

SUMMARY PRINTOUT \*\*\*\*\* THIS IS THE GOOD FLOODWAY RUN SAVE \*\*\*\*\*

BRANSONS BR ABOVE LAKE F

SECNO	CHSEL	Q	ELMIN	EG	HV	DIFWSP
1.00	122.12	1810.00	119.60	123.38	1.27	0
2.00	123.51	1810.00	110.00	123.51	.00	0
3.00	123.51	1810.00	110.00	123.51	.00	0
4.00	123.51	1810.00	110.00	123.51	.00	0
5.00	123.51	1810.00	110.00	123.51	.00	0
10.00	123.51	1810.00	110.00	123.51	.00	0
20.00	123.51	1810.00	110.00	123.51	.00	0
50.00	123.51	1810.00	110.00	123.51	.00	0
1500.00	123.51	1740.00	115.00	123.51	.00	0
3000.00	123.52	1680.00	117.00	123.55	.03	0
3300.00	123.55	1680.00	116.30	123.59	.03	0
3350.00	123.65	1680.00	116.30	123.74	.08	0
3350.00	126.45	1680.00	116.30	126.67	.22	0
3355.00	126.61	1680.00	116.30	126.69	.08	0
3360.00	126.61	1680.00	116.30	126.69	.08	0
3400.00	126.64	1680.00	116.30	126.71	.07	0
3650.00	126.79	1680.00	119.30	127.02	.22	0
3700.00	126.35	1680.00	119.30	127.29	.94	0
3750.00	128.47	1680.00	119.30	129.51	1.04	0
3751.00	129.43	1680.00	119.30	129.60	.17	0
3755.00	129.43	1680.00	119.30	129.61	.17	0
3760.00	129.44	1680.00	119.30	129.61	.17	0
3800.00	129.50	1680.00	119.30	129.66	.17	0
4175.00	129.98	1620.00	119.80	130.08	.09	0
4550.00	130.32	1620.00	119.80	130.40	.08	0
4900.00	130.59	1620.00	119.80	130.67	.08	0
5250.00	130.82	1620.00	121.60	131.00	.17	0

SECNO	CWSEL	Q	ELMIN	EQ	HV	DIFWSP
5251.00	130.79	1620.00	121.60	131.02	.23	0
5300.00	131.51	1620.00	121.60	131.69	.18	0
5301.00	131.57	1620.00	121.60	131.70	.13	0
5302.00	131.57	1620.00	121.60	131.70	.13	0
5305.00	131.57	1620.00	121.60	131.70	.13	0
5310.00	131.57	1620.00	121.60	131.71	.13	0
5350.00	131.60	1620.00	121.60	131.73	.13	0
5550.00	131.79	1620.00	122.30	131.87	.08	0
5725.00	131.90	1620.00	123.00	131.98	.08	0
6050.00	132.15	1480.00	124.20	132.26	.11	0
6350.00	132.53	990.00	126.20	132.58	.06	0
6550.00	132.75	990.00	127.20	132.83	.08	0
6650.00	132.91	990.00	127.50	133.00	.09	0
6750.00	133.10	990.00	127.80	133.19	.09	0
6850.00	133.30	990.00	128.10	133.40	.10	0
6950.00	133.53	990.00	128.60	133.65	.12	0
7050.00	133.81	990.00	128.80	133.92	.11	0
7200.00	134.31	990.00	130.00	134.57	.26	0
7450.00	136.19	990.00	131.00	137.31	1.12	0
7500.00	137.18	940.00	131.50	137.82	.64	0
7750.00	138.89	940.00	133.50	139.08	.19	0
8350.00	141.17	880.00	135.50	141.30	.13	0
8750.00	142.74	880.00	137.00	143.01	.27	0
9590.00	146.73	810.00	141.00	146.99	.26	0
10400.00	150.89	780.00	143.80	151.58	.69	0
11050.00	154.04	750.00	145.40	154.21	.17	0
* 11800.00	157.51	710.00	149.00	158.42	.91	0
12200.00	158.76	710.00	151.80	159.13	.37	0
* 12250.00	172.79	710.00	151.80	172.79	.01	0

SECNO	CHSEL	Q	ELMIN	EG	HV	DIFWSP
12265.00	172.79	710.00	160.00	172.79	.00	0
13115.00	172.80	640.00	160.00	172.80	.00	0
* 13465.00	172.17	640.00	167.30	174.24	2.07	0
* 13500.00	178.20	640.00	167.30	178.38	.18	0
13550.00	178.35	640.00	167.30	178.40	.05	0
13850.00	178.44	640.00	172.00	178.51	.07	0
* 14300.00	179.31	580.00	176.00	180.02	.71	0
14800.00	185.05	580.00	181.50	185.22	.18	0
* 15300.00	190.62	530.00	185.00	191.98	1.36	0
* 15350.00	195.42	530.00	185.00	195.54	.11	0
15400.00	195.50	530.00	185.00	195.56	.05	0
15900.00	195.63	530.00	187.00	195.67	.04	0
* 16400.00	196.05	500.00	193.00	196.77	.71	0
16750.00	199.02	500.00	194.60	199.16	.14	0
17050.00	200.36	500.00	196.60	200.59	.24	0
17350.00	202.71	470.00	199.00	203.19	.48	0
* 17650.00	204.14	470.00	199.50	205.98	1.84	0
* 17700.00	207.65	470.00	199.50	207.97	.32	0
17750.00	207.93	470.00	199.50	208.00	.07	0
18000.00	208.09	470.00	204.00	208.26	.17	0
18300.00	209.52	440.00	206.00	209.79	.27	0
18650.00	211.91	440.00	207.60	212.44	.53	0
18950.00	213.60	440.00	208.60	213.87	.26	0
* 19250.00	215.94	440.00	212.00	216.96	1.02	0

SUMMARY PRINTOUT

BRANSONS BR ABOVE LAKE F

SECNO	DIFWSP	SSTA	STCHL	STCHR	ENDST	TOPWID
1.00	0	598.40	598.00	679.00	802.65	83.45
2.00	0	27.45	50.00	760.00	796.94	769.48
3.00	0	27.44	50.00	760.00	796.94	769.50
4.00	0	27.44	50.00	760.00	796.94	769.50
5.00	0	27.44	50.00	760.00	796.94	769.50
10.00	0	27.44	50.00	760.00	796.94	769.50
20.00	0	27.44	50.00	760.00	796.94	769.50
50.00	0	27.44	50.00	760.00	796.94	769.50
1500.00	0	45.41	75.00	480.00	602.69	557.27
3000.00	0	69.61	130.00	310.00	408.99	339.38
3300.00	0	169.79	179.50	200.00	461.50	291.71
3350.00	0	168.88	179.50	200.00	461.76	292.89
3350.00	0	179.50	179.50	200.00	289.75	110.25
3355.00	0	133.13	179.50	200.00	289.75	156.62
3360.00	0	133.10	179.50	200.00	289.75	156.65
3400.00	0	132.63	179.50	200.00	289.75	157.12
3650.00	0	243.51	282.00	317.00	399.50	155.99
3700.00	0	254.26	288.10	310.90	399.50	145.24
3750.00	0	288.10	288.10	310.90	310.90	22.80
3751.00	0	249.50	288.10	310.90	349.50	100.00
3755.00	0	249.50	288.10	310.90	349.50	100.00
3760.00	0	249.50	288.10	310.90	349.50	100.00
3800.00	0	249.50	288.10	310.90	349.50	100.00
4175.00	0	256.50	300.00	313.00	356.50	100.00
4550.00	0	256.50	300.00	313.00	356.50	100.00
4900.00	0	256.50	300.00	313.00	356.50	100.00
5250.00	0	447.50	475.00	520.00	547.50	100.00

SECNO	DIFWSP	SSTA	STCHL	STCHR	ENDST	TOPWID
5251.00	0	447.50	475.00	520.00	547.50	100.00
5300.00	0	447.50	475.00	520.00	547.50	100.00
5301.00	0	447.50	475.00	520.00	547.50	100.00
5302.00	0	447.50	475.00	520.00	547.50	100.00
5305.00	0	447.50	475.00	520.00	547.50	100.00
5310.00	0	447.50	475.00	520.00	547.50	100.00
5350.00	0	447.50	475.00	520.00	547.50	100.00
5550.00	0	55.50	0	113.00	155.50	100.00
5725.00	0	156.50	198.00	215.00	256.50	100.00
6050.00	0	156.50	198.00	215.00	256.50	100.00
6350.00	0	246.50	298.00	315.00	366.50	120.00
6550.00	0	246.50	298.00	315.00	366.50	120.00
6650.00	0	246.50	298.00	315.00	366.50	120.00
6750.00	0	246.50	298.00	315.00	366.50	120.00
6850.00	0	246.50	298.00	315.00	366.50	120.00
6950.00	0	246.50	298.00	315.00	366.50	120.00
7050.00	0	246.50	298.00	315.00	366.50	120.00
7200.00	0	240.00	295.00	305.00	338.81	98.81
7450.00	0	276.54	290.00	315.00	362.50	85.96
7500.00	0	377.45	390.00	415.00	423.96	46.51
7750.00	0	147.50	200.00	215.00	267.50	120.00
8350.00	0	147.50	200.00	215.00	267.50	120.00
8750.00	0	173.57	200.00	213.00	266.50	92.93
9590.00	0	57.14	100.00	114.00	167.00	109.86
10400.00	0	81.54	100.00	112.00	166.00	84.46
11050.00	0	76.27	100.00	112.00	166.00	89.73
* 11800.00	0	170.74	173.00	185.00	239.00	68.26
12200.00	0	175.95	185.00	210.00	212.11	36.16
* 12250.00	0	137.50	185.00	210.00	257.50	120.00

SECNO	DIFWSP	SSTA	STCHL	STCHR	ENDST	TOPWID
12265.00	0	142.50	85.00	320.00	262.50	120.00
13115.00	0	61.50	51.00	192.00	181.50	120.00
* 13465.00	0	385.23	396.00	405.20	419.89	34.66
* 13500.00	0	360.60	396.00	405.20	440.60	80.00
13550.00	0	360.60	396.00	405.20	440.60	80.00
13850.00	0	160.00	195.00	205.00	240.00	80.00
* 14300.00	0	160.00	195.00	205.00	240.00	80.00
14800.00	0	262.80	300.00	304.00	342.00	80.00
* 15300.00	0	282.02	296.00	300.00	338.00	55.98
* 15350.00	0	258.00	296.00	300.00	338.00	80.00
15400.00	0	260.00	295.00	305.00	340.00	80.00
15900.00	0	270.00	305.00	315.00	350.00	80.00
* 16400.00	0	68.00	103.00	113.00	145.68	77.68
16750.00	0	63.00	100.00	106.00	143.00	80.00
17050.00	0	63.00	100.00	106.00	137.38	74.38
17350.00	0	100.00	135.00	145.00	177.04	77.04
* 17650.00	0	293.03	295.00	303.00	332.39	39.37
* 17700.00	0	259.00	295.00	303.00	339.00	80.00
17750.00	0	259.00	295.00	303.00	339.00	80.00
18000.00	0	75.00	110.00	120.00	155.00	80.00
18300.00	0	75.00	110.00	120.00	155.00	80.00
18650.00	0	182.81	200.00	211.00	245.50	62.69
18950.00	0	179.56	200.00	211.00	245.50	65.94
* 19250.00	0	72.35	100.00	110.00	117.47	45.12

POSSIBLE ERROR SECNO# 1.00 PROFILE# 1 CRITICAL DEPTH ASSUMED

POSSIBLE ERROR SECNO# 3350.00 PROFILE# 1 CRITICAL DEPTH ASSUMED

POSSIBLE ERROR SECNO# 3350.00 PROFILE# 1 20 TRIALS REQUIRED TO BALANCE WSEL

POSSIBLE ERROR SECNO# 11800.00 PROFILE# 1 CRITICAL DEPTH ASSUMED

POSSIBLE ERROR SECNO# 13465.00 PROFILE# 1 CRITICAL DEPTH ASSUMED

POSSIBLE ERROR SECNO# 13465.00 PROFILE# 1 20 TRIALS REQUIRED TO BALANCE WSEL

POSSIBLE ERROR SECNO# 14300.00 PROFILE# 1 CRITICAL DEPTH ASSUMED

POSSIBLE ERROR	SECNO#	14300.00	PROFILE#	1	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO#	15300.00	PROFILE#	1	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO#	15300.00	PROFILE#	1	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO#	16400.00	PROFILE#	1	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO#	16400.00	PROFILE#	1	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO#	17650.00	PROFILE#	1	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO#	17650.00	PROFILE#	1	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO#	19250.00	PROFILE#	1	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO#	19250.00	PROFILE#	1	20 TRIALS REQUIRED TO BALANCE WSEL

.....  
INTERACTIVE HEC2 VERSION UPDATED SEPT 1976  
ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09,10  
MODIFICATIONS 50,51,52,53,54,55,56,57,58,59  
.....

.....  
\* AS OF 2 SEPT 1976, THE PROGRAM HAS BEEN UPDATED TO INCLUDE MODIFICATION 59 AND ERROR CORRECTION 10. THE PURPOSE OF  
\* ICATION 59 IS TO

\* (1) PROVIDE A NEW INTERPOLATION SCHEME FOR CALCULATING ENCROACHMENT STATIONS BY METHODS 3 AND 4. PREVIOUSLY, L  
\* INTERPOLATION WAS USED TO CALCULATE ENCROACHMENTS. NOW THE INTERPOLATION IS BASED ON A PARABOLIC APPROXIM  
\* OF CONVEYANCE VERSUS DISTANCE,

\* (2) FURTHER DEVELOPMENT OF MODIFICATION 54 WHICH PROVIDES FOR THE NH CARD TO VARY #N# VALUES IN THE CHANNEL. T  
\* PROGRAM WILL NOW ALLOW BOTH A CHANGE IN #N# VALUES IN THE CHANNEL (MOD. 54 AS PRESENTLY USED) AND, IF NO #N  
\* VARIATION IS DEFINED IN THE CHANNEL WHEN THE NH CARD IS USED, THE CHANNEL WILL NOT BE SEGMENTED FOR FLOW CO  
\* TATION. THIS MODIFICATION ALLOWS MORE FLEXIBILITY,

\* (3) COMMENT CARDS (C CARDS) ARE NOW PRINTED IN THE DATA LISTING.

\* (4) EXPANDS PRINTOUT OF THE SPECIAL BRIDGE ROUTINE TO INCLUDE TRAPEZOIDAL CALCULATIONS FOR OUTPUT ANALYSIS. STA  
\* TESTS RELATING TO THE SPECIAL BRIDGE ROUTINE WILL BE AFFECTED BY THIS CHANGE, THE PRINTOUT OF CALCULATED CH  
\* AREA IS BASED ON THE DEFINED TRAPEZOID UP TO THE BRIDGE WATER SURFACE ELEVATION, CALCULATED CHANNEL AREA SH  
\* BE CLOSE TO THE VALUE OF THE PREVIOUS SECTION'S CHANNEL AREA. TRAPEZOID/AREA IS THE AREA OF THE TRAPEZOID  
\* ELLC, TRAPEZOID/AREA SHOULD BE CLOSE TO INPUT ITEM BAREA, PLEASE NOTE THAT NUMERICAL RESULTS WILL NOT BE A

\* (5) THE FLOW DISTRIBUTION PRINTOUT MAY NOW BE REQUESTED FOR ANY PARTICULAR SECTION (X2 CARD WITH 15 IN 10TH FIE

\* THE PURPOSE OF ERROR CORRECTION 10 IS TO

\* (1) ALLOW THE USE OF THE EFFECTIVE AREA OPTION WHEN FLOW IS PRESSURE AND WEIR FLOW,

\* (2) CORRECT THE WETTED PERIMETER CALCULATION IN THE NORMAL BRIDGE ROUTINE.

\* (3) ACCOUNT FOR THE VERTICAL WALL AT THE ENCROACHMENT STATION WHEN CALCULATING CONVEYANCE.

\* A FORMAL CHANGE NOTICE CONCERNING THE ABOVE WILL BE MAILED IN APPROXIMATELY ONE MONTH. ANY QUESTIONS ABOUT THESE P  
\* CHANGES CAN BE DIRECTED TO ALLAN OTO (FTS 448-2105 OR 448-3292),  
.....



C  
 T1 FPMS BR FAYETTEVILLE FIS  
 T2 FLOODWAY  
 T3 BRANSONS BR ABOVE LAKE FOREST

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-1.	3.	-0	*0	-1.000000	*0	-0	-0	-0	*0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	CHNIM	ITRACE
	-1.000	*0	-1.000	*0	*0	*0	-0	-0	-0	*0
J3	-2.000	1,000	43,000	42,000	4,000	10,000	50,000	0	38,000	50,000
J3	53,000	21,000	22,000	54,000	4,000	0	0	-0	-0	-0
NC	.030	.030	.015	.100	.300	-0	0	-0	-0	-0
QT	7,000	1810,000	1810,000	1810,000	1810,000	720,000	1400,000	3230,000	-0	-0

\*\*\*\* FOREST HILLS LAKE \*\*\*\*

X1	1,000	21,000	598,000	679,000	0	0	0	-0	-0	0
GR	129,300	80,000	126,700	100,000	123,900	150,000	123,700	200,000	123,300	250,000
GR	123,800	300,000	124,200	350,000	123,100	400,000	123,100	450,000	123,800	500,000
GR	124,000	550,000	123,800	598,000	119,600	599,000	119,600	678,000	123,600	679,000
GR	123,800	700,000	123,500	750,000	122,100	800,000	122,400	850,000	124,100	900,000
GR	125,900	950,000	-0	-0	-0	-0	-0	-0	-0	-0
NC	.060	.060	.030	-0	-0	-0	-0	-0	-0	-0
X1	2,000	11,000	50,000	760,000	1,000	1,000	1,000	-0	-0	-0
GR	128,000	0	126,000	10,000	124,000	25,000	122,000	35,000	120,000	40,000
GR	119,000	50,000	110,000	300,000	110,000	600,000	119,000	760,000	120,000	775,000
GR	128,000	825,000	-0	-0	-0	-0	-0	-0	-0	-0
X1	3,000	-0	-0	-0	1,000	1,000	1,000	-0	-0	-0
X1	4,000	-0	-0	-0	1,000	1,000	1,000	-0	-0	-0
X1	5,000	-0	-0	-0	1,000	1,000	1,000	-0	-0	-0
X1	10,000	-0	-0	-0	2,000	5,000	5,000	-0	-0	-0
X1	20,000	-0	-0	-0	10,000	10,000	10,000	-0	-0	-0
X1	50,000	-0	-0	-0	30,000	30,000	30,000	-0	-0	-0
QT	7,000	1740,000	1740,000	1740,000	1740,000	700,000	1340,000	3110,000	-0	-0
X1	1500,000	8,000	75,000	480,000	1500,000	1500,000	1500,000	-0	-0	-0
GR	130,000	0	120,000	70,000	119,000	75,000	115,000	200,000	115,000	400,000
GR	119,000	480,000	120,000	550,000	130,000	700,000	-0	-0	-0	-0
QT	7,000	1680,000	1680,000	1680,000	1680,000	660,000	1280,000	3000,000	-0	-0
X1	3000,000	11,000	130,000	310,000	1500,000	1500,000	1500,000	-0	-0	-0

GR	126.000	150.000	117.000	250.000	119.000	310.000	120.000	340.000	122.000	390.000
GR	117.000	150.000	117.000	250.000	119.000	310.000	120.000	340.000	122.000	390.000
GR	126.000	440.000	-0	-0	-0	-0	-0	-0	-0	-0

X1	3300.000	20.000	179,500	200,000	300,000	300,000	300,000	-0	-0	-0
GR	135,100	0	131,400	50,000	128,400	100,000	125,700	150,000	122,500	179,500
GR	116,300	179,500	116,300	200,000	119,300	216,000	120,200	218,000	120,400	250,000
GR	120,000	300,000	117,300	350,000	117,100	400,000	119,200	450,000	124,500	464,000
GR	125,400	474,000	125,600	490,000	125,200	500,000	126,400	540,000	130,000	650,000
NC	.060	.060	.015	-0	-0	-0	.00	-0	-0	-0

\*\*\*\* WINTERLOCHEN ROAD \*\*\*\*

X1	3350.000	-0	179,500	200,000	50,000	50,000	50,000	-0	-0	-0
X3	10.000	-0	-0	-0	-0	-0	-0	123,600	123,600	-0
SB	1,250	1,620	2,600	0	20,500	.500	150,000	0	-0	-0
ET	-0	-0	200,200	-0	-0	-0	-0	-0	-0	-0

\*\*\*\* RAEFORD ROAD \*\*\*\*

X1	3350.000	-0	179,500	200,000	50,000	50,000	50,000	-0	-0	-0
X2	-0	-0	1,000	123,600	126,400	-0	-0	-0	-0	-0
X3	10.000	-0	-0	-0	-0	-0	-0	127,400	125,000	-0
BT	10,000	0	136,500	123,600	100,000	129,700	123,600	150,000	127,900	123,600
BT	179,500	127,400	123,600	200,000	127,100	123,600	300,000	126,800	123,600	450,000
BT	126,700	123,600	500,000	126,400	123,600	540,000	126,400	123,600	650,000	130,000
BT	123,600	-0	-0	-0	-0	-0	-0	-0	-0	-0
NC	.080	.080	.050	-0	-0	-0	-0	-0	-0	-0

X1	3355.000	-0	179,500	200,000	5,000	5,000	5,000	-0	-0	-0
----	----------	----	---------	---------	-------	-------	-------	----	----	----

X1	3360.000	-0	179,500	200,000	5,000	5,000	5,000	-0	-0	-0
----	----------	----	---------	---------	-------	-------	-------	----	----	----

X1	3400.000	-0	179,500	200,000	40,000	40,000	40,000	-0	-0	-0
----	----------	----	---------	---------	--------	--------	--------	----	----	----

X1	3650.000	19.000	282,000	317,000	250,000	250,000	250,000	-0	-0	-0
GR	129,600	50,000	129,400	100,000	129,200	150,000	128,100	200,000	126,600	250,000
GR	124,400	282,000	119,300	288,000	119,300	300,000	119,300	315,000	123,100	317,000
GR	123,200	350,000	123,500	400,000	123,700	450,000	124,100	500,000	124,700	550,000
GR	125,700	600,000	127,700	650,000	128,700	700,000	135,000	800,000	-0	-0
NC	.080	.080	.015	-0	-0	-0	-0	-0	-0	-0

X1	3700.000	19.000	288,100	310,900	50,000	50,000	50,000	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	126,300	126,300	-0
GR	129,600	50,000	129,400	100,000	129,200	150,000	128,100	200,000	126,600	250,000
GR	124,400	288,100	119,300	289,000	119,300	300,000	119,300	310,000	123,100	310,900
GR	123,200	350,000	123,500	400,000	123,700	450,000	124,100	500,000	124,700	550,000
GR	125,700	600,000	127,700	650,000	128,700	700,000	135,000	800,000	-0	-0
SB	1,250	1,600	2,600	0	22,800	.800	147,000	0	119,300	119,000
ET	-0	-0	100,200	-0	-0	-0	-0	-0	-0	-0

\*\*\*\* MCBAIN STREET \*\*\*\*

X1	3750.000	-0	288,100	310,900	50,000	50,000	50,000	-0	-0	-0
X2	-0	-0	1,000	126,300	129,400	-0	-0	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	129,400	129,400	-0
BT	6,000	50,000	129,600	126,300	288,100	129,400	126,300	310,900	129,400	126,300

GN	126.000		124.000	250.000	124.000	100.000	120.000	120.000	119.000	130.000
GR	117.000	150.000	117.000	250.000	119.000	310.000	120.000	340.000	122.000	390.000
GR	126.000	440.000	-0	-0	-0	-0	-0	-0	-0	-0
X1	3300.000	20.000	179,500	200.000	300.000	300.000	300.000	-0	-0	-0
GR	135,100	0	131,400	50,000	128,400	100,000	125,700	150,000	122,500	179,500
GR	116,300	179,500	116,300	200,000	119,300	216,000	120,200	218,000	120,400	250,000
GR	120,000	300,000	117,300	350,000	117,100	400,000	119,200	450,000	124,500	464,000
GR	125,400	474,000	125,600	490,000	125,200	500,000	126,400	540,000	130,000	650,000
NC	.060	.060	.015	-0	-0	-0	-0	-0	-0	-0

\*\*\*\* WINTERLOCHEN ROAD \*\*\*\*

X1	3350.000	-0	179,500	200.000	50.000	50.000	50.000	-0	-0	-0
X3	10.000	-0	-0	-0	-0	-0	-0	123.600	123.600	-0
SB	1.250	1.620	2,600	0	20,500	.500	150.000	0	-0	-0
ET	-0	-0	200,200	-0	-0	-0	-0	-0	-0	-0

\*\*\*\* RAEFORD ROAD \*\*\*\*

X1	3350.000	-0	179,500	200.000	50.000	50.000	50.000	-0	-0	-0
X2	-0	-0	1,000	123,600	126,400	-0	-0	-0	-0	-0
X3	10.000	-0	-0	-0	-0	-0	-0	127.400	125,000	-0
BT	10.000	0	136,500	123,600	100,000	129,700	123,600	150,000	127,900	123,600
BT	179,500	127,400	123,600	200,000	127,100	123,600	300,000	126,800	123,600	450,000
BT	126,700	123,600	500,000	126,400	123,600	540,000	126,400	123,600	650,000	130,000
BT	123,600	-0	-0	-0	-0	-0	-0	-0	-0	-0
NC	.080	.080	.050	-0	-0	-0	-0	-0	-0	-0

X1	3355.000	-0	179,500	200.000	5.000	5.000	5.000	-0	-0	-0
----	----------	----	---------	---------	-------	-------	-------	----	----	----

X1	3360.000	-0	179,500	200.000	5.000	5.000	5.000	-0	-0	-0
----	----------	----	---------	---------	-------	-------	-------	----	----	----

X1	3400.000	-0	179,500	200.000	40.000	40.000	40.000	-0	-0	-0
----	----------	----	---------	---------	--------	--------	--------	----	----	----

X1	3650.000	19.000	282,000	317,000	250,000	250,000	250,000	-0	-0	-0
GR	129,600	50,000	129,400	100,000	129,200	150,000	128,100	200,000	126,600	250,000
GR	124,400	282,000	119,300	288,000	119,300	300,000	119,300	315,000	123,100	317,000
GR	123,200	350,000	123,500	400,000	123,700	450,000	124,100	500,000	124,700	550,000
GR	125,700	600,000	127,700	650,000	128,700	700,000	135,000	800,000	-0	-0
NC	.080	.080	.015	-0	-0	-0	-0	-0	-0	-0

X1	3700.000	19.000	288,100	310,900	50.000	50.000	50.000	-0	-0	-0
X3	10.000	-0	-0	-0	-0	-0	-0	126,300	126,300	-0
GR	129,600	50,000	129,400	100,000	129,200	150,000	128,100	200,000	126,600	250,000
GR	124,400	288,100	119,300	289,000	119,300	300,000	119,300	310,000	123,100	310,900
GR	123,200	350,000	123,500	400,000	123,700	450,000	124,100	500,000	124,700	550,000
GR	125,700	600,000	127,700	650,000	128,700	700,000	135,000	800,000	-0	-0
SB	1.250	1.600	2,600	0	22,800	.800	147,000	0	119,300	119,000
ET	-0	-0	100,200	-0	-0	-0	-0	-0	-0	-0

\*\*\*\* MCBAIN STREET \*\*\*\*

X1	3750.000	-0	288,100	310,900	50.000	50.000	50.000	-0	-0	-0
X2	-0	-0	1,000	126,300	129,400	-0	-0	-0	-0	-0
X3	10.000	-0	-0	-0	-0	-0	-0	129,400	129,400	-0
BT	6.000	50.000	129,600	126,300	288,100	129,400	126,300	310,900	129,400	126,300

	390,000	129,900	126,300	300,000	129,600	126,300	600,000	130,900	126,300	-0
BT	390,000	129,900	126,300	300,000	129,600	126,300	600,000	130,900	126,300	-0
NC	.000	.000	.050	-0	.00	-0	.00	-0	-0	-0
X1	3751.000	.00	288,100	310,900	1,000	1,000	1,000	-0	-0	-0
X1	3755.000	.00	288,100	310,900	4,000	4,000	4,000	-0	-0	-0
X1	3760.000	-0	288,100	310,900	5,000	5,000	5,000	-0	-0	-0
X1	3800.000	.00	288,100	310,900	40,000	40,000	40,000	-0	-0	-0
QT	7,000	1620,000	1620,000	1620,000	1620,000	630,000	1220,000	2880,000	-0	-0
X1	4175.000	16,000	300,000	313,000	375,000	375,000	375,000	-0	-0	-0
GR	128,000	32,000	125,000	50,000	123,100	75,000	124,000	125,000	123,900	175,000
GR	123,000	250,000	122,600	275,000	123,600	300,000	120,700	303,000	119,800	306,000
GR	120,200	310,000	123,400	313,000	122,600	325,000	122,600	350,000	122,000	400,000
GR	127,200	600,000	-0	-0	.00	-0	-0	-0	-0	-0
X1	4550.000	.00	300,000	313,000	375,000	375,000	375,000	-0	-0	-0
X1	4900.000	.00	300,000	313,000	350,000	350,000	350,000	-0	-0	-0
X1	5250.000	17,000	475,000	520,000	350,000	350,000	350,000	-0	-0	-0
X4	1,000	135,000	100,000	-0	.00	-0	-0	-0	-0	-0
GR	131,000	200,000	130,200	250,000	128,800	300,000	127,900	350,000	124,900	400,000
GR	125,600	450,000	126,100	475,000	121,800	482,000	121,600	500,000	122,600	513,000
GR	128,500	520,000	128,000	550,000	128,000	600,000	129,300	650,000	129,800	700,000
GR	132,600	750,000	134,400	800,000	-0	-0	-0	-0	-0	-0
NC	.080	.080	.025	.00	.00	-0	.00	-0	-0	-0
X1	5251.000	.00	482,000	500,000	1,000	1,000	1,000	-0	-0	-0
X3	10,000	-0	-0	-0	.00	-0	.00	128,000	128,000	-0
SB	1,250	1,670	2,600	0	18,000	1,300	126,000	0	119,400	119,000

\*\*\*\* CONFLUENCE WITH HYBART BRANCH \*\*\*\*

X1	5300.000	.00	.00	.00	49,000	49,000	49,000	-0	-0	-0
X2	-0	.00	1,000	126,000	130,400	-0	-0	-0	-0	-0
X3	10,000	.00	.00	-0	.00	-0	.00	130,500	130,500	-0
BT	8,000	100,000	135,000	126,000	250,000	131,300	125,000	400,000	130,400	126,000
BT	482,000	130,500	126,000	500,000	130,500	126,000	600,000	131,200	126,000	700,000
BT	132,300	126,000	800,000	134,700	126,000	-0	.00	-0	-0	-0
NC	.075	.075	.050	-0	.00	-0	-0	-0	-0	-0
X1	5301.000	.00	475,000	520,000	1,000	1,000	1,000	-0	-0	-0
X1	5302.000	.00	-0	-0	1,000	1,000	1,000	-0	-0	-0
X1	5305.000	.00	-0	-0	3,000	3,000	3,000	-0	-0	-0
X1	5310.000	.00	-0	.00	5,000	5,000	5,000	-0	-0	-0

X1	5350.000	-0	-0	-0	40.000	40.000	40.000	-0	-0	-0
X1	5550.000	14.000	98.000	113.000	200.000	200.000	200.000	-0	-0	-0
GR	130.000	0	130.000	40.000	128.000	55.000	126.000	70.000	124.000	80.000
GR	124.900	89.000	122.300	90.000	122.500	100.000	123.900	113.000	124.000	130.000
GR	126.000	250.000	128.000	270.000	130.000	305.000	140.000	430.000	-0	-0
X1	5725.000	11.000	198.000	215.000	175.000	175.000	175.000	-0	-0	-0
GR	130.000	50.000	128.000	65.000	126.000	90.000	124.000	140.000	124.000	198.000
GR	123.000	200.000	124.000	215.000	124.000	240.000	126.000	390.000	128.000	400.000
GR	130.000	415.000	-0	-0	-0	-0	-0	-0	-0	-0
QT	7.000	1480.000	1480.000	1480.000	1480.000	580.000	1130.000	2660.000	-0	-0
X1	6050.000	11.000	198.000	215.000	325.000	325.000	325.000	-0	-0	-0
GR	132.000	0	130.000	40.000	128.000	75.000	126.000	190.000	125.800	198.000
GR	124.200	200.000	125.800	215.000	126.000	235.000	128.000	285.000	130.000	410.000
GR	132.000	430.000	-0	-0	-0	-0	-0	-0	-0	-0
QT	7.000	990.000	990.000	990.000	990.000	370.000	740.000	1850.000	-0	-0
ET	-0	-0	120.200	-0	-0	-0	-0	-0	-0	-0
	****	TOP OF DAM	****							
X1	6350.000	13.000	298.000	315.000	300.000	300.000	300.000	-0	-0	-0
GR	136.000	15.000	134.000	40.000	132.000	60.000	130.000	80.000	128.000	140.000
GR	127.900	298.000	126.200	300.000	127.900	315.000	128.000	410.000	130.000	450.000
GR	132.000	525.000	134.000	560.000	136.000	620.000	-0	-0	-0	-0
X1	6550.000	-0	-0	-0	200.000	200.000	200.000	-0	1.000	-0
X1	6650.000	-0	-0	-0	100.000	100.000	100.000	-0	.300	-0
X1	6750.000	-0	-0	-0	100.000	100.000	100.000	-0	.300	-0
X1	6850.000	-0	-0	-0	100.000	100.000	100.000	-0	.300	-0
X1	6950.000	-0	-0	-0	100.000	100.000	100.000	-0	.500	-0
X1	7050.000	-0	-0	-0	100.000	100.000	100.000	-0	.200	-0
X1	7200.000	11.000	295.000	305.000	150.000	150.000	150.000	-0	-0	-0
GR	140.000	70.000	138.000	120.000	132.000	180.000	131.000	295.000	130.000	300.000
GR	131.000	305.000	132.000	320.000	134.000	335.000	136.000	360.000	138.000	375.000
GR	140.000	420.000	-0	-0	-0	-0	-0	-0	-0	-0
ET	-0	-0	120.200	-0	-0	-0	-0	-0	-0	-0
X1	7450.000	11.000	290.000	315.000	250.000	250.000	250.000	-0	.500	-0
GR	142.000	0	140.000	85.000	138.000	270.000	134.000	290.000	131.500	300.000
GR	131.500	310.000	134.000	312.000	136.000	315.000	138.000	455.000	140.000	470.000
GR	142.000	500.000	-0	-0	-0	-0	-0	-0	-0	-0
QT	7.000	940.000	940.000	940.000	940.000	350.000	710.000	1770.000	-0	-0
X1	7500.000	9.000	390.000	415.000	50.000	50.000	50.000	-0	-0	-0

GR	142,000	90,000	140,000	105,000	130,000	375,000	133,000	390,000	132,000	390,000
GR	131,500	400,000	133,000	415,000	140,000	430,000	150,000	470,000	-0	-0
X1	7750,000	10,000	200,000	215,000	250,000	120,000	250,000	-0	-0	-0
GR	142,000	100,000	140,000	120,000	138,000	135,000	136,000	180,000	136,000	200,000
GR	133,500	205,000	136,000	215,000	138,000	355,000	140,000	370,000	142,000	400,000
QT	7,000	880,000	880,000	880,000	880,000	330,000	670,000	1670,000	-0	-0
X1	8350,000	-0	-0	-0	600,000	600,000	600,000	-0	2,000	-0
X1	8750,000	9,000	200,000	213,000	400,000	400,000	400,000	-0	-0	-0
GR	160,000	65,000	150,000	130,000	140,000	190,000	140,000	200,000	137,000	205,000
GR	140,000	213,000	140,000	290,000	150,000	540,000	160,000	650,000	-0	-0
QT	7,000	810,000	810,000	810,000	810,000	300,000	610,000	1540,000	-0	-0
X1	9590,000	13,000	100,000	114,000	840,000	840,000	840,000	-0	-0	-0
GR	150,000	30,000	148,000	35,000	146,000	70,000	144,000	80,000	142,400	100,000
GR	141,100	102,000	141,000	107,000	141,100	109,000	142,300	114,000	144,000	120,000
GR	146,000	160,000	148,000	200,000	150,000	255,000	-0	-0	-0	-0
QT	7,000	780,000	780,000	780,000	780,000	280,000	590,000	1490,000	-0	-0
ET	-0	-0	120,200	-0	-0	-0	-0	-0	-0	-0
X1	10400,000	12,000	100,000	112,000	810,000	810,000	810,000	-0	-1,600	-0
GR	159,800	50,000	155,000	73,000	150,300	89,000	147,900	100,000	145,600	102,000
GR	145,400	104,000	145,600	106,000	150,600	112,000	152,200	150,000	152,700	200,000
GR	153,500	250,000	160,000	350,000	-0	-0	-0	-0	-0	-0
QT	7,000	750,000	750,000	750,000	750,000	270,000	560,000	1430,000	-0	-0
X1	11050,000	-0	-0	-0	650,000	650,000	650,000	-0	1,600	-0
QT	7,000	710,000	710,000	710,000	710,000	260,000	540,000	1360,000	-0	-0
X1	11800,000	14,000	173,000	185,000	750,000	750,000	750,000	-0	-0	-0
GR	170,000	0	168,000	15,000	166,000	45,000	164,000	80,000	162,000	125,000
GR	160,000	145,000	150,000	170,000	156,000	173,000	149,000	180,000	154,000	185,000
GR	156,000	190,000	158,000	275,000	160,000	360,000	170,000	435,000	-0	-0
NC	,040	,040	,020	-0	-0	-0	-0	-0	-0	-0
X1	12200,000	16,000	185,000	210,000	400,000	400,000	400,000	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	158,000	158,000	-0
GR	177,000	20,000	171,100	50,000	163,900	100,000	162,600	150,000	161,300	170,000
GR	154,900	185,000	153,500	195,000	153,000	198,000	151,800	210,000	157,600	210,000
GR	163,100	220,000	161,900	250,000	162,500	300,000	165,400	332,000	171,100	350,000
GR	177,000	370,000	-0	-0	-0	-0	-0	-0	-0	-0
SB	-0	1,400	2,500	-0	3,000	,300	9,500	-0	161,000	161,000

\*\*\*\* MURREY HILL RD. \*\*\*\*

X1	12250,000	-0	-0	-0	50,000	50,000	50,000	-0	-0	-0
X2	-0	-0	1,000	164,500	169,600	-0	-0	-0	-0	-0
X3	10,000	-0	-0	-0	-0	-0	-0	169,600	169,600	-0
BT	15,000	30,000	177,000	-0	70,000	171,800	-0	71,000	169,600	-0
BT	83,000	169,600	-0	84,000	172,000	-0	120,000	172,100	-0	170,000
BT	172,100	0	185,000	172,100	0	195,000	172,100	0	195,000	172,100
BT	164,500	198,000	172,100	164,500	198,000	172,100	0	210,000	172,100	0
BT	270,000	172,200	0	320,000	173,200	0	0	-0	-0	-0
NC	,080	,080	,050	-0	-0	-0	-0	-0	-0	-0

X1	12265.000	16.000	85.000	320.000	15.000	15.000	15.000	-0	-0	-0
GR	180.000	0	178.000	25.000	176.000	40.000	174.000	60.000	172.000	75.000
GR	170.000	80.000	168.500	85.000	160.000	175.000	160.000	280.000	168.500	320.000
GR	170.000	330.000	172.000	345.000	174.000	355.000	176.000	370.000	178.000	380.000
GR	180.000	390.000	-0	-0	-0	-0	-0	-0	-0	-0
QT	7.000	640.000	640.000	640.000	640.000	230.000	480.000	1240.000	-0	-0

X1	13115.000	-0	-0	-0	850.000	850.000	850.000	.600	-0	-0
NC	.080	.080	.015	-0	-0	-0	-0	-0	-0	-0

X1	13465.000	18.000	396.000	405.200	350.000	350.000	350.000	-0	-0	-0
X3	10.000	-0	-0	-0	-0	-0	-0	171.000	171.000	-0
GR	183.700	50.000	182.100	100.000	180.800	150.000	178.700	200.000	177.800	250.000
GR	176.700	300.000	174.300	350.000	172.000	388.000	169.800	390.000	167.300	396.000
GR	167.300	405.200	168.400	409.000	170.800	411.000	176.800	450.000	178.900	500.000
GR	180.700	550.000	184.300	600.000	185.800	620.000	-0	-0	-0	-0
SB	1.250	1.920	2.500	-0	9.200	1.000	29.000	-0	-0	-0
ET	-0	-0	80.200	-0	-0	-0	-0	-0	-0	-0

\*\*\*\* CLIFFDALE RD. \*\*\*\*

X1	13500.000	-0	-0	-0	35.000	35.000	35.000	-0	-0	-0
X2	-0	-0	1.000	170.800	177.500	-0	-0	-0	-0	-0
X3	10.000	-0	-0	-0	-0	-0	-0	177.500	177.500	-0
BT	8.000	50.000	184.100	-0	150.000	180.600	-0	250.000	178.400	-0
BT	350.000	177.500	-0	396.000	177.500	170.800	405.200	177.500	170.800	450.000
BT	178.300	-0	600.000	184.500	-0	-0	-0	-0	-0	-0
NC	.080	.080	.040	-0	-0	-0	-0	-0	-0	-0

X1	13550.000	-0	-0	-0	50.000	50.000	50.000	-0	-0	-0
----	-----------	----	----	----	--------	--------	--------	----	----	----

X1	13850.000	11.000	195.000	205.000	300.000	300.000	300.000	-0	-0	-0
GR	180.000	35.000	178.000	80.000	176.000	111.000	174.000	175.000	173.500	195.000
GR	172.000	200.000	173.500	205.000	174.000	235.000	176.000	255.000	178.000	280.000
GR	180.000	295.000	-0	-0	-0	-0	-0	-0	-0	-0
QT	7.000	580.000	580.000	580.000	580.000	200.000	440.000	1130.000	-0	-0

X1	14300.000	-0	-0	-0	450.000	450.000	450.000	-0	4.000	-0
----	-----------	----	----	----	---------	---------	---------	----	-------	----

X1	14800.000	13.000	300.000	304.000	500.000	500.000	500.000	-0	-0	-0
GR	191.500	77.000	189.700	100.000	188.500	150.000	186.100	200.000	184.100	250.000
GR	183.700	268.000	182.700	269.000	182.100	300.000	181.500	302.000	182.200	304.000
GR	182.900	350.000	183.200	361.000	188.500	385.000	-0	-0	-0	-0
NC	.100	.100	.025	-0	-0	-0	-0	-0	-0	-0
QT	7.000	530.000	530.000	530.000	530.000	180.000	400.000	1040.000	-0	-0

X1	15300.000	15.000	296.000	300.000	500.000	500.000	500.000	-0	-0	-0
GR	204.500	20.000	204.100	50.000	202.400	100.000	196.900	150.000	195.200	200.000
GR	194.600	250.000	190.500	283.000	187.000	296.000	185.000	300.000	185.100	305.000
GR	188.500	310.000	190.700	350.000	197.300	400.000	200.000	450.000	204.500	485.000
SB	.900	2.520	2.500	-0	4.000	1.000	9.600	-0	185.000	185.000

\*\*\*\* MORGANTON RD. \*\*\*\*

X1	15350.000	-0	-0	-0	50.000	50.000	50.000	-0	-0	-0
X2	-0	-0	1.000	188.500	194.200	-0	-0	-0	-0	-0

X3	10.000	-0	-0	-0	-0	-0	-0	194.200	194.200	-0
BT	10.000	100.000	202.400	-0	150.000	196.900	-0	200.000	195.200	-0
BT	250.000	194.600	-0	296.000	194.200	188.500	300.000	194.200	188.500	350.000
BT	194.500	-0	400.000	195.700	-0	450.000	200.000	-0	405.000	204.500
BT	0	-0	-0	-0	-0	-0	-0	-0	-0	-0
NC	.100	.100	.040	-0	-0	-0	-0	-0	-0	-0
X1	15400.000	15.000	295.000	305.000	50.000	50.000	50.000	-0	-0	-0
GR	204.500	20.000	204.100	50.000	202.400	100.000	196.900	150.000	195.200	200.000
GR	194.600	250.000	190.500	283.000	185.000	295.000	185.000	300.000	185.100	305.000
GR	188.500	310.000	190.700	350.000	195.300	400.000	200.000	450.000	204.500	485.000
X1	15900.000	13.000	305.000	315.000	500.000	500.000	500.000	-0	-0	-0
GR	200.000	0	198.000	45.000	196.000	100.000	194.000	160.000	192.000	215.000
GR	190.000	240.000	188.000	290.000	188.000	305.000	187.000	310.000	188.000	315.000
GR	188.000	320.000	190.000	330.000	200.000	380.000	-0	-0	-0	-0
QT	7.000	500.000	500.000	500.000	500.000	170.000	370.000	980.000	-0	-0
X1	16400.000	11.000	103.000	113.000	500.000	500.000	500.000	-0	-0	-0
GR	200.000	0	198.000	30.000	196.000	60.000	194.000	90.000	194.000	103.000
GR	193.000	100.000	194.000	113.000	194.000	120.000	196.000	145.000	198.000	170.000
GR	200.000	200.000	-0	-0	-0	-0	-0	-0	-0	-0
X1	16750.000	14.000	100.000	106.000	350.000	350.000	350.000	-0	-0	-0
GR	203.000	0	201.900	13.000	197.800	50.000	195.400	70.000	195.700	100.000
GR	194.800	101.000	194.600	104.000	195.100	105.000	195.800	106.000	195.800	122.000
GR	198.800	140.000	199.300	150.000	204.200	200.000	206.200	225.000	-0	-0
X1	17050.000	-0	-0	-0	300.000	300.000	300.000	-0	2.000	-0
QT	7.000	470.000	470.000	470.000	470.000	160.000	360.000	920.000	-0	-0
X1	17350.000	15.000	135.000	145.000	300.000	300.000	300.000	-0	-0	-0
GR	210.000	0	208.000	15.000	206.000	45.000	204.000	70.000	202.000	100.000
GR	200.000	135.000	200.000	140.000	199.000	142.000	200.000	145.000	200.000	150.000
GR	202.000	170.000	204.000	190.000	206.000	210.000	208.000	220.000	210.000	240.000
NC	.100	.100	.015	-0	-0	-0	-0	-0	-0	-0
X1	17650.000	20.000	295.000	303.000	300.000	300.000	300.000	-0	-0	-0
X3	10.000	-0	-0	-0	-0	-0	-0	203.000	203.000	-0
GR	218.200	17.000	216.800	50.000	214.800	100.000	212.000	150.000	207.300	200.000
GR	206.400	250.000	204.200	293.000	199.500	295.000	199.500	297.000	199.500	300.000
GR	199.500	303.000	201.600	307.000	205.900	350.000	206.700	400.000	207.100	450.000
GR	209.200	500.000	211.600	550.000	214.200	600.000	214.700	650.000	214.900	700.000
SB	1.250	1.960	2.600	-0	8.000	1.000	31.000	-0	198.500	198.500
X1	17700.000	-0	-0	-0	50.000	50.000	50.000	-0	-0	-0
X2	-0	-0	1.000	203.100	207.400	-0	-0	-0	-0	-0
X3	10.000	-0	-0	-0	-0	-0	-0	207.000	207.000	-0
BT	13.000	17.000	218.200	-0	50.000	216.800	-0	100.000	214.800	-0
BT	150.000	212.000	-0	190.000	208.500	-0	250.000	207.800	-0	300.000
BT	207.500	-0	350.000	207.500	-0	400.000	207.600	-0	460.000	207.800
BT	0	500.000	209.200	0	550.000	211.600	0	600.000	214.200	0
NC	.080	.080	.040	-0	-0	-0	-0	-0	-0	-0
X1	17750.000	-0	-0	-0	50.000	50.000	50.000	-0	-0	-0



X1	18000.000	13.000	110.000	120.000	250.000	250.000	250.000	-0	-0	-0
GR	214.000	0	212.000	30.000	210.000	50.000	208.000	70.000	206.000	85.000
GR	205.500	110.000	204.000	115.000	205.500	120.000	206.000	190.000	208.000	220.000
GR	210.000	240.000	212.000	265.000	214.000	310.000	-0	-0	-0	-0
QT	7.000	440.000	440.000	440.000	440.000	150.000	340.000	870.000	-0	-0

X1	18300.000	-0	-0	-0	300.000	300.000	300.000	-0	2.000	-0
----	-----------	----	----	----	---------	---------	---------	----	-------	----

X1	18650.000	13.000	200.000	211.000	350.000	350.000	350.000	-0	-0	-0
GR	217.400	88.000	216.900	100.000	215.200	150.000	214.200	172.000	210.400	190.000
GR	209.400	200.000	208.100	202.000	207.900	205.000	207.600	208.000	209.800	211.000
GR	211.400	250.000	213.600	300.000	214.500	323.000	-0	-0	-0	-0

X1	18950.000	-0	-0	-0	300.000	300.000	300.000	-0	1.000	-0
----	-----------	----	----	----	---------	---------	---------	----	-------	----

X1	19250.000	11.000	100.000	110.000	300.000	300.000	300.000	-0	-0	-0
GR	220.300	0	218.400	50.000	212.900	100.000	212.100	101.000	212.000	103.000
GR	212.400	106.000	214.800	110.000	217.400	127.000	217.800	150.000	217.000	190.000
GR	217.200	200.000	-0	-0	-0	-0	-0	-0	-0	-0
EJ	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0

NATURALS

C  
 T1 FPMS BR FAYETTEVILLE FIS  
 T2 10 YR NATURAL  
 T3 BRANSON'S CK BELOW FOREST LAKE

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FQ
	-1.	6.	-0	-0	,002000	-0	-0	-0	100,000	-0
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IHW	CHNIM	ITRACE
	1.000	-0	-1.000	-0	-0	-0	-0	-0	-0	-0
J3	-2.000	1.000	43.000	42.000	3.000	10.000	5.000	50.000	4.000	53.000
J3	54.000	26.000	0	201.000	-0	-0	-0	-0	-0	-0
NC	,190	,190	,070	,200	,400	-0	-0	-0	-0	-0
QT	7.000	1900.000	1900.000	1900.000	1900.000	780.000	1480.000	3400.000	-0	-0
ET	-0	-0	300.200	-0	-0	-0	-0	-0	-0	-0

CONFLUENCE OF BRANSON AND BLOUNTS CREEKS

X1	1.000	18.000	550.000	567.000	0	0	0	0	0	-0
GR	110.000	0	103.400	50.000	103.400	150.000	102.700	250.000	102.600	350.000
GR	101.700	450.000	98.100	550.000	95.000	553.000	94.900	556.000	95.200	563.000
GR	97.100	567.000	97.100	579.000	100.000	590.000	99.800	650.000	101.300	750.000
GR	103.700	790.000	106.700	850.000	110.000	1000.000	-0	-0	-0	-0
X1	1.100	0	0	0	1.000	1.000	1.000	1.000	0	-0
X1	2.000	0	0	0	1.000	1.000	1.000	1.000	0	-0
X1	3.000	0	0	0	1.000	1.000	1.000	1.000	0	-0
X1	5.000	0	0	0	2.000	2.000	2.000	1.000	0	-0
X1	10.000	0	0	0	5.000	5.000	5.000	1.000	0	-0
X1	465.000	0	0	0	465.000	465.000	465.000	1.000	1.500	-0
X1	475.000	18.000	550.000	567.000	9.000	5.000	5.000	0	0	-0
GR	110.000	0	105.000	50.000	104.000	150.000	103.000	250.000	102.900	350.000
GR	101.500	450.000	98.100	550.000	95.000	553.000	94.900	556.000	95.200	563.000
GR	97.100	567.000	97.100	579.000	100.000	590.000	100.200	650.000	101.500	750.000
GR	104.000	790.000	106.000	1000.000	110.000	1400.000	-0	-0	-0	-0
X1	505.000	14.000	350.000	366.000	0	0	0	0	0	-0
GR	110.000	0	105.000	100.000	103.000	150.000	101.000	250.000	98.100	350.000
GR	95.000	353.000	94.900	356.000	95.200	363.000	97.100	366.000	97.100	380.000
GR	100.000	390.000	100.200	450.000	105.500	1350.000	110.000	1500.000	-0	-0
SB	1.050	1.180	2.600	0	36.000	1.000	118.000	0	0	0

X1	525,000	14,000	350,000	366,000	0	0	0	0	0	-0
X2	0	0	1,000	97,100	99,900	-0	-0	-0	-0	-0
BT	10,000	0	110,000	97,100	100,000	105,000	97,100	150,000	103,000	97,100
BT	250,000	101,000	97,100	350,000	99,900	97,100	366,000	99,900	97,100	380,000
BT	99,900	97,100	390,000	100,000	97,100	450,000	100,200	97,100	1350,000	105,500
BT	97,100	-0	-0	-0	-0	-0	-0	-0	-0	-0
GR	110,000	0	105,000	100,000	103,000	150,000	101,000	250,000	98,100	350,000
GR	95,000	353,000	94,900	356,000	95,200	363,000	97,100	366,000	97,100	380,000
GR	100,000	390,000	100,200	450,000	105,500	1350,000	110,000	1500,000	-0	-0
X1	535,000	14,000	350,000	366,000	5,000	5,000	5,000	0	0	-0
GR	110,000	0	105,000	125,000	102,700	150,000	102,000	250,000	99,200	350,000
GR	95,000	353,000	94,900	356,000	95,200	363,000	99,100	366,000	99,100	380,000
GR	101,000	390,000	101,400	450,000	106,800	1100,000	110,000	1500,000	-0	-0
X1	545,000	15,000	355,000	396,000	5,000	5,000	5,000	0	0	-0
GR	110,000	0	105,000	250,000	104,500	300,000	101,000	355,000	98,900	359,000
GR	98,400	373,000	94,700	379,000	95,100	383,000	95,700	387,000	101,300	396,000
GR	102,000	400,000	103,800	450,000	104,700	500,000	108,000	1200,000	110,000	1500,000
X1	800,000	18,000	560,000	585,000	255,000	255,000	255,000	0	0	-0
GR	110,000	0	88,000	85,000	86,000	110,000	84,000	140,000	82,000	165,000
GR	100,000	210,000	98,000	510,000	96,000	560,000	96,000	565,000	95,500	569,000
GR	96,000	570,000	98,000	585,000	100,000	590,000	102,000	640,000	104,000	695,000
GR	106,000	740,000	108,000	840,000	110,000	855,000	-0	-0	-0	-0
X1	1050,000	12,000	260,000	285,000	250,000	250,000	250,000	0	0	-0
GR	111,700	0	104,100	100,000	101,200	200,000	99,600	260,000	96,300	264,000
GR	96,100	270,000	96,500	277,000	100,100	285,000	100,400	300,000	100,800	500,000
GR	106,700	700,000	110,200	1000,000	-0	-0	-0	-0	-0	-0
X1	1865,000	12,000	156,000	200,000	815,000	815,000	815,000	0	0	-0
GR	113,800	0	111,400	100,000	110,000	156,000	100,900	169,000	102,100	178,000
GR	102,100	186,000	108,400	200,000	108,000	300,000	108,400	400,000	109,000	500,000
GR	110,400	600,000	111,900	700,000	-0	-0	-0	-0	-0	-0
X1	1875,000	12,000	156,000	200,000	5,000	5,000	5,000	0	0	-0
GR	114,000	0	110,500	100,000	110,000	156,000	100,900	169,000	102,100	176,000
GR	102,100	186,000	109,200	200,000	109,500	300,000	109,700	400,000	110,000	500,000
GR	110,800	600,000	111,500	700,000	-0	-0	-0	-0	-0	-0
X1	1880,000	0	0	0	5,000	5,000	5,000	1,000	0	-0
X1	1882,000	0	0	0	2,000	2,000	2,000	1,000	0	-0
X1	1884,000	0	0	0	2,000	2,000	2,000	1,000	0	-0
X1	1885,000	9,000	250,000	294,000	1,000	1,000	1,000	0	0	-0
GR	114,000	0	110,000	200,000	110,000	250,000	108,400	251,000	102,100	264,000
GR	102,100	272,000	100,900	281,000	110,700	294,000	111,500	750,000	-0	-0
SB	1,050	1,050	2,600	0	35,000	1,000	194,000	0	0	0
ET	-0	-0	350,200	-0	-0	-0	-0	-0	-0	-0

X1	1905.000	9.000	250.000	294.000	0	0	0	0	0	-0
X2	0	0	1.000	108.800	110.000	-0	-0	-0	-0	-0
BT	5.000	0	114.000	108.800	200.000	110.800	108.800	250.000	110.000	108.800
BT	294.000	110.700	108.800	750.000	114.000	108.800	-0	-0	-0	-0
GR	114.000	0	110.000	200.000	110.000	250.000	108.400	251.000	102.100	264.000
GR	102.100	272.000	100.900	281.000	110.700	294.000	111.500	750.000	-0	-0

X1	1915.000	10.000	250.000	294.000	5.000	5.000	5.000	0	0	-0
GR	114.000	0	109.000	200.000	108.500	250.000	107.400	251.000	102.100	264.000
GR	102.100	272.000	100.900	281.000	107.800	294.000	110.700	725.000	112.000	1000.000
QT	7.000	1900.000	1900.000	1900.000	1900.000	760.000	1440.000	3300.000	-0	-0

X1	1925.000	13.000	202.000	231.000	5.000	5.000	5.000	0	0	-0
GR	114.000	0	111.600	100.000	108.300	150.000	107.000	202.000	102.700	215.000
GR	101.000	220.000	101.600	225.000	105.000	231.000	105.500	250.000	106.300	350.000
GR	108.000	420.000	110.000	700.000	112.000	900.000	-0	-0	-0	-0

X1	2800.000	20.000	403.000	422.000	875.000	875.000	875.000	0	0	-0
GR	120.000	0	118.000	20.000	116.000	30.000	114.000	40.000	112.000	60.000
GR	110.000	75.000	108.000	255.000	106.700	403.000	105.700	408.000	105.400	415.000
GR	105.700	418.000	107.300	422.000	108.000	445.000	110.000	470.000	112.000	525.000
GR	112.000	725.000	114.000	760.000	116.000	800.000	118.000	860.000	120.000	905.000

X1	3450.000	9.000	170.000	190.000	650.000	650.000	650.000	0	0	-0
GR	115.200	0	109.700	100.000	110.100	170.000	106.800	178.000	106.800	182.000
GR	107.700	187.000	109.700	190.000	109.000	500.000	118.500	600.000	-0	-0

X1	3700.000	10.000	107.000	125.000	250.000	250.000	250.000	0	0	-0
GR	108.600	0	108.600	50.000	109.800	100.000	109.700	107.000	107.100	110.000
GR	107.000	115.000	106.800	119.000	109.500	125.000	109.000	200.000	109.000	250.000

X1	3900.000	12.000	118.000	132.000	200.000	200.000	200.000	0	0	-0
GR	105.400	0	109.900	50.000	110.100	100.000	109.700	118.000	106.900	121.000
GR	107.300	125.000	107.500	128.000	110.000	132.000	110.600	168.000	107.400	172.000
GR	110.400	177.000	110.300	250.000	-0	-0	-0	-0	-0	-0

BASE OF FOREST LAKE

X1	4160.000	10.000	117.000	137.000	260.000	260.000	260.000	0	0	-0
GR	115.300	0	113.600	50.000	115.000	100.000	112.300	117.000	108.000	122.000
GR	107.000	127.000	107.600	131.000	112.200	137.000	112.400	200.000	112.500	250.000
EJ	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0

\*\*\*\*\*  
 INTERACTIVE HEC2 VERSION UPDATED SEPT 1976  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09,10  
 MODIFICATIONS 50,51,52,53,54,55,56,57,58,59  
 \*\*\*\*\*

T1 FPMS BR FAYETTEVILLE FIS  
 T2 50 YR NATURAL  
 T3 BRANSONS CK BELOW FOREST LAKE

J1	ICHECK	INQ	NJNV	IDIR	STRT	METRIC	HVINS	0	WSEL	FQ
	-10.	7.	-0	*0	.002000	*0	-0	-0	102.000	*0
J2	NPROF	IPLT	PRFVS	XSECV.	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2.000	*0	-1.000	*0	-0	-0	-0	-0	*0	-0

\*PROF ?

CCHV= .200 CEHV= .400

\*SECNO 1.000

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALUB	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

CONFLUENCE OF BRANSON AND BLOUNTS CREEKS

1.00	8.68	103.58	0	102.00	103.65	.07	0	0	98.10
1480.	416.	489.	575.	673.	136.	699.	0	0	97.10
0	.62	3.58	.82	.190	.070	.190	0	94.90	48.67
.002023	0	0	0	0	0	4	0	739.27	787.93

\*SECNO 1.100

1.10	8.68	103.58	0	0	103.65	.07	.00	.00	98.10
1480.	417.	488.	575.	674.	136.	700.	0.	0.	97.10
.00	.62	3.58	.82	.190	.070	.190	.035	94.90	48.65
.002019	1.	1.	1.	0	0	1	0	739.32	787.97

\*SECNO 2.000

2.00	8.68	103.58	0	0	103.65	.07	.00	.00	98.10
1480.	417.	488.	575.	675.	136.	700.	0.	0.	97.10
.00	.62	3.58	.82	.190	.070	.190	.035	94.90	48.64
.002016	1.	1.	1.	0	0	1	0	739.37	788.00

\*SECNO 3.000

3.00	8.68	103.58	0	0	103.65	.07	.00	.00	98.10
1480.	417.	488.	575.	676.	136.	701.	0.	0.	97.10
.00	.62	3.58	.82	.190	.070	.190	.035	94.90	48.62
.002012	1.	1.	1.	0	0	1	0	739.41	788.04

\*\*\*\*\*  
 INTERACTIVE HEC2 VERSION UPDATED SEPT 1976  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09,10  
 MODIFICATIONS 50,51,52,53,54,55,56,57,58,59  
 \*\*\*\*\*

T1 FPMS BR FAYETTEVILLE FIS  
 T2 100 YR NATURAL  
 T3 BRANSON'S CK BELOW FOREST LAKE

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	2.	-0	-0	.002000	-0	-0	-0	104,000	-0
J2	NPROF	IPLUT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	3.000	-0	-1.000	-0	-0	-0	-0	-0	-0	-0

\*PROF 3

CCHV= .200 CEHV= .400  
 \*SECNO 1,000

SECNO	DEPTH	WSEL	CRWS	WSELK	EG	HV	HL	LOSS	BANK ELEV
Q	GLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

CONFLUENCE OF BRANSON AND BLOUNTS CREEKS

1,00	9,23	104,13	0	104,00	104,20	.07	0	0	98,10
1900.	624.	544.	732.	950.	146.	824.	0	0	97,10
0	.66	3,73	.89	.190	.070	.190	0	94,90	44,50
.002010	0	0	0	0	0	4	0	754,03	798,53

\*SECNO 1,100

1,10	9,23	104,13	0	0	104,20	.07	.00	.00	98,10
1900.	624.	544.	732.	951.	146.	824.	0.	0.	97,10
.00	.66	3,73	.89	.190	.070	.190	.035	94,90	44,48
.002006	1.	1.	1.	0	0	1	0	754,08	798,57

\*SECNO 2,000

2,00	9,23	104,13	0	0	104,20	.07	.00	.00	98,10
1900.	625.	543.	732.	952.	146.	825.	0.	0.	97,10
.00	.66	3,73	.89	.190	.070	.190	.035	94,90	44,47
.002003	1.	1.	1.	0	0	1	0	754,14	798,61

\*SECNO 3,000

3,00	9,23	104,13	0	0	104,20	.07	.00	.00	98,10
1900.	625.	543.	732.	953.	146.	825.	0.	0.	97,10
.00	.66	3,73	.89	.190	.070	.190	.035	94,90	44,45
.001999	1.	1.	1.	0	0	1	0	754,19	798,65

\*\*\*\*\*  
 INTERACTIVE HEC2 VERSION UPDATED SEPT 1976  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09,10  
 MODIFICATIONS 50,51,52,53,54,55,56,57,58,59  
 \*\*\*\*\*

T1 FPMS BR FAYETTEVILLE FIS  
 T2 500 YR NATURAL  
 T3 BRANSON'S CK BELOW FOREST LAKE

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	8.	-0	-0	.002000	-0	-0	-0	106.000	-0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	CHNIM	ITRACE
	15.000	-0	-1.000	-0	-0	-0	-0	-0	-0	-0

\*PROF 4

CCHV= .200 CEHV= .400  
 \*SECNO 1.000

SECNO	DEPTH	CHSEL	CRWS	WSELK	EG	HV	HL	DLOSS	BANK ELEV
Q	OLOB	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

CONFLUENCE OF BRANSON AND BLOUNTS CREEKS

1.00	10.72	105.62	0	106.00	105.69	.07	0	0	98.10
3400.	1437.	707.	1256.	1716.	171.	1193.	0	0	97.10
0	.84	4.13	1.05	.190	.070	.190	0	94.90	33.15
.001984	0	0	0	0	0	4	0	795.32	828.47

\*SECNO 1.100

1.10	10.73	105.63	0	0	105.69	.07	.00	.00	98.10
3400.	1437.	707.	1256.	1717.	171.	1193.	0.	0.	97.10
.00	.84	4.13	1.05	.190	.070	.190	.035	94.90	33.14
.001981	1.	1.	1.	0	0	1	0	795.37	828.51

\*SECNO 2.000

2.00	10.73	105.63	0	0	105.69	.07	.00	.00	98.10
3400.	1437.	706.	1256.	1718.	171.	1194.	0.	0.	97.10
.00	.84	4.13	1.05	.190	.070	.190	.035	94.90	33.12
.001978	1.	1.	1.	0	0	1	0	795.43	828.55

\*SECNO 3.000

3.00	10.73	105.63	0	0	105.70	.07	.00	.00	98.10
3400.	1438.	706.	1256.	1719.	171.	1194.	0.	0.	97.10
.00	.84	4.12	1.05	.190	.070	.190	.035	94.90	33.11
.001976	1.	1.	1.	0	0	1	0	795.48	828.59

SUMMARY PRINTOUT

BRANSON'S CK BELOW FORES

SECNO	CWSEL	U	ELMIN	EG	HV	10K+S	DIFWSP	TOPWID	SSTA	ENDST	VCH
1.00	102.25	780.00	94.90	102.32	.08	20.15	0	376.51	389.27	765.78	3.1
1.00	103.58	1480.00	94.90	103.65	.07	20.23	1.33	739.27	48.67	787.93	3.5
1.00	104.13	1900.00	94.90	104.20	.07	20.10	.55	754.03	44.50	798.53	3.7
1.00	105.62	3400.00	94.90	105.69	.07	19.84	1.50	795.32	33.15	828.47	4.1
1.10	102.25	780.00	94.90	102.32	.08	20.11	0	376.77	389.04	765.81	3.1
1.10	103.58	1480.00	94.90	103.65	.07	20.19	1.33	739.32	48.65	787.97	3.5
1.10	104.13	1900.00	94.90	104.20	.07	20.06	.55	754.08	44.48	798.57	3.7
1.10	105.63	3400.00	94.90	105.69	.07	19.81	1.50	795.37	33.14	828.51	4.1
2.00	102.25	780.00	94.90	102.33	.08	20.07	0	377.03	388.82	765.84	3.1
2.00	103.58	1480.00	94.90	103.65	.07	20.16	1.33	739.37	48.64	788.00	3.5
2.00	104.13	1900.00	94.90	104.20	.07	20.03	.55	754.14	44.47	798.61	3.7
2.00	105.63	3400.00	94.90	105.69	.07	19.78	1.50	795.43	33.12	828.55	4.1
3.00	102.25	780.00	94.90	102.33	.07	20.03	0	377.28	388.60	765.88	3.1
3.00	103.58	1480.00	94.90	103.65	.07	20.12	1.33	739.41	48.62	788.04	3.5
3.00	104.13	1900.00	94.90	104.20	.07	19.99	.55	754.19	44.45	798.65	3.7
3.00	105.63	3400.00	94.90	105.70	.07	19.76	1.50	795.48	33.11	828.59	4.1
5.00	102.26	780.00	94.90	102.33	.07	19.95	0	377.79	388.15	765.94	3.1
5.00	103.59	1480.00	94.90	103.66	.07	20.04	1.33	739.51	48.59	788.10	3.5
5.00	104.14	1900.00	94.90	104.21	.07	19.92	.55	754.31	44.42	798.73	3.7
5.00	105.63	3400.00	94.90	105.70	.07	19.70	1.50	795.59	33.08	828.67	4.1
10.00	102.27	780.00	94.90	102.34	.07	19.75	0	379.07	387.04	766.11	3.1
10.00	103.60	1480.00	94.90	103.67	.07	19.85	1.33	739.76	48.51	788.27	3.5
10.00	104.15	1900.00	94.90	104.22	.07	19.74	.55	754.58	44.35	798.93	3.7
10.00	105.64	3400.00	94.90	105.71	.07	19.57	1.50	795.86	33.00	828.87	4.1
465.00	103.36	780.00	96.40	103.48	.11	29.93	0	327.50	431.89	759.38	3.7
465.00	104.69	1480.00	96.40	104.79	.11	29.21	1.32	600.83	180.60	781.43	4.1
465.00	105.23	1900.00	96.40	105.33	.10	28.91	.54	743.05	47.51	790.57	4.3
465.00	106.69	3400.00	96.40	106.78	.09	27.03	1.46	783.41	36.43	819.84	4.6
475.00	103.47	780.00	94.90	103.50	.03	6.80	0	579.11	202.49	781.60	2.0
475.00	104.79	1480.00	94.90	104.81	.03	8.12	1.31	800.95	71.49	872.44	2.4
475.00	105.32	1900.00	94.90	105.35	.03	8.86	.54	881.84	46.80	928.64	2.7
475.00	106.77	3400.00	94.90	106.80	.04	10.40	1.44	1044.18	32.35	1076.53	3.2
505.00	103.49	780.00	94.90	103.50	.01	4.64	0	869.38	137.95	1007.33	1.6
505.00	104.80	1480.00	94.90	104.82	.01	5.12	1.31	1124.97	105.15	1230.12	1.9
505.00	105.34	1900.00	94.90	105.35	.01	5.52	.54	1227.73	93.40	1321.13	2.1
505.00	106.79	3400.00	94.90	106.80	.02	5.90	1.45	1328.77	64.21	1392.98	2.4
525.00	103.50	780.00	94.90	103.52	.01	4.52	0	874.61	137.28	1011.89	1.6
525.00	104.83	1480.00	94.90	104.84	.01	4.97	1.32	1132.39	104.20	1236.59	1.9
525.00	105.37	1900.00	94.90	105.38	.01	5.34	.54	1236.06	92.52	1328.58	2.0
525.00	106.83	3400.00	94.90	106.85	.01	5.70	1.47	1331.57	63.16	1394.73	2.3
535.00	103.48	780.00	94.90	103.54	.05	15.07	0	559.11	141.50	700.61	2.7
535.00	104.81	1480.00	94.90	104.86	.05	14.79	1.33	733.35	127.07	860.41	3.0
535.00	105.35	1900.00	94.90	105.40	.05	15.36	.54	809.42	116.21	925.64	3.2
535.00	106.82	3400.00	94.90	106.87	.05	16.47	1.47	1022.89	79.52	1102.41	3.6



SECNO	CWSEL	Q	ELMIN	EG	HV	10K*S	DIFWSP	TOPWID	SSTA	ENDST	VCH
545.00	103.43	780.00	94.70	103.58	.15	24.92	0	122.98	316.79	439.77	3.2
545.00	104.67	1480.00	94.70	104.97	.30	40.17	1.24	215.31	283.02	498.32	4.6
545.00	105.17	1900.00	94.70	105.54	.37	47.77	.50	357.95	241.55	599.50	5.3
545.00	106.59	3400.00	94.70	107.05	.46	56.75	1.42	730.12	170.56	900.67	6.5
800.00	103.63	780.00	82.00	103.63	.00	.20	0	660.26	24.61	684.87	.3
800.00	105.06	1480.00	82.00	105.06	.00	.44	1.43	699.84	19.07	718.92	.5
800.00	105.66	1900.00	82.00	105.66	.00	.60	.60	715.64	16.76	732.40	.7
800.00	107.22	3400.00	82.00	107.23	.00	1.20	1.56	790.51	10.72	801.23	1.1
1050.00	103.63	780.00	96.10	103.66	.03	7.95	0	479.81	116.16	595.98	1.9
1050.00	105.07	1480.00	96.10	105.11	.03	8.75	1.44	557.76	87.17	644.93	2.3
1050.00	105.68	1900.00	96.10	105.72	.03	9.50	.61	586.29	79.19	665.48	2.5
1050.00	107.27	3400.00	96.10	107.32	.05	11.82	1.59	690.47	58.30	748.77	3.2
* 1865.00	105.23	780.00	100.90	106.61	1.38	559.65	0	30.13	162.82	192.95	9.4
* 1865.00	106.77	1480.00	100.90	108.67	1.90	519.47	1.55	35.78	160.61	196.39	11.0
* 1865.00	108.42	1900.00	100.90	109.81	1.39	282.96	1.65	245.42	158.25	403.68	9.5
* 1865.00	110.05	3400.00	100.90	111.13	1.08	207.33	1.63	420.79	154.08	574.87	9.5
1875.00	106.05	780.00	100.90	106.90	.85	276.26	0	32.13	161.65	193.78	7.3
1875.00	107.74	1480.00	100.90	108.99	1.25	284.98	1.69	37.88	159.23	197.11	8.9
1875.00	108.52	1900.00	100.90	109.99	1.47	292.91	.78	40.53	158.12	198.65	9.7
* 1875.00	110.88	3400.00	100.90	112.09	1.21	183.79	2.36	521.71	89.24	610.95	9.6
1880.00	106.34	780.00	100.90	107.05	.71	216.20	0	33.12	161.23	194.36	6.7
1880.00	108.09	1480.00	100.90	109.16	1.07	228.73	1.75	39.08	158.73	197.81	8.3
1880.00	108.91	1900.00	100.90	110.16	1.25	233.21	.83	41.92	157.54	199.46	8.9
1880.00	111.69	3400.00	100.90	112.27	.58	89.68	2.78	633.97	66.03	700.00	7.2
1882.00	106.42	780.00	100.90	107.10	.68	202.90	0	33.39	161.12	194.51	6.6
1882.00	108.18	1480.00	100.90	109.21	1.03	216.32	1.76	39.39	158.60	197.99	8.1
1882.00	109.01	1900.00	100.90	110.21	1.20	222.53	.83	42.21	157.41	199.63	8.8
1882.00	111.72	3400.00	100.90	112.29	.57	87.58	2.71	634.75	65.25	700.00	7.1
1884.00	106.49	780.00	100.90	107.14	.66	191.62	0	33.64	161.02	194.65	6.5
1884.00	108.27	1480.00	100.90	109.26	.99	205.26	1.78	39.69	158.47	198.16	7.9
1884.00	109.11	1900.00	100.90	110.27	1.16	211.26	.84	42.54	157.28	199.82	8.6
1884.00	111.78	3400.00	100.90	112.32	.54	82.97	2.67	636.54	63.46	700.00	7.0
1885.00	106.52	780.00	100.90	107.16	.64	184.32	0	33.56	254.89	288.45	6.4
1885.00	108.30	1480.00	100.90	109.28	.98	200.64	1.78	39.60	251.21	290.81	7.9
1885.00	109.13	1900.00	100.90	110.29	1.15	204.45	.83	41.37	250.54	291.92	8.6
* 1885.00	111.59	3400.00	100.90	112.87	1.27	161.84	2.46	629.57	120.43	750.00	9.4
1905.00	106.59	780.00	100.90	107.20	.62	174.52	0	33.80	254.74	288.54	6.3
1905.00	108.41	1480.00	100.90	109.34	.93	187.87	1.82	39.97	250.99	290.96	7.7
1905.00	109.59	1900.00	100.90	110.56	.98	160.62	1.18	42.27	250.26	292.53	7.9
1905.00	111.81	3400.00	100.90	112.87	1.06	134.73	2.22	640.74	109.26	750.00	8.8
1915.00	106.88	780.00	100.90	107.31	.43	115.45	0	40.01	252.27	292.27	5.2
1915.00	108.94	1480.00	100.90	109.48	.54	93.77	2.06	258.61	205.53	464.13	6.0
1915.00	110.44	1900.00	100.90	110.74	.30	45.50	1.50	542.95	142.61	685.56	4.9
1915.00	112.96	3400.00	100.90	113.07	.11	17.97	2.52	958.49	41.51	1000.00	3.8

SECNO	CWSEL	Q	ELMIN	EG	HV	10K*S	DIFWSP	TOPWID	SSTA	ENDST	VCH
1925.00	106.94	760.00	101.00	107.38	.43	153.39	0	174.66	202.15	376.81	5.8
1925.00	109.46	1440.00	101.00	109.59	.13	34.93	2.52	492.69	132.35	625.04	4.0
1925.00	110.72	1900.00	101.00	110.80	.07	19.76	1.26	659.15	113.27	772.42	3.4
1925.00	113.05	3300.00	101.00	113.09	.04	11.12	2.33	860.39	39.61	900.00	3.0
2800.00	110.67	760.00	105.40	110.70	.03	16.29	0	418.50	69.96	488.47	2.3
2800.00	111.79	1440.00	105.40	111.83	.04	19.33	1.12	457.87	61.53	519.40	2.9
2800.00	112.47	1900.00	105.40	112.51	.04	19.20	.67	677.81	55.34	733.15	3.2
2800.00	114.22	3300.00	105.40	114.26	.04	16.25	1.75	725.44	38.91	764.35	3.4
3450.00	111.82	760.00	106.80	111.84	.02	18.96	0	468.51	61.28	529.79	2.2
3450.00	113.04	1440.00	106.80	113.07	.03	18.56	1.22	503.03	39.41	542.44	2.6
3450.00	113.70	1900.00	106.80	113.73	.03	18.39	.66	522.23	27.25	549.49	2.8
3450.00	115.34	3300.00	106.80	115.38	.04	18.40	1.64	566.76	0	566.76	3.3
3700.00	112.29	760.00	106.80	112.32	.03	19.15	0	250.00	0	250.00	2.4
3700.00	113.56	1440.00	106.80	113.61	.05	24.66	1.27	250.00	0	250.00	3.2
3700.00	114.24	1900.00	106.80	114.30	.07	27.66	.68	250.00	0	250.00	3.7
3700.00	115.91	3300.00	106.80	116.03	.11	34.37	1.68	250.00	0	250.00	4.8
3900.00	112.76	760.00	106.90	112.81	.05	31.38	0	250.00	0	250.00	3.1
3900.00	114.12	1440.00	106.90	114.19	.07	33.87	1.36	250.00	0	250.00	3.8
3900.00	114.85	1900.00	106.90	114.94	.08	35.61	.73	250.00	0	250.00	4.2
3900.00	116.65	3300.00	106.90	116.77	.12	40.00	1.80	250.00	0	250.00	5.2
4160.00	113.90	760.00	107.00	114.24	.34	93.33	0	208.73	41.27	250.00	5.4
4160.00	115.28	1440.00	107.00	115.59	.31	81.20	1.38	249.44	.56	250.00	5.9
4160.00	116.03	1900.00	107.00	116.32	.30	75.58	.75	250.00	0	250.00	6.2
4160.00	117.87	3300.00	107.00	118.17	.31	67.75	1.84	250.00	0	250.00	6.8

FLOOD INSURANCE ZONE DATA FOR BRANSON'S CK BELOW FORES

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
		10'	2'	0.2'
1.000	0	-1.9	-.6	1.5
1.100	1	-1.9	-.6	1.5
2.000	2	-1.9	-.6	1.5
3.000	3	-1.9	-.6	1.5
5.000	5	-1.9	-.6	1.5
10.000	10	-1.9	-.5	1.5
465.000	475	-1.9	-.5	1.5
475.000	480	-1.8	-.5	1.4
505.000	481	-1.9	-.5	1.4
525.000	482	-1.9	-.5	1.5
535.000	487	-1.9	-.5	1.5
545.000	492	-1.7	-.5	1.4
800.000	747	-2.0	-.6	1.6
1050.000	997	-2.1	-.6	1.6
1865.000	1812	-3.2	-1.6	1.6
1875.000	1817	-2.5	-.8	2.4
1880.000	1822	-2.6	-.8	2.8
1882.000	1824	-2.6	-.8	2.7
1884.000	1825	-2.6	-.8	2.7
1885.000	1827	-2.6	-.8	2.5
1905.000	1828	-3.0	-1.2	2.2
1915.000	1833	-3.6	-1.5	2.5
1925.000	1838	-3.8	-1.3	2.3
2800.000	2713	-1.8	-.7	1.8
3450.000	3363	-1.9	-.7	1.6
3700.000	3613	-1.9	-.7	1.7
3900.000	3813	-2.1	-.7	1.8
4160.000	4073	-2.1	-.7	1.8
-----				
WEIGHTED AVG FOR REACH		-2.3	-.8	1.7

FHF FOR THE REACH = .025 WITH 99.8% OF THE REACH WITHIN 1.0 FEET ZONE FOR THE REACH = A 5

POSSIBLE ERROR	SECNO=	1865.00	PROFILE=	1	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	1865.00	PROFILE=	1	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO=	1865.00	PROFILE=	2	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	1865.00	PROFILE=	2	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO=	1865.00	PROFILE=	3	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	1865.00	PROFILE=	3	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO=	1865.00	PROFILE=	4	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	1865.00	PROFILE=	4	20 TRIALS REQUIRED TO BALANCE WSEL

POSSIBLE ERROR SECNO# 1875.00 PROFILE#

4 CRITICAL DEPTH ASSUMED

POSSIBLE ERROR SECNO# 1875.00 PROFILE#

4 20 TRIALS REQUIRED TO BALANCE WSEL

POSSIBLE ERROR SECNO# 1885.00 PROFILE#

4 CRITICAL DEPTH ASSUMED

20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57  
58  
59  
60  
61  
62  
63  
64  
65  
66  
67  
68  
69  
70  
71  
72  
73  
74  
75  
76  
77  
78  
79  
80  
81  
82  
83  
84  
85  
86  
87  
88  
89  
90  
91  
92  
93  
94  
95  
96  
97  
98  
99  
100  
101  
102  
103  
104  
105  
106  
107  
108  
109  
110  
111  
112  
113  
114  
115  
116  
117  
118  
119  
120  
121  
122  
123  
124  
125  
126  
127  
128  
129  
130  
131  
132  
133  
134  
135  
136  
137  
138  
139  
140  
141  
142  
143  
144  
145  
146  
147  
148  
149  
150  
151  
152  
153  
154  
155  
156  
157  
158  
159  
160  
161  
162  
163  
164  
165  
166  
167  
168  
169  
170  
171  
172  
173  
174  
175  
176  
177  
178  
179  
180  
181  
182  
183  
184  
185  
186  
187  
188  
189  
190  
191  
192  
193  
194  
195  
196  
197  
198  
199  
200

Flw

SUMMARY PRINTOUT

BRANSON'S CK BELOW FORES

SECNO	CWSEL	Q	ELMIN	EG	HV	10K+S	DIFWSP	TOPWID	SSTA	ENDST	VCH
1.00	104.10	1900.00	94.90	104.17	.07	20.57	0	753.30	44.70	798.00	3.7
1.00	105.10	1900.00	94.90	105.17	.07	16.19	1.00	300.00	408.50	708.50	3.6
1.10	104.10	1900.00	94.90	104.17	.07	20.54	0	753.36	44.68	798.04	3.7
1.10	105.10	1900.00	94.90	105.17	.07	16.17	1.00	300.00	408.50	708.50	3.6
2.00	104.10	1900.00	94.90	104.17	.07	20.50	0	753.42	44.67	798.08	3.7
2.00	105.10	1900.00	94.90	105.17	.07	16.16	1.00	300.00	408.50	708.50	3.6
3.00	104.11	1900.00	94.90	104.18	.07	20.46	0	753.47	44.65	798.12	3.7
3.00	105.11	1900.00	94.90	105.18	.07	16.14	1.00	300.00	408.50	708.50	3.6
5.00	104.11	1900.00	94.90	104.18	.07	20.39	0	753.59	44.62	798.21	3.7
5.00	105.11	1900.00	94.90	105.18	.07	16.12	1.00	300.00	408.50	708.50	3.5
10.00	104.12	1900.00	94.90	104.19	.07	20.20	0	753.87	44.54	798.41	3.7
10.00	105.12	1900.00	94.90	105.19	.07	16.04	.99	300.00	408.50	708.50	3.5
465.00	105.22	1900.00	96.40	105.32	.10	29.12	0	742.84	47.57	790.41	4.3
465.00	105.99	1900.00	96.40	106.09	.10	23.08	.77	300.00	408.50	708.50	4.1
475.00	105.31	1900.00	94.90	105.34	.03	8.90	0	881.05	46.87	927.91	2.7
475.00	106.05	1900.00	94.90	106.10	.05	10.15	.74	300.00	408.50	708.50	3.0
505.00	105.33	1900.00	94.90	105.35	.01	5.55	0	1226.43	93.54	1319.97	2.1
505.00	106.06	1900.00	94.90	106.10	.04	9.70	.73	300.00	208.00	508.00	2.9
525.00	105.36	1900.00	94.90	105.37	.01	5.37	0	1234.77	92.66	1327.43	2.1
525.00	106.06	1900.00	94.90	106.10	.04	9.67	.70	300.00	208.00	508.00	2.9
535.00	105.34	1900.00	94.90	105.39	.05	15.45	0	808.42	116.39	924.80	3.2
535.00	106.05	1900.00	94.90	106.12	.07	16.79	.71	300.00	208.00	508.00	3.5
545.00	105.16	1900.00	94.70	105.53	.37	48.02	0	355.93	241.93	597.87	5.3
545.00	105.96	1900.00	94.70	106.20	.24	28.84	.80	300.00	225.50	525.50	4.4
800.00	105.66	1900.00	82.00	105.66	.00	.60	0	715.49	16.78	732.28	.7
800.00	106.51	1900.00	95.50	106.54	.04	6.52	.85	300.00	422.50	722.50	2.4
1050.00	105.68	1900.00	96.10	105.71	.03	9.53	0	586.03	79.26	665.29	2.5
1050.00	106.70	1900.00	96.10	106.75	.05	9.88	1.02	300.00	122.50	422.50	2.8
1865.00	108.42	1900.00	100.90	109.81	1.39	282.67	0	245.63	158.25	403.88	9.5
1865.00	108.10	1900.00	100.90	109.75	1.05	351.07	-.32	90.37	158.71	324.88	10.3
1875.00	108.52	1900.00	100.90	109.99	1.47	292.79	0	40.53	158.12	198.65	9.7
1875.00	108.35	1900.00	100.90	109.93	1.58	322.83	-.16	39.96	158.36	198.32	10.0
1880.00	108.92	1900.00	100.90	110.16	1.25	233.17	0	41.92	157.54	199.46	8.9
1880.00	108.84	1900.00	100.90	110.13	1.29	244.62	-.08	41.62	157.66	199.28	9.1
1882.00	109.01	1900.00	100.90	110.21	1.20	222.49	0	42.21	157.41	199.63	8.8
1882.00	108.96	1900.00	100.90	110.19	1.23	228.53	-.05	42.05	157.48	199.53	8.8

SECNO	CWSEL	Q	ELMIN	EG	HV	10K*S	DIFWSP	TOPWID	SSTA	ENDST	VCH
1884.00	109.11	1900.00	100.90	110.27	1.16	211.22	0	42.54	157.27	199.82	8.6
1884.00	109.06	1900.00	100.90	110.24	1.18	216.34	.04	42.39	157.34	199.73	8.7
1885.00	109.14	1900.00	100.90	110.29	1.15	204.42	0	41.37	250.54	291.92	8.6
1885.00	109.09	1900.00	100.90	110.27	1.17	209.41	.04	41.29	250.57	291.86	8.6
1905.00	109.59	1900.00	100.90	110.56	.98	160.59	0	42.27	250.26	292.53	7.9
1905.00	109.54	1900.00	100.90	110.53	.99	164.48	.05	42.18	250.29	292.46	8.0
1915.00	110.44	1900.00	100.90	110.74	.30	45.49	0	543.00	142.60	685.60	4.9
1915.00	110.37	1900.00	100.90	110.71	.34	50.32	.07	301.59	145.40	447.00	5.1
1925.00	110.72	1900.00	101.00	110.80	.07	19.76	0	659.17	113.27	772.44	3.4
1925.00	110.63	1900.00	101.00	110.77	.14	30.18	.09	276.81	114.69	391.50	4.1
2800.00	112.47	1900.00	105.40	112.51	.04	19.20	0	677.81	55.34	733.15	3.2
2800.00	113.01	1900.00	105.40	113.07	.07	23.02	.54	350.00	237.50	587.50	3.7
3450.00	113.70	1900.00	106.80	113.73	.03	18.39	0	522.23	27.25	549.49	2.8
3450.00	114.55	1900.00	106.80	114.62	.06	24.35	.85	343.22	11.78	355.00	3.5
3700.00	114.24	1900.00	106.80	114.30	.07	27.66	0	250.00	0	250.00	3.7
3700.00	115.08	1900.00	106.80	115.13	.09	17.22	.84	249.99	.01	250.00	3.1
3900.00	114.85	1900.00	106.90	114.94	.08	35.61	0	250.00	0	250.00	4.2
3900.00	115.48	1900.00	106.90	115.54	.06	24.33	.62	249.99	.01	250.00	3.7
4160.00	116.03	1900.00	107.00	116.32	.30	75.58	0	250.00	0	250.00	6.2
4160.00	116.31	1900.00	107.00	116.56	.24	60.72	.29	249.99	.01	250.00	5.7

FLOODWAY DATA, BRANSON'S CK BELOW FORES  
 PROFILE NO. 2

STATION	----- FLOODWAY WIDTH (FT)	----- FLOODWAY SECTION AREA	----- MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY WITHOUT FLOODWAY DIFFERENCE		
1.000	300.	1580.	1.2	105.1	104.1	1.0
1.100	300.	1581.	1.2	105.1	104.1	1.0
2.000	300.	1581.	1.2	105.1	104.1	1.0
3.000	300.	1581.	1.2	105.1	104.1	1.0
5.000	300.	1582.	1.2	105.1	104.1	1.0
10.000	300.	1585.	1.2	105.1	104.1	1.0
465.000	300.	1396.	1.4	106.0	105.2	.8
475.000	300.	1848.	1.0	106.1	105.3	.7
505.000	300.	1901.	1.0	106.1	105.3	.7
525.000	300.	1903.	1.0	106.1	105.4	.7
535.000	300.	1579.	1.2	106.1	105.3	.7
545.000	300.	878.	2.2	106.0	105.2	.8
800.000	300.	2001.	.9	106.5	105.7	.9
1050.000	300.	1808.	1.1	106.7	105.7	1.0
1865.000	90.	187.	10.2	108.1	108.4	-.3
1875.000	40.	189.	10.1	108.4	108.5	-.2
1880.000	42.	208.	9.1	108.8	108.9	-.1
1882.000	42.	214.	8.9	109.0	109.0	-.0
1884.000	42.	218.	8.7	109.1	109.1	-.0
1885.000	41.	219.	8.7	109.1	109.1	-.0
1905.000	42.	238.	8.0	109.5	109.6	-.0
1915.000	302.	731.	2.6	110.4	110.4	-.1
1925.000	277.	1140.	1.7	110.6	110.7	-.1
2800.000	350.	1454.	1.3	113.0	112.5	.5
3450.000	343.	1505.	1.3	114.6	113.7	.9
3700.000	250.	1530.	1.2	115.1	114.2	.8
3900.000	250.	1343.	1.4	115.5	114.9	.6

106.0

107.5

106.7

100000 2500 5020 201 1100 1100 116.3  
POSSIBLE ERROR SECNO# 1865.00 PROFILE#

1 CRITICAL DEPTH ASSUMED

POSSIBLE ERROR SECNO# 1865.00 PROFILE#

1 20 TRIALS REQUIRED TO BALANCE WSEL

PHOTOGRAPHIC REPRODUCTION OF ORIGINAL RECORD  
INTER-OFFICE AND EXTERNAL USE ONLY



\*\*\*\*\*  
INTERACTIVE HEC2 VERSION UPDATED SEPT 1976  
ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09,10  
MODIFICATIONS 50,51,52,53,54,55,56,57,58,59  
\*\*\*\*\*

\*\*\*\*\*  
\* AS OF 2 SEPT 1976, THE PROGRAM HAS BEEN UPDATED TO INCLUDE MODIFICATION 59 AND ERROR CORRECTION 10. THE PURPOSE OF  
\* MODIFICATION 59 IS TO

- \* (1) PROVIDE A NEW INTERPOLATION SCHEME FOR CALCULATING ENCROACHMENT STATIONS BY METHODS 3 AND 4. PREVIOUSLY, L  
\* INTERPOLATION WAS USED TO CALCULATE ENCROACHMENTS; NOW, THE INTERPOLATION IS BASED ON A PARABOLIC APPROXIM  
\* OF CONVEYANCE VERSUS DISTANCE.
- \* (2) FURTHER DEVELOPMENT OF MODIFICATION 54 WHICH PROVIDES FOR THE NH CARD TO VARY #N# VALUES IN THE CHANNEL. T  
\* PROGRAM WILL NOW ALLOW BOTH A CHANGE IN #N# VALUES IN THE CHANNEL (MOD. 54 AS PRESENTLY USED) AND, IF NO #N  
\* VARIATION IS DEFINED IN THE CHANNEL WHEN THE NH CARD IS USED, THE CHANNEL WILL NOT BE SEGMENTED FOR FLOW CO  
\* TATION. THIS MODIFICATION ALLOWS MORE FLEXIBILITY.
- \* (3) COMMENT CARDS (C CARDS) ARE NOW PRINTED IN THE DATA LISTING.
- \* (4) EXPANDS PRINTOUT OF THE SPECIAL BRIDGE ROUTINE TO INCLUDE TRAPEZOIDAL CALCULATIONS FOR OUTPUT ANALYSIS. STA  
\* TESTS RELATING TO THE SPECIAL BRIDGE ROUTINE WILL BE AFFECTED BY THIS CHANGE. THE PRINTOUT OF CALCULATED CH  
\* AREA IS BASED ON THE DEFINED TRAPEZOID UP TO THE BRIDGE WATER SURFACE ELEVATION. CALCULATED CHANNEL AREA SH  
\* BE CLOSE TO THE VALUE OF THE PREVIOUS SECTION'S CHANNEL AREA. TRAPEZOID/AREA IS THE AREA OF THE TRAPEZOID  
\* ELLC. TRAPEZOID/AREA SHOULD BE CLOSE TO INPUT ITEM BAREA. PLEASE NOTE THAT NUMERICAL RESULTS WILL NOT BE A
- \* (5) THE FLOW DISTRIBUTION PRINTOUT MAY NOW BE REQUESTED FOR ANY PARTICULAR SECTION (X2 CARD WITH 15 IN 10TH FIE

\* THE PURPOSE OF ERROR CORRECTION 10 IS TO

- \* (1) ALLOW THE USE OF THE EFFECTIVE AREA OPTION WHEN FLOW IS PRESSURE AND WEIR FLOW,
- \* (2) CORRECT THE WETTED PERIMETER CALCULATION IN THE NORMAL BRIDGE ROUTINE,
- \* (3) ACCOUNT FOR THE VERTICAL WALL AT THE ENCROACHMENT STATION WHEN CALCULATING CONVEYANCE.

\* A FORMAL CHANGE NOTICE CONCERNING THE ABOVE WILL BE MAILED IN APPROXIMATELY ONE MONTH. ANY QUESTIONS ABOUT THESE P  
\* CHANGES CAN BE DIRECTED TO ALLAN OTO (FTS 448-2105 OR 448-3292).

\*\*\*\*\*

C  
 T1 FPMS BR FAYETTEVILLE FIS  
 T2 100 YR NATURAL  
 T3 BRANSON'S CK BELOW FOREST LAKE

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FO
	-1.	2.	-0	-0	0	-0	-0	-0	104,100	-0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1,000	-0	-1,000	-0	-0	-0	-0	-0	-0	15,000
J3	-2,000	1,000	43,000	42,000	3,000	10,000	5,000	50,000	4,000	53,000
J3	54,000	26,000	0	200,000	0	0	0	0	0	0
NC	.190	.190	.070	.200	.400	0	0	0	0	0
QT	7,000	1900,000	1900,000	1900,000	1900,000	780,000	1480,000	3400,000	0	0
ET	-0	-0	300,200	-0	0	0	0	0	0	0

CONFLUENCE OF BRANSON AND BLOUNTS CREEKS

X1	1,000	18,000	550,000	567,000	0	0	0	0	0	-0
GR	110,000	0	103,400	50,000	103,400	150,000	102,700	250,000	102,600	350,000
GR	101,700	450,000	98,100	550,000	95,000	553,000	94,900	556,000	95,200	563,000
GR	97,100	567,000	97,100	579,000	100,000	590,000	99,800	650,000	101,300	750,000
GR	103,700	790,000	106,700	850,000	110,000	1000,000	-0	-0	-0	-0
X1	1,100	0	0	0	1,000	1,000	1,000	1,000	0	-0
X1	2,000	0	0	0	1,000	1,000	1,000	1,000	0	-0
X1	3,000	0	0	0	1,000	1,000	1,000	1,000	0	-0
X1	5,000	0	0	0	2,000	2,000	2,000	1,000	0	-0
X1	10,000	0	0	0	5,000	5,000	5,000	1,000	0	-0
X1	465,000	0	0	0	465,000	465,000	465,000	1,000	1,500	-0
X1	475,000	18,000	550,000	567,000	5,000	5,000	5,000	0	0	-0
GR	110,000	0	105,000	50,000	104,000	150,000	103,000	250,000	102,900	350,000
GR	101,500	450,000	98,100	550,000	95,000	553,000	94,900	556,000	95,200	563,000
GR	97,100	567,000	97,100	579,000	100,000	590,000	100,200	650,000	101,500	750,000
GR	104,000	790,000	106,000	1000,000	110,000	1400,000	-0	-0	-0	-0
X1	505,000	14,000	350,000	366,000	0	0	0	0	0	-0
GR	110,000	0	105,000	100,000	103,000	150,000	101,000	250,000	98,100	350,000
GR	95,000	353,000	94,900	350,000	95,200	363,000	97,100	366,000	97,100	380,000
GR	100,000	390,000	100,200	450,000	105,500	1350,000	110,000	1500,000	0	-0
SB	1,050	1,180	2,600	0	36,000	1,000	118,000	0	0	0





\*\*\*\*\*  
 INTERACTIVE HEC2 VERSION UPDATED SEPT 1976  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09,10  
 MODIFICATIONS 50,51,52,53,54,55,56,57,58,59  
 \*\*\*\*\*

T1 FPMS BR FAYETTEVILLE FIS  
 T2 FLOODWAY STUDY FLOODWAYS  
 T3 BRANSON'S CK BELOW FOREST LAKE

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FO
	-10.	3.	-0	-0	0	0	-0	-0	105.100	0
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.000	-0	-1.000	-0	-0	-0	-0	-0	-0	0

\*PROF 2

CCHV= .200 CEHV= .400

\*SECNO 1.000

SECNO	DEPTH	WSEL	CRWS	WSELK	EG	HV	HL	LOSS	BANK ELEV
0	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3470 ENCROACHMENT STATIONS= 408.5 708.5 TYPE= 2 TARGET= 300.000

CONFLUENCE OF BRANSON AND BLOUNTS CREEKS

1.00	10.20	105.10	0	104.10	105.17	.07	0	0	98.10
1900.	578.	584.	738.	653.	162.	764.	0	0	97.10
0	.88	3.60	.97	.190	.070	.190	0	94.90	408.50
.001619	0	0	0	0	0	1	0	300.00	708.50

\*SECNO 1.100

3470 ENCROACHMENT STATIONS= 408.5 708.5 TYPE= 2 TARGET= 300.000

1.10	10.20	105.10	0	104.10	105.17	.07	.00	.00	98.10
1900.	578.	584.	738.	654.	162.	765.	0.	0.	97.10
.00	.88	3.60	.96	.190	.070	.190	.035	94.90	408.50
.001617	1.	1.	1.	0	0	1	0	300.00	708.50

\*SECNO 2.000

3470 ENCROACHMENT STATIONS= 408.5 708.5 TYPE= 2 TARGET= 300.000

2.00	10.20	105.10	0	104.10	105.17	.07	.00	.00	98.10
1900.	578.	584.	738.	654.	162.	765.	0.	0.	97.10
.00	.88	3.60	.96	.190	.070	.190	.035	94.90	408.50
.001616	1.	1.	1.	0	0	1	0	300.00	708.50

\*SECNO 3.000

SUMMARY PRINTOUT \*\*\*\*\* THIS RUN IS FINAL SAVE \*\*\*\*\*

BRANSONS BR ABOVE LAKE F

SECNO	CNSEL	Q	ELMIN	EG	HV	DIFWSP	
*	1.00	120.97	720.00	119.60	121.65	.69	0
*	1.00	121.73	1400.00	119.60	122.79	1.07	.76
*	1.00	122.12	1810.00	119.60	123.38	1.27	.39
*	1.00	123.88	3230.00	119.60	124.77	.89	1.76
	2.00	121.72	720.00	110.00	121.72	.00	0
	2.00	122.90	1400.00	110.00	122.90	.00	1.18
	2.00	123.51	1810.00	110.00	123.51	.00	.61
	2.00	124.86	3230.00	110.00	124.86	.00	1.35
	3.00	121.72	720.00	110.00	121.72	.00	0
	3.00	122.90	1400.00	110.00	122.90	.00	1.18
	3.00	123.51	1810.00	110.00	123.51	.00	.61
	3.00	124.86	3230.00	110.00	124.86	.00	1.35
	4.00	121.72	720.00	110.00	121.72	.00	0
	4.00	122.90	1400.00	110.00	122.90	.00	1.18
	4.00	123.51	1810.00	110.00	123.51	.00	.61
	4.00	124.86	3230.00	110.00	124.86	.00	1.35
	5.00	121.72	720.00	110.00	121.72	.00	0
	5.00	122.90	1400.00	110.00	122.90	.00	1.18
	5.00	123.51	1810.00	110.00	123.51	.00	.61
	5.00	124.86	3230.00	110.00	124.86	.00	1.35
	10.00	121.72	720.00	110.00	121.72	.00	0
	10.00	122.90	1400.00	110.00	122.90	.00	1.18
	10.00	123.51	1810.00	110.00	123.51	.00	.61
	10.00	124.86	3230.00	110.00	124.86	.00	1.35
	20.00	121.72	720.00	110.00	121.72	.00	0
	20.00	122.90	1400.00	110.00	122.90	.00	1.18
	20.00	123.51	1810.00	110.00	123.51	.00	.61
	20.00	124.86	3230.00	110.00	124.86	.00	1.35
	50.00	121.72	720.00	110.00	121.72	.00	0
	50.00	122.90	1400.00	110.00	122.90	.00	1.18
	50.00	123.51	1810.00	110.00	123.51	.00	.61
	50.00	124.86	3230.00	110.00	124.86	.00	1.35
	1500.00	121.72	700.00	115.00	121.72	.00	0
	1500.00	122.90	1340.00	115.00	122.90	.00	1.18
	1500.00	123.51	1740.00	115.00	123.51	.00	.61
	1500.00	124.86	3110.00	115.00	124.87	.01	1.35
	3000.00	121.73	660.00	117.00	121.74	.01	0
	3000.00	122.91	1280.00	117.00	122.93	.02	1.18
	3000.00	123.52	1680.00	117.00	123.55	.03	.61
	3000.00	124.87	3000.00	117.00	124.93	.05	1.35
	3300.00	121.74	660.00	116.30	121.76	.01	0
	3300.00	122.93	1280.00	116.30	122.96	.03	1.19
	3300.00	123.55	1660.00	116.30	123.59	.03	.62
	3300.00	124.92	3000.00	116.30	124.98	.06	1.37

SECNO	CWSEL	O	ELMIN	EG	HV	DIFWSP
3350.00	121.32	660.00	116.30	121.96	.64	0
3350.00	121.25	1280.00	116.30	123.72	2.46	-.07
3350.00	123.65	1680.00	116.30	123.74	.08	2.40
3350.00	124.86	3000.00	116.30	125.03	.16	1.21
3350.00	121.39	660.00	116.30	122.01	.62	0
3350.00	122.21	1280.00	116.30	123.94	1.73	.82
3350.00	126.65	1680.00	116.30	126.67	.02	4.43
3350.00	127.91	3000.00	116.30	127.96	.06	1.26
3355.00	122.07	660.00	116.30	122.08	.01	0
3355.00	124.11	1280.00	116.30	124.12	.01	2.04
3355.00	126.66	1680.00	116.30	126.67	.01	2.56
3355.00	127.95	3000.00	116.30	127.97	.02	1.29
3360.00	122.07	660.00	116.30	122.08	.01	0
3360.00	124.11	1280.00	116.30	124.12	.01	2.04
3360.00	126.66	1680.00	116.30	126.67	.01	2.56
3360.00	127.95	3000.00	116.30	127.97	.02	1.29
3400.00	122.08	660.00	116.30	122.09	.01	0
3400.00	124.11	1280.00	116.30	124.13	.01	2.04
3400.00	126.67	1680.00	116.30	126.68	.01	2.55
3400.00	127.96	3000.00	116.30	127.98	.02	1.29
3650.00	121.87	660.00	119.30	123.07	1.21	0
3650.00	124.05	1280.00	119.30	124.88	.83	2.19
3650.00	126.67	1680.00	119.30	126.75	.08	2.62
3650.00	127.98	3000.00	119.30	128.08	.10	1.32
3700.00	122.39	660.00	119.30	123.90	1.52	0
3700.00	124.07	1280.00	119.30	126.39	2.32	1.68
3700.00	126.43	1680.00	119.30	126.90	.47	2.36
3700.00	127.63	3000.00	119.30	128.30	.67	1.20
3750.00	122.96	660.00	119.30	124.03	1.07	0
3750.00	125.00	1280.00	119.30	126.60	1.61	2.03
3750.00	129.48	1680.00	119.30	129.55	.07	4.48
3750.00	130.44	3000.00	119.30	130.58	.14	.96
3751.00	122.97	660.00	119.30	124.03	1.06	0
3751.00	126.72	1280.00	119.30	126.76	.04	3.75
3751.00	129.55	1680.00	119.30	129.56	.01	2.83
3751.00	130.57	3000.00	119.30	130.59	.02	1.03
3755.00	123.17	660.00	119.30	124.12	.95	0
3755.00	126.72	1280.00	119.30	126.76	.04	3.55
3755.00	129.55	1680.00	119.30	129.56	.01	2.83
3755.00	130.57	3000.00	119.30	130.59	.02	1.03
3760.00	123.39	660.00	119.30	124.20	.82	0
3760.00	126.72	1280.00	119.30	126.77	.04	3.34
3760.00	129.55	1680.00	119.30	129.56	.01	2.83
3760.00	130.57	3000.00	119.30	130.60	.02	1.03

Reel

SECNO	CHSEL	Q	ELMIN	EG	HV	DIFWSP
3800.00	124.28	660.00	119.30	124.54	.25	0
3800.00	126.75	1280.00	119.30	126.80	.04	2.47
3800.00	129.55	1680.00	119.30	129.56	.01	2.80
3800.00	130.58	3000.00	119.30	130.60	.02	1.03
4175.00	125.08	630.00	119.80	125.10	.01	0
4175.00	126.95	1220.00	119.80	126.96	.01	1.87
4175.00	129.60	1620.00	119.80	129.60	.00	2.65
4175.00	130.66	2880.00	119.80	130.67	.01	1.06
4550.00	125.30	630.00	119.80	125.31	.01	0
4550.00	127.05	1220.00	119.80	127.05	.01	1.74
4550.00	129.62	1620.00	119.80	129.63	.00	2.58
4550.00	130.70	2880.00	119.80	130.71	.01	1.08
4900.00	125.46	630.00	119.80	125.47	.01	0
4900.00	127.13	1220.00	119.80	127.14	.01	1.67
4900.00	129.64	1620.00	119.80	129.65	.00	2.52
4900.00	130.75	2880.00	119.80	130.76	.01	1.10
5250.00	125.57	630.00	121.60	125.91	.33	0
5250.00	127.13	1220.00	121.60	127.43	.30	1.56
5250.00	129.65	1620.00	121.60	129.72	.07	2.52
5250.00	130.77	2880.00	121.60	130.87	.10	1.12
5251.00	125.56	630.00	121.60	125.92	.36	0
5251.00	<del>126.88</del>	1220.00	121.60	127.54	.66	1.32
5251.00	129.68	1620.00	121.60	129.75	.15	2.72
5251.00	130.67	2880.00	121.60	130.92	.25	1.07
5300.00	125.64	630.00	121.60	125.98	.34	0
5300.00	129.02	1220.00	121.60	129.31	.29	3.38
5300.00	131.40	1620.00	121.60	131.45	.05	2.38
5300.00	132.17	2880.00	121.60	132.28	.11	.77
5301.00	125.67	630.00	121.60	125.98	.31	0
5301.00	129.26	1220.00	121.60	129.33	.07	3.59
5301.00	131.42	1620.00	121.60	131.45	.03	2.16
5301.00	132.23	2880.00	121.60	132.29	.06	.81
5302.00	125.68	630.00	121.60	125.99	.31	0
5302.00	129.27	1220.00	121.60	129.34	.07	3.59
5302.00	131.42	1620.00	121.60	131.45	.03	2.16
5302.00	132.23	2880.00	121.60	132.29	.06	.81
5305.00	125.70	630.00	121.60	126.00	.31	0
5305.00	129.27	1220.00	121.60	129.34	.07	3.57
5305.00	131.43	1620.00	121.60	131.45	.03	2.16
5305.00	132.23	2880.00	121.60	132.29	.06	.81
5310.00	125.73	630.00	121.60	126.03	.30	0
5310.00	129.27	1220.00	121.60	129.34	.07	3.54
5310.00	131.43	1620.00	121.60	131.46	.03	2.16
5310.00	132.23	2880.00	121.60	132.29	.06	.81

Mc-han





SECNO	CHSEL	O	ELMIN	EG	HV	DIFWSP
7200.00	132.46	370.00	130.00	132.70	.24	0
7200.00	133.08	740.00	130.00	133.36	.28	.62
7200.00	133.39	990.00	130.00	133.71	.32	.31
7200.00	134.31	1850.00	130.00	134.73	.42	.92
7450.00	134.99	370.00	131.00	135.36	.37	0
7450.00	135.98	740.00	131.00	136.74	.76	.98
7450.00	136.45	990.00	131.00	137.42	.97	.47
7450.00	137.81	1850.00	131.00	138.88	1.07	1.36
7500.00	135.37	350.00	131.50	135.65	.28	0
7500.00	136.62	710.00	131.50	137.15	.53	1.25
7500.00	137.20	940.00	131.50	137.89	.69	.58
7500.00	137.98	1770.00	131.50	139.68	1.71	.78
7750.00	137.15	350.00	133.50	137.56	.41	0
7750.00	138.33	710.00	133.50	138.51	.18	1.19
7750.00	138.94	940.00	133.50	139.07	.13	.60
7750.00	140.71	1770.00	133.50	140.81	.10	1.77
8350.00	140.11	330.00	135.50	140.17	.06	0
8350.00	140.75	670.00	135.50	140.84	.09	.64
8350.00	141.06	880.00	135.50	141.16	.10	.31
8350.00	142.21	1670.00	135.50	142.34	.13	1.15
8750.00	141.30	330.00	137.00	141.44	.14	0
8750.00	142.18	670.00	137.00	142.34	.16	.88
8750.00	142.59	880.00	137.00	142.76	.17	.41
8750.00	143.75	1670.00	137.00	143.97	.22	1.16
9590.00	145.13	300.00	141.00	145.34	.21	0
9590.00	146.23	610.00	141.00	146.55	.31	1.11
9590.00	146.74	810.00	141.00	147.09	.35	.51
9590.00	148.11	1540.00	141.00	148.55	.43	1.37
10400.00	149.12	280.00	143.80	149.55	.43	0
10400.00	150.71	590.00	143.80	151.29	.57	1.59
10400.00	151.33	780.00	143.80	151.90	.57	.62
10400.00	152.74	1490.00	143.80	153.23	.49	1.42
11050.00	151.96	270.00	145.40	152.12	.16	0
11050.00	153.53	560.00	145.40	153.69	.16	1.58
11050.00	154.11	750.00	145.40	154.27	.16	.58
11050.00	155.47	1430.00	145.40	155.64	.18	1.36
11800.00	155.14	260.00	149.00	155.89	.74	0
* 11800.00	156.33	540.00	149.00	157.89	1.56	1.18
* 11800.00	157.42	710.00	149.00	158.59	1.17	1.09
* 11800.00	158.93	1360.00	149.00	159.86	.93	1.51
12200.00	156.40	260.00	151.80	156.56	.17	0
12200.00	158.34	540.00	151.80	158.59	.25	1.94
12200.00	158.95	710.00	151.80	159.29	.34	.61
12200.00	160.06	1360.00	151.80	160.89	.83	1.11

SECNO	CWSEL	Q	ELMIN	EG	HV	DIFWSP
* 12250.00	170.34	260.00	151.80	170.34	.00	0
* 12250.00	172.53	540.00	151.80	172.53	.00	2.19
* 12250.00	172.80	710.00	151.80	172.80	.00	.26
* 12250.00	173.49	1360.00	151.80	173.49	.01	.69
12265.00	170.34	260.00	160.00	170.34	.00	0
12265.00	172.53	540.00	160.00	172.53	.00	2.19
12265.00	172.80	710.00	160.00	172.80	.00	.26
12265.00	173.49	1360.00	160.00	173.49	.00	.69
13115.00	170.34	230.00	160.00	170.34	.00	0
13115.00	172.53	480.00	160.00	172.53	.00	2.19
13115.00	172.80	640.00	160.00	172.80	.00	.27
13115.00	173.50	1240.00	160.00	173.51	.01	.70
* 13465.00	169.98	230.00	167.30	171.33	1.35	0
* 13465.00	171.33	480.00	167.30	173.13	1.80	1.36
* 13465.00	172.17	640.00	167.30	174.24	2.07	.83
* 13465.00	174.90	1240.00	167.30	177.09	2.19	2.73
* 13500.00	171.22	230.00	167.30	171.85	.63	0
* 13500.00	177.82	480.00	167.30	177.91	.09	6.60
* 13500.00	178.26	640.00	167.30	178.38	.12	.44
* 13500.00	178.90	1240.00	167.30	179.24	.34	.64
13550.00	171.75	230.00	167.30	171.95	.20	0
13550.00	177.89	480.00	167.30	177.92	.02	6.14
13550.00	178.37	640.00	167.30	178.39	.03	.47
13550.00	179.22	1240.00	167.30	179.28	.06	.85
* 13850.00	174.63	230.00	172.00	175.06	.43	0
13850.00	177.95	480.00	172.00	177.96	.02	3.32
13850.00	178.43	640.00	172.00	178.46	.02	.49
13850.00	179.35	1240.00	172.00	179.40	.05	.92
14300.00	178.92	200.00	176.00	179.08	.16	0
* 14300.00	179.10	440.00	176.00	179.65	.55	.18
* 14300.00	179.34	580.00	176.00	179.95	.62	.24
* 14300.00	180.12	1130.00	176.00	180.84	.72	.78
14800.00	183.38	200.00	181.50	183.57	.19	0
14800.00	184.43	440.00	181.50	184.55	.12	1.05
14800.00	184.76	580.00	181.50	184.90	.13	.33
14800.00	185.69	1130.00	181.50	185.88	.19	.93
15300.00	187.97	180.00	185.00	189.04	1.06	0
* 15300.00	189.77	400.00	185.00	191.21	1.44	1.79
* 15300.00	190.74	530.00	185.00	192.00	1.26	.97
* 15300.00	192.31	1040.00	185.00	193.84	1.53	1.57
* 15350.00	194.71	180.00	185.00	194.73	.01	0
* 15350.00	195.28	400.00	185.00	195.32	.04	.56
* 15350.00	195.48	530.00	185.00	195.54	.06	.20
15350.00	195.99	1040.00	185.00	196.17	.18	.51

SECNO	CWSEL	Q	ELMIN	EG	HV	DIFWSP
15400.00	194.72	180.00	185.00	194.73	.01	0
15400.00	195.30	400.00	185.00	195.32	.02	.58
15400.00	195.52	530.00	185.00	195.55	.03	.22
15400.00	196.11	1040.00	185.00	196.20	.09	.59
15900.00	194.74	180.00	187.00	194.74	.00	0
15900.00	195.36	400.00	187.00	195.36	.01	.62
15900.00	195.60	530.00	187.00	195.61	.01	.24
15900.00	196.33	1040.00	187.00	196.36	.03	.73
* 16400.00	195.04	170.00	193.00	195.51	.48	0
* 16400.00	195.71	370.00	193.00	196.37	.66	.67
* 16400.00	196.08	500.00	193.00	196.77	.69	.38
* 16400.00	196.92	980.00	193.00	197.83	.91	.84
16750.00	197.49	170.00	194.60	197.55	.06	0
16750.00	198.47	370.00	194.60	198.57	.10	.98
16750.00	198.92	500.00	194.60	199.04	.12	.45
16750.00	200.16	980.00	194.60	200.34	.18	1.24
17050.00	198.82	170.00	196.60	199.01	.19	0
17050.00	199.76	370.00	196.60	199.97	.21	.94
17050.00	200.23	500.00	196.60	200.46	.23	.47
17050.00	201.51	980.00	196.60	201.79	.28	1.28
17350.00	201.65	160.00	199.00	201.92	.27	0
17350.00	202.36	360.00	199.00	202.80	.43	.71
17350.00	202.68	470.00	199.00	203.16	.48	.32
17350.00	203.71	920.00	199.00	204.30	.59	1.03
17650.00	202.26	160.00	199.50	203.07	.82	0
* 17650.00	203.43	360.00	199.50	205.06	1.64	1.17
* 17650.00	204.14	470.00	199.50	205.98	1.84	.71
* 17650.00	206.95	920.00	199.50	208.47	1.52	2.81
17700.00	203.00	160.00	199.50	203.51	.51	0
* 17700.00	207.34	360.00	199.50	207.52	.18	4.34
* 17700.00	207.74	470.00	199.50	207.97	.23	.40
* 17700.00	207.90	920.00	199.50	208.68	.78	.17
17750.00	203.38	160.00	199.50	203.60	.21	0
17750.00	207.50	360.00	199.50	207.54	.03	4.12
17750.00	207.96	470.00	199.50	208.00	.03	.46
17750.00	208.72	920.00	199.50	208.78	.06	.75
* 18000.00	206.27	160.00	204.00	206.57	.30	0
18000.00	207.61	360.00	204.00	207.68	.07	1.34
18000.00	208.07	470.00	204.00	208.14	.07	.46
18000.00	208.91	920.00	204.00	209.02	.11	.84
18300.00	208.60	150.00	206.00	208.68	.08	0
18300.00	208.77	340.00	206.00	209.05	.28	.18
18300.00	209.03	440.00	206.00	209.30	.27	.26
18300.00	209.99	870.00	206.00	210.24	.25	.96

SECNO	CWSEL	Q	ELMIN	EQ	HV	DIFWSP
18650.00	210.40	150.00	207.60	210.92	.51	0
18650.00	211.66	340.00	207.60	212.10	.44	1.26
18650.00	211.92	440.00	207.60	212.44	.52	.26
18650.00	212.66	870.00	207.60	213.50	.84	.73
18950.00	212.18	150.00	208.60	212.35	.16	0
18950.00	213.17	340.00	208.60	213.39	.22	.98
18950.00	213.57	440.00	208.60	213.81	.24	.40
18950.00	214.83	870.00	208.60	215.10	.27	1.26
* 19250.00	214.51	150.00	212.00	215.17	.67	0
* 19250.00	215.53	340.00	212.00	216.47	.94	1.02
* 19250.00	215.94	440.00	212.00	216.96	1.02	.41
* 19250.00	217.37	870.00	212.00	218.46	1.09	1.43

SUMMARY PRINTOUT

BRANSONS BR ABOVE LAKE F

SECNO	DIFWSP	SSTA	STCHL	STCHR	ENDST	TOPWID
1.00	0	598.67	598.00	679.00	678.34	79.67
1.00	.76	598.49	598.00	679.00	678.53	80.04
1.00	.39	598.40	598.00	679.00	802.65	83.45
1.00	1.76	154.78	598.00	679.00	893.56	626.03
2.00	0	35.70	50.00	760.00	785.75	750.05
2.00	1.18	30.52	50.00	760.00	793.11	762.59
2.00	.61	27.45	50.00	760.00	796.94	769.48
2.00	1.35	18.58	50.00	760.00	805.35	786.77
3.00	0	35.70	50.00	760.00	785.76	750.06
3.00	1.18	30.51	50.00	760.00	793.11	762.60
3.00	.61	27.44	50.00	760.00	796.94	769.50
3.00	1.35	18.58	50.00	760.00	805.35	786.77
4.00	0	35.70	50.00	760.00	785.76	750.06
4.00	1.18	30.51	50.00	760.00	793.11	762.60
4.00	.61	27.44	50.00	760.00	796.94	769.50
4.00	1.35	18.58	50.00	760.00	805.35	786.77
5.00	0	35.70	50.00	760.00	785.76	750.06
5.00	1.18	30.51	50.00	760.00	793.11	762.60
5.00	.61	27.44	50.00	760.00	796.94	769.50
5.00	1.35	18.58	50.00	760.00	805.35	786.77
10.00	0	35.70	50.00	760.00	785.76	750.06
10.00	1.18	30.51	50.00	760.00	793.11	762.60
10.00	.61	27.44	50.00	760.00	796.94	769.50
10.00	1.35	18.58	50.00	760.00	805.35	786.77
20.00	0	35.70	50.00	760.00	785.76	750.06
20.00	1.18	30.51	50.00	760.00	793.11	762.60
20.00	.61	27.44	50.00	760.00	796.94	769.50
20.00	1.35	18.58	50.00	760.00	805.35	786.77
50.00	0	35.70	50.00	760.00	785.76	750.06
50.00	1.18	30.51	50.00	760.00	793.11	762.61
50.00	.61	27.44	50.00	760.00	796.94	769.50
50.00	1.35	18.58	50.00	760.00	805.35	786.77
1500.00	0	57.95	75.00	480.00	575.83	517.88
1500.00	1.18	49.71	75.00	480.00	593.49	543.78
1500.00	.61	45.41	75.00	480.00	602.69	557.27
1500.00	1.35	35.99	75.00	480.00	622.89	586.90
3000.00	0	102.75	130.00	310.00	383.11	280.36
3000.00	1.18	81.91	130.00	310.00	401.31	319.40
3000.00	.61	69.61	130.00	310.00	408.99	339.38
3000.00	1.35	33.84	130.00	310.00	425.90	392.06
3300.00	0	179.50	179.50	200.00	456.70	277.20
3300.00	1.19	175.59	179.50	200.00	459.84	284.25
3300.00	.62	169.79	179.50	200.00	461.50	291.71
3300.00	1.37	157.17	179.50	200.00	468.69	311.52

SECNO	DIFWSP	SSTA	STCHL	STCHR	ENDST	TOPWID
3350.00	0	179.50	179.50	200.00	200.00	20.50
3350.00	.07	179.50	179.50	200.00	200.00	20.50
3350.00	2.40	168.88	179.50	200.00	461.76	292.89
3350.00	1.21	157.70	179.50	200.00	468.05	310.35
3350.00	0	179.50	179.50	200.00	200.00	20.50
3350.00	.82	179.50	179.50	200.00	200.00	20.50
3350.00	4.43	179.50	179.50	200.00	547.53	368.03
3350.00	1.26	109.12	179.50	200.00	586.07	476.95
3355.00	0	179.50	179.50	200.00	457.58	278.08
3355.00	2.04	164.64	179.50	200.00	462.97	298.33
3355.00	2.56	132.31	179.50	200.00	547.79	415.48
3355.00	1.29	108.33	179.50	200.00	587.37	479.04
3360.00	0	179.50	179.50	200.00	457.58	278.08
3360.00	2.04	164.60	179.50	200.00	462.99	298.38
3360.00	2.56	132.31	179.50	200.00	547.80	415.49
3360.00	1.29	108.32	179.50	200.00	587.39	479.07
3400.00	0	179.50	179.50	200.00	457.60	278.10
3400.00	2.04	164.54	179.50	200.00	463.08	298.47
3400.00	2.55	132.24	179.50	200.00	547.91	415.66
3400.00	1.29	108.20	179.50	200.00	587.58	479.38
3650.00	0	284.98	282.00	317.00	316.35	31.37
3650.00	2.19	282.41	282.00	317.00	493.94	211.53
3650.00	2.62	247.51	282.00	317.00	624.37	376.85
3650.00	1.32	203.63	282.00	317.00	664.55	460.92
3700.00	0	288.46	288.10	310.90	310.73	22.28
3700.00	1.68	288.16	288.10	310.90	310.90	22.74
3700.00	2.36	252.92	288.10	310.90	618.29	365.37
3700.00	1.20	215.47	288.10	310.90	648.40	432.92
3750.00	0	288.35	288.10	310.90	310.87	22.51
3750.00	2.03	288.10	288.10	310.90	310.90	22.80
3750.00	4.48	80.71	288.10	310.90	712.34	631.62
3750.00	.96	50.00	288.10	310.90	727.56	677.56
3751.00	0	288.35	288.10	310.90	310.87	22.51
3751.00	3.75	246.17	288.10	310.90	625.38	379.21
3751.00	2.83	63.41	288.10	310.90	713.43	650.02
3751.00	1.03	50.00	288.10	310.90	729.72	679.72
3755.00	0	288.32	288.10	310.90	338.46	50.14
3755.00	3.55	246.01	288.10	310.90	625.49	379.49
3755.00	2.83	63.31	288.10	310.90	713.44	650.13
3755.00	1.03	50.00	288.10	310.90	729.74	679.74
3760.00	0	288.28	288.10	310.90	380.53	92.25
3760.00	3.34	245.88	288.10	310.90	625.59	379.71
3760.00	2.83	63.13	288.10	310.90	713.45	650.33
3760.00	1.03	50.00	288.10	310.90	729.76	679.76

SECNO	DIFWSP	SSTA	STCHL	STCHR	ENDST	TOPWID
3800.00	0	288.12	288.10	310.90	515.25	227.13
3800.00	2.47	244.88	288.10	310.90	626.34	381.47
3800.00	2.80	61.69	288.10	310.90	713.54	651.85
3800.00	1.03	50.00	288.10	310.90	729.91	679.91
4175.00	0	49.49	300.00	313.00	518.64	464.57
4175.00	1.87	38.31	300.00	313.00	590.32	552.01
4175.00	2.65	32.00	300.00	313.00	600.00	568.00
4175.00	1.06	32.00	300.00	313.00	600.00	568.00
4550.00	0	48.19	300.00	313.00	526.98	478.79
4550.00	1.74	37.73	300.00	313.00	594.07	556.34
4550.00	2.58	32.00	300.00	313.00	600.00	568.00
4550.00	1.08	32.00	300.00	313.00	600.00	568.00
4900.00	0	47.26	300.00	313.00	532.96	485.70
4900.00	1.67	37.18	300.00	313.00	597.55	560.37
4900.00	2.52	32.00	300.00	313.00	600.00	568.00
4900.00	1.10	32.00	300.00	313.00	600.00	568.00
5250.00	0	388.78	475.00	520.00	516.53	100.00
5250.00	1.56	362.75	475.00	520.00	518.38	155.63
5250.00	2.52	269.64	475.00	520.00	685.01	415.37
5250.00	1.12	213.76	475.00	520.00	717.50	503.73
5251.00	0	475.86	475.00	520.00	516.52	40.66
5251.00	1.32	475.00	475.00	520.00	518.08	43.08
5251.00	2.72	271.56	475.00	520.00	679.63	408.06
5251.00	1.07	220.69	475.00	520.00	715.52	494.83
5300.00	0	475.75	475.00	520.00	516.60	40.85
5300.00	3.38	475.00	475.00	520.00	520.00	45.00
5300.00	2.38	200.00	475.00	520.00	728.54	528.54
5300.00	.77	200.00	475.00	520.00	742.32	542.32
5301.00	0	387.10	475.00	520.00	516.65	107.56
5301.00	3.59	283.38	475.00	520.00	648.66	365.28
5301.00	2.16	200.00	475.00	520.00	729.01	529.01
5301.00	.81	200.00	475.00	520.00	743.39	543.39
5302.00	0	387.05	475.00	520.00	516.65	107.78
5302.00	3.59	283.36	475.00	520.00	648.69	365.32
5302.00	2.16	200.00	475.00	520.00	729.01	529.01
5302.00	.81	200.00	475.00	520.00	743.40	543.40
5305.00	0	386.79	475.00	520.00	516.67	108.83
5305.00	3.57	283.29	475.00	520.00	648.77	365.48
5305.00	2.16	200.00	475.00	520.00	729.03	529.03
5305.00	.81	200.00	475.00	520.00	743.42	543.42
5310.00	0	386.27	475.00	520.00	516.71	111.02
5310.00	3.54	283.16	475.00	520.00	648.90	365.74
5310.00	2.16	200.00	475.00	520.00	729.05	529.05
5310.00	.81	200.00	475.00	520.00	743.47	543.47



SECNO	DIFWSP	BSTA	STCHL	STCHR	ENDBT	TOPWID
5350.00	0	382.31	475.00	520.00	510.99	127.53
5350.00	3.34	282.17	475.00	920.00	649.98	367.61
5350.00	2.14	280.00	475.00	920.00	729.23	529.23
5350.00	.82	280.00	475.00	920.00	743.81	543.81
5550.00	0	64.59	0	113.00	257.21	192.52
5550.00	2.75	43.99	0	113.00	295.68	251.69
5550.00	2.03	0	0	113.00	323.68	323.68
5550.00	.87	0	0	113.00	334.64	334.64
5725.00	0	77.39	198.00	215.00	395.04	317.65
5725.00	2.55	53.23	198.00	215.00	411.77	358.54
5725.00	1.99	50.00	198.00	215.00	415.00	369.00
5725.00	.92	50.00	198.00	215.00	415.00	369.00
6050.00	0	106.66	198.00	215.00	271.24	164.58
6050.00	2.26	45.01	198.00	215.00	392.10	347.08
6050.00	1.91	7.64	198.00	215.00	426.18	418.54
6050.00	.99	0	198.00	215.00	430.00	430.00
6350.00	0	97.82	298.00	315.00	438.12	348.30
6350.00	.86	77.36	298.00	315.00	459.90	382.54
6350.00	1.52	62.19	298.00	315.00	516.81	454.62
6350.00	1.07	51.48	298.00	315.00	539.91	488.43
6550.00	0	113.12	298.00	315.00	427.92	314.81
6550.00	.75	98.70	298.00	315.00	442.87	352.16
6550.00	1.25	71.18	298.00	315.00	483.07	411.88
6550.00	1.10	60.08	298.00	315.00	524.70	464.63
6650.00	0	108.61	298.00	315.00	430.93	322.32
6650.00	.64	89.30	298.00	315.00	443.80	354.50
6650.00	1.00	73.84	298.00	315.00	476.08	403.04
6650.00	1.11	61.96	298.00	315.00	517.65	455.69
6750.00	0	107.40	298.00	315.00	431.73	324.33
6750.00	.63	88.32	298.00	315.00	444.46	356.14
6750.00	.82	74.70	298.00	315.00	469.87	395.17
6750.00	1.11	63.69	298.00	315.00	511.18	447.49
6850.00	0	106.96	298.00	315.00	432.02	325.06
6850.00	.62	88.07	298.00	315.00	444.62	356.54
6850.00	.67	76.04	298.00	315.00	464.83	388.79
6850.00	1.10	65.01	298.00	315.00	506.22	441.21
6950.00	0	111.16	298.00	315.00	429.22	318.06
6950.00	.61	92.96	298.00	315.00	441.36	348.40
6950.00	.55	78.87	298.00	315.00	454.26	375.39
6950.00	1.08	68.07	298.00	315.00	494.73	426.66
7050.00	0	105.95	298.00	315.00	432.70	326.74
7050.00	.61	88.11	298.00	315.00	444.59	356.48
7050.00	.45	78.14	298.00	315.00	456.99	378.85
7050.00	1.04	67.71	298.00	315.00	496.10	428.39

SECNO	DIFWSP	999*	STCML	STCHR*	EMDST	TORPID
7200.00	0	175.43	295.00	305.00	323.43	147.99
7200.00	.62	169.15	295.00	305.00	320.14	150.98
7200.00	.31	166.04	295.00	305.00	330.47	164.42
7200.00	.92	156.89	295.00	305.00	330.00	181.99
7450.00	0	282.51	290.00	315.00	314.25	31.73
7450.00	.98	277.56	290.00	315.00	340.18	71.62
7450.00	.47	275.20	290.00	315.00	302.23	107.03
7450.00	1.36	240.96	290.00	315.00	457.35	216.40
7500.00	0	382.88	390.00	415.00	420.08	37.20
7500.00	1.25	379.14	390.00	415.00	422.76	43.61
7500.00	.56	377.43	390.00	415.00	423.98	46.55
7500.00	.78	375.09	390.00	415.00	425.68	50.63
7750.00	0	154.18	200.00	215.00	295.32	141.14
7750.00	1.19	132.53	200.00	215.00	357.47	224.93
7750.00	.60	127.98	200.00	215.00	362.02	234.03
7750.00	1.77	112.95	200.00	215.00	380.57	267.62
8350.00	0	134.17	200.00	215.00	355.83	221.66
8350.00	.64	129.34	200.00	215.00	360.66	231.33
8350.00	.31	127.04	200.00	215.00	362.96	235.92
8350.00	1.15	117.86	200.00	215.00	373.21	255.35
8750.00	0	182.22	200.00	213.00	322.43	140.21
8750.00	.88	176.93	200.00	213.00	344.45	167.52
8750.00	.41	174.45	200.00	213.00	354.79	180.34
8750.00	1.16	167.49	200.00	213.00	383.79	216.29
9590.00	0	74.36	100.00	114.00	142.56	68.20
9590.00	1.11	69.97	100.00	114.00	164.60	98.63
9590.00	.51	57.11	100.00	114.00	174.73	117.63
9590.00	1.37	34.72	100.00	114.00	203.08	168.36
10400.00	0	87.55	100.00	112.00	114.96	27.40
10400.00	1.59	82.16	100.00	112.00	160.81	78.65
10400.00	.62	80.08	100.00	112.00	213.74	133.66
10400.00	1.42	75.22	100.00	112.00	263.04	187.82
11050.00	0	83.35	100.00	112.00	144.28	60.93
11050.00	1.58	77.97	100.00	112.00	250.60	172.63
11050.00	.58	76.01	100.00	112.00	259.45	183.44
11050.00	1.36	70.75	100.00	112.00	280.30	209.55
11800.00	0	173.85	173.00	185.00	187.88	14.03
11800.00	1.18	172.51	173.00	185.00	203.97	31.46
11800.00	1.09	170.87	173.00	185.00	250.40	79.53
11800.00	1.51	158.32	173.00	185.00	314.72	156.40
12200.00	0	185.00	185.00	210.00	210.00	25.00
12200.00	1.94	176.94	185.00	210.00	211.34	34.41
12200.00	.61	175.51	185.00	210.00	212.45	36.95
12200.00	1.11	172.90	185.00	210.00	214.48	41.58

SECNO	DIFWSP	STTA	STCHL	STCHR	ENDST	TOPWID
* 12250.00	0	55.26	185.00	210.00	347.61	292.35
* 12250.00	2.19	42.72	185.00	210.00	354.85	312.13
* 12250.00	.26	41.37	185.00	210.00	355.75	314.38
* 12250.00	.69	37.83	185.00	210.00	358.11	320.29
12265.00	0	79.13	85.00	320.00	332.60	253.47
12265.00	2.19	70.99	85.00	320.00	347.68	276.69
12265.00	.26	68.99	85.00	320.00	349.80	280.01
12265.00	.69	63.78	85.00	320.00	352.48	288.70
13115.00	0	47.48	51.00	192.00	199.57	152.09
13115.00	2.19	42.59	51.00	192.00	208.61	166.02
13115.00	.27	41.39	51.00	192.00	209.41	168.02
13115.00	.70	38.24	51.00	192.00	211.51	173.27
* 13465.00	0	396.00	396.00	405.20	405.20	9.20
* 13465.00	1.36	388.61	396.00	405.20	414.47	25.86
* 13465.00	.83	385.23	396.00	405.20	419.89	34.66
* 13465.00	2.73	337.54	396.00	405.20	437.64	100.09
* 13500.00	0	396.00	396.00	405.20	405.20	9.20
* 13500.00	6.60	248.89	396.00	405.20	474.29	225.40
* 13500.00	.44	224.67	396.00	405.20	484.67	260.00
* 13500.00	.64	195.20	396.00	405.20	500.04	304.83
13550.00	0	388.22	396.00	405.20	417.25	29.03
13550.00	6.14	244.72	396.00	405.20	476.07	231.35
13550.00	.47	218.53	396.00	405.20	487.30	268.76
13550.00	.85	187.68	396.00	405.20	508.82	321.14
* 13850.00	0	154.85	195.00	205.00	241.30	86.44
13850.00	3.32	80.85	195.00	205.00	279.31	198.46
13850.00	.49	70.30	195.00	205.00	283.23	212.93
13850.00	.92	49.56	195.00	205.00	298.15	240.58
14300.00	0	145.64	195.00	205.00	244.17	98.53
* 14300.00	.18	139.89	195.00	205.00	245.97	106.08
* 14300.00	.24	132.20	195.00	205.00	248.38	116.18
* 14300.00	.78	109.17	195.00	205.00	256.47	147.30
14800.00	0	268.32	300.00	304.00	361.82	93.50
14800.00	1.05	241.65	300.00	304.00	366.59	124.94
14800.00	.33	233.41	300.00	304.00	368.08	134.67
14800.00	.93	210.23	300.00	304.00	372.28	162.05
15300.00	0	288.96	296.00	300.00	309.23	20.27
* 15300.00	1.79	284.73	296.00	300.00	333.03	48.30
* 15300.00	.97	281.06	296.00	300.00	350.45	69.39
* 15300.00	1.57	268.41	296.00	300.00	367.52	99.11
* 15350.00	0	240.00	296.00	300.00	393.70	153.70
* 15350.00	.56	197.72	296.00	300.00	399.76	202.04
* 15350.00	.20	191.83	296.00	300.00	401.89	210.06
15350.00	.51	176.78	296.00	300.00	407.33	230.55

SECNO	DIFWSP	SSTA	STCHL	STCHR	ENDST	TOPWID
15400.00	0	239.84	295.00	305.00	393.72	153.87
15400.00	.98	198.94	295.00	305.00	400.04	203.11
15400.00	.22	198.61	295.00	305.00	402.33	211.72
15400.00	.59	173.13	295.00	305.00	408.66	235.53
15900.00	0	137.93	305.00	315.00	353.68	215.74
15900.00	.62	119.41	305.00	315.00	356.77	237.36
15900.00	.24	112.14	305.00	315.00	357.98	245.84
15900.00	.73	90.98	305.00	315.00	361.64	270.67
* 16400.00	0	74.45	103.00	113.00	132.96	58.52
* 16400.00	.67	64.38	103.00	113.00	141.35	76.97
* 16400.00	.38	58.74	103.00	113.00	146.05	87.31
* 16400.00	.84	46.18	103.00	113.00	156.51	110.33
16750.00	0	52.58	100.00	106.00	132.14	79.56
16750.00	.98	43.94	100.00	106.00	138.03	94.09
16750.00	.45	39.92	100.00	106.00	142.35	102.43
16750.00	1.24	28.64	100.00	106.00	158.85	130.21
17050.00	0	58.11	100.00	106.00	128.16	70.05
17050.00	.94	50.29	100.00	106.00	133.79	83.50
17050.00	.47	46.09	100.00	106.00	136.60	90.51
17050.00	1.28	34.57	100.00	106.00	152.14	117.58
17350.00	0	106.08	135.00	145.00	166.53	60.45
17350.00	.71	94.56	135.00	145.00	173.63	79.07
17350.00	.32	89.82	135.00	145.00	176.79	86.97
17350.00	1.03	74.27	135.00	145.00	187.15	112.88
17650.00	0	295.00	295.00	303.00	303.00	8.00
* 17650.00	1.17	293.33	295.00	303.00	325.26	31.93
* 17650.00	.71	293.03	295.00	303.00	332.39	39.37
* 17650.00	2.81	219.39	295.00	303.00	431.37	211.98
17700.00	0	295.00	295.00	303.00	303.00	8.00
* 17700.00	4.34	199.62	295.00	303.00	455.62	256.00
* 17700.00	.40	195.34	295.00	303.00	465.20	269.86
* 17700.00	.17	193.50	295.00	303.00	469.32	275.82
17750.00	0	193.34	295.00	303.00	324.92	31.57
17750.00	4.12	197.83	295.00	303.00	459.62	261.80
17750.00	.46	192.96	295.00	303.00	470.51	277.54
17750.00	.75	184.94	295.00	303.00	488.46	303.51
* 18000.00	0	83.01	110.00	120.00	193.99	110.98
18000.00	1.34	72.93	110.00	120.00	214.14	141.21
18000.00	.46	69.29	110.00	120.00	220.71	151.42
18000.00	.84	60.89	110.00	120.00	229.11	168.22
18300.00	0	80.47	110.00	120.00	199.07	118.60
18300.00	.18	79.18	110.00	120.00	201.64	122.47
18300.00	.26	77.27	110.00	120.00	205.46	128.19
18300.00	.96	70.09	110.00	120.00	219.82	149.73

SECNO	DIFWSP	SSTA	STCHL	STCHR	ENDST	TOPWID
18650.00	0	189.98	200.00	211.00	225.72	35.74
18650.00	1.26	184.84	200.00	211.00	255.87	71.83
18650.00	.26	182.82	200.00	211.00	261.73	78.91
18650.00	.73	179.31	200.00	211.00	278.56	99.26
18950.00	0	186.27	200.00	211.00	244.83	58.56
18950.00	.98	181.61	200.00	211.00	267.51	85.90
18950.00	.40	179.71	200.00	211.00	276.67	96.96
18950.00	1.26	173.79	200.00	211.00	305.69	131.90
* 19250.00	0	85.40	100.00	110.00	109.51	24.11
* 19250.00	1.02	76.10	100.00	110.00	114.77	38.67
* 19250.00	.41	72.35	100.00	110.00	117.46	45.11
* 19250.00	1.43	59.39	100.00	110.00	200.00	95.75

2025 RELEASE UNDER E.O. 14176

FLOOD INSURANCE ZONE DATA FOR BRANSONS BR ABOVE LAKE E

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
		10'	20'	0.2'
1.000	0	-1.1	-.4	1.8
2.000	1.	-1.8	-.6	1.3
3.000	2.	-1.6	-.6	1.3
4.000	3.	-1.8	-.6	1.3
5.000	4.	-1.8	-.6	1.3
10.000	9.	-1.8	-.6	1.3
20.000	19.	-1.8	-.6	1.3
50.000	49.	-1.8	-.6	1.3
1500.000	1549.	-1.8	-.6	1.3
3000.000	3049.	-1.8	-.6	1.4
3300.000	3349.	-1.8	-.6	1.4
3350.000	3399.	-2.3	-2.4	1.2
3350.000	3449.	-5.3	-4.4	1.3
3355.000	3454.	-4.6	-2.6	1.3
3360.000	3459.	-4.6	-2.6	1.3
3400.000	3499.	-4.6	-2.6	1.3
3650.000	3749.	-4.8	-2.6	1.3
3700.000	3799.	-4.0	-2.4	1.2
3750.000	3849.	-6.5	-4.5	1.0
3751.000	3850.	-6.6	-2.8	1.0
3755.000	3854.	-6.4	-2.8	1.0
3760.000	3859.	-6.2	-2.8	1.0
3800.000	3899.	-5.3	-2.8	1.0
4175.000	4274.	-4.5	-2.6	1.1
4550.000	4649.	-4.3	-2.6	1.1
4900.000	4999.	-4.2	-2.5	1.1
5250.000	5349.	-4.1	-2.5	1.1
5251.000	5350.	-4.0	-2.7	1.1
5300.000	5399.	-5.8	-2.4	.8
5301.000	5400.	-5.8	-2.2	.8
5302.000	5401.	-5.7	-2.2	.8
5303.000	5404.	-5.7	-2.2	.8
5310.000	5409.	-5.7	-2.2	.8
5350.000	5449.	-5.5	-2.1	.8
5550.000	5649.	-4.8	-2.0	.9
5725.000	5824.	-4.5	-2.0	.9
6050.000	6149.	-4.2	-1.9	1.0
6350.000	6449.	-2.4	-1.5	1.1
6550.000	6649.	-2.0	-1.2	1.1
6650.000	6749.	-1.6	-1.0	1.1
6750.000	6849.	-1.4	-.8	1.1
6850.000	6949.	-1.3	-.7	1.1
6950.000	7049.	-1.2	-.5	1.1
7050.000	7149.	-1.1	-.4	1.0
7200.000	7299.	-.9	-.3	.9
7450.000	7549.	-1.5	-.5	1.4
7500.000	7599.	-1.8	-.6	.8
7750.000	7849.	-1.8	-.6	1.8
8350.000	8449.	-.9	-.3	1.2
8750.000	8849.	-1.3	-.4	1.2
9590.000	9689.	-1.6	-.5	1.4
10400.000	10499.	-2.2	-.6	1.4

11000.000	11000.	-2.3	-1.1	1.5		
12200.000	12200.	-2.6	.6	1.1		
12250.000	12340.	-2.5	.3	.7		
12265.000	12344.	-2.5	.3	.7		
13115.000	13214.	-2.5	.3	.7		
13465.000	13564.	-2.2	.8	2.7		
13500.000	13599.	-7.0	.4	.6		
13550.000	13649.	-6.6	.5	.9		
13850.000	13949.	-3.8	.5	.9		
14300.000	14399.	.4	.2	.8		
14800.000	14899.	-1.4	.3	.9		
15300.000	15399.	-2.8	-1.0	1.6		
15350.000	15449.	-.8	.2	.5		
15400.000	15499.	-.8	.2	.6		
15900.000	15999.	-.9	.2	.7		
16400.000	16499.	-1.0	.4	.8		
16750.000	16849.	-1.4	.4	1.2		
17050.000	17149.	-1.4	.5	.3		
17350.000	17449.	-1.0	.3	1.0		
17650.000	17749.	-1.9	.7	2.8		
17700.000	17799.	-4.7	.4	.2		
17750.000	17849.	-4.6	.5	.8		
18000.000	18099.	-1.8	.5	.8		
18300.000	18399.	-.4	.3	1.0		
18650.000	18749.	-1.5	.3	.7		
18950.000	19049.	-1.4	.4	1.3		
19250.000	19349.	-1.4	.4	1.4		
WEIGHTED AVG FOR REACH				-2.2	.8	1.2

FHF FOR THE REACH = 020 WITH 65.7% OF THE REACH WITHIN 1.0 FEET  
 ZONE FOR THE REACH = A 4

CONTINUOUS FLOOD HAZARD FACTORS BY EVEN INCREMENTS

INC NO.	TOTAL LENGTH	AVG ELEVATION DATA			WTD. AVG.	FMR	PERCENT WITHIN
		10'	10'	DIFF.			
1	0	158.7	191.8	-33.1	-33.1	200	1.000
	1.					SEC.	100.
	2.					SEC.	2.000
	3.					SEC.	3.000
	4.					SEC.	4.000
	9.					SEC.	5.000
	19.					SEC.	10.000
	49.					SEC.	20.000
2	200.	121.7	123.5	-1.8	-17.5	170	50.000
3	300.	121.7	123.5	-1.8	-12.2	120	0
4	400.	121.7	123.5	-1.8	-9.8	099	0
5	500.	121.7	123.5	-1.8	-8.1	080	0
6	600.	121.7	123.5	-1.8	-7.0	070	0
7	700.	121.7	123.5	-1.8	-6.3	065	0
8	800.	121.7	123.5	-1.8	-5.7	059	0
9	900.	121.7	123.5	-1.8	-5.3	055	0
10	1000.	121.7	123.5	-1.8	-4.9	050	0
11	1100.	121.7	123.5	-1.8	-4.6	045	0
12	1200.	121.7	123.5	-1.8	-4.4	043	0
13	1300.	121.7	123.5	-1.8	-4.2	040	0

14	1400.	121.7	123.5	-1.8	-4.0	040	0
15	1500.	121.7	123.5	-1.8	-3.9	040	0
	1549.					SEC, 1500.000	
16	1600.	121.7	123.5	-1.8	-3.8	040	0
17	1700.	121.7	123.5	-1.8	-3.6	035	0
18	1800.	121.7	123.5	-1.8	-3.5	035	0
19	1900.	121.7	123.5	-1.8	-3.4	035	0
20	2000.	121.7	123.5	-1.8	-3.4	035	0
21	2100.	121.7	123.5	-1.8	-3.3	035	0
22	2200.	121.7	123.5	-1.8	-3.2	030	0
23	2300.	121.7	123.5	-1.8	-3.2	030	0
24	2400.	121.7	123.5	-1.8	-3.1	030	0
25	2500.	121.7	123.5	-1.8	-3.0	030	0
26	2600.	121.7	123.5	-1.8	-3.0	030	0
27	2700.	121.7	123.5	-1.8	-3.0	030	0
28	2800.	121.7	123.5	-1.8	-2.9	030	0
29	2900.	121.7	123.5	-1.8	-2.9	030	0
30	3000.	121.7	123.5	-1.8	-2.8	030	0
	3049.					SEC, 3000.000	
31	3100.	121.7	123.5	-1.8	-2.8	030	0
32	3200.	121.7	123.5	-1.8	-2.8	030	97.
33	3300.	121.7	123.5	-1.8	-2.7	025	97.
	3349.					SEC, 3300.000	
	3399.					SEC, 3350.000	
34	3400.	121.3	123.7	-2.4	-2.7	025	97.
	3449.					SEC, 3350.000	
	3454.					SEC, 3355.000	
	3459.					SEC, 3360.000	
	3499.					SEC, 3400.000	
35	3500.	122.1	126.7	-4.6	-2.8	030	94.
36	3600.	122.0	126.7	-4.6	-2.8	030	3.
37	3700.	121.9	126.7	-4.7	-2.9	030	3.
	3749.					SEC, 3650.000	
	3799.					SEC, 3700.000	
38	3800.	122.4	126.5	-4.1	-2.9	030	3.
	3849.					SEC, 3750.000	
	3850.					SEC, 3751.000	
	3854.					SEC, 3755.000	
	3859.					SEC, 3760.000	
	3899.					SEC, 3800.000	
39	3900.	124.3	129.6	-5.3	-3.0	030	3.
40	4000.	124.4	129.6	-5.2	-3.0	030	3.
41	4100.	124.6	129.6	-5.0	-3.1	030	5.
42	4200.	124.8	129.6	-4.8	-3.1	030	5.
	4274.					SEC, 4175.000	
43	4300.	125.0	129.6	-4.6	-3.2	030	5.
44	4400.	125.1	129.6	-4.5	-3.2	030	5.
45	4500.	125.2	129.6	-4.4	-3.2	030	4.
46	4600.	125.2	129.6	-4.4	-3.2	030	4.
	4649.					SEC, 4550.000	
47	4700.	125.3	129.6	-4.3	-3.3	035	4.
48	4800.	125.3	129.6	-4.3	-3.3	035	4.
49	4900.	125.4	129.6	-4.2	-3.3	035	8.
	4999.					SEC, 4900.000	
50	5000.	125.4	129.6	-4.2	-3.3	035	10.
51	5100.	125.5	129.6	-4.2	-3.3	035	14.
52	5200.	125.5	129.6	-4.1	-3.4	035	15.
53	5300.	125.5	129.6	-4.1	-3.4	035	15.
	5349.					SEC, 5250.000	
	5350.					SEC, 5251.000	
	5399.					SEC, 5300.000	
54	5400.	125.7	131.4	-5.8	-3.4	035	17.
	5400.					SEC, 5301.000	
	5401.					SEC, 5302.000	
	5404.					SEC, 5305.000	
	5409.					SEC, 5310.000	



Line	Value	Delta	Target	Delta	Delta	Target	Delta
55	5500.	126.1	131.4	-5.4	-3.4	035	18.
56	5600.	126.3	131.5	-5.1	-3.5	035	18.
	5649.						
57	5700.	126.7	131.5	-4.8	-3.5	035	19.
58	5800.	126.9	131.5	-4.6	-3.5	035	19.
	5824.						
59	5900.	127.0	131.6	-4.5	-3.5	035	20.
60	6000.	127.2	131.6	-4.4	-3.6	035	22.
61	6100.	127.3	131.6	-4.3	-3.6	035	23.
	6149.						
62	6200.	127.6	131.6	-4.0	-3.6	035	24.
63	6300.	128.1	131.7	-3.6	-3.6	035	25.
64	6400.	128.8	131.7	-3.0	-3.6	035	27.
	6449.						
65	6500.	129.3	131.8	-2.5	-3.5	035	26.
66	6600.	129.6	131.8	-2.2	-3.5	035	26.
	6649.						
67	6700.	129.9	131.9	-2.0	-3.5	035	24.
	6749.						
68	6800.	130.3	132.0	-1.7	-3.5	035	24.
	6849.						
69	6900.	130.7	132.1	-1.5	-3.4	035	23.
	6949.						
70	7000.	131.0	132.3	-1.3	-3.4	035	21.
	7049.						
71	7100.	131.4	132.5	-1.2	-3.4	035	20.
	7149.						
72	7200.	131.8	132.8	-1.1	-3.3	035	19.
	7299.						
73	7300.	132.2	133.2	-1.0	-3.3	035	18.
74	7400.	133.0	134.0	-1.0	-3.3	035	18.
75	7500.	134.0	135.2	-1.2	-3.3	035	15.
	7549.						
	7599.						
76	7600.	135.4	137.2	-1.8	-3.2	030	13.
77	7700.	135.7	137.6	-1.8	-3.2	030	13.
78	7800.	136.4	138.2	-1.8	-3.2	030	12.
	7849.						
79	7900.	137.1	138.9	-1.8	-3.2	030	13.
80	8000.	137.6	139.3	-1.6	-3.2	030	11.
81	8100.	138.1	139.6	-1.5	-3.1	030	11.
82	8200.	138.6	140.0	-1.4	-3.1	030	10.
83	8300.	139.1	140.4	-1.2	-3.1	030	8.
84	8400.	139.6	140.7	-1.1	-3.1	030	8.
	8449.						
85	8500.	140.1	141.1	-1.0	-3.1	030	7.
86	8600.	140.4	141.4	-1.0	-3.0	030	6.
87	8700.	140.7	141.8	-1.1	-3.0	030	6.
88	8800.	141.0	142.2	-1.2	-3.0	030	6.
	8849.						
89	8900.	141.3	142.6	-1.3	-3.0	030	6.
90	9000.	141.8	143.1	-1.3	-2.9	030	7.
91	9100.	142.2	143.6	-1.4	-2.9	030	7.
92	9200.	142.7	144.1	-1.4	-2.9	030	7.
93	9300.	143.1	144.6	-1.4	-2.9	030	6.
94	9400.	143.6	145.1	-1.5	-2.9	030	6.
95	9500.	144.0	145.6	-1.5	-2.9	030	6.
96	9600.	144.5	146.1	-1.6	-2.9	030	6.
	9689.						
97	9700.	145.0	146.5	-1.6	-2.8	030	6.
98	9800.	145.4	147.1	-1.7	-2.8	030	6.
99	9900.	145.9	147.7	-1.7	-2.8	030	7.
100	10000.	146.4	148.2	-1.8	-2.8	030	8.
101	10100.	146.9	148.8	-1.9	-2.8	030	12.
102	10200.	147.4	149.4	-1.9	-2.8	030	23.

103	10300.	147.9	149.9	-2.0	-2.0	030	44.
104	10400.	148.4	150.5	-2.1	-2.0	030	44.
	10499.					SEC. 10400.000	
105	10500.	148.9	151.0	-2.2	-2.0	030	45.
106	10600.	149.3	151.5	-2.2	-2.0	030	45.
107	10700.	149.8	152.0	-2.2	-2.0	030	46.
108	10800.	150.2	152.4	-2.2	-2.0	030	47.
109	10900.	150.7	152.8	-2.2	-2.0	030	48.
110	11000.	151.1	153.3	-2.2	-2.7	025	48.
111	11100.	151.5	153.7	-2.2	-2.7	025	49.
	11149.					SEC. 11050.000	
112	11200.	152.0	154.1	-2.2	-2.7	025	49.
113	11300.	152.4	154.6	-2.2	-2.7	025	50.
114	11400.	152.8	155.0	-2.2	-2.7	025	51.
115	11500.	153.2	155.4	-2.2	-2.7	025	51.
116	11600.	153.7	155.9	-2.2	-2.7	025	52.
117	11700.	154.1	156.3	-2.2	-2.7	025	52.
118	11800.	154.5	156.8	-2.3	-2.7	025	53.
	11899.					SEC. 11800.000	
119	11900.	154.9	157.2	-2.3	-2.7	025	53.
120	12000.	155.3	157.6	-2.3	-2.7	025	53.
121	12100.	155.6	158.0	-2.4	-2.7	025	54.
122	12200.	155.9	158.4	-2.5	-2.7	025	54.
	12299.					SEC. 12200.000	
123	12300.	156.4	158.9	-2.5	-2.7	025	54.
	12349.					SEC. 12250.000	
	12364.					SEC. 12265.000	
124	12400.	170.3	172.8	-2.5	-2.7	025	55.
125	12500.	170.3	172.8	-2.5	-2.7	025	55.
126	12600.	170.3	172.8	-2.5	-2.7	025	56.
127	12700.	170.3	172.8	-2.5	-2.7	025	56.
128	12800.	170.3	172.8	-2.5	-2.7	025	56.
129	12900.	170.3	172.8	-2.5	-2.7	025	57.
130	13000.	170.3	172.8	-2.5	-2.7	025	57.
131	13100.	170.3	172.8	-2.5	-2.7	025	58.
132	13200.	170.3	172.8	-2.5	-2.7	025	58.
	13214.					SEC. 13115.000	
133	13300.	170.3	172.7	-2.4	-2.7	025	59.
134	13400.	170.2	172.6	-2.4	-2.7	025	59.
135	13500.	170.1	172.4	-2.3	-2.7	025	59.
	13564.					SEC. 13465.000	
	13599.					SEC. 13500.000	
136	13600.	171.2	178.3	-7.0	-2.7	025	58.
	13649.					SEC. 13550.000	
137	13700.	171.7	178.3	-6.6	-2.7	025	57.
138	13800.	172.7	178.4	-5.7	-2.0	030	57.
139	13900.	173.7	178.4	-4.7	-2.0	030	55.
	13949.					SEC. 13850.000	
140	14000.	174.6	178.5	-3.8	-2.0	030	55.
141	14100.	175.6	178.6	-3.0	-2.0	030	55.
142	14200.	176.5	178.8	-2.3	-2.0	030	56.
143	14300.	177.5	179.0	-1.5	-2.0	030	55.
	14399.					SEC. 14300.000	
144	14400.	178.5	179.2	-.8	-2.0	030	56.
145	14500.	179.4	179.9	-.5	-2.7	025	55.
146	14600.	180.3	181.0	-.7	-2.7	025	55.
147	14700.	181.2	182.1	-.9	-2.7	025	55.
148	14800.	182.1	183.1	-1.1	-2.7	025	55.
	14899.					SEC. 14800.000	
149	14900.	182.9	184.2	-1.3	-2.7	025	54.
150	15000.	183.8	185.4	-1.5	-2.7	025	55.
151	15100.	184.8	186.6	-1.8	-2.7	025	55.
152	15200.	185.7	187.8	-2.1	-2.7	025	55.
153	15300.	186.6	189.0	-2.4	-2.7	025	56.
	15399.					SEC. 15300.000	
154	15400.	187.6	190.2	-2.6	-2.7	025	56.

INC NO.	SEC.	19400.000	19450.000	19500.000	19550.000	19600.000	19650.000	19700.000	19750.000	19800.000	19850.000	19900.000	19950.000	20000.000	20050.000	20100.000	20150.000	20200.000	20250.000	20300.000	20350.000	20400.000	20450.000	20500.000	20550.000	20600.000	20650.000	20700.000	20750.000	20800.000	20850.000	20900.000	20950.000	21000.000	21050.000	21100.000	21150.000	21200.000	21250.000	21300.000	21350.000	21400.000	21450.000	21500.000	21550.000	21600.000	21650.000	21700.000	21750.000	21800.000	21850.000	21900.000	21950.000	22000.000
155	15500.	194.7	195.5	-0.8	-2.7	025	55.																																															
156	15600.	194.7	195.5	-0.8	-2.6	025	56.																																															
157	15700.	194.7	195.5	-0.8	-2.6	025	56.																																															
158	15800.	194.7	195.6	-0.8	-2.6	025	56.																																															
159	15900.	194.7	195.6	-0.8	-2.6	025	55.																																															
15999.		SEC, 15900.000																																																				
160	16000.	194.7	195.6	-0.9	-2.6	025	55.																																															
161	16100.	194.8	195.7	-0.9	-2.6	025	55.																																															
162	16200.	194.8	195.7	-0.9	-2.6	025	55.																																															
163	16300.	194.9	195.8	-1.0	-2.6	025	55.																																															
164	16400.	194.9	195.9	-1.0	-2.6	025	54.																																															
16499.		SEC, 16400.000																																																				
165	16500.	195.0	196.0	-1.0	-2.6	025	54.																																															
166	16600.	195.4	196.5	-1.1	-2.5	025	54.																																															
167	16700.	196.1	197.3	-1.2	-2.5	025	54.																																															
168	16800.	196.8	198.1	-1.3	-2.5	025	54.																																															
16849.		SEC, 16750.000																																																				
169	16900.	197.4	198.8	-1.4	-2.5	025	54.																																															
170	17000.	197.9	199.4	-1.4	-2.5	025	54.																																															
171	17100.	198.4	199.8	-1.4	-2.5	025	54.																																															
17149.		SEC, 17050.000																																																				
172	17200.	199.0	200.3	-1.4	-2.5	025	54.																																															
173	17300.	199.8	201.1	-1.3	-2.5	025	54.																																															
174	17400.	200.7	201.9	-1.2	-2.5	025	53.																																															
17449.		SEC, 17350.000																																																				
175	17500.	201.5	202.6	-1.1	-2.5	025	54.																																															
176	17600.	201.9	203.2	-1.3	-2.5	025	53.																																															
177	17700.	202.1	203.7	-1.6	-2.5	025	54.																																															
17749.		SEC, 17650.000																																																				
17799.		SEC, 17700.000																																																				
178	17800.	203.0	207.7	-4.7	-2.5	025	53.																																															
17849.		SEC, 17750.000																																																				
179	17900.	203.5	207.9	-4.4	-2.5	025	53.																																															
180	18000.	204.5	208.0	-3.5	-2.5	025	53.																																															
18099.		SEC, 18000.000																																																				
181	18100.	205.7	208.1	-2.4	-2.5	025	53.																																															
182	18200.	206.7	208.2	-1.6	-2.5	025	53.																																															
183	18300.	207.4	208.6	-1.1	-2.5	025	54.																																															
18399.		SEC, 18300.000																																																				
184	18400.	208.2	208.9	-0.7	-2.5	025	53.																																															
185	18500.	208.9	209.5	-0.6	-2.5	025	53.																																															
186	18600.	209.4	210.3	-0.9	-2.5	025	53.																																															
187	18700.	209.9	211.1	-1.2	-2.4	025	52.																																															
18749.		SEC, 18650.000																																																				
188	18800.	210.4	211.9	-1.4	-2.4	025	53.																																															
189	18900.	211.0	212.5	-1.5	-2.4	025	53.																																															
190	19000.	211.6	213.0	-1.4	-2.4	025	53.																																															
19049.		SEC, 18950.000																																																				
191	19100.	212.2	213.6	-1.4	-2.4	025	53.																																															
192	19200.	213.0	214.4	-1.4	-2.4	025	54.																																															
193	19300.	213.7	215.2	-1.4	-2.4	025	54.																																															
19349.		SEC, 19250.000																																																				

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 35 193  
A NEGATIVE INC NO. WILL SUPPRESS INTERMEDIATE INC OUTPUT.

- POSSIBLE ERROR SECNO# 1.00 PROFILE# 1 CRITICAL DEPTH ASSUMED
- POSSIBLE ERROR SECNO# 1.00 PROFILE# 2 CRITICAL DEPTH ASSUMED
- POSSIBLE ERROR SECNO# 1.00 PROFILE# 3 CRITICAL DEPTH ASSUMED

POSSIBLE ERROR	SECNO=	1.00	PROFILE=	4	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	3350.00	PROFILE=	3	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	3350.00	PROFILE=	3	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO=	3650.00	PROFILE=	1	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	3650.00	PROFILE=	1	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO=	3650.00	PROFILE=	2	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	3650.00	PROFILE=	2	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO=	3700.00	PROFILE=	1	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	3700.00	PROFILE=	1	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO=	3700.00	PROFILE=	2	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	3700.00	PROFILE=	2	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO=	6050.00	PROFILE=	1	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	7450.00	PROFILE=	4	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	11800.00	PROFILE=	2	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	11800.00	PROFILE=	3	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	11800.00	PROFILE=	4	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	13465.00	PROFILE=	1	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	13465.00	PROFILE=	1	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO=	13465.00	PROFILE=	2	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	13465.00	PROFILE=	3	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	13465.00	PROFILE=	3	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO=	13465.00	PROFILE=	4	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	13465.00	PROFILE=	4	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO=	13850.00	PROFILE=	1	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	13850.00	PROFILE=	1	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO=	14300.00	PROFILE=	2	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	14300.00	PROFILE=	2	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO=	14300.00	PROFILE=	3	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	14300.00	PROFILE=	3	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO=	14300.00	PROFILE=	4	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	14300.00	PROFILE=	4	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO=	15300.00	PROFILE=	2	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	15300.00	PROFILE=	2	20 TRIALS REQUIRED TO BALANCE WSEL

POSSIBLE ERROR	SECNO=	15300.00	PROFILE=	3	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	15300.00	PROFILE=	3	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO=	15300.00	PROFILE=	4	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	15300.00	PROFILE=	4	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO=	16400.00	PROFILE=	1	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	16400.00	PROFILE=	1	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO=	16400.00	PROFILE=	2	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	16400.00	PROFILE=	2	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO=	16400.00	PROFILE=	3	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	16400.00	PROFILE=	3	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO=	16400.00	PROFILE=	4	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	16400.00	PROFILE=	4	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO=	17650.00	PROFILE=	2	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	17650.00	PROFILE=	3	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	17650.00	PROFILE=	3	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO=	17650.00	PROFILE=	4	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	17650.00	PROFILE=	4	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO=	18000.00	PROFILE=	1	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	18000.00	PROFILE=	1	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO=	19250.00	PROFILE=	1	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	19250.00	PROFILE=	1	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO=	19250.00	PROFILE=	2	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	19250.00	PROFILE=	2	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO=	19250.00	PROFILE=	3	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	19250.00	PROFILE=	3	20 TRIALS REQUIRED TO BALANCE WSEL
POSSIBLE ERROR	SECNO=	19250.00	PROFILE=	4	CRITICAL DEPTH ASSUMED
POSSIBLE ERROR	SECNO=	19250.00	PROFILE=	4	20 TRIALS REQUIRED TO BALANCE WSEL

.....  
INTERACTIVE HEC2 VERSION UPDATED SEPT 1976  
ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09,10  
MODIFICATIONS 50,51,52,53,54,55,56,57,58,59  
.....

.....  
AS OF 2 SEPT, 1976, THE PROGRAM HAS BEEN UPDATED TO INCLUDE MODIFICATION 59 AND ERROR CORRECTION 10. THE PURPOSE OF MODIFICATION 59 IS TO

(1) PROVIDE A NEW INTERPOLATION SCHEME FOR CALCULATING ENCROACHMENT STATIONS BY METHODS 3 AND 4. PREVIOUSLY, LINEAR INTERPOLATION WAS USED TO CALCULATE ENCROACHMENTS. NOW, THE INTERPOLATION IS BASED ON A PARABOLIC APPROXIMATION OF CONVEYANCE VERSUS DISTANCE.

(2) FURTHER DEVELOPMENT OF MODIFICATION 54 WHICH PROVIDES FOR THE NM CARD TO VARY  $S_{M0}$  VALUES IN THE CHANNEL. THE PROGRAM WILL NOW ALLOW BOTH A CHANGE IN  $S_{M0}$  VALUES IN THE CHANNEL (MOD. 54 AS PRESENTLY USED) AND, IF NO  $S_{M0}$  VARIATION IS DEFINED IN THE CHANNEL WHEN THE NM CARD IS USED, THE CHANNEL WILL NOT BE SEGMENTED FOR FLOW COMPUTATION. THIS MODIFICATION ALLOWS MORE FLEXIBILITY.

(3) COMMENT CARDS (C CARDS) ARE NOW PRINTED IN THE DATA LISTING.

(4) EXPANDS PRINTOUT OF THE SPECIAL BRIDGE ROUTINE TO INCLUDE TRAPEZOIDAL CALCULATIONS FOR OUTPUT ANALYSIS. STA TESTS RELATING TO THE SPECIAL BRIDGE ROUTINE WILL BE AFFECTED BY THIS CHANGE. THE PRINTOUT OF CALCULATED CHANNEL AREA IS BASED ON THE DEFINED TRAPEZOID UP TO THE BRIDGE WATER SURFACE ELEVATION. CALCULATED CHANNEL AREA SHOULD BE CLOSE TO THE VALUE OF THE PREVIOUS SECTION'S CHANNEL AREA. TRAPEZOID/AREA IS THE AREA OF THE TRAPEZOID DIVIDED BY CHANNEL AREA. TRAPEZOID/AREA SHOULD BE CLOSE TO INPUT ITEM BAREA. PLEASE NOTE THAT NUMERICAL RESULTS WILL NOT BE A

(5) THE FLOW DISTRIBUTION PRINTOUT MAY NOW BE REQUESTED FOR ANY PARTICULAR SECTION (X2 CARD WITH 15 IN 10TH FIELD)

THE PURPOSE OF ERROR CORRECTION 10 IS TO

(1) ALLOW THE USE OF THE EFFECTIVE AREA OPTION WHEN FLOW IS PRESSURE AND WEIR FLOW.

(2) CORRECT THE WETTED PERIMETER CALCULATION IN THE NORMAL BRIDGE ROUTINE.

(3) ACCOUNT FOR THE VERTICAL WALL AT THE ENCROACHMENT STATION WHEN CALCULATING CONVEYANCE.

A FORMAL CHANGE NOTICE CONCERNING THE ABOVE WILL BE MAILED IN APPROXIMATELY ONE MONTH. ANY QUESTIONS ABOUT THESE CHANGES CAN BE DIRECTED TO ALLAN OTO (FTS 448-2109 OR 448-3292).

.....

C  
T1  
T2  
T3

FPMS BR FAYETTEVILLE FIS  
10 YR NATURAL  
BRANSONS BR ABOVE LAKE FOREST

J1	ICHECK	INC	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-1.	6.	-0	-0	-1,000000	-0	-0	-0	-0	-0
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	EN	ALLDC	IBW	CHNIM	ITRACE
	1.000	-0	-1.000	-0	-0	-0	-0	-0	-0	-0
J3	-2,000	1,000	43,000	42,000	3,000	10,000	50,000	0	38,000	50,000
J3	53,000	21,000	22,000	54,000	4,000	0	201,000	-0	-0	-0
NC	.030	.030	.015	.100	.300	-0	-0	-0	-0	-0
OT	7,000	1810,000	1810,000	1810,000	1810,000	720,000	1400,000	3230,000	-0	-0

\*\*\*\* FOREST HILLS LAKE \*\*\*\*

X1	1,000	21,000	598,000	679,000	0	0	0	-0	-0	0
GR	129,300	80,800	126,780	100,000	128,980	150,000	123,700	200,000	123,300	250,000
GR	123,800	300,000	124,200	350,000	128,100	400,000	123,100	450,000	123,800	500,000
GR	124,000	550,000	123,800	598,000	119,600	599,000	119,600	678,000	123,600	679,000
GR	123,800	700,000	123,500	750,000	122,100	800,000	122,400	850,000	124,100	900,000
GR	125,900	950,000	-0	-0	-0	-0	-0	-0	-0	-0
NC	.060	.060	.030	-0	-0	-0	-0	-0	-0	-0

X1	2,000	11,000	50,000	760,000	1,000	1,000	1,000	-0	-0	-0
GR	128,000	0	126,000	10,000	129,000	25,000	122,000	35,000	120,000	40,000
GR	119,000	50,000	110,000	300,000	110,000	600,000	119,000	760,000	120,000	775,000
GR	128,000	825,000	-0	-0	-0	-0	-0	-0	-0	-0

X1	3,000	-0	-0	-0	1,000	1,000	1,000	-0	-0	-0
----	-------	----	----	----	-------	-------	-------	----	----	----

X1	4,000	-0	-0	-0	1,000	1,000	1,000	-0	-0	-0
----	-------	----	----	----	-------	-------	-------	----	----	----

X1	5,000	-0	-0	-0	1,000	1,000	1,000	-0	-0	-0
----	-------	----	----	----	-------	-------	-------	----	----	----

X1	10,000	-0	-0	-0	5,000	5,000	5,000	-0	-0	-0
----	--------	----	----	----	-------	-------	-------	----	----	----

X1	20,000	-0	-0	-0	10,000	10,000	10,000	-0	-0	-0
----	--------	----	----	----	--------	--------	--------	----	----	----

X1	50,000	-0	-0	-0	30,000	30,000	30,000	-0	-0	-0
OT	7,000	1740,000	1740,000	1740,000	1740,000	700,000	1340,000	3110,000	-0	-0

X1	1500,000	8,000	75,000	480,000	1500,000	1500,000	1500,000	-0	-0	-0
GR	130,000	0	120,000	70,000	119,000	75,000	115,000	200,000	115,000	400,000
GR	119,000	480,000	120,000	550,000	130,000	700,000	-0	-0	-0	-0
OT	7,000	1680,000	1680,000	1680,000	1680,000	660,000	1280,000	3000,000	-0	-0

X1	3000,000	11,000	130,000	310,000	1500,000	1500,000	1500,000	-0	-0	-0
----	----------	--------	---------	---------	----------	----------	----------	----	----	----

GR	117,000	150,000	117,000	250,000	119,000	310,000	120,000	340,000	122,000	390,000
GR	126,000	440,000	-0	-0	-0	-0	-0	-0	-0	-0
X1	3300,000	20,000	179,500	200,000	300,000	300,000	300,000	-0	-0	-0
GR	139,100	0	131,400	50,000	128,400	100,000	125,700	150,000	122,500	179,500
GR	116,300	179,500	116,300	200,000	119,300	216,000	120,200	218,000	120,400	250,000
GR	120,000	300,000	117,300	350,000	117,100	400,000	119,200	450,000	124,500	464,000
GR	125,400	474,000	125,600	490,000	123,200	500,000	126,400	540,000	130,000	650,000
NC	.060	.060	.015	-0	-0	-0	-0	-0	-0	-0

\*\*\*\* WINTERLOCHEN ROAD \*\*\*\*

X1	3350,000	0	179,500	200,000	50,000	50,000	50,000	-0	-0	-0
X3	10,000	0	-0	0	0	0	0	123,600	123,600	-0
SB	1,250	1,620	2,600	0	20,500	.500	150,000	0	-0	-0
ET	-0	0	200,200	-0	0	0	-0	-0	-0	-0

\*\*\*\* RAEFORD ROAD \*\*\*\*

X1	3350,000	0	179,500	200,000	50,000	50,000	50,000	-0	-0	-0
X2	-0	0	1,000	123,600	126,400	-0	-0	-0	-0	-0
X3	10,000	0	-0	0	0	-0	0	127,400	125,000	-0
BT	10,000	0	136,500	123,600	100,000	129,700	123,600	150,000	127,900	123,600
BT	179,500	127,400	123,600	200,000	127,100	123,600	300,000	126,800	123,600	450,000
BT	126,700	123,600	500,000	126,400	123,600	540,000	126,400	123,600	650,000	130,000
BT	123,600	0	0	0	0	0	0	0	0	0
NC	.080	.080	.050	-0	-0	-0	-0	-0	-0	-0

X1	3355,000	0	179,500	200,000	5,000	5,000	5,000	-0	-0	-0
----	----------	---	---------	---------	-------	-------	-------	----	----	----

X1	3360,000	0	179,500	200,000	5,000	5,000	5,000	-0	-0	-0
----	----------	---	---------	---------	-------	-------	-------	----	----	----

X1	3400,000	0	179,500	200,000	40,000	40,000	40,000	-0	-0	-0
----	----------	---	---------	---------	--------	--------	--------	----	----	----

X1	3650,000	19,000	202,000	317,000	250,000	250,000	250,000	-0	-0	-0
GR	129,600	50,000	129,400	100,000	129,200	150,000	128,100	200,000	126,600	250,000
GR	124,400	202,000	119,300	208,000	119,300	300,000	119,300	315,000	123,100	317,000
GR	123,200	350,000	123,500	400,000	123,700	450,000	124,100	500,000	124,700	550,000
GR	125,700	600,000	127,700	650,000	128,700	700,000	135,000	800,000	-0	-0
NC	.080	.080	.015	-0	-0	-0	-0	-0	-0	-0

X1	3700,000	19,000	208,100	310,900	50,000	50,000	50,000	-0	-0	-0
X3	10,000	0	0	0	0	0	0	126,300	126,300	-0
GR	129,600	50,000	129,400	100,000	129,200	150,000	128,100	200,000	126,600	250,000
GR	124,400	208,100	119,300	289,000	119,300	300,000	119,300	310,000	123,100	310,900
GR	123,200	350,000	123,500	400,000	123,700	450,000	124,100	500,000	124,700	550,000
GR	125,700	600,000	127,700	650,000	128,700	700,000	135,000	800,000	-0	-0
SB	1,250	1,600	2,600	0	22,800	.800	147,000	0	119,300	119,000
ET	-0	0	100,200	-0	0	-0	-0	-0	-0	-0

\*\*\*\* MCBAIN STREET \*\*\*\*

X1	3750,000	0	208,100	310,900	50,000	50,000	50,000	-0	-0	-0
X2	-0	0	1,000	126,300	129,400	-0	-0	-0	-0	-0
X3	10,000	0	0	0	0	-0	0	129,400	129,400	-0
BT	6,000	50,000	129,600	126,300	200,100	129,400	126,300	310,900	129,400	126,300



	350,000	120,500	128,300	500,000	129,000	128,300	600,000	130,500	128,300	-0
--	---------	---------	---------	---------	---------	---------	---------	---------	---------	----

NC	.000	.000	.050	.0	.0	.0	.0	.0	.0	.0
X1	3751.000	.0	288.100	310.900	1.000	1.000	1.000	.0	.0	.0
X1	3755.000	.0	288.100	310.900	4.000	4.000	4.000	.0	.0	.0
X1	3760.000	.0	288.100	310.900	5.000	5.000	5.000	.0	.0	.0
X1	3800.000	.0	288.100	310.900	40.000	40.000	40.000	.0	.0	.0
OT	7.000	1620.000	1620.000	1620.000	1620.000	630.000	1220.000	2880.000	.0	.0

X1	4175.000	16,000	300,000	313,000	375,000	375,000	375,000	.0	.0	.0
GR	128.000	32.000	125,000	50,000	129,100	75,000	124,000	125,000	123,900	175,000
GR	123.000	250,000	122,600	275,000	128,600	300,000	120,700	303,000	119,800	306,000
GR	120.200	310,000	123,400	313,000	122,600	325,000	122,600	350,000	122,000	400,000
GR	127.200	600,000	.0	.0	.0	.0	.0	.0	.0	.0

X1	4550.000	.0	300,000	313,000	375,000	375,000	375,000	.0	.0	.0
X1	4900.000	.0	300,000	313,000	350,000	350,000	350,000	.0	.0	.0
X1	5250.000	17,000	475,000	520,000	350,000	350,000	350,000	.0	.0	.0
X4	1.000	135,000	100,000	.0	.0	.0	.0	.0	.0	.0
GR	131.000	200,000	130,200	250,000	128,800	300,000	127,900	350,000	124,900	400,000
GR	125.600	450,000	126,100	475,000	121,800	482,000	121,600	500,000	122,600	513,000
GR	128.500	520,000	128,000	550,000	128,000	600,000	129,300	650,000	129,800	700,000
GR	132.600	750,000	134,400	800,000	.0	.0	.0	.0	.0	.0
NC	.000	.000	.025	.0	.0	.0	.0	.0	.0	.0

X1	5251.000	.0	482,000	500,000	1,000	1,000	1,000	.0	.0	.0
X3	10.000	.0	.0	.0	.0	.0	.0	128,000	128,000	.0
SB	1.250	1,670	2,600	0	18,000	1,300	126,000	0	119,400	119,000

\*\*\*\*\* CONFLUENCE WITH HYBART BRANCH \*\*\*\*\*

X1	5300.000	.0	.0	.0	49,000	49,000	49,000	.0	.0	.0
X2	.0	.0	1,000	126,000	130,400	.0	.0	.0	.0	.0
X3	10.000	.0	.0	.0	.0	.0	.0	130,500	130,500	.0
BT	8.000	100,000	135,000	126,000	250,000	131,300	126,000	400,000	130,400	126,000
BT	482.000	130,500	126,000	500,000	130,500	126,000	600,000	131,200	126,000	700,000
BT	132,300	126,000	800,000	134,700	126,000	.0	.0	.0	.0	.0
NC	.100	.100	.050	.0	.0	.0	.0	.0	.0	.0

X1	5301.000	.0	475,000	520,000	1,000	1,000	1,000	.0	.0	.0
X1	5302.000	.0	.0	.0	1,000	1,000	1,000	.0	.0	.0
X1	5305.000	.0	.0	.0	3,000	3,000	3,000	.0	.0	.0
X1	5310.000	.0	.0	.0	5,000	5,000	5,000	.0	.0	.0

X1	5350.000	-0	-0	-0	40,000	40,000	40,000	-0	-0	-0
X1	5550.000	14,000	98,000	113,000	200,000	200,000	200,000	-0	-0	-0
GR	130,000	0	130,000	40,000	128,000	55,000	126,000	70,000	124,000	80,000
GR	124,900	89,000	122,300	90,000	122,500	100,000	123,900	113,000	124,000	130,000
GR	126,000	250,000	128,000	270,000	130,000	305,000	140,000	430,000	-0	-0
X1	5725.000	11,000	198,000	215,000	175,000	175,000	175,000	-0	-0	-0
GR	130,000	50,000	128,000	65,000	126,000	90,000	124,000	140,000	124,000	198,000
GR	123,000	200,000	124,000	215,000	124,000	240,000	126,000	390,000	128,000	400,000
GR	130,000	415,000	-0	-0	-0	-0	-0	-0	-0	-0
QT	7,000	1480,000	1480,000	1480,000	1480,000	500,000	1130,000	2660,000	-0	-0
X1	6050.000	11,000	198,000	215,000	325,000	325,000	325,000	-0	-0	-0
GR	132,000	0	130,000	40,000	128,000	75,000	126,000	190,000	125,800	198,000
GR	124,200	200,000	125,800	215,000	129,000	235,000	128,000	285,000	130,000	410,000
GR	132,000	430,000	-0	-0	-0	-0	-0	-0	-0	-0
QT	7,000	990,000	990,000	990,000	990,000	370,000	740,000	1850,000	-0	-0
ET	-0	-0	120,200	-0	-0	-0	-0	-0	-0	-0
***** TOP OF DAM *****										
X1	6350.000	13,000	298,000	315,000	300,000	300,000	300,000	-0	-0	-0
GR	136,000	15,000	134,000	40,000	132,000	60,000	130,000	80,000	128,000	140,000
GR	127,900	298,000	126,200	300,000	127,900	315,000	128,000	410,000	130,000	450,000
GR	132,000	525,000	134,000	560,000	136,000	620,000	-0	-0	-0	-0
X1	6550.000	-0	-0	-0	200,000	200,000	200,000	-0	1,000	-0
X1	6650.000	-0	-0	-0	100,000	100,000	100,000	-0	,300	-0
X1	6750.000	-0	-0	-0	100,000	100,000	100,000	-0	,300	-0
X1	6850.000	-0	-0	-0	100,000	100,000	100,000	-0	,300	-0
X1	6950.000	-0	-0	-0	100,000	100,000	100,000	-0	,500	-0
X1	7050.000	-0	-0	-0	100,000	100,000	100,000	-0	,200	-0
X1	7200.000	11,000	295,000	305,000	150,000	150,000	150,000	-0	-0	-0
GR	140,000	70,000	138,000	120,000	132,000	180,000	131,000	295,000	130,000	300,000
GR	131,000	305,000	132,000	320,000	134,000	335,000	136,000	360,000	138,000	375,000
GR	140,000	420,000	-0	-0	-0	-0	-0	-0	-0	-0
ET	-0	-0	120,200	-0	-0	-0	-0	-0	-0	-0
X1	7450.000	11,000	290,000	315,000	250,000	250,000	250,000	-0	,500	-0
GR	142,000	0	140,000	85,000	138,000	270,000	134,000	290,000	131,500	300,000
GR	131,500	310,000	134,000	312,000	136,000	315,000	138,000	455,000	140,000	470,000
GR	142,000	500,000	-0	-0	-0	-0	-0	-0	-0	-0
QT	7,000	940,000	940,000	940,000	940,000	350,000	710,000	1770,000	-0	-0
X1	7500.000	9,000	390,000	415,000	50,000	50,000	50,000	-0	-0	-0

GR	142.000	90.000	140.000	105.000	130.000	375.000	133.000	390.000	132.000	390.000
GR	131.500	400.000	133.000	415.000	140.000	430.000	150.000	470.000	-0	-0
X1	7750.000	10.000	200.000	215.000	250.000	120.000	250.000	-0	-0	-0
GR	142.000	100.000	140.000	120.000	130.000	135.000	136.000	180.000	136.000	200.000
GR	133.500	205.000	136.000	215.000	130.000	355.000	140.000	370.000	142.000	400.000
OT	7.000	880.000	880.000	880.000	880.000	330.000	670.000	1670.000	-0	-0
X1	8350.000	-0	-0	-0	600.000	600.000	600.000	-0	2.000	-0
X1	8750.000	9.000	200.000	213.000	400.000	400.000	400.000	-0	-0	-0
GR	160.000	65.000	150.000	130.000	140.000	190.000	140.000	200.000	137.000	205.000
GR	140.000	213.000	140.000	290.000	150.000	540.000	160.000	650.000	-0	-0
OT	7.000	810.000	810.000	810.000	810.000	300.000	610.000	1540.000	-0	-0
X1	9590.000	13.000	100.000	114.000	840.000	840.000	840.000	-0	-0	-0
GR	150.000	30.000	148.000	35.000	140.000	70.000	144.000	80.000	142.400	100.000
GR	141.100	102.000	141.000	107.000	141.100	109.000	142.300	114.000	144.000	120.000
GR	146.000	160.000	148.000	200.000	150.000	255.000	-0	-0	-0	-0
OT	7.000	780.000	780.000	780.000	780.000	280.000	590.000	1490.000	-0	-0
ET	-0	-0	120.200	-0	-0	-0	-0	-0	-0	-0
X1	10400.000	12.000	100.000	112.000	810.000	810.000	810.000	-0	-1.600	-0
GR	159.800	50.000	155.000	73.000	150.300	89.000	147.900	100.000	145.600	102.000
GR	145.400	104.000	145.600	106.000	150.600	112.000	152.200	150.000	152.700	200.000
GR	153.500	250.000	160.000	350.000	-0	-0	-0	-0	-0	-0
OT	7.000	750.000	750.000	750.000	750.000	270.000	560.000	1430.000	-0	-0
X1	11050.000	-0	-0	-0	650.000	650.000	650.000	-0	1.600	-0
OT	7.000	710.000	710.000	710.000	710.000	260.000	540.000	1340.000	-0	-0
X1	11800.000	14.000	173.000	185.000	750.000	750.000	750.000	-0	-0	-0
GR	170.000	0	168.000	15.000	160.000	45.000	164.000	80.000	162.000	125.000
GR	160.000	145.000	158.000	170.000	150.000	173.000	149.000	180.000	154.000	105.000
GR	156.000	190.000	158.000	275.000	160.000	360.000	170.000	435.000	-0	-0
NC	.040	.040	.020	-0	-0	-0	-0	-0	-0	-0
X1	12200.000	16.000	185.000	210.000	400.000	400.000	400.000	-0	-0	-0
X3	10.000	-0	-0	-0	-0	-0	-0	158.000	158.000	-0
GR	177.000	20.000	171.100	50.000	163.900	100.000	162.600	150.000	161.300	170.000
GR	154.900	185.000	153.500	195.000	153.000	198.000	151.800	210.000	157.600	210.000
GR	163.100	220.000	161.900	250.000	162.500	300.000	165.400	332.000	171.100	350.000
GR	177.000	370.000	-0	-0	-0	-0	-0	-0	-0	-0
SB	-0	1.400	2.500	-0	3.000	.300	9.500	-0	161.000	161.000

\*\*\*\* MURREY HILL RD. \*\*\*\*

X1	12250.000	-0	-0	-0	50.000	50.000	50.000	-0	-0	-0
X2	-0	-0	1.000	164.500	169.600	-0	-0	-0	-0	-0
X3	10.000	-0	-0	-0	-0	-0	-0	169.600	169.600	-0
BT	15.000	30.000	177.000	-0	70.000	171.800	-0	71.000	169.600	-0
BT	83.000	169.600	-0	84.000	172.000	-0	120.000	172.100	-0	170.000
BT	172.100	0	185.000	172.100	0	195.000	172.100	0	195.000	172.100
BT	164.500	190.000	172.100	164.500	198.000	172.100	0	210.000	172.100	0
BT	270.000	172.200	0	320.000	173.200	0	-0	-0	-0	-0
NC	.080	.080	.050	-0	-0	-0	-0	-0	-0	-0

X1	12265.000	16.000	85.000	320.000	19.000	19.000	19.000	-0	-0	-0
GR	180.000	0	178.000	29.000	176.000	40.000	174.000	60.000	172.000	75.000
GR	170.000	60.000	168.500	85.000	160.000	179.000	160.000	280.000	168.500	320.000
GR	170.000	330.000	172.000	345.000	174.000	355.000	176.000	370.000	178.000	380.000
GR	180.000	390.000	-0	-0	-0	-0	-0	-0	-0	-0
QT	7.000	640.000	640.000	640.000	640.000	230.000	480.000	1240.000	-0	-0

X1	13115.000	-0	-0	-0	850.000	850.000	850.000	.600	-0	-0
NC	.000	.000	.015	-0	-0	-0	-0	-0	-0	-0

X1	13465.000	18.000	396.000	405.200	350.000	350.000	350.000	-0	-0	-0
X3	10.000	-0	-0	-0	-0	-0	-0	171.000	171.000	-0
GR	183.700	50.000	182.100	100.000	180.800	150.000	178.700	200.000	177.800	250.000
GR	176.700	300.000	174.300	350.000	172.000	308.000	169.800	390.000	167.300	396.000
GR	167.300	405.200	168.400	409.000	170.800	411.000	176.800	450.000	178.900	500.000
GR	180.700	550.000	184.300	600.000	185.000	620.000	-0	-0	-0	-0
SB	1.250	1.920	2.500	-0	9.200	1.000	29.000	-0	-0	-0
ET	-0	-0	80.200	-0	-0	-0	-0	-0	-0	-0

\*\*\*\* CLIFFDALE RD. \*\*\*\*

X1	13500.000	-0	-0	-0	35.000	35.000	35.000	-0	-0	-0
X2	-0	-0	1.000	170.800	177.500	-0	-0	-0	-0	-0
X3	10.000	-0	-0	-0	-0	-0	-0	177.500	177.500	-0
BT	8.000	50.000	184.100	-0	150.000	180.600	-0	250.000	178.400	-0
BT	350.000	177.500	-0	396.000	177.500	170.800	405.200	177.500	170.800	450.000
BT	170.300	-0	600.000	184.500	-0	-0	-0	-0	-0	-0
NC	.000	.000	.040	-0	-0	-0	-0	-0	-0	-0

X1	13550.000	-0	-0	-0	50.000	50.000	50.000	-0	-0	-0
----	-----------	----	----	----	--------	--------	--------	----	----	----

X1	13850.000	11.000	195.000	205.000	300.000	300.000	300.000	-0	-0	-0
GR	180.000	35.000	178.000	80.000	174.000	111.000	174.000	175.000	173.500	195.000
GR	172.000	200.000	173.500	205.000	174.000	235.000	176.000	255.000	178.000	280.000
GR	180.000	295.000	-0	-0	-0	-0	-0	-0	-0	-0
QT	7.000	580.000	580.000	580.000	580.000	200.000	440.000	1130.000	-0	-0

X1	14300.000	-0	-0	-0	450.000	450.000	450.000	-0	4.000	-0
----	-----------	----	----	----	---------	---------	---------	----	-------	----

X1	14800.000	13.000	300.000	304.000	500.000	500.000	500.000	-0	-0	-0
GR	191.500	77.000	189.700	100.000	180.500	150.000	186.100	200.000	184.100	250.000
GR	183.700	260.000	182.700	269.000	182.100	380.000	181.500	302.000	182.200	304.000
GR	182.900	350.000	183.200	361.000	184.500	385.000	-0	-0	-0	-0
NC	.100	.100	.025	-0	-0	-0	-0	-0	-0	-0
QT	7.000	530.000	530.000	530.000	530.000	180.000	400.000	1040.000	-0	-0

X1	15300.000	15.000	296.000	300.000	500.000	500.000	500.000	-0	-0	-0
GR	204.500	20.000	204.100	50.000	202.400	100.000	196.900	150.000	195.200	200.000
GR	194.600	250.000	190.500	283.000	185.000	296.000	185.000	300.000	185.100	305.000
GR	188.500	310.000	190.700	350.000	195.300	400.000	200.000	450.000	204.500	485.000
SB	.900	2.520	2.500	-0	4.000	1.000	9.600	-0	185.000	185.000

\*\*\*\* MORGANTON RD. \*\*\*\*

X1	15350.000	-0	-0	-0	50.000	50.000	50.000	-0	-0	-0
X2	-0	-0	1.000	180.500	194.200	-0	-0	-0	-0	-0

BT	10.000	100.000	202.400	-0	190.000	196.900	-0	194.200	194.200	-0
BT	250.000	194.600	-0	296.000	194.200	100.500	300.000	194.200	100.500	390.000
BT	194.500	-0	400.000	195.700	-0	450.000	200.000	-0	405.000	204.500
BT	0	-0	-0	-0	-0	-0	-0	-0	-0	-0
NC	.100	.100	.040	-0	-0	-0	-0	-0	-0	-0

X1	19400.000	15.000	295.000	305.000	50.000	50.000	50.000	-0	-0	-0
GR	204.500	20.000	204.100	50.000	202.400	100.000	196.900	150.000	195.200	200.000
GR	194.600	250.000	190.500	203.000	105.000	295.000	105.000	300.000	105.100	305.000
GR	100.500	310.000	190.700	350.000	195.300	400.000	200.000	450.000	204.500	405.000

X1	15900.000	13.000	305.000	315.000	500.000	500.000	500.000	-0	-0	-0
GR	200.000	0	190.000	45.000	190.000	100.000	194.000	160.000	192.000	215.000
GR	190.000	240.000	100.000	290.000	100.000	305.000	107.000	310.000	100.000	315.000
GR	100.000	320.000	190.000	330.000	200.000	300.000	-0	-0	-0	-0
QT	7.000	500.000	500.000	500.000	500.000	170.000	370.000	900.000	-0	-0

X1	16400.000	11.000	103.000	113.000	500.000	500.000	500.000	-0	-0	-0
GR	200.000	0	190.000	30.000	191.000	60.000	194.000	90.000	194.000	103.000
GR	193.000	100.000	194.000	113.000	194.000	120.000	196.000	145.000	198.000	170.000
GR	200.000	200.000	-0	-0	-0	-0	-0	-0	-0	-0

X1	16750.000	14.000	100.000	106.000	350.000	350.000	350.000	-0	-0	-0
GR	203.000	0	201.900	13.000	197.000	50.000	195.400	70.000	195.700	100.000
GR	194.000	101.000	194.600	104.000	195.100	105.000	195.000	100.000	195.000	122.000
GR	190.000	140.000	199.300	190.000	204.200	200.000	206.200	225.000	-0	-0

X1	17050.000	-0	-0	-0	300.000	300.000	300.000	-0	2.000	-0
QT	7.000	470.000	470.000	470.000	470.000	160.000	360.000	920.000	-0	-0

X1	17350.000	15.000	135.000	145.000	300.000	300.000	300.000	-0	-0	-0
GR	210.000	0	200.000	15.000	200.000	45.000	204.000	70.000	202.000	100.000
GR	200.000	135.000	200.000	140.000	199.000	142.000	200.000	145.000	200.000	150.000
GR	202.000	170.000	204.000	190.000	200.000	210.000	200.000	220.000	210.000	240.000
NC	.100	.100	.015	-0	-0	-0	-0	-0	-0	-0

X1	17650.000	20.000	295.000	303.000	300.000	300.000	300.000	-0	-0	-0
X3	10.000	-0	-0	-0	-0	-0	-0	203.000	203.000	-0
GR	210.200	17.000	216.000	50.000	214.000	100.000	212.000	150.000	207.300	200.000
GR	206.400	250.000	204.200	293.000	199.500	295.000	199.500	297.000	199.500	300.000
GR	199.500	303.000	201.600	307.000	207.900	350.000	206.700	400.000	207.100	450.000
GR	209.200	500.000	211.600	550.000	214.200	600.000	214.700	650.000	214.900	700.000
SB	1.250	1.960	2.600	-0	0.000	1.000	31.000	-0	198.500	198.500

X1	17700.000	-0	-0	-0	50.000	50.000	50.000	-0	-0	-0
X2	-0	-0	1.000	203.100	207.400	-0	-0	-0	-0	-0
X3	10.000	-0	-0	-0	-0	-0	-0	207.000	207.000	-0
BT	13.000	17.000	210.200	-0	50.000	216.000	-0	100.000	214.000	-0
BT	150.000	212.000	-0	190.000	200.500	-0	250.000	207.000	-0	300.000
BT	207.500	-0	350.000	207.500	-0	400.000	207.600	-0	400.000	207.800
BT	0	500.000	209.200	0	550.000	211.600	0	600.000	214.200	0
NC	.000	.000	.040	-0	-0	-0	-0	-0	-0	-0

X1	17750.000	-0	-0	-0	50.000	50.000	50.000	-0	-0	-0
----	-----------	----	----	----	--------	--------	--------	----	----	----

X1	10000.000	13.000	110.000	120.000	250.000	250.000	250.000	-0	-0	-0
GR	214.000	0	212.000	30.000	210.000	50.000	208.000	70.000	206.000	85.000
GR	205.500	110.000	204.000	115.000	205.500	120.000	206.000	190.000	208.000	220.000
GR	210.000	240.000	212.000	265.000	214.000	310.000	-0	-0	-0	-0
OT	7.000	440.000	440.000	440.000	440.000	150.000	340.000	870.000	-0	-0

X1	10300.000	-0	-0	-0	300.000	300.000	300.000	-0	2.000	-0
----	-----------	----	----	----	---------	---------	---------	----	-------	----

X1	10650.000	13.000	200.000	211.000	350.000	350.000	350.000	-0	-0	-0
GR	217.400	80.000	216.900	100.000	215.200	150.000	214.200	172.000	210.400	190.000
GR	209.400	200.000	200.100	202.000	207.900	205.000	207.600	208.000	209.800	211.000
GR	211.400	250.000	213.600	300.000	214.500	323.000	-0	-0	-0	-0

X1	10950.000	-0	-0	-0	300.000	300.000	300.000	-0	1.000	-0
----	-----------	----	----	----	---------	---------	---------	----	-------	----

X1	19250.000	11.000	100.000	110.000	300.000	300.000	300.000	-0	-0	-0
GR	220.300	0	218.400	50.000	212.900	100.000	212.100	101.000	212.000	103.000
GR	212.400	100.000	214.800	110.000	217.400	127.000	217.800	150.000	217.000	190.000
GR	217.200	200.000	-0	-0	-0	-0	-0	-0	-0	-0
EJ	-0	-0	-0	-0	-0	-0	-0	-0	-0	-0

.....  
 INTERACTIVE WEC2 VERSION UPDATED SEPT 1976  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09,10  
 MODIFICATIONS 50,51,52,53,54,55,56,57,58,59  
 .....

T1 FPMS BR FAYETTEVILLE FIS  
 T2 50 YR NATURAL  
 T3 BRANSONS BR ABOVE LAKE FOREST

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	1.	7.	-0	-0	*1.000000	-0	-0	-0	-0	-0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2.000	-0	-1.000	-0	-0	-0	-0	-0	-0	-0

STEPHEN M. GORRISON, JR.

\*\*\*\*\*  
 INTERACTIVE HEC2 VERSION UPDATED SEPT 1976  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09,10  
 MODIFICATIONS 50,51,52,53,54,55,56,57,58,59  
 \*\*\*\*\*

T1 FPMS BR FAYETTEVILLE FIS  
 T2 100 YR NATURAL  
 T3 BRANSONS BR ABOVE LAKE FOREST

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	1.	2.	*0	*0	*1.000000	*0	*0	*0	*0	*0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	RN	ALLDC	IBW	CHNIM	ITRACE
	3.000	*0	*1.000	*0	*0	*0	*0	*0	*0	*0



\*\*\*\*\*  
 INTERACTIVE HEC2 VERSION UPDATED SEPT 1976  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09,10  
 MODIFICATIONS 50,51,52,53,54,55,56,57,58,59  
 \*\*\*\*\*

T1 FPMS BR FAYETTEVILLE FIS  
 T2 500 YR NATURAL  
 T3 BRANSONS BR ABOVE LAKE FOREST

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FO
	1.	8.	-0	-0	-1.000000	-0	-0	-0	-0	-0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.000	-0	-1.000	-0	-0	-0	-0	-0	-0	-0