0.0	511.30	1631.00	519.68	0.0	519.74	60.51	3.81	986.00	209.68
69.200	280.00	0.0	0.0	511.30	1940.00	520.16	0.0	520.23	58.49	3.91	1122.86	253.66
69.200	280.00	0.0	0.0	511.30	2857.00	521.40	0.0	521.48	54.89	4.18	1498.79	388.28
69.300	40.00	521.70	519.70	511.70	950.00	522.73	0.0	522.73	3.57	1.14	1797.36	502.51
69.300	40.00	521.70	519.70	511.70	1631.00	523.61	0.0	523.62	6.75	1.66	2098.46	627.76
69.300	40.00	521.70	519.70	511.70	1940.00	523.69	0.0	523.90	8.34	1.88	2197.40	671.80
69.300	40.00	521.70	519.70	511.70	2857.00	524.54	0.0	524.57	13.41	2.48	2433.17	780.09
69.400	30.00	0.0	0.0	511.90	950.00	522.74	0.0	522.75	4.20	0.86	1733.55	463.28
69.400	30.00	0.0	0.0	511.90	1631.00	523.63	0.0	523.64	7.78	1.24	2034.78	584.74
69.400	30.00	0.0	0.0	511.90	1940.00	523.92	0.0	523.93	9.59	1.40	2133.78	626.44
69.400	30.00	0.0	0.0	511.90	2857.00	524.59	0.0	524.61	15.11	1.83	2375.32	734.88

--- TOP OF FORM ---

SECNO	XLCH	ELECTRD	ELLC	ELMIN	Q	CASEL	CRINS	REG	OK'S	VCH	AREA	OK'S
70.000	950.00	0.0	0.0	518.40	855.00	523.60	0.0	523.70	106.47	3.43	367.26	82.86
70.000	950.00	0.0	0.0	518.40	1494.00	525.07	0.0	525.18	87.83	3.74	582.06	159.41
70.000	950.00	0.0	0.0	518.40	1790.00	525.61	0.0	525.73	84.90	3.89	670.19	194.27
70.000	950.00	0.0	0.0	518.40	2673.00	526.97	0.0	527.11	80.49	4.29	911.70	297.93
71.200	50.00	0.0	0.0	518.00	855.00	524.20	0.0	524.33	141.01	4.62	337.40	72.00
71.200	50.00	0.0	0.0	518.00	1494.00	525.56	0.0	525.70	115.32	4.87	635.87	139.12
71.200	50.00	0.0	0.0	518.00	1790.00	526.09	0.0	526.23	109.59	4.99	620.17	170.99
71.200	50.00	0.0	0.0	518.00	2673.00	527.41	0.0	527.58	99.01	5.31	854.36	268.63
71.300	50.00	526.40	523.40	518.40	855.00	528.18	0.0	528.19	8.05	1.58	926.95	301.43
71.300	50.00	526.40	523.40	518.40	1494.00	528.92	0.0	528.95	16.20	2.33	1072.32	371.18
71.300	50.00	526.40	523.40	518.40	1790.00	529.19	0.0	529.23	20.10	2.65	1129.24	399.21
71.300	50.00	526.40	523.40	518.40	2673.00	529.90	0.0	529.97	31.30	3.46	1283.97	477.79
71.400	50.00	0.0	0.0	518.60	855.00	528.22	0.0	528.23	9.19	1.28	894.23	281.97
71.400	50.00	0.0	0.0	518.60	1494.00	529.00	0.0	529.03	17.80	1.89	1048.72	354.14
71.400	50.00	0.0	0.0	518.60	1790.00	529.29	0.0	529.34	21.78	2.13	1109.45	383.56
71.400	50.00	0.0	0.0	518.60	2673.00	530.07	0.0	530.14	32.77	2.75	1275.84	466.94

71.400	50.00	0.0	0.0	518.60	1494.00	529.00	0.0	529.03	17.80	1.89	1048.72	354.14
71.400	50.00	0.0	0.0	518.60	1790.00	529.29	0.0	529.34	21.78	2.13	1109.45	383.56
71.400	50.00	0.0	0.0	518.60	2673.00	530.07	0.0	530.14	32.77	2.75	1275.84	466.94
72.000	1265.00	0.0	0.0	523.70	789.00	530.38	0.0	530.43	41.21	2.60	540.68	122.91
72.000	1265.00	0.0	0.0	523.70	1396.00	531.99	0.0	532.03	29.73	2.58	936.88	256.03
72.000	1265.00	0.0	0.0	523.70	1681.00	532.55	0.0	532.60	27.72	2.61	1092.88	319.27
72.000	1265.00	0.0	0.0	523.70	2533.00	533.93	0.0	533.99	25.32	2.76	1501.64	503.43
73.200	55.00	0.0	0.0	524.70	789.00	530.67	0.0	530.73	73.10	3.37	488.62	92.29
73.200	55.00	0.0	0.0	524.70	1396.00	532.18	0.0	532.23	43.58	3.16	872.75	211.87
73.200	55.00	0.0	0.0	524.70	1681.00	532.73	0.0	532.78	38.74	3.08	1027.27	270.07
73.200	55.00	0.0	0.0	524.70	2533.00	534.09	0.0	534.14	32.30	3.16	1439.37	445.67
73.300	40.00	534.10	531.20	525.20	789.00	535.12	0.0	535.12	2.16	0.87	1608.96	525.02
73.300	40.00	534.10	531.20	525.20	1396.00	535.75	0.0	535.76	4.90	1.34	1822.43	630.68
73.300	40.00	534.10	531.20	525.20	1681.00	535.98	0.0	535.99	6.26	1.54	1903.51	671.91
73.300	40.00	534.10	531.20	525.20	2533.00	536.54	0.0	536.57	10.64	2.08	2106.21	776.58

--- TOP OF FORM ---

LITTLE LONG CR

SUMMARY PRINTOUT TABLE 150

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
48.010	3903.00	438.30	0.0	0.0	0.0	207.13	0.0
48.010	5709.00	440.65	2.35	0.0	0.0	231.77	0.0
48.010	6319.00	441.46	0.81	0.0	0.0	242.71	0.0
48.010	8301.00	441.75	0.29	0.0	0.0	246.62	0.0
48.200	3903.00	438.90	0.0	0.60	0.0	153.12	57.00
48.200	5709.00	441.21	2.31	0.56	0.0	172.66	57.00
48.200	6319.00	441.98	0.77	0.52	0.0	183.32	57.00
48.200	8301.00	442.60	0.62	0.85	0.0	257.36	57.00
48.250	3903.00	438.54	0.0	-0.35	0.0	150.73	1.00
48.250	5709.00	440.89	2.35	-0.32	0.0	168.30	1.00
48.250	6319.00	441.68	0.79	-0.30	0.0	179.22	1.00
48.250	8301.00	442.14	0.45	-0.46	0.0	254.47	1.00
48.300	3903.00	438.73	0.0	0.19	0.0	152.22	1.00
48.300	5709.00	441.05	2.31	0.15	0.0	170.40	1.00
48.300	6319.00	441.82	0.78	0.14	0.0	181.13	1.00
48.300	8301.00	442.36	0.53	0.22	0.0	255.83	1.00
49.200	3903.00	438.82	0.0	0.08	0.0	110.77	69.00
49.200	5709.00	441.13	2.32	0.09	0.0	113.30	69.00
49.200	6319.00	441.91	0.77	0.08	0.0	113.30	69.00
49.200	8301.00	442.58	0.67	0.23	0.0	168.30	69.00
49.300	3903.00	439.05	0.0	0.24	0.0	111.27	20.00
49.300	5709.00	441.56	2.51	0.43	0.0	113.30	20.00
49.300	6319.00	442.51	0.95	0.60	0.0	168.30	20.00
49.300	8301.00	443.46	0.95	0.87	0.0	168.30	20.00
49.400	3903.00	439.14	0.0	0.09	0.0	216.45	50.00
49.400	5709.00	441.70	2.56	0.14	0.0	271.26	50.00
49.400	6319.00	442.60	0.90	0.09	0.0	275.92	50.00
49.400	8301.00	443.60	1.00	0.15	0.0	281.01	50.00
50.000	3861.00	440.27	0.0	1.13	0.0	356.03	840.00
50.000	5657.00	442.57	2.30	0.88	0.0	398.61	840.00
50.000	6265.00	443.40	0.82	0.80	0.0	420.22	840.00

51.000	5668.00	442.67	1.89	0.10	0.0	349.38	455.00
51.000	6276.00	443.40	0.73	0.00	0.0	359.25	455.00
51.000	8251.00	444.46	1.06	-0.14	0.0	373.71	455.00
52.200	3871.00	442.19	0.0	1.41	0.0	33.00	140.00
52.200	5668.00	443.99	1.79	1.31	0.0	33.00	140.00
52.200	6276.00	444.57	0.58	1.17	0.0	33.00	140.00
52.200	8251.00	448.72	1.15	1.26	0.0	33.00	140.00
52.300	3871.00	442.53	0.0	0.34	0.0	33.00	20.00
52.300	5668.00	445.13	2.60	1.14	0.0	33.00	20.00
52.300	6276.00	446.34	1.21	1.76	0.0	33.00	20.00
52.300	8251.00	451.00	4.67	5.28	0.0	620.00	20.00

TOP OF FORM

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
52.400	3871.00	444.83	0.0	2.30	0.0	269.37	330.00
52.400	5668.00	448.21	3.38	3.09	0.0	299.53	330.00
52.400	6276.00	449.51	1.30	3.18	0.0	310.77	330.00
52.400	8251.00	451.11	1.60	0.11	0.0	318.00	330.00
53.000	3891.00	445.39	0.0	0.56	0.0	184.79	770.00
53.000	5690.00	448.67	3.28	0.45	0.0	193.06	770.00
53.000	6297.00	449.91	1.25	0.40	0.0	196.19	770.00
53.000	8271.00	451.58	1.67	0.47	0.0	200.41	770.00
54.000	2694.00	445.90	0.0	0.51	0.0	111.71	310.00
54.000	4037.00	449.07	3.17	0.40	0.0	123.14	310.00
54.000	4530.00	450.27	1.20	0.36	0.0	127.47	310.00
54.000	6043.00	452.00	1.73	0.42	0.0	133.71	310.00
55.000	2108.00	447.16	0.0	1.26	0.0	354.86	650.00
55.000	3275.00	450.04	2.88	0.97	0.0	373.39	650.00
55.000	3730.00	451.15	1.11	0.88	0.0	385.31	650.00
55.000	5111.00	452.99	1.84	1.00	0.0	422.45	650.00
56.200	2108.00	446.98	0.0	-0.17	0.0	222.18	150.00
56.200	3275.00	450.13	3.15	0.09	0.0	939.73	150.00
56.200	3730.00	451.25	1.11	0.10	0.0	954.61	150.00
56.200	5111.00	453.10	1.86	0.11	0.0	1092.43	150.00
56.300	2108.00	447.02	0.0	0.04	0.0	81.57	40.00
56.300	3275.00	450.10	3.07	-0.04	0.0	928.11	40.00
56.300	3730.00	451.25	1.15	-0.00	0.0	924.68	40.00
56.300	5111.00	453.16	1.91	0.05	0.0	1084.43	40.00
56.400	2108.00	448.17	0.0	1.15	0.0	646.97	50.00
56.400	3275.00	450.32	2.15	0.22	0.0	929.20	50.00
56.400	3730.00	451.38	1.06	0.14	0.0	981.17	50.00
56.400	5111.00	453.25	1.87	0.10	0.0	1078.34	50.00
561.000	2102.00	451.00	0.0	2.83	0.0	229.52	920.00
561.000	3266.00	452.51	1.50	2.18	0.0	245.62	920.00
561.000	3720.00	453.15	0.64	1.77	0.0	252.48	920.00
561.000	5098.00	454.74	1.59	1.48	0.0	317.09	920.00
1.010	2100.00	451.56	0.0	0.55	0.0	153.10	330.00
1.010	3263.00	453.18	1.62	0.67	0.0	165.90	330.00
1.010	3717.00	453.82	0.64	0.67	0.0	170.97	330.00
1.010	5094.00	458.42	1.60	0.69	0.0	183.85	330.00
562.000	2099.00	453.57	0.0	2.02	0.0	88.23	330.00
562.000	3260.00	455.16	1.59	1.98	0.0	94.41	330.00
562.000	3714.00	455.71	0.55	1.89	0.0	96.55	330.00

562.000	2099.00	453.57	0.0	2.02	0.0	88.23	330.00
562.000	3260.00	455.16	1.59	1.98	0.0	94.41	330.00
562.000	3714.00	455.71	0.55	1.89	0.0	96.55	330.00
562.000	5089.00	457.16	1.45	1.73	0.0	101.20	330.00

57.000	2093.00	457.06	0.0	3.49	0.0	418.50	1075.00
57.000	3252.00	458.73	1.66	3.57	0.0	432.90	1075.00
57.000	3705.00	459.31	0.58	3.60	0.0	437.78	1075.00
57.000	5076.00	460.90	1.59	3.74	0.0	451.13	1075.00

TOP OF FORM

SECNO QI CWSEL DIFUSR DIFVSK DIFKVS DIFDPTO

571.000	2001.00	457.44	0.0	0.37	0.0	261.27	205.00
571.000	3130.00	458.89	1.46	0.17	0.0	340.71	205.00
571.000	3876.00	459.53	0.63	0.22	0.0	380.23	205.00
571.000	4927.00	461.14	1.62	0.25	0.0	373.19	205.00

58.000	1630.00	465.10	0.0	7.66	0.0	199.83	930.00
58.000	2643.00	466.09	0.89	7.20	0.0	218.41	930.00
58.000	3062.00	466.35	0.26	6.82	0.0	215.44	930.00
58.000	4332.00	467.12	0.77	5.98	0.0	224.16	930.00

59.000	1505.00	474.70	0.0	9.60	0.0	221.22	2380.00
59.000	2471.00	476.48	1.78	10.39	0.0	263.86	2350.00
59.000	2877.00	477.13	0.65	10.78	0.0	279.12	2350.00
59.000	4109.00	478.73	1.60	11.61	0.0	316.98	2350.00

60.000	1511.00	477.88	0.0	3.18	0.0	151.01	735.00
60.000	2475.00	479.03	1.15	2.55	0.0	186.91	735.00
60.000	2880.00	479.47	0.44	2.34	0.0	200.73	735.00
60.000	4107.00	480.65	1.18	1.93	0.0	239.25	735.00

61.200	1511.00	478.29	0.0	0.41	0.0	115.00	90.00
61.200	2475.00	479.40	1.10	0.37	0.0	160.30	90.00
61.200	2880.00	479.81	0.41	0.34	0.0	177.69	90.00
61.200	4107.00	480.92	1.11	0.27	0.0	224.25	90.00

61.300	1511.00	479.89	0.0	1.60	0.0	180.86	20.00
61.300	2475.00	481.16	1.27	1.77	0.0	234.67	20.00
61.300	2880.00	481.55	0.39	1.74	0.0	251.00	20.00
61.300	4107.00	482.41	0.86	1.49	0.0	287.73	20.00

61.400	1511.00	480.10	0.0	0.21	0.0	172.33	100.00
61.400	2475.00	481.35	1.26	0.19	0.0	225.46	100.00
61.400	2880.00	481.74	0.39	0.19	0.0	241.87	100.00
61.400	4107.00	482.61	0.87	0.20	0.0	279.13	100.00

62.000	1519.00	482.15	0.0	2.06	0.0	256.99	555.00
62.000	2484.00	483.29	1.14	1.94	0.0	281.61	555.00
62.000	2890.00	483.68	0.39	1.94	0.0	288.67	555.00
62.000	4115.00	484.67	0.99	2.06	0.0	306.61	555.00

63.000	1524.00	489.60	0.0	7.45	0.0	251.15	1435.00
63.000	2488.00	491.14	1.54	7.85	0.0	271.19	1435.00
63.000	2891.00	491.69	0.55	8.01	0.0	278.38	1435.00
63.000	4109.00	493.15	1.46	8.48	0.0	293.56	1435.00

64.200	1524.00	489.11	0.0	-0.49	0.0	20.96	110.00
64.200	2488.00	489.87	0.76	-1.27	0.0	20.98	110.00
64.200	2891.00	490.19	0.32	-1.50	0.0	20.98	110.00
64.200	4109.00	493.57	3.38	0.42	0.0	163.08	110.00

64.300	1524.00	489.18	0.0	0.07	0.0	20.96	20.00
64.300	2488.00	490.71	1.53	0.84	0.0	21.00	20.00

TOP - OF - FORM

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
64.400	1524.00	489.27	0.0	0.09	0.0	20.96	100.00
64.400	2488.00	490.89	1.62	0.18	0.0	20.96	100.00
64.400	2891.00	492.26	1.37	0.16	0.0	74.03	100.00
64.400	4109.00	494.00	1.73	0.46	0.0	154.15	100.00
65.000	1127.00	496.09	0.0	6.82	0.0	171.24	1820.00
65.000	1888.00	498.72	2.63	7.84	0.0	198.16	1820.00
65.000	2223.00	499.45	0.72	7.18	0.0	205.19	1820.00
65.000	3216.00	501.77	2.33	7.78	0.0	228.20	1820.00
66.000	1123.00	505.45	0.0	9.36	0.0	320.38	1540.00
66.000	1877.00	505.88	0.43	7.15	0.0	344.28	1540.00
66.000	2209.00	506.23	0.35	6.78	0.0	361.57	1540.00
66.000	3190.00	507.09	0.86	5.32	0.0	395.43	1540.00
67.000	1085.00	511.38	0.0	5.93	0.0	301.85	1190.00
67.000	1819.00	512.82	1.44	6.94	0.0	317.09	1190.00
67.000	2145.00	513.25	0.43	7.02	0.0	321.85	1190.00
67.000	3105.00	514.34	1.09	7.24	0.0	332.95	1190.00
68.000	950.00	517.17	0.0	5.79	0.0	282.72	1460.00
68.000	1631.00	518.29	1.12	5.47	0.0	293.94	1460.00
68.000	1940.00	518.78	0.48	5.53	0.0	298.74	1460.00
68.000	2857.00	520.02	1.24	5.68	0.0	311.15	1460.00
69.200	950.00	518.46	0.0	1.29	0.0	254.55	280.00
69.200	1631.00	519.68	1.22	1.39	0.0	279.12	280.00
69.200	1940.00	520.16	0.48	1.39	0.0	288.80	280.00
69.200	2857.00	521.40	1.24	1.39	0.0	313.66	280.00
69.300	950.00	522.73	0.0	4.27	0.0	332.40	40.00
69.300	1631.00	523.61	0.88	3.93	0.0	350.12	40.00
69.300	1940.00	523.89	0.28	3.73	0.0	357.29	40.00
69.300	2857.00	524.54	0.65	3.14	0.0	375.26	40.00
69.400	950.00	522.74	0.0	0.01	0.0	326.53	30.00
69.400	1631.00	523.63	0.89	0.02	0.0	346.45	30.00
69.400	1940.00	523.92	0.28	0.03	0.0	352.28	30.00
69.400	2857.00	524.59	0.67	0.04	0.0	370.94	30.00
70.000	855.00	523.60	0.0	0.86	0.0	134.37	950.00
70.000	1494.00	525.07	1.47	1.43	0.0	158.34	950.00
70.000	1790.00	525.61	0.54	1.69	0.0	167.18	950.00
70.000	2673.00	526.97	1.36	2.38	0.0	189.31	950.00
71.200	855.00	524.20	0.0	0.60	0.0	134.67	50.00
71.200	1494.00	525.56	1.36	0.50	0.0	157.17	50.00
71.200	1790.00	526.09	0.52	0.48	0.0	165.81	50.00
71.200	2673.00	527.41	1.32	0.44	0.0	187.78	50.00
71.300	855.00	528.18	0.0	3.97	0.0	194.04	50.00
71.300	1494.00	528.92	0.74	3.35	0.0	206.25	50.00
71.300	1790.00	529.19	0.27	3.10	0.0	210.81	50.00
71.300	2673.00	529.90	0.71	2.49	0.0	222.72	50.00

TOP - OF - FORM

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
71.400	855.00	528.22	0.0	0.04	0.0	191.29	50.00

SECNO	WSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
71.400	855.00	528.22	0.0	0.0	191.29	50.00
71.400	1494.00	529.00	0.78	0.09	204.33	50.00
71.400	1790.00	529.29	0.29	0.11	209.23	50.00
71.400	2673.00	530.07	0.77	0.16	222.11	50.00
72.000	789.00	530.38	0.0	2.16	222.65	1265.00
72.000	1396.00	531.99	1.61	2.99	269.51	1265.00
72.000	1681.00	532.55	0.56	3.26	281.55	1265.00
72.000	2533.00	533.93	1.38	3.87	310.64	1265.00
73.200	789.00	530.67	0.0	0.30	230.34	55.00
73.200	1396.00	532.18	1.51	0.20	276.92	55.00
73.200	1681.00	532.73	0.55	0.18	288.20	55.00
73.200	2533.00	534.09	1.36	0.16	316.32	55.00
73.300	789.00	535.12	0.0	4.44	327.19	40.00
73.300	1396.00	535.78	0.64	3.87	348.94	40.00
73.300	1681.00	535.98	0.23	3.25	354.36	40.00
73.300	2533.00	536.54	0.56	2.45	374.58	40.00

SUMMARY OF ERRORS

CAUTION SECNO= 571.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 571.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 571.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
 CAUTION SECNO= 64.200 PROFILE= 3 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 64.200 PROFILE= 3 MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 64.200 PROFILE= 4 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 64.200 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 64.200 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL
 CAUTION SECNO= 64.300 PROFILE= 4 WSEL ASSUMED BASED ON MIN DIFF
 CAUTION SECNO= 64.300 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL
 CAUTION SECNO= 64.400 PROFILE= 4 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 64.400 PROFILE= 4 MINIMUM SPECIFIC ENERGY

--- TOP OF FORM ---

FLOOD INSURANCE ZONE DATA FOR LITTLE LONG CR

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND X		
		10	2	0.2
48.010	0.	-3.16	-0.81	0.29
48.200	57.	-3.08	-0.77	0.62
48.250	58.	-3.14	-0.79	0.45
48.300	59.	-3.09	-0.78	0.53
49.200	128.	-3.09	-0.77	0.67
49.300	148.	-3.45	-0.95	0.98
49.400	198.	-3.46	-0.90	1.00
50.000	1038.	-3.13	-0.82	1.20
51.000	1493.	-2.62	-0.73	1.06
52.200	1633.	-2.38	-0.58	1.15
52.300	1653.	-3.80	-1.21	4.67
52.400	1983.	-4.68	-1.30	1.60

