

SENN BRANCH

SENN BRANCH

FIA

THIS RUN EXECUTED 04/20/79 9,089

 HEC2 RELEASE DATED NOV 76 UPDATED AUG 1977
 ERROR CORR = 01,02
 MODIFICATION = 50,51,52,53

T1 LEXINGTON COUNTY, SC 00000000
 T2 FRIS 00000000
 T3 SENN BRANCH 10-YR 00000000

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0.	2.	0.	0.	0.008000	0.	0.	0.	164.000	0.

J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1.000	0.	-1.000	10.000	100.000	0.	0.	0.	0.	0.

J3 VARIABLE CODES FOR SUMMARY PRINTOUT

38.000	1.000	50.000	42.000	33.000	58.000	39.000	0.	38.000	1.000
50.000	51.000	40.000	41.000	25.000	0.	38.000	1.000	43.000	13.000
55.000	14.000	26.000	15.000	56.000	8.000	0.	38.000	1.000	50.000
7.000	16.000	17.000	18.000	4.000	53.000	54.000	38.000	0.	0.

J5 LPRNT NUMSEC *****REQUESTED SECTION NUMBERS*****

NC	0.120	0.120	0.100	0.100	0.300	0.	0.	0.	0.	0.	0.
QT	5.000	1273.000	2007.000	2318.000	3290.000	2318.000	0.	0.	0.	0.	0.

X1	9.500	32.000	600.000	615.000	0.	0.	0.	0.	-1.000	0.
X3	10.000	0.	0.	0.	0.	0.	0.	163.500	163.500	0.
GR	175.100	0.	170.700	9.000	170.800	20.000	171.000	32.000	176.500	38.000
GR	170.100	100.000	167.100	156.000	167.800	200.000	167.900	239.000	167.700	300.000
GR	166.100	400.000	166.500	500.000	166.800	574.000	163.900	592.000	162.800	600.000
GR	160.200	602.000	159.600	605.000	160.200	608.000	165.500	615.000	166.400	682.000
GR	166.500	684.000	166.900	697.000	167.000	710.000	166.900	711.000	168.500	800.000
GR	168.400	804.000	165.100	811.000	164.900	815.000	165.200	819.000	172.400	830.000
GR	172.500	845.000	177.300	900.000	0.	0.	0.	0.	0.	0.
SB	0.	1.500	2.500	150.000	2.750	0.	9.620	0.	0.	0.

X1	10.500	0.	0.	0.	100.000	100.000	100.000	0.	0.	0.
X2	0.	0.	1.000	162.000	163.100	0.	0.	0.	0.	0.
X3	10.000	0.	0.	0.	0.	0.	0.	163.500	163.500	0.

X1	12.500	0.	0.	0.	200.000	200.000	200.000	0.	1.000	0.
QT	5.000	1190.000	1890.000	2190.000	3117.000	2190.000	0.	0.	0.	0.

1	X3	10,000	0.	0.	0.	0.	0.	0.	166,000	166,000	0.
2	GR	180,000	0.	178,200	32,000	174,000	53,000	173,000	100,000	172,500	142,000
3	GR	173,400	193,000	175,600	197,000	175,900	200,000	165,800	253,000	168,000	260,000
4	GR	167,600	300,000	166,700	330,000	162,100	333,000	162,100	339,000	162,800	344,000
5	GR	164,000	344,000	168,200	362,000	167,700	400,000	167,500	500,000	170,400	561,000
6	GR	172,600	567,000	172,600	600,000	177,200	700,000	183,200	796,000	183,000	799,000
7	GR	183,100	812,000	183,100	827,000	188,400	900,000	190,100	917,000	0.	0.
8	SB	0.	1,500	2,500	0.	2,750	0.	9,620	0.	0.	0.
9	X1	17,000	15,000	394,000	411,000	150,000	150,000	150,000	0.	0.	0.
10	X2	0.	0.	1,000	165,500	166,000	0.	0.	0.	0.	0.
11	X3	10,000	0.	0.	0.	0.	0.	0.	166,000	166,000	0.
12	BT	6,000	390,000	167,200	0.	394,000	165,900	0.	395,000	165,900	0.
13	BT	401,000	165,700	0.	406,000	167,500	0.	411,000	169,300	0.	0.
14	GR	180,100	0.	174,300	100,000	170,300	200,000	168,900	300,000	169,400	385,000
15	GR	167,200	390,000	165,900	394,000	163,600	395,000	163,200	401,000	163,400	406,000
16	GR	169,300	411,000	171,600	500,000	179,800	600,000	182,700	610,000	191,000	671,000
17											
18											
19											
20	X1	23,500	17,000	323,000	339,000	650,000	650,000	650,000	0.	0.	0.
21	GR	195,000	0.	190,900	49,000	186,200	100,000	183,900	136,000	178,700	178,000
22	GR	175,300	183,000	174,200	200,000	172,600	216,000	173,200	300,000	173,400	323,000
23	GR	171,400	325,000	170,300	331,000	170,900	337,000	173,600	339,000	175,100	389,000
24	GR	178,000	400,000	191,300	436,000	0.	0.	0.	0.	0.	0.
25											
26											
27	X1	30,500	18,000	439,000	457,000	700,000	700,000	700,000	0.	0,300	0.
28	GR	190,100	0.	186,200	100,000	187,300	200,000	183,600	300,000	181,200	400,000
29	GR	179,500	439,000	177,400	445,000	176,600	450,000	175,600	454,000	178,800	457,000
30	GR	179,300	500,000	178,100	600,000	179,600	700,000	180,900	800,000	182,000	900,000
31	GR	186,300	1000,000	188,800	1100,000	189,100	1103,000	0.	0.	0.	0.
32											
33											
34	X1	30,900	0.	0.	0.	40,000	40,000	40,000	0.	0,300	0.
35	X3	10,000	0.	0.	0.	0.	0.	0.	182,700	182,700	0.
36	SB	0.	1,500	2,500	200,000	12,000	0.	60,000	0.	0.	0.
37											
38											
39	X1	31,500	19,000	245,000	275,000	60,000	60,000	60,000	0.	0.	0.
40	X2	0.	0.	1,000	182,600	182,700	0.	0.	0.	0.	0.
41	X3	10,000	0.	0.	0.	0.	0.	0.	182,700	182,700	0.
42	GR	190,100	0.	185,400	84,000	186,100	100,000	188,000	200,000	188,200	216,000
43	GR	183,700	245,000	179,600	245,000	177,700	258,000	175,300	266,000	177,000	274,000
44	GR	179,300	275,000	179,400	300,000	180,200	400,000	180,400	500,000	181,700	600,000
45	GR	182,200	700,000	186,500	800,000	189,500	900,000	190,100	921,000	0.	0.
46	SB	0.	1,500	2,500	200,000	10,000	0.	90,000	0.	0.	0.
47											
48											
49	X1	32,000	0.	0.	0.	50,000	50,000	50,000	0.	0,700	0.
50	NC	0,100	0,100	0,080	0.	0.	0.	0.	0.	0.	0.
51											
52	X1	34,000	24,000	509,000	533,000	200,000	200,000	200,000	0.	-1,500	0.
53	X2	0.	0.	1,000	188,500	192,200	0.	0.	0.	0.	0.
54	X3	10,000	0.	0.	0.	0.	0.	0.	192,700	192,700	0.
55	GR	205,000	0.	205,300	100,000	208,300	158,000	206,700	200,000	203,800	239,000
56	GR	191,300	300,000	186,100	353,000	184,800	400,000	184,300	500,000	184,300	509,000
57	GR	180,500	517,000	180,600	522,000	180,200	528,000	185,000	533,000	186,300	541,000
58	GR	183,600	555,000	183,000	581,000	182,900	600,000	183,100	700,000	184,300	800,000
59	GR	186,800	900,000	190,900	996,000	191,500	1000,000	198,000	1019,000	0.	0.
60											
61											
62	X1	35,000	0.	0.	0.	100,000	100,000	100,000	0.	1,500	0.

	X1	44,000	17,000	189,000	230,000	900,000	900,000	900,000	0,	0,	0,
	GR	210,000	0,	204,500	87,000	201,400	100,000	198,600	123,000	196,000	189,000
1	GR	192,300	189,000	191,500	208,000	192,700	224,000	195,300	230,000	195,800	287,000
2	GR	199,800	300,000	200,200	304,000	200,000	305,000	200,400	342,000	201,200	355,000
3	GR	200,600	366,000	200,700	387,000	0,	0,	0,	0,	0,	0,
4											
5											
6	X1	44,500	0,	0,	0,	50,000	50,000	50,000	0,	0,200	0,
7	X3	10,000	0,	0,	0,	0,	0,	0,	197,500	197,500	0,
8	SB	0,	1,500	2,500	300,000	13,000	0,	110,000	1,500	0,	0,
9											
10											
11	X1	45,500	18,000	147,000	156,000	100,000	100,000	100,000	0,	-0,200	0,
12	X2	0,	0,	1,000	197,700	199,500	0,	0,	0,	0,	0,
13	X3	10,000	0,	0,	0,	0,	0,	0,	199,500	199,500	0,
14	GR	200,000	0,	199,000	19,000	198,800	47,000	196,100	65,000	194,800	100,000
15	GR	194,100	147,000	192,600	149,000	192,300	151,000	192,500	153,000	193,700	156,000
16	GR	194,100	159,000	199,900	170,000	196,800	181,000	197,200	200,000	204,200	241,000
17	GR	208,300	253,000	213,000	300,000	215,000	363,000	0,	0,	0,	0,
18											
19											
20	X1	46,000	0,	0,	0,	50,000	50,000	50,000	0,	0,200	0,
21	NC	0,060	0,100	0,080	0,	0,	0,	0,	0,	0,	0,
22											
23											
24	X1	55,000	25,000	788,000	811,000	900,000	900,000	900,000	0,	0,	0,
25	GR	235,000	0,	229,400	98,000	229,600	110,000	228,900	122,000	229,700	137,000
26	GR	227,400	200,000	224,300	300,000	217,600	400,000	209,800	472,000	210,000	484,000
27	GR	209,600	494,000	210,000	500,000	205,800	600,000	202,900	700,000	202,600	788,000
28	GR	199,800	791,000	200,400	799,000	199,600	809,000	201,000	811,000	201,900	825,000
29	GR	207,800	833,000	204,000	841,000	204,900	900,000	206,500	942,000	233,000	994,000
30											
31											
32	X1	55,500	0,	0,	0,	50,000	50,000	50,000	0,	1,000	0,
33	X3	10,000	0,	0,	0,	0,	0,	0,	220,000	220,000	0,
34	SB	1,250	1,500	2,500	200,000	13,000	1,200	88,300	0,	0,	0,
35											
36											
37	X1	56,500	23,000	400,000	450,000	100,000	100,000	100,000	0,	-1,000	0,
38	X2	0,	0,	1,000	215,000	220,000	0,	0,	0,	0,	0,
39	X3	10,000	0,	0,	0,	0,	0,	0,	220,000	220,000	0,
40	GR	235,100	0,	228,500	100,000	225,000	128,000	225,300	141,000	225,100	153,000
41	GR	225,700	163,000	223,300	200,000	217,100	300,000	215,800	350,000	212,400	352,000
42	GR	203,900	400,000	204,200	450,000	207,200	500,000	214,700	528,000	216,900	531,000
43	GR	225,300	584,000	225,200	600,000	225,800	631,000	223,700	638,000	224,400	652,000
44	GR	224,500	665,000	234,300	680,000	235,000	692,000	0,	0,	0,	0,
45	SB	0,	1,500	2,500	0,	1,000	0,	1,000	0,	214,800	0,
46											
47											
48											
49	X1	56,700	23,000	400,000	450,000	20,000	20,000	20,000	0,	0,	0,
50	X2	0,	0,	1,000	214,800	214,800	0,	0,	0,	0,	0,
51	X3	10,000	0,	0,	0,	0,	0,	0,	215,000	215,000	0,
52	BT	11,000	0,	224,000	0,	175,000	219,600	0,	340,000	222,300	0,
53	BT	400,000	222,000	0,	400,000	214,800	0,	450,000	214,800	0,	450,000
54	BT	220,300	0,	550,000	219,700	0,	610,000	223,400	0,	630,000	229,600
55	BT	0,	665,000	235,300	0,	0,	0,	0,	0,	0,	0,
56	GR	235,100	0,	228,500	100,000	225,000	128,000	225,300	141,000	225,100	153,000
57	GR	225,700	163,000	223,300	200,000	217,100	300,000	215,800	350,000	212,400	352,000
58	GR	203,900	400,000	204,200	450,000	207,200	500,000	214,700	528,000	216,900	531,000
59	GR	225,300	584,000	225,200	600,000	225,800	631,000	223,700	638,000	224,400	652,000
60	GR	224,500	665,000	234,300	680,000	235,000	692,000	0,	0,	0,	0,
61											
62	X1	57,000	0,	0,	0,	30,000	30,000	30,000	0,	1,000	0,

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THIS RUN EXECUTED 04/20/79 9,092

MEC2 RELEASE DATED NOV 76 UPDATED AUG 1977
ERROR CORR = 01,02
MODIFICATION = 50,51,52,53

T1	LEXINGTON COUNTY, SC	00000000
T2	FPIS	00000000
T3	SENN BRANCH 50-YR	00000000

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	0.	3.	0.	0.	0.008000	0.	0.	0.	164.500	0.
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALDC	IBW	CHNIM	ITRACE
	2,000	0.	-1,000	10,000	100,000	0.	0.	0.	0.	0.

HEC2 RELEASE DATED NOV 76 UPDATED AUG 1977
ERROR CORR = 01,02
MODIFICATION = 50,51,52,53

T1	LEXINGTON COUNTY, SC	00000000
T2	FP18	00000000
T3	SENN BRANCH 100-YR	00000000

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0.	4.	0.	0.	0.008000	0.	0.	0.	165.000	0.
J2	NPROF	IPLOT	PREVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	3.000	0.	-1.000	10.000	100.000	0.	0.	0.	0.	0.

HEC2 RELEASE DATED NOV 76 UPDATED AUG 1977
ERROR CORR = 01,02
MODIFICATION = 50,51,52,53

T1 LEXINGTON COUNTY, SC 00000000
T2 FPIS 00000000
T3 SENN BRANCH 500-YR 00000000

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	0.	5.	0.	0.	0.008000	0.	0.	0.	166.000	0.
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.000	0.	-1.000	10.000	100.000	0.	0.	0.	0.	0.

HEC2 RELEASE DATED NOV 7, UPDATED AUG 1977
ERROR CORR = 01,02
MODIFICATION = 50,51,52,53

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

SENN BRANCH 10
SUMMARY PRINTOUT

SEENO	CWSEL	DIFWSP	ELMIN	K*CHSL	KRATIO	XLGH
9,500	166.76	0.	158.60	0.	0.	0.
9,500	167.31	0.55	158.60	0.	0.	0.
9,500	167.48	0.17	158.60	0.	0.	0.
9,500	168.00	0.52	158.60	0.	0.	0.
10,500	166.91	0.	158.60	0.	1.14	100.00
10,500	167.60	0.69	158.60	0.	1.24	100.00
10,500	167.82	0.22	158.60	0.	1.28	100.00
10,500	168.59	0.77	158.60	0.	1.41	100.00
12,500	168.04	0.	159.60	5.00	1.11	200.00
12,500	168.62	0.58	159.60	5.00	1.01	200.00
12,500	168.82	0.21	159.60	5.00	1.00	200.00
12,500	169.44	0.62	159.60	5.00	0.92	200.00
15,500	169.60	0.	162.10	8.33	0.89	300.00
15,500	170.28	0.68	162.10	8.33	0.83	300.00
15,500	170.52	0.24	162.10	8.33	0.82	300.00
15,500	171.14	0.63	162.10	8.33	0.75	300.00
17,000	174.20	0.	163.20	7.33	3.66	150.00
17,000	177.13	2.92	163.20	7.33	5.85	150.00
17,000	178.24	1.11	163.20	7.33	6.66	150.00
17,000	181.41	3.17	163.20	7.33	9.01	150.00
23,500	174.88	0.	170.30	10.92	0.11	650.00
23,500	177.41	2.53	170.30	10.92	0.20	650.00
23,500	178.46	1.05	170.30	10.92	0.23	650.00
23,500	181.53	3.07	170.30	10.92	0.28	650.00
30,500	181.10	0.	175.30	7.14	2.96	700.00
30,500	181.33	0.24	175.30	7.14	0.82	700.00
30,500	181.52	0.19	175.30	7.14	0.64	700.00
30,500	182.86	1.33	175.30	7.14	0.60	700.00
* 30,900	182.81	0.	175.60	7.50	2.34	40.00
* 30,900	182.70	-0.11	175.60	7.50	1.87	40.00
* 30,900	182.90	0.20	175.60	7.50	1.84	40.00
30,900	183.00	0.10	175.60	7.50	0.93	40.00

SECNO	CWSEL	DIFWSP	ELMIN	K*CHSL	KRATIO	XLCH
31,500	184.01	0.	175.30	-5.00	1.11	60.00
31,500	184.63	0.62	175.30	-5.00	1.52	60.00
31,500	184.88	0.26	175.30	-5.00	1.51	60.00
31,500	185.59	0.71	175.30	-5.00	1.84	60.00
32,000	184.04	0.	176.00	14.00	0.72	50.00
32,000	184.68	0.63	176.00	14.00	0.76	50.00
32,000	184.94	0.26	176.00	14.00	0.77	50.00
32,000	185.66	0.72	176.00	14.00	0.80	50.00
* 34,000	184.27	0.	178.70	13.50	0.12	200.00
34,000	192.77	8.50	178.70	13.50	8.74	200.00
34,000	193.21	0.44	178.70	13.50	8.41	200.00
34,000	194.19	0.98	178.70	13.50	7.43	200.00
35,000	186.83	0.	180.20	15.00	10.54	100.00
35,000	192.77	5.94	180.20	15.00	0.75	100.00
35,000	193.21	0.44	180.20	15.00	0.76	100.00
35,000	194.19	0.98	180.20	15.00	0.78	100.00
* 44,000	195.22	0.	191.50	12.56	0.09	900.00
* 44,000	196.67	1.45	191.50	12.56	0.03	900.00
* 44,000	196.97	0.31	191.50	12.56	0.03	900.00
* 44,000	197.75	0.78	191.50	12.56	0.04	900.00
44,500	197.52	0.	191.70	4.00	2.99	50.00
44,500	198.45	0.93	191.70	4.00	2.08	50.00
44,500	198.79	0.34	191.70	4.00	2.04	50.00
44,500	199.67	0.88	191.70	4.00	1.98	50.00
45,500	199.73	0.	192.10	4.00	2.18	100.00
45,500	200.50	0.77	192.10	4.00	1.92	100.00
45,500	200.75	0.25	192.10	4.00	1.83	100.00
45,500	201.37	0.61	192.10	4.00	1.59	100.00
46,000	199.82	0.	192.30	4.00	0.96	50.00
46,000	200.63	0.81	192.30	4.00	0.97	50.00
46,000	200.89	0.27	192.30	4.00	0.98	50.00
46,000	201.56	0.67	192.30	4.00	1.00	50.00
55,000	203.84	0.	199.60	8.11	0.27	900.00
55,000	204.92	1.08	199.60	8.11	0.47	900.00
55,000	205.27	0.35	199.60	8.11	0.54	900.00
55,000	206.15	0.88	199.60	8.11	0.74	900.00
* 55,500	205.58	0.	200.60	20.00	0.63	50.00
* 55,500	207.13	1.55	200.60	20.00	0.43	50.00
* 55,500	207.74	0.61	200.60	20.00	0.39	50.00
* 55,500	209.49	1.74	200.60	20.00	0.33	50.00
56,500	208.14	0.	202.90	23.00	3.05	100.00
56,500	210.80	2.66	202.90	23.00	3.81	100.00
56,500	211.82	1.02	202.90	23.00	4.02	100.00
56,500	221.68	9.87	202.90	23.00	30.81	100.00



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SECNO	CWSEL	DIFWSP	ELMIN	K*CHSL	KRATIO	XLCH
56,700	219,23	0.	203.90	50.00	16.56	20.00
56,700	220,50	1.26	203.90	50.00	9.96	20.00
56,700	220,80	0.30	203.90	50.00	8.48	20.00
56,700	222,19	1.39	203.90	50.00	0.94	20.00
57,000	219,23	0.	204.90	33.33	0.86	30.00
57,000	220,50	1.26	204.90	33.33	0.86	30.00
57,000	220,80	0.30	204.90	33.33	0.86	30.00
57,000	222,20	1.39	204.90	33.33	0.87	30.00
60,000	219,25	0.	206.95	6.83	0.71	300.00
60,000	220,52	1.27	206.95	6.83	0.73	300.00
60,000	220,83	0.31	206.95	6.83	0.73	300.00
60,000	222,23	1.40	206.95	6.83	0.75	300.00
63,000	219,27	0.	208.00	3.50	0.67	300.00
63,000	220,56	1.29	208.00	3.50	0.70	300.00
63,000	220,87	0.32	208.00	3.50	0.71	300.00
63,000	222,29	1.41	208.00	3.50	0.72	300.00
67,000	219,37	0.	212.00	10.00	0.36	400.00
67,000	220,70	1.33	212.00	10.00	0.42	400.00
67,000	221,04	0.34	212.00	10.00	0.44	400.00
67,000	222,47	1.44	212.00	10.00	0.49	400.00
70,250	219,98	0.	214.40	7.38	0.51	325.00
70,250	221,32	1.35	214.40	7.38	0.56	325.00
70,250	221,71	0.39	214.40	7.38	0.59	325.00
70,250	223,11	1.40	214.40	7.38	0.65	325.00
★ 71,000	220,73	0.	215.40	13.33	0.38	75.00
71,000	221,65	0.93	215.40	13.33	0.43	75.00
71,000	222,07	0.42	215.40	13.33	0.47	75.00
71,000	223,42	1.35	215.40	13.33	0.60	75.00
76,500	226,83	0.	220.50	9.27	2.02	550.00
76,500	227,49	0.65	220.50	9.27	1.66	550.00
76,500	227,71	0.22	220.50	9.27	1.48	550.00
76,500	228,13	0.42	220.50	9.27	0.94	550.00
★ 77,000	226,15	0.	220.80	6.00	0.22	50.00
★ 77,000	227,76	1.61	220.80	6.00	0.24	50.00
★ 77,000	228,42	0.66	220.80	6.00	0.25	50.00
★ 77,000	230,28	1.86	220.80	6.00	2.14	50.00
78,000	231,99	0.	222.60	18.00	19.37	100.00
78,000	232,90	0.91	222.60	18.00	15.16	100.00
78,000	233,27	0.37	222.60	18.00	14.28	100.00
78,000	234,27	1.00	222.60	18.00	1.79	100.00
77,000	232,00	0.	222.90	6.00	0.90	50.00
77,000	232,91	0.92	222.90	6.00	0.92	50.00
77,000	233,29	0.37	222.90	6.00	0.92	50.00
77,000	234,29	1.01	222.90	6.00	0.93	50.00

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SENN BRANCH
SUMMARY PRINTOUT

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SECNO	CWSEL	DIFWSP	DIFWSX	ELTRD	ELLC	AREA
9,500	166.76	0.	0.	0.	0.	709.41
9,500	167.31	0.55	0.	0.	0.	1063.81
9,500	167.48	0.17	0.	0.	0.	1180.33
9,500	168.00	0.52	0.	0.	0.	1541.92
10,500	166.91	0.	0.15	163.10	162.00	799.79
10,500	167.60	0.69	0.29	163.10	162.00	1260.32
10,500	167.82	0.22	0.34	163.10	162.00	1417.05
10,500	168.59	0.77	0.59	163.10	162.00	1959.16
12,500	168.04	0.	1.12	0.	0.	878.89
12,500	168.62	0.58	1.02	0.	0.	1270.34
12,500	168.82	0.21	1.00	0.	0.	1414.47
12,500	169.44	0.62	0.86	0.	0.	1852.69
15,500	169.60	0.	1.57	0.	0.	671.81
15,500	170.28	0.68	1.66	0.	0.	888.29
15,500	170.52	0.24	1.69	0.	0.	966.90
15,500	171.14	0.63	1.70	0.	0.	1176.72
17,000	174.20	0.	4.60	166.00	165.50	1687.98
17,000	177.13	2.92	6.85	166.00	165.50	3070.25
17,000	178.24	1.11	7.72	166.00	165.50	3662.44
17,000	181.41	3.17	10.26	166.00	165.50	5522.84
23,500	174.88	0.	0.68	0.	0.	318.86
23,500	177.41	2.53	0.28	0.	0.	851.17
23,500	178.46	1.05	0.22	0.	0.	1081.55
23,500	181.53	3.07	0.12	0.	0.	1811.12
30,500	181.10	0.	6.22	0.	0.	867.10
30,500	181.33	0.24	3.93	0.	0.	980.42
30,500	181.52	0.19	3.06	0.	0.	1071.69
30,500	182.86	1.33	1.33	0.	0.	1818.83
* 30,900	182.81	0.	1.71	0.	0.	1618.73
* 30,900	182.70	-0.11	1.37	0.	0.	1553.63
* 30,900	182.90	0.20	1.38	0.	0.	1672.16
30,900	183.00	0.10	0.14	0.	0.	1728.77
31,500	184.01	0.	1.20	182.70	182.60	1652.46
31,500	184.63	0.62	1.93	182.70	182.60	1965.25
31,500	184.88	0.26	1.98	182.70	182.60	2100.03
31,500	185.59	0.71	2.59	182.70	182.60	2474.40
32,000	184.04	0.	0.03	0.	0.	1320.40
32,000	184.68	0.63	0.05	0.	0.	1630.85
32,000	184.94	0.26	0.05	0.	0.	1762.13
32,000	185.66	0.72	0.07	0.	0.	2132.95
* 34,000	184.27	0.	0.23	192.20	188.50	101.16
34,000	192.77	8.50	8.09	192.20	188.50	6397.57
34,000	193.21	0.44	8.27	192.20	188.50	6715.91
34,000	194.19	0.98	8.53	192.20	188.50	7432.40

	SECNO	CWSEL	DIFWSP	DIFWSX	ELTRD	ELLC	AREA
5	35,000	186.83	0.	2.56	0.	0.	1472.65
6	35,000	192.77	5.94	0.00	0.	0.	5322.95
7	35,000	193.21	0.44	0.00	0.	0.	5636.14
8	35,000	194.19	0.98	0.00	0.	0.	6341.09
10	* 44,000	195.22	0.	8.38	0.	0.	120.27
11	* 44,000	196.67	1.45	3.90	0.	0.	250.22
12	* 44,000	196.97	0.31	3.76	0.	0.	287.72
13	* 44,000	197.75	0.78	3.56	0.	0.	394.90
15	44,500	197.52	0.	2.30	0.	0.	332.86
16	44,500	198.45	0.93	1.78	0.	0.	472.34
17	44,500	198.79	0.34	1.82	0.	0.	529.63
18	44,500	199.67	0.88	1.92	0.	0.	687.23
20	45,500	199.73	0.	2.21	199.50	197.70	705.22
21	45,500	200.50	0.77	2.05	199.50	197.70	872.84
22	45,500	200.75	0.25	1.96	199.50	197.70	928.32
23	45,500	201.37	0.61	1.70	199.50	197.70	1065.93
25	46,000	199.82	0.	0.09	0.	0.	681.56
26	46,000	200.63	0.81	0.13	0.	0.	856.44
27	46,000	200.89	0.27	0.14	0.	0.	915.45
28	46,000	201.56	0.67	0.19	0.	0.	1064.70
30	55,000	203.84	0.	4.02	0.	0.	232.08
31	55,000	204.92	1.08	4.29	0.	0.	452.43
32	55,000	205.27	0.35	4.38	0.	0.	547.56
33	55,000	206.15	0.88	4.59	0.	0.	820.45
35	* 55,500	205.58	0.	1.74	0.	0.	100.42
36	* 55,500	207.13	1.55	2.21	0.	0.	136.02
37	* 55,500	207.74	0.61	2.47	0.	0.	150.08
38	* 55,500	209.49	1.74	3.34	0.	0.	190.16
40	56,500	208.14	0.	2.56	220.00	215.00	254.63
41	56,500	210.80	2.66	3.67	220.00	215.00	387.46
42	56,500	211.82	1.02	4.08	220.00	215.00	438.41
43	56,500	221.68	9.87	12.20	220.00	215.00	3515.74
45	56,700	219.23	0.	11.09	214.80	214.80	2414.67
46	56,700	220.50	1.26	9.70	214.80	214.80	2787.92
47	56,700	220.80	0.30	8.98	214.80	214.80	2883.22
48	56,700	222.19	1.39	0.51	214.80	214.80	3343.96
50	57,000	219.23	0.	0.00	0.	0.	2144.64
51	57,000	220.50	1.26	0.00	0.	0.	2488.31
52	57,000	220.80	0.30	0.00	0.	0.	2576.13
53	57,000	222.20	1.39	0.00	0.	0.	3006.77
55	60,000	219.25	0.	0.01	0.	0.	1673.42
56	60,000	220.52	1.27	0.02	0.	0.	1952.90
57	60,000	220.83	0.31	0.03	0.	0.	2027.80
58	60,000	222.23	1.40	0.03	0.	0.	2396.36

SECNO	CWSEL	DIFWSP	DIFWSX	ELTRD	ELLC	AREA
63,000	219,27	0.	0.02	0.	0.	1188.19
63,000	220,56	1.29	0.04	0.	0.	1414.47
63,000	220,87	0.32	0.05	0.	0.	1474.88
63,000	222,29	1.41	0.06	0.	0.	1770.94
67,000	219,37	0.	0.10	0.	0.	604.15
67,000	220,70	1.33	0.14	0.	0.	790.02
67,000	221,04	0.34	0.16	0.	0.	839.83
67,000	222,47	1.44	0.19	0.	0.	1060.40
70,250	219,98	0.	0.61	0.	0.	377.84
70,250	221,32	1.35	0.63	0.	0.	544.31
70,250	221,71	0.39	0.68	0.	0.	596.61
70,250	223,11	1.40	0.64	0.	0.	791.94
* 71,000	220,73	0.	0.75	0.	0.	208.81
71,000	221,65	0.93	0.33	0.	0.	342.45
71,000	222,07	0.42	0.36	0.	0.	409.39
71,000	223,42	1.35	0.32	0.	0.	653.01
76,500	226,83	0.	6.11	0.	0.	424.92
76,500	227,49	0.65	5.84	0.	0.	562.53
76,500	227,71	0.22	5.64	0.	0.	609.24
76,500	228,13	0.42	4.71	0.	0.	704.65
* 77,000	226,15	0.	-0.68	0.	0.	71.26
* 77,000	227,76	1.61	0.28	0.	0.	100.26
* 77,000	228,42	0.66	0.71	0.	0.	112.07
* 77,000	230,28	1.86	2.15	0.	0.	1164.06
78,000	231,99	0.	5.83	230.00	224.50	939.28
78,000	232,90	0.91	5.13	230.00	224.50	1158.45
78,000	233,27	0.37	4.85	230.00	224.50	1252.98
78,000	234,27	1.00	3.99	230.00	224.50	1520.05
77,000	232,00	0.	0.01	0.	0.	871.80
77,000	232,91	0.92	0.01	0.	0.	1087.78
77,000	233,29	0.37	0.02	0.	0.	1181.02
77,000	234,29	1.01	0.02	0.	0.	1443.63
78,500	232,01	0.	0.01	0.	0.	765.22
78,500	232,93	0.92	0.02	0.	0.	971.00
78,500	233,30	0.37	0.02	0.	0.	1061.05
78,500	234,31	1.01	0.02	0.	0.	1316.89

SENN BRANCH
SUMMARY PRINTOUT

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SECNO	CWSEL	Q	QLOB	VLOB	QCH	VCH	QROB	VROB	DEPTH
9,500	166.76	1273.00	592.56	1.44	374.56	3.98	305.88	1.50	8.16
9,500	167.31	2007.00	1068.34	1.62	428.10	4.18	510.56	1.69	8.71
9,500	167.48	2318.00	1269.91	1.72	452.15	4.31	595.94	1.77	8.88
9,500	168.00	3290.00	1907.08	1.94	503.36	4.47	879.56	1.98	9.40
10,500	166.91	1273.00	618.33	1.30	341.78	3.55	312.89	1.36	8.31
10,500	167.60	2007.00	1116.57	1.41	369.27	3.46	521.16	1.45	9.00
10,500	167.82	2318.00	1322.06	1.47	383.33	3.49	612.61	1.50	9.22
10,500	168.59	3290.00	1982.67	1.56	403.69	3.32	903.64	1.59	9.99
12,500	168.04	1273.00	638.24	1.20	317.79	3.24	316.98	1.27	8.44
12,500	168.62	2007.00	1118.55	1.40	366.64	3.43	521.81	1.44	9.02
12,500	168.82	2318.00	1321.58	1.47	383.97	3.49	612.46	1.51	9.22
12,500	169.44	3290.00	1966.47	1.64	424.90	3.56	898.63	1.67	9.84
15,500	169.60	1190.00	308.32	1.52	330.16	3.42	551.52	1.48	7.50
15,500	170.28	1890.00	518.67	1.93	414.29	3.91	957.04	1.87	8.18
15,500	170.52	2190.00	607.90	2.07	446.99	4.09	1135.11	2.01	8.42
15,500	171.14	3117.00	881.48	2.46	539.23	4.57	1696.28	2.42	9.04
17,000	174.20	1190.00	770.62	0.67	202.36	1.20	217.02	0.58	11.00
17,000	177.13	1890.00	1261.55	0.61	208.92	0.96	419.53	0.54	13.93
17,000	178.24	2190.00	1466.93	0.60	216.07	0.91	507.00	0.53	15.04
17,000	181.41	3117.00	2084.24	0.57	238.53	0.82	794.22	0.51	18.21
23,500	174.88	1190.00	782.64	3.39	360.79	5.99	46.57	1.68	4.58
23,500	177.41	1890.00	1291.00	2.20	317.08	3.15	281.95	1.72	7.11
23,500	178.46	2190.00	1488.72	2.02	326.08	2.78	375.21	1.65	8.16
23,500	181.53	3117.00	2089.80	1.72	374.67	2.28	652.53	1.52	11.23
30,500	181.10	1190.00	32.31	0.77	160.49	2.18	997.20	1.33	5.80
30,500	181.33	1890.00	62.54	1.15	237.24	3.05	1590.22	1.87	6.03
30,500	181.52	2190.00	82.21	1.25	261.32	3.22	1846.47	2.00	6.22
30,500	182.86	3117.00	212.90	1.13	275.94	2.63	2628.16	1.72	7.56
* 30,900	182.81	1190.00	72.20	0.48	112.37	1.14	1005.43	0.73	7.21
* 30,900	182.70	1890.00	109.83	0.79	182.63	1.88	1597.54	1.21	7.10
* 30,900	182.90	2190.00	137.42	0.86	203.09	2.02	1849.49	1.31	7.30
30,900	183.00	3117.00	202.35	1.19	283.76	2.77	2630.89	1.81	7.40
31,500	184.01	1190.00	0.03	0.09	217.93	1.10	972.04	0.67	8.71
31,500	184.63	1890.00	0.61	0.22	310.43	1.43	1578.96	0.90	9.33
31,500	184.88	2190.00	1.22	0.27	345.57	1.54	1843.21	0.99	9.58
31,500	185.59	3117.00	4.72	0.39	447.19	1.82	2665.08	1.20	10.29
32,000	184.04	1190.00	0.	0.	254.20	1.42	935.80	0.82	8.04
32,000	184.68	1890.00	0.03	0.13	349.09	1.77	1540.88	1.08	8.68
32,000	184.94	2190.00	0.19	0.20	384.95	1.87	1804.86	1.16	8.94
32,000	185.66	3117.00	1.95	0.38	487.30	2.15	2627.75	1.38	9.66
* 34,000	184.27	1190.00	0.	0.	1190.00	11.76	0.	0.	5.57
34,000	192.77	1890.00	494.03	0.28	126.07	0.41	1269.90	0.30	14.07
34,000	193.21	2190.00	576.53	0.30	143.27	0.45	1470.20	0.33	14.51
34,000	194.19	3117.00	832.25	0.39	196.09	0.58	2088.65	0.42	15.49

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	SECNO	CWSEL	Q	QLOB	VLOB	QCH	VCH	QROB	VROB	DEPTH
5	35,000	186.83	1190.00	195.21	0.61	167.14	1.32	827.64	0.81	6.63
6	35,000	192.77	1890.00	479.72	0.33	136.23	0.51	1274.05	0.35	12.57
7	35,000	193.21	2190.00	561.23	0.36	153.99	0.55	1474.78	0.39	13.01
8	35,000	194.19	3117.00	813.68	0.46	208.66	0.69	2094.66	0.49	13.99
10	* 44,000	195.22	1190.00	0.	0.	1190.00	9.89	0.	0.	3.72
11	* 44,000	196.67	1890.00	8.09	1.43	1675.68	9.33	206.23	3.18	5.17
12	* 44,000	196.97	2190.00	22.01	1.83	1860.03	9.68	307.95	3.69	5.47
13	* 44,000	197.75	3117.00	104.17	2.67	2375.13	10.60	637.70	4.84	6.25
15	44,500	197.52	1190.00	22.66	1.03	963.05	4.67	204.28	1.95	5.82
16	44,500	198.45	1890.00	99.45	1.55	1347.65	5.51	442.89	2.71	6.75
17	44,500	198.79	2190.00	146.49	1.72	1494.54	5.78	548.97	2.95	7.09
18	44,500	199.67	3117.00	357.59	2.44	1892.13	6.42	867.28	3.53	7.97
20	45,500	199.73	1190.00	838.84	1.69	173.62	2.73	177.54	1.22	7.63
21	45,500	200.50	1890.00	1325.83	2.18	246.02	3.48	318.15	1.65	8.40
22	45,500	200.75	2190.00	1533.94	2.37	275.72	3.78	380.33	1.82	8.65
23	45,500	201.37	3117.00	2174.85	2.95	364.36	4.65	577.79	2.30	9.27
25	46,000	199.82	1190.00	839.15	1.75	176.63	2.82	174.22	1.26	7.52
26	46,000	200.63	1890.00	1326.43	2.22	248.56	3.55	315.01	1.67	8.33
27	46,000	200.89	2190.00	1534.49	2.41	277.81	3.84	377.70	1.84	8.59
28	46,000	201.56	3117.00	2174.93	2.96	364.58	4.65	577.49	2.30	9.26
30	55,000	203.84	1190.00	459.55	4.09	577.81	6.92	152.64	4.22	4.24
31	55,000	204.92	1890.00	1070.54	4.10	596.81	5.52	222.65	2.67	5.32
32	55,000	205.27	2190.00	1299.15	4.08	614.45	5.29	276.40	2.45	5.67
33	55,000	206.15	3117.00	1982.90	4.13	674.40	4.94	459.70	2.26	6.55
35	* 55,500	205.58	1190.00	0.	0.	1190.00	11.85	0.	0.	4.98
36	* 55,500	207.13	1890.00	0.	0.	1890.00	13.89	0.	0.	6.53
37	* 55,500	207.74	2190.00	0.	0.	2190.00	14.59	0.	0.	7.14
38	* 55,500	209.49	3117.00	0.	0.	3117.00	16.39	0.	0.	8.89
40	56,500	208.14	1190.00	0.	0.	1190.00	4.67	0.	0.	5.24
41	56,500	210.80	1890.00	0.	0.	1890.00	4.88	0.	0.	7.90
42	56,500	211.82	2190.00	0.	0.	2190.00	5.00	0.	0.	8.92
43	56,500	221.68	3117.00	1175.68	0.92	1010.47	1.08	930.84	0.71	18.78
45	56,700	219.23	1190.00	376.63	0.52	445.45	0.59	367.92	0.39	15.33
46	56,700	220.50	1890.00	641.08	0.71	671.04	0.82	577.88	0.54	16.60
47	56,700	220.80	2190.00	754.75	0.79	767.68	0.92	667.57	0.61	16.90
48	56,700	222.19	3117.00	1149.94	0.97	1031.06	1.14	936.00	0.75	18.29
50	57,000	219.23	1190.00	355.65	0.60	464.20	0.65	370.15	0.44	14.33
51	57,000	220.50	1890.00	606.96	0.80	699.88	0.91	583.16	0.61	15.60
52	57,000	220.80	2190.00	715.22	0.90	800.78	1.02	674.00	0.68	15.90
53	57,000	222.20	3117.00	1095.53	1.08	1075.12	1.25	946.34	0.83	17.30
55	60,000	219.25	1190.00	320.67	0.82	501.15	0.83	368.18	0.55	12.30
56	60,000	220.52	1890.00	540.76	1.07	760.24	1.13	589.01	0.76	13.57
57	60,000	220.83	2190.00	637.47	1.18	870.30	1.27	682.23	0.85	13.88
58	60,000	222.23	3117.00	982.87	1.38	1169.95	1.55	964.17	1.04	15.28

	SECNO	CWSEL	Q	QLOB	VLOB	QCH	VCH	QROB	VROB	DEPTH
5	63,000	219.27	1190.00	462.67	1.15	557.42	1.09	169.91	0.62	11.27
6	63,000	220.56	1890.00	758.78	1.53	839.69	1.46	291.53	0.84	12.56
7	63,000	220.87	2190.00	886.06	1.70	960.78	1.63	343.16	0.94	12.87
8	63,000	222.29	3117.00	1307.72	1.99	1291.27	1.95	518.01	1.14	14.29
10	67,000	219.37	1190.00	389.74	2.11	693.61	2.19	106.65	1.03	7.37
11	67,000	220.70	1890.00	672.48	2.66	1004.14	2.63	213.38	1.38	8.70
12	67,000	221.04	2190.00	791.47	2.92	1140.74	2.86	257.79	1.52	9.04
13	67,000	222.47	3117.00	1186.28	3.35	1510.61	3.21	420.11	1.79	10.47
15	70,250	219.98	1190.00	348.42	3.29	776.17	3.43	65.41	1.44	5.58
16	70,250	221.32	1890.00	594.39	3.64	1145.46	3.90	150.14	1.72	6.92
17	70,250	221.71	2190.00	713.97	3.92	1282.36	4.09	193.66	1.91	7.31
18	70,250	223.11	3117.00	1109.76	4.38	1654.73	4.32	352.51	2.27	8.71
20	* 71,000	220.73	1190.00	458.64	5.79	589.40	8.10	141.96	2.50	5.33
21	71,000	221.65	1890.00	798.90	5.91	697.41	7.87	393.69	3.32	6.25
22	71,000	222.07	2190.00	954.31	5.77	724.77	7.57	510.92	3.44	6.67
23	71,000	223.42	3117.00	1530.04	5.44	749.34	6.31	837.62	3.31	8.02
25	76,500	226.83	813.00	216.29	1.97	262.79	2.95	333.92	1.48	6.33
26	76,500	227.49	1353.00	432.69	2.64	351.82	3.49	568.49	1.91	6.99
27	76,500	227.71	1600.00	533.60	2.92	392.14	3.75	674.26	2.09	7.21
28	76,500	228.13	2313.00	825.38	3.72	510.68	4.55	976.97	2.64	7.63
30	* 77,000	226.15	813.00	0.	0.	813.00	11.41	0.	0.	5.35
31	* 77,000	227.76	1353.00	0.	0.	1353.00	13.49	0.	0.	6.96
32	* 77,000	228.42	1600.00	0.	0.	1600.00	14.28	0.	0.	7.62
33	* 77,000	230.28	2313.00	977.13	2.36	366.98	2.52	968.89	1.60	9.48
35	78,000	231.99	813.00	614.47	1.01	84.08	1.00	114.44	0.46	9.39
36	78,000	232.90	1353.00	1026.58	1.38	124.30	1.33	202.12	0.63	10.30
37	78,000	233.27	1600.00	1215.57	1.51	140.48	1.45	243.95	0.69	10.67
38	78,000	234.27	2313.00	1749.80	1.82	181.36	1.69	381.84	0.85	11.67
40	77,000	232.00	813.00	613.53	1.08	87.66	1.08	111.81	0.50	9.10
41	77,000	232.91	1353.00	1025.11	1.46	128.98	1.42	198.91	0.67	10.01
42	77,000	233.29	1600.00	1214.43	1.60	145.35	1.54	240.21	0.73	10.39
43	77,000	234.29	2313.00	1755.07	1.91	187.11	1.79	370.81	0.88	11.39
45	78,500	232.01	813.00	611.28	1.23	94.46	1.23	107.26	0.56	8.61
46	78,500	232.93	1353.00	1023.19	1.63	137.39	1.60	192.42	0.75	9.53
47	78,500	233.30	1600.00	1211.45	1.77	154.78	1.73	233.77	0.82	9.90
48	78,500	234.31	2313.00	1758.24	2.09	197.42	1.98	357.34	0.95	10.91

SENN BRANCH
SUMMARY PRINTOUT

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SECNO	CWSEL	DIFWSP	VOL	K*XL	K*XLCH	K*XLNR	TOPWID	SSTA	ENDST	SECNO
9,500	166.76	0.	0.	120.00	100.00	120.00	548.72	143.67	822.91	9,50
9,500	167.31	0.55	0.	120.00	100.00	120.00	675.75	133.37	823.75	9,50
9,500	167.48	0.17	0.	120.00	100.00	120.00	692.17	130.19	824.02	9,50
9,500	168.00	0.52	0.	120.00	100.00	120.00	704.27	120.53	824.81	9,50
10,500	166.91	0.	1.73	120.00	100.00	120.00	644.58	140.84	823.14	10,50
10,500	167.60	0.69	2.67	120.00	100.00	120.00	696.15	128.04	824.19	10,50
10,500	167.82	0.22	2.98	120.00	100.00	120.00	700.68	123.85	824.53	10,50
10,500	168.59	0.77	4.02	120.00	100.00	120.00	716.14	109.57	825.70	10,50
12,500	168.04	0.	5.59	120.00	100.00	120.00	654.07	138.56	823.33	12,50
12,500	168.62	0.58	8.48	120.00	100.00	120.00	696.44	127.77	824.21	12,50
12,500	168.82	0.21	9.48	120.00	100.00	120.00	700.61	123.92	824.53	12,50
12,500	169.44	0.62	12.77	120.00	100.00	120.00	713.13	112.35	825.48	12,50
15,500	169.60	0.	10.93	120.00	100.00	120.00	311.21	233.04	544.25	15,50
15,500	170.28	0.68	15.91	120.00	100.00	120.00	328.98	229.49	558.47	15,50
15,500	170.52	0.24	17.68	120.00	100.00	120.00	333.07	228.25	561.32	15,50
15,500	171.14	0.63	23.20	120.00	100.00	120.00	338.06	224.97	563.02	15,50
17,000	174.20	0.	14.99	120.00	100.00	120.00	429.69	102.18	531.86	17,00
17,000	177.13	2.92	22.73	120.00	100.00	120.00	516.33	51.15	567.48	17,00
17,000	178.24	1.11	25.65	120.00	100.00	120.00	549.05	31.98	581.04	17,00
17,000	181.41	3.17	34.74	120.00	100.00	120.00	605.56	0.	605.56	17,00
23,500	174.88	0.	29.96	120.00	100.00	120.00	192.57	189.37	381.94	23,50
23,500	177.41	2.53	51.98	120.00	100.00	120.00	217.96	179.89	397.79	23,50
23,500	178.46	1.05	61.05	120.00	100.00	120.00	222.90	178.35	401.25	23,50
23,500	181.53	3.07	89.45	120.00	100.00	120.00	254.39	155.16	409.55	23,50
30,500	181.10	0.	39.49	120.00	100.00	120.00	453.61	391.72	845.34	30,50
30,500	181.33	0.24	66.70	120.00	100.00	120.00	485.60	381.67	867.27	30,50
30,500	181.52	0.19	78.35	120.00	100.00	120.00	509.92	374.03	883.94	30,50
30,500	182.86	1.33	118.62	120.00	100.00	120.00	607.86	318.84	926.70	30,50
* 30,900	182.81	0.	40.63	120.00	100.00	120.00	586.10	332.80	918.90	30,90
* 30,900	182.70	-0.11	67.86	120.00	100.00	120.00	578.84	337.46	916.30	30,90
* 30,900	182.90	0.20	79.61	120.00	100.00	120.00	591.99	329.02	921.01	30,90
30,900	183.00	0.10	120.25	120.00	100.00	120.00	598.16	325.06	923.22	30,90
31,500	184.01	0.	42.89	120.00	100.00	120.00	499.39	242.94	742.33	31,50
31,500	184.63	0.62	70.29	120.00	100.00	120.00	517.66	238.97	756.63	31,50
31,500	184.88	0.26	82.21	120.00	100.00	120.00	525.34	237.31	762.64	31,50
31,500	185.59	0.71	123.14	120.00	100.00	120.00	553.84	80.58	778.86	31,50
32,000	184.04	0.	44.59	120.00	100.00	120.00	481.57	245.00	726.57	32,00
32,000	184.68	0.63	72.35	120.00	100.00	120.00	498.10	243.22	741.32	32,00
32,000	184.94	0.26	84.42	120.00	100.00	120.00	505.87	241.53	747.40	32,00
32,000	185.66	0.72	125.79	120.00	100.00	120.00	527.19	236.90	764.10	32,00
* 34,000	184.27	0.	47.85	100.00	80.00	100.00	24.00	509.00	533.00	34,00
34,000	192.77	8.50	90.78	100.00	80.00	100.00	722.59	285.51	1008.10	34,00
34,000	193.21	0.44	103.89	100.00	80.00	100.00	726.02	283.36	1009.38	34,00
34,000	194.19	0.98	147.75	100.00	80.00	100.00	733.68	278.57	1012.25	34,00

SECNO	CWSEL	DIFWSP	VOL	K*XL	K*XLCH	K*XLNR	TOPWID	SSTA	ENDST	SECNO
35,000	186.83	0.	49.66	100.00	80.00	100.00	555.29	345.51	900.81	35.00
35,000	192.77	5.94	104.24	100.00	80.00	100.00	710.89	292.82	1003.71	35.00
35,000	193.21	0.44	118.06	100.00	80.00	100.00	714.32	290.68	1005.00	35.00
35,000	194.19	0.98	163.56	100.00	80.00	100.00	721.98	285.89	1007.87	35.00
* 44,000	195.22	0.	66.12	100.00	80.00	100.00	40.81	189.00	229.81	44.00
* 44,000	196.67	1.45	161.81	100.00	80.00	100.00	117.76	172.06	289.82	44.00
* 44,000	196.97	0.31	179.26	100.00	80.00	100.00	126.55	164.27	290.82	44.00
* 44,000	197.75	0.78	233.14	100.00	80.00	100.00	148.84	144.51	293.35	44.00
44,500	197.52	0.	66.38	100.00	80.00	100.00	136.38	155.55	291.93	44.50
44,500	198.45	0.93	162.22	100.00	80.00	100.00	163.06	131.90	294.96	44.50
44,500	198.79	0.34	179.73	100.00	80.00	100.00	172.82	123.24	296.07	44.50
44,500	199.67	0.88	233.77	100.00	80.00	100.00	183.14	115.81	298.95	44.50
45,500	199.73	0.	67.57	100.00	80.00	100.00	214.69	1.30	216.00	45.50
45,500	200.50	0.77	163.77	100.00	80.00	100.00	220.50	0.	220.50	45.50
45,500	200.75	0.25	181.40	100.00	80.00	100.00	221.97	0.	221.97	45.50
45,500	201.37	0.61	235.78	100.00	80.00	100.00	225.57	0.	225.57	45.50
46,000	199.82	0.	68.36	100.00	80.00	100.00	211.50	3.41	215.35	46.00
46,000	200.63	0.81	164.76	100.00	80.00	100.00	220.06	0.	220.06	46.00
46,000	200.89	0.27	182.46	100.00	80.00	100.00	221.63	0.	221.63	46.00
46,000	201.56	0.67	237.00	100.00	80.00	100.00	225.54	0.	225.54	46.00
55,000	203.84	0.	77.80	60.00	80.00	100.00	160.40	667.24	827.64	55.00
55,000	204.92	1.08	178.28	60.00	80.00	100.00	260.11	630.40	900.48	55.00
55,000	205.27	0.35	197.58	60.00	80.00	100.00	282.61	618.31	909.68	55.00
55,000	206.15	0.88	256.48	60.00	80.00	100.00	335.37	591.69	932.78	55.00
* 55,500	205.58	0.	77.99	60.00	80.00	100.00	23.00	788.00	811.00	55.50
* 55,500	207.13	1.55	178.62	60.00	80.00	100.00	23.00	788.00	811.00	55.50
* 55,500	207.74	0.61	197.98	60.00	80.00	100.00	23.00	788.00	811.00	55.50
* 55,500	209.49	1.74	257.06	60.00	80.00	100.00	23.00	788.00	811.00	55.50
56,500	208.14	0.	78.40	60.00	80.00	100.00	50.00	400.00	450.00	56.50
56,500	210.80	2.66	179.22	60.00	80.00	100.00	50.00	400.00	450.00	56.50
56,500	211.82	1.02	198.65	60.00	80.00	100.00	50.00	400.00	450.00	56.50
56,500	221.68	9.87	261.31	60.00	80.00	100.00	357.69	209.84	567.53	56.50
56,700	219.23	0.	79.01	60.00	80.00	100.00	280.23	265.52	545.75	56.70
56,700	220.50	1.26	179.95	60.00	80.00	100.00	308.68	245.07	553.75	56.70
56,700	220.80	0.30	199.41	60.00	80.00	100.00	315.53	240.15	555.68	56.70
56,700	222.19	1.39	262.88	60.00	80.00	100.00	346.75	217.71	564.45	56.70
57,000	219.23	0.	80.58	60.00	80.00	100.00	257.71	281.71	539.42	57.00
57,000	220.50	1.26	181.77	60.00	80.00	100.00	286.07	261.32	547.39	57.00
57,000	220.80	0.30	201.29	60.00	80.00	100.00	292.88	256.43	549.31	57.00
57,000	222.20	1.39	265.07	60.00	80.00	100.00	324.20	233.92	558.11	57.00
60,000	219.25	0.	93.73	60.00	80.00	100.00	195.17	334.87	530.04	60.00
60,000	220.52	1.27	197.06	60.00	80.00	100.00	240.43	294.13	534.56	60.00
60,000	220.83	0.31	217.15	60.00	80.00	100.00	247.32	289.17	536.50	60.00
60,000	222.23	1.40	283.68	60.00	80.00	100.00	278.76	266.57	545.34	60.00

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SECNO	CWSEL	DIFWSP	VOL	K*XNL	K*XNCH	K*XNR	TOPWID	SSTA	ENDST	SECNO
63.000	219.27	0.	103.59	60.00	80.00	100.00	165.58	136.29	301.87	63.00
63.000	220.56	1.29	208.66	60.00	80.00	100.00	188.65	119.87	308.52	63.00
63.000	220.87	0.32	229.21	60.00	80.00	100.00	195.28	114.87	310.14	63.00
63.000	222.29	1.41	298.03	60.00	80.00	100.00	221.26	96.45	317.72	63.00
67.000	219.37	0.	111.82	60.00	80.00	100.00	135.47	151.20	286.67	67.00
67.000	220.70	1.33	218.78	60.00	80.00	100.00	145.20	146.12	291.32	67.00
67.000	221.04	0.34	239.84	60.00	80.00	100.00	147.84	144.82	292.66	67.00
67.000	222.47	1.44	311.03	60.00	80.00	100.00	159.01	139.31	298.32	67.00
70.250	219.98	0.	115.48	60.00	80.00	100.00	114.09	162.00	276.09	70.25
70.250	221.32	1.35	223.75	60.00	80.00	100.00	133.13	152.91	286.03	70.25
70.250	221.71	0.39	245.20	60.00	80.00	100.00	135.18	151.41	286.59	70.25
70.250	223.11	1.40	317.94	60.00	80.00	100.00	145.30	146.07	291.37	70.25
* 71.000	220.73	0.	115.98	60.00	80.00	100.00	132.59	130.68	263.27	71.00
71.000	221.65	0.93	224.52	60.00	80.00	100.00	155.13	114.61	269.74	71.00
71.000	222.07	0.42	246.06	60.00	80.00	100.00	165.26	107.39	272.65	71.00
71.000	223.42	1.35	319.18	60.00	80.00	100.00	192.74	89.33	282.07	71.00
76.500	226.83	0.	119.98	60.00	80.00	100.00	205.75	80.13	285.87	76.50
76.500	227.49	0.65	230.23	60.00	80.00	100.00	216.31	72.30	288.61	76.50
76.500	227.71	0.22	252.49	60.00	80.00	100.00	219.77	69.73	289.51	76.50
76.500	228.13	0.42	327.75	60.00	80.00	100.00	226.70	64.60	291.30	76.50
* 77.000	226.15	0.	120.27	60.00	80.00	100.00	18.00	159.00	177.00	77.00
* 77.000	227.76	1.61	230.61	60.00	80.00	100.00	18.00	159.00	177.00	77.00
* 77.000	228.42	0.66	252.91	60.00	80.00	100.00	18.00	159.00	177.00	77.00
* 77.000	230.28	1.86	328.82	60.00	80.00	100.00	260.37	49.78	310.15	77.00
78.000	231.99	0.	121.43	60.00	80.00	100.00	231.67	47.23	278.89	78.00
78.000	232.90	0.91	232.06	60.00	80.00	100.00	251.44	38.01	289.45	78.00
78.000	233.27	0.37	254.47	60.00	80.00	100.00	257.64	36.16	293.79	78.00
78.000	234.27	1.00	331.91	60.00	80.00	100.00	275.08	31.14	306.22	78.00
77.000	232.00	0.	122.47	60.00	80.00	100.00	223.97	51.46	275.43	77.00
77.000	232.91	0.92	233.35	60.00	80.00	100.00	246.71	39.43	286.14	77.00
77.000	233.29	0.37	255.87	60.00	80.00	100.00	252.93	37.57	290.50	77.00
77.000	234.29	1.01	333.61	60.00	80.00	100.00	269.99	32.54	302.53	77.00
78.500	232.01	0.	123.41	60.00	80.00	100.00	211.25	58.46	269.71	78.50
78.500	232.93	0.92	234.53	60.00	80.00	100.00	235.19	45.29	280.48	78.50
78.500	233.30	0.37	257.16	60.00	80.00	100.00	244.89	39.97	284.87	78.50
78.500	234.31	1.01	335.19	60.00	80.00	100.00	261.74	34.93	296.67	78.50

SUMMARY OF ERRORS

CAUTION SECNO# 30.900 PROFILE# 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO# 30.900 PROFILE# 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO# 30.900 PROFILE# 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO# 30.900 PROFILE# 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO# 30.900 PROFILE# 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO# 30.900 PROFILE# 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO# 30.900 PROFILE# 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO# 30.900 PROFILE# 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO# 30.900 PROFILE# 3 20 TRIALS ATTEMPTED TO BALANCE WSEL

SENN BRANCH FLOODWAY

FIA

THIS RUN EXECUTED 04/23/79 8,732

 HEC2 RELEASE DATED NOV 76 UPDATED AUG 1977
 ERROR CORR = 01,02
 MODIFICATION = 50,51,52,53

T1 LEXINGTON COUNTY, SC 100=YEAR 00000000
 T2 FPIS 00000000
 T3 SENN BRANCH 00000000

J1 ICHECK INQ NINV IDIR STRT METRIC HVINS @ WSEL FQ
 0. 4. 0. 0. 0. 0. 0. 0. 167,500 0.

J2 NPROF IPLOT PRFVS XSECV XSECH FN ALLDC IBW CHNIM ITRACE
 1,000 0. -1,000 10,000 100,000 0. 0. 0. 0. 0.

J3 VARIABLE CODES FOR SUMMARY PRINTOUT

38,000 1,000 50,000 42,000 33,000 58,000 39,000 0. 38,000 1,000

50,000 51,000 40,000 41,000 25,000 0. 38,000 1,000 43,000 13,000

55,000 14,000 26,000 15,000 56,000 8,000 0. 38,000 1,000 50,000

7,000 16,000 17,000 18,000 4,000 53,000 54,000 38,000 0. 0.

J5 LPRNT NUMSEC *****REQUESTED SECTION NUMBERS*****

-10,000 -10,000 0. 0. 0. 0. 0. 0. 0. 0.
 NC 0,120 0,120 0,100 0,100 0,300 0. 0. 0. 0.
 QT 5,000 1273,000 2007,000 2318,000 3290,000 2318,000 0. 0. 0. 0.
 ET 0. 0. 0. 0. 0. 10,400 0. 0. 0. 0.

X1 9,500 32,000 600,000 615,000 0. 0. 0. 0. -1,000 0.
 X3 10,000 0. 0. 0. 0. 0. 0. 163,500 163,500 0.
 GR 175,100 0. 170,700 9,000 170,800 20,000 171,000 32,000 176,500 38,000
 GR 170,100 100,000 167,100 156,000 167,800 200,000 167,900 239,000 167,700 300,000
 GR 166,100 400,000 166,500 500,000 166,800 574,000 163,900 592,000 162,800 600,000
 GR 160,200 602,000 159,600 605,000 160,200 608,000 165,500 615,000 166,400 682,000
 GR 166,500 684,000 166,900 697,000 167,000 710,000 166,900 711,000 168,500 800,000
 GR 168,400 804,000 165,100 811,000 164,900 815,000 165,200 819,000 172,400 830,000
 GR 172,500 845,000 177,300 900,000 0. 0. 0. 0. 0. 0.
 SB 0. 1,500 2,500 150,000 2,750 0. 9,620 0. 0. 0.

X1 10,500 0. 0. 0. 100,000 100,000 100,000 0. 0. 0.
 X2 0. 0. 1,000 162,000 163,100 0. 0. 0. 0. 0.
 X3 10,000 0. 0. 0. 0. 0. 0. 163,500 163,500 0.

X1 12,500 0. 0. 0. 200,000 200,000 200,000 0. 1,000 0.
 QT 5,000 1190,000 1890,000 2190,000 3117,000 2190,000 0. 0. 0. 0.

X1	15,500	29,000	330,000	344,000	300,000	300,000	300,000	0.	0.	0.
X3	10,000	0.	0.	0.	0.	0.	0.	166,000	166,000	0.
GR	180,000	0.	178,200	32,000	174,000	53,000	173,000	100,000	172,500	142,000
GR	173,400	193,000	175,600	197,000	175,900	200,000	165,800	253,000	168,000	260,000
GR	167,600	300,000	166,700	330,000	162,100	333,000	162,100	339,000	162,800	344,000
GR	164,000	344,000	168,200	362,000	167,700	400,000	167,500	500,000	170,400	561,000
GR	172,600	567,000	172,600	600,000	177,200	700,000	183,200	796,000	183,000	799,000
GR	183,100	812,000	183,100	827,000	188,400	900,000	190,100	917,000	0.	0.
SB	0.	1,500	2,500	0.	2,750	0.	9,620	0.	0.	0.

X1	17,000	15,000	394,000	411,000	150,000	150,000	150,000	0.	0.	0.
X2	0.	0.	1,000	165,500	166,000	0.	0.	0.	0.	0.
X3	10,000	0.	0.	0.	0.	0.	0.	166,000	166,000	0.
BT	6,000	390,000	167,200	0.	394,000	165,900	0.	395,000	165,900	0.
BT	401,000	165,700	0.	406,000	167,500	0.	411,000	169,300	0.	0.
GR	180,100	0.	174,300	100,000	170,300	200,000	168,900	300,000	169,400	385,000
GR	167,200	390,000	165,900	394,000	163,600	395,000	163,200	401,000	163,400	406,000
GR	169,300	411,000	171,600	500,000	179,800	600,000	182,700	610,000	191,000	671,000

X1	23,500	17,000	323,000	339,000	650,000	650,000	650,000	0.	0.	0.
GR	195,000	0.	190,900	49,000	186,200	100,000	183,900	136,000	178,700	178,000
GR	175,300	183,000	174,200	200,000	172,600	216,000	173,200	300,000	173,400	323,000
GR	171,400	325,000	170,300	331,000	170,900	337,000	173,600	339,000	175,100	389,000
GR	178,000	400,000	191,300	436,000	0.	0.	0.	0.	0.	0.

X1	30,500	18,000	439,000	457,000	700,000	700,000	700,000	0.	-0,300	0.
GR	190,100	0.	186,200	100,000	187,300	200,000	183,600	300,000	181,200	400,000
GR	179,500	439,000	177,400	445,000	176,600	450,000	175,600	454,000	178,600	457,000
GR	179,300	500,000	178,100	600,000	179,600	700,000	180,900	800,000	182,000	900,000
GR	186,300	1000,000	188,800	1100,000	189,100	1103,000	0.	0.	0.	0.

X1	30,900	0.	0.	0.	40,000	40,000	40,000	0.	0,300	0.
X3	10,000	0.	0.	0.	0.	0.	0.	182,700	182,700	0.
SB	0.	1,500	2,500	200,000	12,000	0.	60,000	0.	0.	0.

X1	31,500	19,000	245,000	275,000	60,000	60,000	60,000	0.	0.	0.
X2	0.	0.	1,000	182,600	182,700	0.	0.	0.	0.	0.
X3	10,000	0.	0.	0.	0.	0.	0.	182,700	182,700	0.
GR	190,100	0.	185,400	84,000	186,100	100,000	188,000	200,000	188,200	216,000
GR	183,700	245,000	179,600	245,000	177,700	258,000	175,300	266,000	177,000	274,000
GR	179,300	275,000	179,400	300,000	180,200	400,000	180,400	500,000	181,700	600,000
GR	182,200	700,000	186,500	800,000	189,500	900,000	190,100	921,000	0.	0.
SB	0.	1,500	2,500	200,000	10,000	0.	90,000	0.	0.	0.

X1	32,000	0.	0.	0.	50,000	50,000	50,000	0.	0,700	0.
NC	0,100	0,100	0,080	0.	0.	0.	0.	0.	0.	0.

X1	34,000	24,000	509,000	533,000	200,000	200,000	200,000	0.	-1,500	0.
X2	0.	0.	1,000	188,500	192,200	0.	0.	0.	0.	0.
X3	10,000	0.	0.	0.	0.	0.	0.	192,700	192,700	0.
GR	205,000	0.	205,300	100,000	208,300	158,000	206,700	200,000	203,800	239,000
GR	191,300	300,000	186,100	353,000	184,800	400,000	184,300	500,000	184,300	509,000
GR	180,500	517,000	180,600	522,000	180,200	528,000	185,000	533,000	186,300	541,000
GR	183,600	555,000	183,000	581,000	182,900	600,000	183,100	700,000	184,300	800,000
GR	186,800	900,000	190,900	996,000	191,500	1000,000	198,000	1019,000	0.	0.

X1	35,000	0.	0.	0.	100,000	100,000	100,000	0.	1,500	0.
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X1	44,000	17,000	189,000	230,000	900,000	900,000	900,000	0.	0.	0.
GR	210,000	0.	204,500	87,000	201,400	100,000	198,600	123,000	196,000	189,000
GR	192,300	189,000	191,500	208,000	192,700	224,000	195,300	230,000	195,800	287,000
GR	199,800	300,000	200,200	304,000	200,000	305,000	200,400	342,000	201,200	355,000
GR	200,600	366,000	200,700	387,000	0.	0.	0.	0.	0.	0.

X1	44,500	0.	0.	0.	50,000	50,000	50,000	0.	0,200	0.
X3	10,000	0.	0.	0.	0.	0.	0.	197,500	197,500	0.
SB	0.	1,500	2,500	300,000	13,000	0.	110,000	1,500	0.	0.

X1	45,500	18,000	147,000	156,000	100,000	100,000	100,000	0.	-0,200	0.
X2	0.	0.	1,000	197,700	199,500	0.	0.	0.	0.	0.
X3	10,000	0.	0.	0.	0.	0.	0.	199,500	199,500	0.
GR	200,000	0.	199,000	19,000	198,800	47,000	196,100	65,000	194,800	100,000
GR	194,100	147,000	192,600	149,000	192,300	151,000	192,500	153,000	193,700	156,000
GR	194,100	159,000	199,900	170,000	196,800	181,000	197,200	200,000	204,200	241,000
GR	208,300	253,000	213,000	300,000	215,000	363,000	0.	0.	0.	0.

X1	46,000	0.	0.	0.	50,000	50,000	50,000	0.	0,200	0.
NC	0,060	0,100	0,080	0.	0.	0.	0.	0.	0.	0.

X1	55,000	25,000	788,000	811,000	900,000	900,000	900,000	0.	0.	0.
GR	235,000	0.	229,400	98,000	229,600	110,000	228,900	122,000	229,700	137,000
GR	227,400	200,000	224,300	300,000	217,600	400,000	209,800	472,000	210,000	484,000
GR	209,600	494,000	210,000	500,000	205,800	600,000	202,900	700,000	202,600	788,000
GR	199,800	791,000	200,400	799,000	199,600	809,000	201,000	811,000	201,900	825,000
GR	207,800	833,000	204,000	841,000	204,900	900,000	206,500	942,000	233,000	994,000

X1	55,500	0.	0.	0.	50,000	50,000	50,000	0.	1,000	0.
X3	10,000	0.	0.	0.	0.	0.	0.	220,000	220,000	0.
SB	1,250	1,500	2,500	200,000	13,000	1,200	88,300	0.	0.	0.

X1	56,500	23,000	400,000	450,000	100,000	100,000	100,000	0.	-1,000	0.
X2	0.	0.	1,000	215,000	220,000	0.	0.	0.	0.	0.
X3	10,000	0.	0.	0.	0.	0.	0.	220,000	220,000	0.
GR	235,100	0.	228,500	100,000	225,000	128,000	225,300	141,000	225,100	153,000
GR	225,700	163,000	223,300	200,000	217,100	300,000	215,800	350,000	212,400	352,000
GR	203,900	400,000	204,200	450,000	207,200	500,000	214,700	528,000	216,900	531,000
GR	225,300	584,000	225,200	600,000	225,800	631,000	223,700	638,000	224,400	652,000
GR	224,500	665,000	234,300	680,000	235,000	692,000	0.	0.	0.	0.
SB	0.	1,500	2,500	0.	1,000	0.	1,000	0.	214,800	0.

X1	56,700	23,000	400,000	450,000	20,000	20,000	20,000	0.	0.	0.
X2	0.	0.	1,000	214,800	214,800	0.	0.	0.	0.	0.
X3	10,000	0.	0.	0.	0.	0.	0.	215,000	215,000	0.
BT	11,000	0.	224,000	0.	175,000	219,600	0.	340,000	222,300	0.
BT	400,000	222,000	0.	400,000	214,800	0.	450,000	214,800	0.	450,000
BT	220,300	0.	550,000	219,700	0.	610,000	223,400	0.	630,000	229,600
BT	0.	665,000	235,300	0.	0.	0.	0.	0.	0.	0.
GR	235,100	0.	228,500	100,000	225,000	128,000	225,300	141,000	225,100	153,000
GR	225,700	163,000	223,300	200,000	217,100	300,000	215,800	350,000	212,400	352,000
GR	203,900	400,000	204,200	450,000	207,200	500,000	214,700	528,000	216,900	531,000
GR	225,300	584,000	225,200	600,000	225,800	631,000	223,700	638,000	224,400	652,000
GR	224,500	665,000	234,300	680,000	235,000	692,000	0.	0.	0.	0.

X1	57,000	0.	0.	0.	30,000	30,000	30,000	0.	1,000	0.
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HEC2 RELEASE DATED NOV 76 UPDATED AUG 1977
ERROR CORR = 01,02
MODIFICATION = 50,51,52,53

T1	LEXINGTON COUNTY,		FLOODWAY		00000000					
T2	FPIS				00000000					
T3	SENN BRANCH				00000000					
J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0.	6.	0.	0.	0.	0.	0.	0.	168.500	0.
J2	NPROF	IPLDT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.000	0.	-1.000	10.000	100.000	0.	0.	0.	0.	0.

HEC2 RELEASE DATED NOV 76 UPDATED AUG 1977
ERROR CORR = 01,02
MODIFICATION = 50,51,52,53

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

SENN BRANCH
SUMMARY PRINTOUT

	SECNO	CWSEL	DIFWSP	ELMIN	K*CHSL	KRATIO	XLCH
	A 9,500	167,50	0.	158,60	0.	0.	0.
	9,500	168,50	1.00	158,60	0.	0.	0.
	10,500	167,84	0.	158,60	0.	1,28	100,00
	10,500	168,84	1.00	158,60	0.	1,27	100,00
	12,500	168,83	0.	159,60	5,00	0,99	200,00
	12,500	169,83	1,01	159,60	5,00	0,99	200,00
	15,500	170,52	0.	162,10	8,33	0,81	300,00
	15,500	171,52	1,00	162,10	8,33	0,82	300,00
	17,000	178,24	0.	163,20	7,33	6,66	150,00
	17,000	179,24	1,00	163,20	7,33	6,67	150,00
	D 23,500	178,46	0.	170,30	10,92	0,23	650,00
	23,500	179,45	0,99	170,30	10,92	0,23	650,00
	E 30,500	181,52	0.	175,30	7,14	0,64	700,00
	30,500	182,54	1,02	175,30	7,14	0,63	700,00
*	30,900	182,90	0.	175,60	7,50	1,84	40,00
	30,900	182,83	-0,07	175,60	7,50	1,26	40,00
	31,500	184,88	0.	175,30	-5,00	1,51	60,00
	31,500	184,81	-0,07	175,30	-5,00	1,61	60,00
	32,000	184,94	0.	176,00	14,00	0,77	50,00
	32,000	184,86	-0,07	176,00	14,00	0,75	50,00
	34,000	193,21	0.	178,70	13,50	8,41	200,00
	34,000	193,20	-0,01	178,70	13,50	10,27	200,00
	F 35,000	193,21	0.	180,20	15,00	0,76	100,00
	35,000	193,20	-0,01	180,20	15,00	0,74	100,00
*	44,000	196,97	0.	191,50	12,56	0,03	900,00
* G	44,000	196,72	-0,25	191,50	12,56	0,03	900,00

	SECNO	CWSEL	DIFWSP	ELMIN	K*CHSL	KRATIO	XLCH
	44,500	198.79	0.	191.70	4.00	2.04	50.00
	44,500	199.68	0.89	191.70	4.00	2.53	50.00
H	45,500	200.75	0.	192.10	4.00	1.83	100.00
	45,500	201.64	0.89	192.10	4.00	1.95	100.00
	46,000	200.89	0.	192.30	4.00	0.98	50.00
	46,000	201.78	0.89	192.30	4.00	0.98	50.00
	55,000	205.27	0.	199.60	8.11	0.54	900.00
	55,000	206.24	0.97	199.60	8.11	0.51	900.00
*	55,500	207.74	0.	200.60	20.00	0.39	50.00
*	55,500	207.75	0.00	200.60	20.00	0.36	50.00
	56,500	211.82	0.	202.90	23.00	4.02	100.00
	56,500	212.82	1.00	202.90	23.00	5.52	100.00
	56,700	220.80	0.	203.90	50.00	8.48	20.00
	56,700	221.80	1.00	203.90	50.00	7.07	20.00
	57,000	220.80	0.	204.90	33.33	0.86	30.00
	57,000	221.80	1.00	204.90	33.33	0.87	30.00
	60,000	220.83	0.	206.95	6.83	0.73	300.00
	60,000	221.83	1.00	206.95	6.83	0.75	300.00
	63,000	220.87	0.	208.00	3.50	0.71	300.00
	63,000	221.87	0.99	208.00	3.50	0.69	300.00
	67,000	221.04	0.	212.00	10.00	0.44	400.00
	67,000	222.01	0.97	212.00	10.00	0.43	400.00
	70,250	221.71	0.	214.40	7.38	0.59	325.00
	70,250	222.69	0.98	214.40	7.38	0.55	325.00
	71,000	222.07	0.	215.40	13.33	0.47	75.00
	71,000	222.77	0.70	215.40	13.33	0.46	75.00
	76,500	227.71	0.	220.50	9.27	1.48	550.00
	76,500	228.96	1.25	220.50	9.27	1.79	550.00
*	77,000	228.42	0.	220.80	6.00	0.25	50.00
*	77,000	228.42	0.00	220.80	6.00	0.21	50.00
	78,000	233.27	0.	222.60	18.00	14.28	100.00
	78,000	233.27	0.00	222.60	18.00	12.58	100.00
	77,000	233.29	0.	222.90	6.00	0.92	50.00
	77,000	233.30	0.01	222.90	6.00	0.93	50.00
	78,500	233.30	0.	223.40	10.00	0.86	50.00
	78,500	233.32	0.02	223.40	10.00	0.86	50.00

SENN BRANCH
SUMMARY PRINTOUT

SECNO	CWSEL	DIFWSP	DIFWSX	ELTRD	ELLC	AREA
9,500	167.50	0.	0.	0.	0.	1192.31
9,500	168.50	1.00	0.	0.	0.	834.88
10,500	167.84	0.	0.34	163.10	162.00	1429.40
10,500	168.84	1.00	0.34	999999.00	0.	1022.72
12,500	168.83	0.	0.99	0.	0.	1416.57
12,500	169.83	1.01	0.99	0.	0.	1012.16
15,500	170.52	0.	1.69	0.	0.	966.68
15,500	171.52	1.00	1.69	0.	0.	763.30
17,000	178.24	0.	7.72	166.00	165.50	3662.41
17,000	179.24	1.00	7.72	999999.00	0.	3183.49
23,500	178.46	0.	0.22	0.	0.	1081.54
23,500	179.45	0.99	0.20	0.	0.	918.58
30,500	181.52	0.	3.06	0.	0.	1071.70
30,500	182.54	1.02	3.10	0.	0.	787.89
* 30,900	182.90	0.	1.38	0.	0.	1672.17
30,900	182.83	-0.07	0.28	0.	0.	1005.63
31,500	184.88	0.	1.98	182.70	182.60	2100.03
31,500	184.81	-0.07	1.98	999999.00	0.	1395.67
32,000	184.94	0.	0.05	0.	0.	1762.13
32,000	184.86	-0.07	0.05	999999.00	0.	1125.24
34,000	193.21	0.	8.27	192.20	188.50	6715.91
34,000	193.20	-0.01	8.33	192.20	188.50	5565.72
35,000	193.21	0.	0.00	0.	0.	5636.14
35,000	193.20	-0.01	0.00	0.	0.	4512.20
* 44,000	196.97	0.	3.76	0.	0.	287.72
* 44,000	196.72	-0.25	3.52	0.	0.	181.84
44,500	198.79	0.	1.82	0.	0.	529.63
44,500	199.68	0.89	2.96	0.	0.	375.02
45,500	200.75	0.	1.96	199.50	197.70	928.32
45,500	201.64	0.89	1.96	999999.00	0.	741.04
46,000	200.89	0.	0.14	0.	0.	915.45
46,000	201.78	0.89	0.14	0.	0.	730.20
55,000	205.27	0.	4.38	0.	0.	547.56
55,000	206.24	0.97	4.46	0.	0.	378.72
* 55,500	207.74	0.	2.47	0.	0.	150.08
* 55,500	207.75	0.00	1.50	0.	0.	150.15

SECNO	CWSEL	DIFWSP	DIFWSX	ELTRD	ELLC	AREA
56,500	211.82	0.	4.08	220.00	215.00	438.41
56,500	212.82	1.00	5.07	220.00	215.00	488.41
56,700	220.80	0.	8.98	214.80	214.80	2883.22
56,700	221.80	1.00	8.98	999999.00	0.	2521.36
57,000	220.80	0.	0.00	0.	0.	2576.13
57,000	221.80	1.00	-0.00	0.	0.	2246.95
60,000	220.83	0.	0.03	0.	0.	2027.80
60,000	221.83	1.00	0.03	0.	0.	1902.98
63,000	220.87	0.	0.05	0.	0.	1474.88
63,000	221.87	0.99	0.04	0.	0.	1358.11
67,000	221.04	0.	0.16	0.	0.	839.83
67,000	222.01	0.97	0.14	0.	0.	707.12
70,250	221.71	0.	0.68	0.	0.	596.61
70,250	222.69	0.98	0.68	0.	0.	470.17
71,000	222.07	0.	0.36	0.	0.	409.39
71,000	222.77	0.70	0.08	0.	0.	261.19
76,500	227.71	0.	5.64	0.	0.	609.24
76,500	228.96	1.25	6.18	0.	0.	512.20
* 77,000	228.42	0.	0.71	0.	0.	112.07
* 77,000	228.42	0.00	-0.54	0.	0.	112.10
78,000	233.27	0.	4.85	230.00	224.50	1252.98
78,000	233.27	0.00	4.85	999999.00	0.	819.02
77,000	233.29	0.	0.02	0.	0.	1181.02
77,000	233.30	0.01	0.03	0.	0.	784.62
78,500	233.30	0.	0.02	0.	0.	1061.05
78,500	233.32	0.02	0.02	0.	0.	690.40

SENN BRANCH
SUMMARY PRINTOUT

SECNO	CWSEL	Q	QLOB	VLOB	QCH	VCH	QROB	VROB	DEPTH
9.500	167.50	2318.00	1273.23	1.70	448.21	4.26	596.56	1.76	8.90
9.500	168.50	2318.00	1606.83	2.46	561.77	4.68	149.40	2.38	9.90
10.500	167.84	2318.00	1324.35	1.46	380.29	3.45	613.37	1.49	9.24
10.500	168.84	2318.00	1615.15	2.06	472.39	3.77	230.46	2.05	10.24
12.500	168.83	2318.00	1321.97	1.47	383.45	3.49	612.58	1.50	9.23
12.500	169.83	2318.00	1616.43	2.08	476.70	3.81	224.87	2.06	10.23
15.500	170.52	2190.00	607.88	2.07	447.08	4.10	1135.03	2.01	8.42
15.500	171.52	2190.00	355.39	2.70	546.27	4.43	1288.34	2.53	9.42
17.000	178.24	2190.00	1466.93	0.60	216.07	0.91	507.00	0.53	15.04
17.000	179.24	2190.00	1550.10	0.68	242.07	0.95	397.83	0.61	16.04
23.500	178.46	2190.00	1488.72	2.02	326.08	2.78	375.20	1.65	8.16
23.500	179.45	2190.00	1618.94	2.34	404.64	3.04	166.42	1.77	9.15
30.500	181.52	2190.00	82.21	1.25	261.32	3.22	1846.47	2.00	6.22
30.500	182.54	2190.00	0.	0.	334.73	3.36	1855.27	2.70	7.24
* 30.900	182.90	2190.00	137.42	0.86	203.09	2.02	1849.49	1.31	7.30
30.900	182.83	2190.00	0.	0.	263.36	2.65	1926.63	2.13	7.23
31.500	184.88	2190.00	1.22	0.27	345.57	1.54	1843.21	0.99	9.58
31.500	184.81	2190.00	0.	0.	457.14	2.05	1732.86	1.48	9.51
32.000	184.94	2190.00	0.19	0.20	384.95	1.87	1804.86	1.16	8.94
32.000	184.86	2190.00	0.	0.	529.44	2.61	1660.56	1.80	8.86
34.000	193.21	2190.00	576.53	0.30	143.27	0.45	1470.20	0.33	14.51
34.000	193.20	2190.00	491.49	0.37	165.91	0.53	1532.60	0.39	14.50
35.000	193.21	2190.00	561.23	0.36	153.99	0.55	1474.78	0.39	13.01
35.000	193.20	2190.00	453.92	0.45	182.32	0.65	1553.76	0.48	13.00
* 44.000	196.97	2190.00	22.01	1.83	1860.03	9.68	307.95	3.69	5.47
* 44.000	196.72	2190.00	0.	0.	2190.00	12.04	0.	0.	5.22
44.500	198.79	2190.00	146.49	1.72	1494.54	5.78	548.97	2.95	7.09
44.500	199.68	2190.00	0.	0.	1907.79	6.47	282.21	3.53	7.98
45.500	200.75	2190.00	1533.94	2.37	275.72	3.78	380.33	1.82	8.65
45.500	201.64	2190.00	1685.31	2.88	330.82	4.09	173.87	2.31	9.54
46.000	200.89	2190.00	1534.49	2.41	277.81	3.84	377.70	1.84	8.59
46.000	201.78	2190.00	1687.49	2.92	333.07	4.14	169.43	2.35	9.48
55.000	205.27	2190.00	1299.15	4.08	614.45	5.29	276.40	2.45	5.67
55.000	206.24	2190.00	1425.86	5.94	764.14	5.51	0.	0.	6.64
* 55.500	207.74	2190.00	0.	0.	2190.00	14.59	0.	0.	7.14
* 55.500	207.75	2190.00	0.	0.	2190.00	14.59	0.	0.	7.15

	SECNO	CWSEL	Q	QLOB	VLOB	QCH	VCH	QROB	VROB	DEPTH
	56,500	211.82	2190.00	0.	0.	2190.00	5.00	0.	0.	8.92
	56,500	212.82	2190.00	0.	0.	2190.00	4.48	0.	0.	9.92
	56,700	220.80	2190.00	754.75	0.79	767.68	0.92	667.57	0.61	16.90
	56,700	221.80	2190.00	749.91	0.98	848.56	0.96	591.53	0.68	17.90
	57,000	220.80	2190.00	715.22	0.90	800.78	1.02	674.00	0.68	15.90
	57,000	221.80	2190.00	714.56	1.11	881.59	1.05	593.86	0.77	16.90
	60,000	220.83	2190.00	637.47	1.18	870.30	1.27	682.23	0.85	13.88
	60,000	221.83	2190.00	597.33	1.27	952.51	1.29	640.16	0.92	14.88
	63,000	220.87	2190.00	886.06	1.70	960.78	1.63	343.16	0.94	12.87
	63,000	221.87	2190.00	872.42	1.80	1097.21	1.71	220.36	0.95	13.87
	67,000	221.04	2190.00	791.47	2.92	1140.74	2.86	257.79	1.52	9.04
	67,000	222.01	2190.00	759.36	3.36	1392.87	3.11	37.77	1.15	10.01
	70,250	221.71	2190.00	713.97	3.92	1282.36	4.09	193.66	1.91	7.31
	70,250	222.69	2190.00	555.46	5.14	1634.54	4.51	0.	0.	8.29
	71,000	222.07	2190.00	954.31	5.77	724.77	7.57	510.92	3.44	6.67
	71,000	222.77	2190.00	996.35	9.31	983.88	9.13	209.77	4.52	7.37
	76,500	227.71	1600.00	533.60	2.92	392.14	3.75	674.26	2.09	7.21
	76,500	228.96	1600.00	501.76	3.67	498.28	3.92	599.95	2.42	8.46
*	77,000	228.42	1600.00	0.	0.	1600.00	14.28	0.	0.	7.62
*	77,000	228.42	1600.00	0.	0.	1600.00	14.27	0.	0.	7.62
	78,000	233.27	1600.00	1215.57	1.51	140.48	1.45	243.95	0.69	10.67
	78,000	233.27	1600.00	1342.22	2.10	178.01	1.83	79.77	0.97	10.67
	77,000	233.29	1600.00	1214.43	1.60	145.35	1.54	240.21	0.73	10.39
	77,000	233.30	1600.00	1356.25	2.17	181.44	1.92	62.32	0.97	10.40
	78,500	233.30	1600.00	1211.45	1.77	154.78	1.73	233.77	0.82	9.90
	78,500	233.32	1600.00	1368.94	2.44	194.14	2.16	36.92	0.95	9.92

SENN BRANCH
SUMMARY PRINTOUT

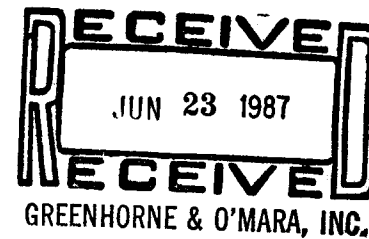
SECNO	CWSEL	DIFWSP	VOL	K*XL	K*XLCH	K*XLNR	TOPWID	88TA	ENDST	SECNO
9.500	167.50	0.	0.	120.00	100.00	120.00	694.17	129.87	824.04	9.50
9.500	168.50	1.00	0.	120.00	100.00	120.00	230.29	400.85	631.14	9.50
10.500	167.84	0.	3.01	120.00	100.00	120.00	701.04	123.52	824.56	10.50
10.500	168.84	1.00	2.13	120.00	100.00	120.00	259.33	382.72	642.06	10.50
12.500	168.83	0.	9.54	120.00	100.00	120.00	700.67	123.86	824.53	12.50
12.500	169.83	1.01	6.80	120.00	100.00	120.00	257.17	384.06	641.23	12.50
15.500	170.52	0.	17.75	120.00	100.00	120.00	333.07	228.25	561.32	15.50
15.500	171.52	1.00	12.92	120.00	100.00	120.00	171.00	299.87	470.87	15.50
17.000	178.24	0.	25.72	120.00	100.00	120.00	549.05	31.99	581.03	17.00
17.000	179.24	1.00	19.71	120.00	100.00	120.00	326.77	156.11	482.88	17.00
23.500	178.46	0.	61.11	120.00	100.00	120.00	222.90	178.35	401.25	23.50
23.500	179.45	0.99	50.32	120.00	100.00	120.00	139.85	215.96	355.82	23.50
30.500	181.52	0.	78.42	120.00	100.00	120.00	509.92	374.03	883.94	30.50
30.500	182.54	1.02	64.03	120.00	100.00	120.00	185.16	439.00	624.16	30.50
* 30.900	182.90	0.	79.68	120.00	100.00	120.00	591.99	329.02	921.01	30.90
30.900	182.83	-0.07	64.85	120.00	100.00	120.00	241.22	439.00	680.22	30.90
31.500	184.88	0.	82.27	120.00	100.00	120.00	525.34	237.31	762.64	31.50
31.500	184.81	-0.07	66.51	120.00	100.00	120.00	274.80	245.00	519.80	31.50
32.000	184.94	0.	84.49	120.00	100.00	120.00	505.87	241.53	747.40	32.00
32.000	184.86	-0.07	67.95	120.00	100.00	120.00	249.45	245.00	494.45	32.00
34.000	193.21	0.	103.95	100.00	80.00	100.00	726.02	283.36	1009.38	34.00
34.000	193.20	-0.01	83.31	100.00	80.00	100.00	523.93	375.81	899.74	34.00
35.000	193.21	0.	118.13	100.00	80.00	100.00	714.32	290.68	1005.00	35.00
35.000	193.20	-0.01	94.88	100.00	80.00	100.00	486.76	392.29	879.05	35.00
* 44.000	196.97	0.	179.33	100.00	80.00	100.00	126.55	164.27	290.82	44.00
* 44.000	196.72	-0.25	143.37	100.00	80.00	100.00	41.00	189.00	230.00	44.00
44.500	198.79	0.	179.80	100.00	80.00	100.00	172.82	123.24	296.07	44.50
44.500	199.68	0.89	143.69	100.00	80.00	100.00	60.54	189.00	249.54	44.50
45.500	200.75	0.	181.47	100.00	80.00	100.00	221.97	0.	221.97	45.50
45.500	201.64	0.89	144.97	100.00	80.00	100.00	106.66	62.50	169.16	45.50
46.000	200.89	0.	182.53	100.00	80.00	100.00	221.63	0.	221.63	46.00
46.000	201.78	0.89	145.82	100.00	80.00	100.00	105.27	62.97	168.24	46.00
55.000	205.27	0.	197.64	60.00	80.00	100.00	282.61	618.31	909.68	55.00
55.000	206.24	0.97	157.27	60.00	80.00	100.00	91.11	719.89	811.00	55.00
* 55.500	207.74	0.	198.04	60.00	80.00	100.00	23.00	788.00	811.00	55.50
* 55.500	207.75	0.00	157.58	60.00	80.00	100.00	23.00	788.00	811.00	55.50

2

SECNO	CWSEL	DIFWSP	VOL	K*XL	K*XLCH	K*XLNR	TOPWID	88TA	ENDST	SECNO
56,500	211.82	0.	198.72	60.00	80.00	100.00	50.00	400.00	450.00	56.50
56,500	212.82	1.00	158.31	60.00	80.00	100.00	50.00	400.00	450.00	56.50
56,700	220.80	0.	199.48	60.00	80.00	100.00	315.53	240.15	555.68	56.70
56,700	221.80	1.00	159.00	60.00	80.00	100.00	171.21	333.09	504.30	56.70
57,000	220.80	0.	201.36	60.00	80.00	100.00	292.88	256.43	549.31	57.00
57,000	221.80	1.00	160.64	60.00	80.00	100.00	155.33	345.50	500.83	57.00
60,000	220.83	0.	217.21	60.00	80.00	100.00	247.32	289.17	536.50	60.00
60,000	221.83	1.00	174.93	60.00	80.00	100.00	145.99	358.00	503.99	60.00
63,000	220.87	0.	229.28	60.00	80.00	100.00	195.28	114.87	310.14	63.00
63,000	221.87	0.99	186.16	60.00	80.00	100.00	118.82	153.88	272.70	63.00
67,000	221.04	0.	239.90	60.00	80.00	100.00	147.84	144.82	292.66	67.00
67,000	222.01	0.97	195.65	60.00	80.00	100.00	82.93	171.38	254.31	67.00
70,250	221.71	0.	245.26	60.00	80.00	100.00	135.18	151.41	286.59	70.25
70,250	222.69	0.98	200.04	60.00	80.00	100.00	65.02	184.98	250.00	70.25
71,000	222.07	0.	246.13	60.00	80.00	100.00	165.26	107.39	272.65	71.00
71,000	222.77	0.70	200.67	60.00	80.00	100.00	54.95	158.51	213.46	71.00
76,500	227.71	0.	252.56	60.00	80.00	100.00	219.77	69.73	289.51	76.50
76,500	228.96	1.25	205.55	60.00	80.00	100.00	107.45	125.02	232.48	76.50
* 77,000	228.42	0.	252.97	60.00	80.00	100.00	18.00	159.00	177.00	77.00
* 77,000	228.42	0.00	205.91	60.00	80.00	100.00	18.00	159.00	177.00	77.00
78,000	233.27	0.	254.54	60.00	80.00	100.00	257.64	36.16	293.79	78.00
78,000	233.27	0.00	206.98	60.00	80.00	100.00	116.32	97.92	214.24	78.00
77,000	233.29	0.	255.94	60.00	80.00	100.00	252.93	37.57	290.50	77.00
77,000	233.30	0.01	207.90	60.00	80.00	100.00	116.98	95.07	212.05	77.00
78,500	233.30	0.	257.22	60.00	80.00	100.00	244.89	39.97	284.87	78.50
78,500	233.32	0.02	208.74	60.00	80.00	100.00	109.17	99.54	208.71	78.50

SUMMARY OF ERRORS

CAUTION	SECNO=	30,900	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	30,900	PROFILE= 1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	30,900	PROFILE= 1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	44,000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	44,000	PROFILE= 1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	44,000	PROFILE= 1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	44,000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	44,000	PROFILE= 2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	44,000	PROFILE= 2	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	55,500	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	55,500	PROFILE= 1	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	55,500	PROFILE= 1	20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION	SECNO=	55,500	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	55,500	PROFILE= 2	PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	55,500	PROFILE= 2	20 TRIALS ATTEMPTED TO BALANCE WSEL



1*****
* WATER SURFACE PROFILES *
* VERSION OF NOVEMBER 1976 *
* UPDATED MAY 1984 *
* IBM-PC-XT VERSION AUGUST 1985 *
* RUN DATE 01-01-80 TIME 01:02:05 *

* U.S. ARMY CORPS OF ENGINEERS *
* THE HYDROLOGIC ENGINEERING CENTER *
* 609 SECOND STREET, SUITE D *
* DAVIS, CALIFORNIA 95616 *
* (916) 440-2105 (FTS) 448-2105 *

X	X	XXXXXXX	XXXXX		XXXXX
X	X	X	X	X	X
X	X	X	X		X
XXXXXXXX	XXXX	X	XXXXX	XXXXX	
X	X	X	X	X	
X	X	X	X	X	
X	X	XXXXXXX	XXXXX	XXXXXXX	

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01-01-80 01:02:06

HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984
ERROR CORR - 01,02,03,04,05,06
MODIFICATION - 50,51,52,53,54,55,56
IBM-PC-XT VERSION AUGUST 1985

THIS RUN EXECUTED 01-01-80

T1 CONGAREE CREEK 10 YEAR FLOOD
T2 LEXINGTON COUNTY SOUTH CAROLINA
T3 SMB 11/22/86

J1 ICHECK INQ NINV IDIR STRT METRIC HVINS Q WSEL FQ

CONTAINS
FLOODWAY
HAZARD

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ZONE TABLE

	0.	2.	0.	0.	.000500	.00	.0	0.	120.000	.000	
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE	
	1.000	.000	-1.000	5.000	200.000	.000	.000	.000	.000	.000	
J3	VARIABLE CODES FOR SUMMARY PRINTOUT										
	201.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	
NC	.100	.100	.080	.300	.500	.000	.000	.000	.000	.000	
QT	5.000	157.000	208.000	237.000	237.000	264.000	.000	.000	.000	.000	
ET	.000	.000	.000	.000	10.400	.000	.000	.000	.000	.000	
X1	247.800	24.000	1475.000	1505.000	.000	.000	.000	.000	.000	.000	
GR	155.000	.000	150.000	220.000	125.000	440.000	122.400	450.000	121.800	600.000	
GR	122.100	700.000	121.800	1050.000	122.000	1150.000	122.000	1350.000	122.200	1400.000	
GR	121.300	1475.000	117.000	1477.000	114.600	1490.000	114.800	1502.000	122.000	1505.000	
GR	121.500	1550.000	122.500	1600.000	121.600	1650.000	122.400	1700.000	121.800	1750.000	
GR	122.100	1950.000	125.000	1990.000	130.000	2100.000	150.000	2180.000	.000	.000	
X1	260.000	.000	.000	.000	760.000	860.000	1220.000	.000	.000	.000	
X1	271.400	19.000	1200.000	1900.000	520.000	710.000	1140.000	.000	.000	.000	
X3	10.000	.000	.000	.000	.000	.000	.000	149.600	149.600	.000	
GR	160.000	.000	150.000	70.000	125.000	180.000	124.000	850.000	124.300	1200.000	
GR	124.800	1300.000	124.500	1438.000	116.600	1470.000	117.500	1488.000	124.100	1490.000	
GR	124.600	1550.000	124.400	1750.000	123.500	1800.000	123.500	1850.000	123.900	1900.000	
GR	135.000	2570.000	140.000	2845.000	145.000	2900.000	155.000	3040.000	.000	.000	
SB	1.050	2.040	3.000	.000	694.000	57.000	12970.000	.000	.000	.000	
X1	273.600	.000	.000	.000	220.000	220.000	220.000	.000	.000	.000	
X2	.000	.000	1.000	146.400	149.100	.000	.000	.000	.000	.000	
X3	10.000	.000	.000	.000	.000	.000	.000	149.600	149.600	.000	
BT	4.000	.000	149.100	.000	1200.000	149.100	146.400	1900.000	149.100	146.400	
BT	3040.000	149.100	.000	.000	.000	.000	.000	.000	.000	.000	
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X1	290.000	.000	.000	.000	1125.000	940.000	1640.000	.000	.000	.000	
X1	330.000	33.000	1676.000	1711.000	1450.000	1480.000	4000.000	.000	.000	.000	
GR	155.000	.000	130.000	260.000	125.700	750.000	125.800	850.000	125.700	900.000	
GR	126.000	1000.000	126.000	1050.000	126.700	1100.000	126.200	1150.000	127.600	1200.000	
GR	126.400	1250.000	126.700	1292.000	127.600	1300.000	126.000	1350.000	125.700	1450.000	
GR	126.000	1500.000	125.500	1550.000	126.000	1600.000	126.100	1676.000	120.000	1680.000	
GR	118.200	1694.000	123.000	1708.000	126.100	1711.000	126.600	1800.000	126.800	1900.000	
GR	127.700	1928.000	132.800	1950.000	130.700	2000.000	139.700	2048.000	141.300	2101.000	
GR	143.600	2150.000	147.100	2200.000	155.000	2235.000	.000	.000	.000	.000	
X1	356.000	.000	.000	.000	920.000	1070.000	2600.000	.000	.000	.000	
X1	398.000	31.000	660.000	702.000	3200.000	3060.000	4200.000	.000	.000	.000	
GR	155.000	.000	144.000	100.000	139.400	200.000	136.400	250.000	132.200	287.000	
GR	132.000	300.000	132.100	350.000	131.200	400.000	132.000	500.000	131.600	550.000	
GR	129.900	569.000	130.400	600.000	129.800	660.000	126.200	662.000	120.300	681.000	
GR	120.800	700.000	130.400	702.000	129.500	750.000	129.400	800.000	129.800	850.000	
GR	130.300	900.000	130.100	950.000	131.000	1050.000	130.500	1100.000	130.500	1200.000	
GR	131.000	1250.000	130.500	1300.000	131.100	1373.000	133.000	1400.000	133.000	1820.000	
GR	155.000	2050.000	.000	.000	.000	.000	.000	.000	.000	.000	
QT	5.000	1560.000	2070.000	2350.000	2350.000	2600.000	.000	.000	.000	.000	
X1	405.000	35.000	550.000	623.000	550.000	440.000	800.000	.000	.000	.000	

GR	155.000	.000	135.000	300.000	133.000	327.000	132.500	350.000	131.600	400.000
GR	131.300	450.000	131.300	500.000	130.200	550.000	130.500	585.000	127.500	589.000
GR	122.100	605.000	126.000	620.000	130.400	623.000	130.600	850.000	131.500	950.000
GR	131.000	1000.000	131.000	1050.000	131.400	1076.000	130.600	1100.000	130.900	1150.000
GR	130.800	1200.000	130.500	1206.000	135.600	1225.000	140.000	2070.000	155.000	2100.000
SB	1.250	2.040	3.000	.000	88.000	6.700	406.000	.000	.000	.000
NC	.120	.120	.080	.000	.000	.000	.000	.000	.000	.000
X1	408.000	.000	.000	.000	200.000	200.000	200.000	.000	.000	.000
X2	.000	.000	1.000	135.700	138.400	.000	.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	138.900	138.900	.000
BT	6.000	100.000	145.000	.000	400.000	140.000	.000	550.000	138.400	135.700
BT	623.000	138.400	135.700	1900.000	140.000	.000	2100.000	145.000	.000	.000
X1	416.000	38.000	633.000	668.000	610.000	460.000	800.000	.000	.000	.000
X3	.000	.000	.000	500.000	.000	700.000	.000	.000	.000	.000
GR	155.000	.000	147.400	50.000	146.400	100.000	143.700	150.000	139.700	200.000
GR	136.200	250.000	134.700	300.000	134.400	350.000	133.500	400.000	131.800	427.000
GR	131.500	500.000	132.000	550.000	131.200	600.000	131.700	633.000	125.700	635.000
GR	123.800	648.000	128.600	663.000	131.800	668.000	131.500	700.000	131.400	800.000
GR	131.200	850.000	132.000	900.000	132.100	950.000	131.500	1000.000	131.200	1150.000
GR	131.300	1250.000	131.000	1300.000	131.800	1424.000	132.400	1434.000	132.100	1450.000
GR	131.700	1500.000	134.500	1700.000	134.500	1726.000	131.900	1745.000	134.200	1800.000
GR	134.200	1816.000	150.000	1870.000	155.000	1900.000	.000	.000	.000	.000

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X1	427.600	21.000	1800.000	1900.000	680.000	400.000	1160.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	144.000	144.000	.000
GR	155.000	.000	133.400	1200.000	133.600	1300.000	134.200	1400.000	133.600	1450.000
GR	134.000	1550.000	133.300	1650.000	133.900	1750.000	132.600	1800.000	132.800	1846.000
GR	123.300	1852.000	123.100	1864.000	124.300	1880.000	131.600	1883.000	132.400	1900.000
GR	132.200	1950.000	133.200	2100.000	132.900	2150.000	132.900	2350.000	133.400	2400.000
GR	155.000	2600.000	.000	.000	.000	.000	.000	.000	.000	.000
SB	.950	2.040	3.000	.000	160.000	4.700	1445.000	.000	.000	.000
X1	430.000	29.000	2228.000	2400.000	240.000	240.000	240.000	.000	.000	.000
X2	.000	.000	1.000	140.500	143.500	.000	.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	144.000	144.000	.000
BT	6.000	.000	150.000	.000	2228.000	143.500	140.500	2400.000	143.500	140.500
BT	2850.000	150.000	.000	3300.000	165.000	.000	3400.000	170.000	.000	.000
GR	160.000	50.000	155.000	380.000	150.000	490.000	145.000	550.000	140.000	620.000
GR	140.000	1500.000	140.000	2000.000	140.000	2100.000	131.700	2217.000	132.400	2228.000
GR	125.300	2233.000	121.700	2246.000	132.200	2273.000	132.100	2400.000	133.200	2450.000
GR	132.400	2500.000	132.300	2500.000	132.800	2700.000	133.300	2750.000	132.900	2850.000
GR	134.000	2895.000	142.200	2937.000	140.700	3000.000	142.800	3100.000	146.300	3200.000
GR	147.400	3300.000	148.800	3350.000	150.000	3375.000	155.000	3400.000	.000	.000
X1	446.000	31.000	2797.000	2838.000	950.000	910.000	1600.000	.000	.000	.000
GR	173.000	.000	150.000	380.000	145.000	990.000	140.000	1300.000	135.400	2450.000
GR	135.000	2488.000	133.500	2500.000	133.800	2600.000	134.500	2650.000	133.800	2700.000
GR	134.700	2750.000	134.900	2797.000	134.200	2800.000	126.900	2804.000	124.900	2818.000
GR	130.100	2836.000	134.500	2838.000	134.300	2900.000	135.200	3000.000	135.700	3150.000
GR	136.400	3200.000	136.700	3300.000	138.700	3344.000	142.300	3355.000	142.900	3400.000
GR	144.700	3450.000	144.900	3500.000	147.200	3600.000	149.600	3650.000	150.000	3663.000
GR	160.000	4200.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	472.000	.000	.000	.000	1240.000	1110.000	2600.000	1.000	.000	.000
X1	495.000	.000	.000	.000	1030.000	1060.000	2300.000	1.000	.000	.000
X1	512.000	23.000	2928.000	2973.000	1050.000	2200.000	1700.000	.000	.000	.000
GR	165.000	.000	150.000	500.000	137.700	2200.000	137.300	2250.000	136.800	2600.000

GR	137.300	2700.000	138.000	2700.000	138.000	2700.000	137.300	2700.000	137.300	2700.000
GR	137.300	2928.000	133.200	2930.000	128.400	2947.000	128.400	2968.000	137.000	2973.000
GR	136.700	3000.000	137.500	3100.000	137.400	3200.000	137.900	3250.000	137.300	3450.000
GR	139.100	3500.000	150.000	4340.000	160.000	4550.000	.000	.000	.000	.000
X1	534.000	22.000	1927.000	1973.000	1690.000	1920.000	2200.000	.000	.000	.000
GR	168.000	.000	165.000	250.000	150.000	520.000	145.000	1100.000	140.000	1600.000
GR	138.700	1900.000	138.700	1927.000	132.000	1935.000	128.900	1950.000	131.200	1967.000
GR	139.200	1973.000	138.500	2000.000	138.700	2050.000	138.700	2100.000	138.500	2150.000
GR	139.200	2250.000	138.500	2300.000	139.500	2600.000	139.400	2650.000	140.000	2950.000
GR	150.000	2970.000	165.000	3600.000	.000	.000	.000	.000	.000	.000

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X1	555.000	64.000	1638.000	1679.000	1800.000	2200.000	2100.000	.000	.000	.000
X3	.000	.000	.000	1290.000	.000	2060.000	.000	.000	.000	.000
GR	155.000	.000	151.400	260.000	149.700	290.000	147.900	390.000	148.000	430.000
GR	146.100	445.000	147.300	490.000	146.100	590.000	143.500	690.000	143.400	790.000
GR	142.800	890.000	142.200	990.000	141.900	1090.000	142.100	1190.000	141.700	1290.000
GR	141.200	1390.000	140.200	1445.000	136.800	1467.000	139.500	1488.000	139.800	1490.000
GR	141.000	1540.000	140.600	1574.000	139.500	1574.000	137.800	1582.000	139.200	1590.000
GR	139.500	1595.000	140.000	1610.000	140.400	1638.000	139.600	1640.000	139.000	1644.000
GR	136.100	1650.000	133.600	1658.000	132.100	1664.000	133.600	1672.000	139.600	1677.000
GR	141.200	1679.000	141.400	1690.000	140.300	1760.000	139.500	1762.000	137.300	1765.000
GR	136.000	1770.000	135.100	1775.000	139.500	1777.000	140.200	1778.000	140.800	1790.000
GR	140.900	1890.000	140.200	1990.000	141.000	2030.000	143.300	2060.000	143.600	2090.000
GR	145.300	2190.000	144.100	2290.000	144.800	2390.000	145.500	2487.000	142.800	2494.000
GR	142.500	2497.000	143.000	2500.000	146.500	2509.000	146.600	2590.000	148.000	2690.000
GR	148.700	2790.000	150.100	2890.000	151.800	2990.000	155.200	3090.000	.000	.000
X1	585.000	.000	.000	.000	2620.000	2440.000	3000.000	.000	.500	.000
X3	.000	.000	.000	1290.000	.000	2060.000	.000	.000	.000	.000
QT	5.000	1490.000	1990.000	2270.000	2270.000	2520.000	.000	.000	.000	.000
X1	599.000	.000	.000	.000	900.000	1200.000	1400.000	.000	.200	.000
X3	.000	.000	.000	1290.000	.000	2060.000	.000	.000	.000	.000
X1	619.000	52.000	1800.000	2243.000	800.000	1100.000	2000.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	156.000	156.000	.000
GR	171.000	.000	156.400	300.000	155.500	390.000	155.700	400.000	155.500	412.000
GR	155.300	416.000	154.600	419.000	155.600	421.000	154.600	500.000	153.500	600.000
GR	152.300	700.000	151.800	775.000	147.000	800.000	145.500	825.000	145.800	900.000
GR	146.000	1000.000	146.000	1100.000	146.300	1200.000	146.200	1300.000	146.700	1400.000
GR	146.300	1500.000	146.000	1600.000	146.300	1700.000	146.200	1800.000	146.200	1900.000
GR	146.200	2000.000	146.100	2100.000	146.400	2206.000	145.500	2210.000	133.200	2215.000
GR	139.100	2225.000	142.200	2235.000	145.500	2240.000	145.700	2243.000	150.700	2400.000
GR	152.200	2500.000	153.300	2600.000	152.500	2700.000	151.700	2800.000	151.200	2900.000
GR	151.000	3000.000	150.900	3100.000	150.900	3200.000	150.600	3300.000	153.400	3400.000
GR	158.900	3500.000	162.900	3600.000	162.800	3700.000	163.400	3800.000	167.800	3900.000
GR	170.400	4000.000	170.600	4100.000	.000	.000	.000	.000	.000	.000
SB	.900	1.500	2.500	.000	130.000	38.000	3635.000	12.000	139.500	139.500
X1	622.500	.000	.000	.000	350.000	350.000	350.000	.000	.000	.000
X2	.000	.000	1.000	152.500	155.200	.000	.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	156.000	156.000	.000
BT	9.000	.000	157.700	.000	400.000	157.700	.000	800.000	155.100	.000
BT	1200.000	154.400	.000	1848.000	155.200	152.500	2369.000	156.000	153.200	2600.000
BT	156.300	.000	3000.000	157.200	.000	3600.000	160.200	.000	.000	.000
X1	629.000	52.000	1800.000	2243.000	300.000	350.000	450.000	.000	.500	.000
X3	.000	.000	.000	1600.000	.000	2400.000	.000	.000	.000	.000
GR	171.000	.000	156.400	300.000	155.500	390.000	155.700	400.000	155.500	412.000
GR	155.300	416.000	154.600	419.000	155.600	421.000	154.600	500.000	153.500	600.000
GR	152.300	700.000	151.800	775.000	147.000	800.000	145.500	825.000	145.800	900.000

GR	146.300	1500.000	146.000	1600.000	146.300	1700.000	146.200	1800.000	146.200	1900.000
GR	146.200	2000.000	146.100	2100.000	146.400	2206.000	145.500	2210.000	133.200	2215.000

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GR	139.100	2225.000	142.200	2235.000	145.500	2240.000	145.700	2243.000	150.700	2400.000
GR	152.200	2500.000	153.300	2600.000	152.500	2700.000	151.700	2800.000	151.200	2900.000
GR	151.000	3000.000	150.900	3100.000	150.900	3200.000	150.600	3300.000	153.400	3400.000
GR	158.900	3500.000	162.900	3600.000	162.800	3700.000	163.400	3800.000	167.800	3900.000
GR	170.400	4000.000	170.600	4100.000	.000	.000	.000	.000	.000	.000
X1	638.000	.000	.000	.000	550.000	400.000	900.000	.000	.800	.000
X3	.000	.000	.000	775.000	.000	2400.000	.000	.000	.000	.000
QT	5.000	1260.000	1720.000	1980.000	1980.000	2200.000	.000	.000	.000	.000
X1	667.000	70.000	2722.000	2900.000	2250.000	2250.000	2900.000	.000	-1.100	.000
GR	176.300	.000	174.300	60.000	173.400	150.000	171.800	200.000	168.600	209.000
GR	166.200	236.000	167.700	300.000	170.400	400.000	170.100	500.000	168.000	600.000
GR	167.300	690.000	161.300	800.000	158.000	900.000	158.100	1000.000	155.800	1100.000
GR	154.200	1151.000	153.600	1154.000	153.800	1158.000	154.300	1200.000	154.300	1300.000
GR	155.000	1400.000	156.600	1500.000	154.800	1600.000	154.100	1700.000	154.500	1800.000
GR	153.300	1900.000	152.700	2000.000	151.600	2100.000	151.900	2200.000	151.300	2300.000
GR	151.500	2400.000	151.500	2500.000	151.400	2600.000	152.300	2670.000	149.900	2697.000
GR	152.000	2722.000	151.500	2800.000	152.300	2821.000	150.700	2823.000	145.000	2828.000
GR	144.300	2835.000	144.600	2841.000	150.700	2846.000	152.100	2846.000	151.500	2900.000
GR	151.700	3000.000	152.000	3100.000	152.200	3200.000	152.600	3300.000	153.200	3400.000
GR	153.600	3500.000	158.300	3600.000	161.700	3700.000	161.600	3800.000	163.800	3865.000
GR	160.500	3871.000	161.700	3873.000	162.300	3882.000	162.200	3892.000	162.100	3902.000
GR	161.600	3908.000	163.800	3917.000	162.800	4000.000	163.200	4100.000	168.200	4200.000
GR	172.500	4300.000	176.800	4400.000	179.500	4500.000	182.500	4600.000	184.900	4690.000
X1	680.000	.000	.000	.000	900.000	1200.000	1300.000	.000	1.100	.000
X3	10.000	.000	.000	.000	.000	.000	.000	157.000	157.000	.000
SB	1.250	1.500	2.500	.000	30.000	2.000	607.000	3.500	144.400	144.400
X1	682.000	.000	.000	.000	200.000	200.000	200.000	.000	.000	.000
X2	.000	.000	1.000	156.600	159.900	.000	.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	159.000	159.000	.000
BT	12.000	.000	176.500	.000	1150.000	160.700	.000	1450.000	159.100	.000
BT	2750.000	158.900	.000	2798.000	159.200	156.700	2888.000	159.200	156.700	2950.000
BT	158.900	.000	3550.000	158.900	.000	3750.000	159.800	.000	3950.000	162.800
BT	.000	4150.000	166.900	.000	4950.000	184.700	.000	.000	.000	.000
X1	685.000	50.000	1700.000	1800.000	440.000	200.000	300.000	.000	.000	.000
GR	185.100	.000	181.700	100.000	176.600	200.000	175.000	300.000	169.700	400.000
GR	168.700	500.000	161.700	600.000	158.600	700.000	157.700	800.000	157.100	900.000
GR	155.700	1000.000	154.900	1100.000	154.100	1200.000	153.800	1300.000	152.900	1400.000
GR	152.700	1500.000	151.900	1600.000	151.900	1700.000	152.300	1726.000	151.000	1728.000
GR	146.500	1733.000	144.800	1752.000	155.200	1772.000	150.900	1776.000	152.100	1777.000
GR	151.500	1800.000	152.700	1830.000	150.000	1855.000	151.700	1867.000	151.200	1900.000
GR	151.900	2000.000	152.200	2100.000	152.500	2200.000	152.900	2262.000	151.000	2267.000
GR	153.300	2272.000	155.000	2300.000	156.600	2400.000	157.300	2500.000	159.200	2575.000
GR	159.500	2587.000	161.000	2650.000	162.700	2750.000	164.500	2850.000	166.900	2950.000
GR	169.100	3050.000	171.400	3150.000	173.700	3250.000	175.900	3350.000	178.000	3450.000

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X1	689.000	.000	.000	.000	400.000	170.000	400.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	158.000	158.000	.000
SB	.900	1.500	2.500	.000	35.000	4.000	575.000	2.000	.000	.000
X1	691.000	50.000	1210.000	1300.000	200.000	200.000	200.000	.000	.000	.000

AE	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	159.000	159.000	.000
BT	16.000	60.000	180.000	.000	160.000	178.700	.000	260.000	173.600	.000
BT	460.000	165.600	.000	660.000	160.500	.000	860.000	157.100	.000	1060.000
BT	156.500	.000	1213.000	157.400	156.500	1288.000	157.400	156.400	1360.000	157.400
BT	.000	1460.000	157.000	.000	1860.000	156.600	.000	2060.000	157.300	.000
BT	2340.000	159.800	.000	2640.000	164.500	.000	3180.000	177.000	.000	.000
GR	185.100	.000	180.300	100.000	174.100	200.000	168.300	300.000	162.300	400.000
GR	160.000	500.000	160.100	505.000	158.000	508.000	158.900	510.000	158.600	600.000
GR	158.500	700.000	157.200	778.000	155.500	800.000	154.500	812.000	153.900	900.000
GR	154.100	912.000	151.700	918.000	153.500	921.000	153.800	1000.000	153.100	1100.000
GR	151.600	1180.000	151.900	1200.000	153.400	1210.000	152.900	1218.000	151.900	1219.000
GR	147.500	1224.000	142.500	1234.000	145.900	1244.000	151.900	1249.000	153.000	1251.000
GR	152.900	1300.000	152.400	1400.000	152.300	1500.000	152.700	1600.000	154.100	1700.000
GR	153.600	1800.000	153.900	1900.000	156.500	2000.000	156.800	2100.000	158.900	2200.000
GR	161.600	2300.000	163.000	2400.000	163.500	2500.000	166.000	2570.000	165.200	2575.000
GR	167.500	2585.000	168.700	2600.000	169.800	2620.000	171.400	2700.000	184.800	3300.000
X1	700.000	.000	.000	.000	700.000	600.000	900.000	.000	1.600	.000
X1	735.000	60.000	529.000	584.000	1950.000	1700.000	3500.000	.000	.000	.000
GR	185.000	.000	176.900	100.000	172.300	200.000	166.300	300.000	158.900	400.000
GR	156.300	500.000	155.600	529.000	154.400	542.000	155.200	546.000	155.000	547.000
GR	152.000	552.000	150.200	565.000	149.600	578.000	155.000	583.000	156.600	584.000
GR	156.500	600.000	156.200	700.000	155.600	800.000	155.800	900.000	156.300	1000.000
GR	155.700	1100.000	155.900	1155.000	154.600	1160.000	155.800	1167.000	157.800	1200.000
GR	158.200	1300.000	158.300	1400.000	159.000	1500.000	160.500	1600.000	159.200	1700.000
GR	161.500	1800.000	161.700	1900.000	161.200	2000.000	161.900	2100.000	161.400	2200.000
GR	161.300	2280.000	159.000	2286.000	161.600	2292.000	161.800	2300.000	165.400	2400.000
GR	164.600	2500.000	164.900	2600.000	164.500	2700.000	164.500	2800.000	165.300	2900.000
GR	165.300	3000.000	165.000	3015.000	159.800	3053.000	164.500	3112.000	163.500	3200.000
GR	165.200	3300.000	165.200	3309.000	161.700	3312.000	165.400	3315.000	166.300	3400.000
GR	171.200	3500.000	176.500	3600.000	183.200	3700.000	183.500	3800.000	185.000	3827.000
X1	781.000	60.000	1543.000	1581.000	2750.000	2850.000	4600.000	.000	.000	.000
GR	183.400	.000	178.900	100.000	177.200	200.000	175.500	300.000	172.400	400.000
GR	170.700	500.000	169.100	600.000	166.500	700.000	166.800	715.000	164.400	717.000
GR	167.400	720.000	169.300	800.000	168.500	900.000	169.100	1000.000	169.000	1100.000
GR	165.200	1200.000	163.200	1300.000	160.900	1400.000	160.700	1500.000	161.000	1543.000
GR	159.600	1544.000	154.900	1549.000	154.100	1562.000	156.500	1575.000	159.800	1580.000
GR	161.500	1581.000	160.800	1600.000	160.900	1700.000	161.500	1800.000	161.700	1900.000
GR	161.300	2000.000	162.000	2100.000	161.900	2200.000	162.000	2300.000	162.500	2400.000
GR	163.000	2500.000	166.000	2600.000	168.500	2700.000	168.500	2800.000	168.700	2900.000
GR	169.000	3000.000	169.400	3100.000	169.600	3200.000	171.300	3300.000	172.400	3400.000
GR	173.100	3500.000	173.600	3600.000	173.800	3700.000	174.200	3800.000	174.900	3900.000
GR	175.200	4000.000	174.400	4100.000	170.800	4104.000	174.300	4108.000	175.500	4200.000
GR	176.700	4300.000	177.800	4340.000	173.700	4345.000	178.200	4350.000	185.000	4395.000
EJ	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

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

*PROF 1

CCHV= .300 CEHV= .500

*SECNO 247.800

247.80	6.11	120.71	.00	120.00	120.72	.02	.00	.00	121.30	
157.	0.	157.	0.	0.	146.	0.	0.	0.	122.00	
.00	.00	1.07	.00	.100	.080	.100	.000	114.60	1475.28	
000509	0.	0.	0.	0	0	4	.00	29.18	1504.46	

TIME	VELO	VEL	VRCD	ANL	ANCD	ANR	WTR	LEFTH	LEFTH
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

SPECIAL BRIDGE

5070, VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED

SB	XK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	.90	1.50	2.50	.00	35.00	4.00	575.00	2.00	144.80	144.80

*SECND 691.000
CLASS A LOW FLOW

3420 BRIDGE W.S.= 155.00 BRIDGE VELOCITY=, 2.40 CALCULATED CHANNEL AREA=, 524.

EGPRS	EGLWC	H3	QWEIR	QLOW	BAREA	TRAPEZOID AREA	ELLC	ELTRD
.00	155.18	.01	0.	1260.	575.	636.	156.50	158.40

3495 OVBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 159.00 ELREA= 159.00

691.00	12.52	155.02	.00	.00	155.18	.16	.06	.00	153.40
1260.	0.	1260.	0.	0.	390.	0.	1076.	483.	152.90
11.28	.00	3.23	.00	.000	.080	.000	.000	142.50	1210.00
.004732	200.	200.	200.	0	0	0	.00	90.00	1300.00

*SECND 700.000

700.00	12.31	156.41	.00	.00	156.42	.01	1.19	.05	155.00
1260.	285.	447.	528.	590.	371.	1054.	1096.	492.	154.50
11.59	.48	1.21	.50	.120	.080	.120	.000	144.10	808.25
.000703	700.	900.	600.	4	0	0	.00	1126.85	1935.10

*SECND 735.000

735.00	8.54	158.14	.00	.00	158.15	.02	1.73	.00	155.60
1260.	57.	473.	731.	128.	310.	1314.	1185.	535.	156.60
12.31	.44	1.52	.56	.120	.080	.120	.000	149.60	429.45
.000742	1950.	3500.	1700.	5	0	0	.00	854.10	1283.55

*SECND 781.000

781.00	8.31	162.41	.00	.00	162.47	.07	4.30	.03	161.00
1260.	202.	682.	375.	277.	246.	655.	1292.	599.	161.50
12.88	.73	2.77	.57	.120	.080	.120	.000	154.10	1334.48
.002162	2750.	4600.	2850.	4	0	0	.00	1046.94	2381.41

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THIS RUN EXECUTED 01-01-80

HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984
ERROR CORR - 01,02,03,04,05,06
MODIFICATION - 50,51,52,53,54,55,56
IBM-PC-XT VERSION AUGUST 1985

T1 50 - YEAR FLOOD
T2
T3

J1	ICHECK	INR	INRV	INR1	STRT	RETRIC	IVIND	WELL	WELL
	0.	3.	0.	0.	.000500	.00	.0	0.	121.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM
	2.000	.000	-1.000	.000	.000	.000	.000	.000	.000

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SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XLN	XLNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*PROF 2

CCHV= .300 CEHV= .500
*SECNO 247.800

3265 DIVIDED FLOW

247.80	7.12	121.72	.00	121.00	121.74	.02	.00	.00	121.30
208.	1.	207.	0.	7.	176.	4.	0.	0.	122.00
.00	.12	1.17	.07	.100	.080	.100	.000	114.60	1439.81
.000505	0.	0.	0.	0	0	6	.00	110.64	1657.65

0 *SECNO 260.000

3265 DIVIDED FLOW

260.00	7.57	122.17	.00	.00	122.19	.01	.44	.00	121.30
208.	22.	175.	11.	223.	190.	103.	8.	14.	122.00
.42	.10	.92	.11	.100	.080	.100	.000	114.60	504.66
.000283	760.	1220.	860.	1	0	0	.00	1374.73	1951.12

0 *SECNO 271.400

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 149.60 ELREA= 149.60

271.40	6.03	122.63	.00	.00	122.65	.02	.46	.01	124.30
208.	0.	208.	0.	0.	178.	0.	15.	24.	123.90
.68	.00	1.17	.00	.100	.080	.100	.000	116.60	1445.57
.000698	520.	1140.	710.	2	0	0	.00	43.99	1489.56

0

SPECIAL BRIDGE

5070, VARIABLE ELCHU OR ELCHD ON CARD SB NOT SPECIFIED

SB	XK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	1.05	2.04	3.00	.00	694.00	57.00	12970.00	.00	116.60	116.60

*SECNO 273.600
CLASS A LOW FLOW

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SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XLN	XLNCH	XNR	WTN	ELMIN	SSTA
				ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

1720. 201. 733. 337. 370. 221. 1000. 337. 1017.00
12.54 .81 2.80 .67 .120 .080 .120 .000 154.10 1315.95
.002027 2750. 4600. 2850. 4 0 0 .00 1150.69 2466.64

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THIS RUN EXECUTED 01-01-80

HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984
ERROR CORR - 01,02,03,04,05,06
MODIFICATION - 50,51,52,53,54,55,56
IBM-PC-XT VERSION AUGUST 1985

T1 100 - YEAR FLOOD

T2

T3

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0.	4.	0.	0.	.000500	.00	.0	0.	122.000	.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	3.000	.000	-1.000	.000	.000	.000	.000	.000	.000	.000

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

*PROF 3

CCHV= .300 CEHV= .500

*SECNO 247.800

3265 DIVIDED FLOW

247.80	7.43	122.03	.00	122.00	122.05	.02	.00	.00	121.30
237.	9.	223.	6.	88.	186.	50.	0.	0.	122.00
.00	.10	1.20	.11	.100	.080	.100	.000	114.60	542.43
.000499	0.	0.	0.	0	0	5	.00	1096.42	1903.52

0

*SECNO 260.000

3265 DIVIDED FLOW

260.00	7.80	122.40	.00	.00	122.40	.01	.35	.00	121.30
237.	55.	158.	24.	438.	197.	192.	12.	24.	122.00
.54	.12	.81	.13	.100	.080	.100	.000	114.60	450.78
.000208	760.	1220.	860.	2	0	0	.00	1491.98	1954.10

0

*SECNO 271.400

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=

149.60 ELREA=

149.60

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=

159.00 ELREA=

159.00

691.00	13.27	155.77	.00	.00	156.06	.29	.10	.00	153.40
1980.	0.	1980.	0.	0.	458.	0.	1573.	658.	152.90
11.63	.00	4.33	.00	.000	.080	.000	.000	142.50	1210.00
.006851	200.	200.	200.	0	0	0	.00	90.00	1300.00

*SECND 700.000

700.00	13.16	157.26	.00	.00	157.27	.01	1.12	.08	155.00
1980.	514.	555.	911.	937.	448.	1609.	1601.	667.	154.50
11.93	.55	1.24	.57	.120	.080	.120	.000	144.10	797.86
.000578	700.	900.	600.	4	0	0	.00	1170.03	1967.89

*SECND 735.000

735.00	9.21	158.81	.00	.00	158.83	.02	1.56	.00	155.60
1980.	110.	605.	1265.	204.	348.	1873.	1727.	716.	156.60
12.56	.54	1.74	.68	.120	.080	.120	.000	149.60	403.42
.000833	1950.	3500.	1700.	5	0	0	.00	1069.60	1473.02

*SECND 781.000

781.00	8.93	163.03	.00	.00	163.08	.05	4.24	.02	161.00
1980.	355.	764.	861.	415.	270.	1193.	1879.	791.	161.50
13.17	.85	2.83	.72	.120	.080	.120	.000	154.10	1307.38
.001996	2750.	4600.	2850.	5	0	0	.00	1193.64	2501.01

0

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THIS RUN EXECUTED 01-01-80

 HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984
 ERROR CORR - 01,02,03,04,05,06
 MODIFICATION - 50,51,52,53,54,55,56
 IBM-PC-XT VERSION AUGUST 1985

T1 500- YEAR FLOOD

T2

T3

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0.	6.	0.	0.	.000500	.00	.0	0.	122.500	.000

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.000	.000	-1.000	.000	.000	.000	.000	.000	.000	.000

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SECND	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*PROF 4