

RAFT  
SWAMP



## Cross Section B

X1	17320.000	29.000	4988.550	5011.450	1860.000	1720.000	1830.000	.000	.000	.000
GR	220.000	3900.000	215.000	4010.000	210.000	4120.000	205.000	4230.000	200.000	4360.000
GR	195.000	4440.000	193.100	4600.000	188.500	4988.550	187.500	4990.450	186.700	4993.450
GR	186.800	4996.450	186.400	4999.450	185.800	5003.450	186.100	5007.450	188.500	5011.450
GR	189.290	5300.000	190.650	5800.000	195.000	6525.000	200.000	6625.000	202.500	6750.000
GR	200.000	6875.000	195.000	7050.000	192.500	7225.000	195.000	7400.000	200.000	7490.000
GR	205.000	7610.000	210.000	7690.000	215.000	7770.000	220.000	7890.000	.000	.000
NH	6.000	.850	4600.000	.400	4988.550	.065	5011.450	.630	5300.000	1.200
NH	5800.000	10.000	7890.000	.000	.000	.000	.000	.000	.000	.000
X1	17779.000	23.000	4988.550	5011.450	399.050	939.050	459.050	.000	.510	.000
GR	220.000	3900.000	215.000	4010.000	210.000	4120.000	205.000	4230.000	200.000	4360.000
GR	195.000	4440.000	193.100	4600.000	188.500	4988.550	187.500	4990.450	186.700	4993.450
GR	186.800	4996.450	186.400	4999.450	185.800	5003.450	186.100	5007.450	188.500	5011.450
GR	189.290	5300.000	190.650	5800.000	195.000	7400.000	200.000	7490.000	205.000	7610.000
GR	210.000	7690.000	215.000	7770.000	220.000	7890.000	.000	.000	.000	.000
NC	.000	.000	.000	.300	.500	.000	.000	.000	.000	.000
NH	5.000	.850	4700.010	.400	4936.500	.065	5047.500	.450	5300.000	.900
NH	6680.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	.000	.000	.000	.000	10.410
X1	18223.000	64.000	4936.500	5047.500	444.000	444.000	444.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	203.700	200.900	.000
GR	220.000	3900.000	215.000	4100.000	210.000	4300.000	205.000	4560.000	202.750	4700.010
GR	201.370	4786.000	201.160	4794.000	200.720	4811.000	200.570	4819.000	199.770	4861.000
GR	199.650	4869.000	199.040	4911.000	198.900	4919.000	198.880	4920.000	198.600	4936.500
GR	198.520	4941.000	198.520	4942.000	197.360	4944.000	196.780	4945.000	196.770	4945.010
GR	196.200	4946.000	194.310	4961.000	194.210	4973.000	191.910	4979.850	191.910	4979.860
GR	191.860	4980.000	191.670	4980.500	191.670	4980.510	191.300	4981.500	191.300	4981.510
GR	191.060	4982.150	191.060	4982.160	188.150	4990.000	187.110	5000.000	186.810	5010.000
GR	190.220	5016.850	190.220	5016.860	190.540	5017.500	190.540	5017.510	191.040	5018.500
GR	191.040	5018.510	191.360	5019.150	191.370	5019.160	194.270	5025.000	195.760	5038.000
GR	197.700	5041.000	198.840	5045.000	198.860	5047.000	198.810	5047.500	198.660	5052.990
GR	198.660	5053.000	198.570	5056.000	197.400	5098.000	197.210	5106.000	196.210	5148.000
GR	196.230	5156.000	196.310	5198.000	196.410	5206.000	196.960	5248.000	196.980	5256.000
GR	197.090	5300.000	200.000	6460.000	205.000	6580.000	210.000	6680.000	.000	.000
NH	5.000	.850	4700.010	.400	4945.000	.065	5053.000	.450	5300.000	.900
NH	6680.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	18224.000	64.000	4945.000	5053.000	1.000	1.000	1.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	203.700	200.900	.000
BT	-64.000	3900.000	220.000	220.000	4100.000	215.000	215.000	4300.000	210.000	210.000
BT	.000	4560.000	207.220	205.000	4700.010	205.720	202.750	4786.000	204.800	201.370
BT	.000	4794.000	204.710	201.160	4811.000	204.580	200.720	4819.000	204.520	200.570
BT	.000	4861.000	204.140	199.770	4869.000	204.070	199.650	4911.000	203.830	199.040
BT	.000	4919.000	203.780	198.900	4920.000	203.780	198.880	4936.500	203.700	198.600
BT	.000	4941.000	203.670	198.520	4942.000	203.670	198.520	4944.000	203.660	197.360
BT	.000	4945.000	205.960	196.780	4945.010	205.960	200.350	4946.000	205.950	200.340
BT	.000	4961.000	205.840	200.230	4973.000	205.750	200.140	4979.850	205.700	200.090
BT	.000	4979.860	205.700	197.580	4980.000	205.700	197.580	4980.500	205.700	197.580
BT	.000	4980.510	205.700	191.670	4981.500	205.690	191.300	4981.510	205.690	197.580

BT	.000	4982.150	205.680	197.580	4982.160	205.680	200.070	4990.000	205.630	200.020
BT	.000	5000.000	205.550	199.940	5010.000	205.470	199.860	5016.850	205.620	199.810
BT	.000	5016.860	205.420	197.310	5017.500	205.420	197.310	5017.510	205.420	190.540
BT	.000	5018.500	205.410	191.040	5018.510	205.410	197.310	5019.150	205.410	197.310
BT	.000	5019.160	205.410	199.800	5025.000	205.360	199.750	5038.000	205.270	199.660
BT	.000	5041.000	205.240	199.630	5045.000	205.210	199.600	5047.000	205.200	199.590
BT	.000	5047.500	205.190	199.580	5052.990	205.150	199.540	5053.000	205.150	198.660
BT	.000	5056.000	202.820	198.570	5098.000	202.530	197.400	5106.000	202.480	197.210
BT	.000	5148.000	202.150	196.210	5156.000	202.090	196.230	5198.000	201.730	196.310
BT	.000	5206.000	201.660	196.410	5248.000	201.260	196.960	5256.000	201.180	196.980
BT	.000	5300.000	201.310	197.090	6460.000	204.650	200.000	6580.000	205.000	205.000
BT	.000	6680.000	210.000	210.000	.000	.000	.000	.000	.000	.000
GR	220.000	3900.000	215.000	4100.000	210.000	4300.000	205.000	4560.000	202.750	4700.010
GR	201.370	4786.000	201.160	4794.000	200.720	4811.000	200.570	4819.000	199.770	4861.000
GR	199.650	4869.000	199.040	4911.000	198.900	4919.000	198.880	4920.000	198.600	4936.500
GR	198.520	4941.000	198.520	4942.000	197.360	4944.000	196.780	4945.000	196.770	4945.010
GR	196.200	4946.000	194.310	4961.000	194.210	4973.000	191.910	4979.650	191.910	4979.860
GR	191.860	4980.000	191.670	4980.500	191.670	4980.510	191.300	4981.500	191.300	4981.510
GR	191.060	4982.150	191.060	4982.160	188.150	4990.000	187.110	5000.000	186.810	5010.000
GR	190.220	5016.850	190.220	5016.860	190.540	5017.500	190.540	5017.510	191.040	5018.500
GR	191.040	5018.510	191.360	5019.150	191.370	5019.160	194.270	5025.000	195.760	5038.000
GR	197.700	5041.000	198.840	5045.000	198.860	5047.000	198.810	5047.500	198.660	5052.990
GR	198.660	5053.000	198.570	5056.000	197.400	5098.000	197.210	5106.000	196.210	5148.000
GR	194.230	5156.000	196.310	5198.000	196.410	5206.000	196.960	5248.000	196.980	5256.000
GR	197.090	5300.000	200.000	6460.000	205.000	6580.000	210.000	6680.000	.000	.000

NH	5.000	.850	4700.010	.400	4945.000	.065	5053.000	.450	5300.000	.900
NH	6680.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	.000	.000	.000	.030	10.410

SR 1105

X1	18256.000	64.000	4945.000	5053.000	31.900	31.900	31.900	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
BT	-64.000	3900.000	220.000	220.000	4100.000	215.000	215.000	203.700	201.180	210.000
BT	.000	4560.000	207.220	205.000	4700.010	205.720	202.750	4766.000	204.800	201.370
BT	.000	4794.000	204.710	201.160	4811.000	204.580	200.720	4819.000	204.520	200.570
BT	.000	4861.000	204.140	199.770	4869.000	204.070	199.650	4911.000	203.830	199.040
BT	.000	4919.000	203.780	198.900	4920.000	203.780	198.880	4936.500	203.700	198.600
BT	.000	4941.000	203.670	196.520	4942.000	203.670	198.520	4944.000	203.660	197.360
BT	.000	4945.000	205.960	196.780	4945.010	205.960	200.350	4946.000	205.950	200.340
BT	.000	4979.860	205.840	200.230	4973.000	205.750	200.140	4979.850	205.700	200.090
BT	.000	4980.510	205.700	197.580	4980.000	205.700	197.580	4980.500	205.700	197.580
BT	.000	4982.150	205.680	191.670	4981.500	205.690	191.300	4981.510	205.690	197.580
BT	.000	5000.000	205.550	197.580	4982.160	205.680	200.070	4990.000	205.630	200.020
BT	.000	5016.860	205.420	199.940	5010.000	205.470	199.860	5016.850	205.420	199.810
BT	.000	5018.500	205.410	197.310	5017.500	205.420	197.310	5017.510	205.420	190.540
BT	.000	5019.160	205.410	191.040	5018.510	205.410	197.310	5019.150	205.410	197.310
BT	.000	5041.000	205.240	199.800	5025.000	205.360	199.750	5038.000	205.270	199.660
BT	.000	5047.500	205.190	199.630	5045.000	205.210	199.600	5047.000	205.200	199.590
BT	.000	5056.000	202.820	198.570	5052.990	205.150	199.540	5053.000	205.150	198.660
BT	.000	5148.000	202.150	196.210	5156.000	202.090	197.400	5198.000	202.480	197.210
BT	.000	5206.000	201.660	196.410	5248.000	202.090	196.230	5256.000	201.730	196.310
BT	.000	5300.000	201.310	196.210	5248.000	201.260	196.960	5256.000	201.180	196.980







NH	5.000	.850	4800.010	.400	4966.000	.065	5051.000	.450	5409.050	.900
NH	7060.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	19591.000	76.000	4966.000	5051.000	85.000	85.000	85.000	.000	.000	.000
GR	221.750	3780.000	216.750	4100.000	211.750	4300.000	206.750	4520.000	201.750	4600.000
GR	201.640	4800.010	201.610	4857.000	201.610	4865.000	201.550	4882.000	201.520	4890.000
GR	201.760	4907.000	201.870	4915.000	201.540	4932.000	201.380	4940.000	200.940	4957.000
GR	200.780	4963.000	200.780	4963.010	200.730	4965.100	200.510	4966.000	198.300	4975.000
GR	198.300	4975.010	198.180	4975.500	198.180	4975.510	197.930	4976.500	197.930	4976.510
GR	197.810	4977.000	197.810	4977.010	196.830	4981.000	196.680	4984.000	196.010	4985.000
GR	195.010	4991.000	195.010	4991.010	194.930	4991.500	194.920	4991.510	194.760	4992.500
GR	194.760	4992.510	194.680	4993.000	194.670	4993.010	193.510	5000.000	193.530	5008.000
GR	193.530	5008.010	193.540	5008.500	193.540	5008.510	193.540	5009.500	193.540	5009.510
GR	193.540	5010.000	193.540	5010.010	193.560	5017.000	196.010	5023.000	196.360	5025.000
GR	196.370	5025.010	196.450	5025.500	196.450	5025.510	196.630	5026.500	196.630	5026.510
GR	196.720	5027.000	196.720	5027.010	197.960	5034.000	198.660	5037.990	198.670	5038.000
GR	199.020	5040.000	199.410	5044.000	200.080	5051.000	201.380	5068.000	201.990	5076.000
GR	202.030	5093.000	202.050	5101.000	202.300	5118.000	202.420	5126.000	203.050	5143.000
GR	203.350	5151.000	203.000	5400.000	201.750	6200.000	706.750	6380.000	211.750	6760.000
GR	216.750	7060.000	.000	.000	.000	.000	.000	.000	.000	.000
NC	.000	.000	.000	.100	.300	.000	.000	.000	.000	.000
NH	5.000	.850	4000.000	.400	4221.550	.050	5778.450	.450	5950.000	.900
NH	6159.500	.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	19718.000	59.000	4221.550	5778.450	167.400	217.400	127.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	203.180	203.770	.000
X4	2.000	205.920	4000.000	210.390	5950.000	.000	.000	.000	.000	.000
GR	215.000	3659.450	210.000	3859.450	205.000	4034.450	203.030	4221.550	202.260	4266.450
GR	199.280	4267.450	200.070	4269.450	198.420	4270.080	197.750	4271.010	197.570	4271.950
GR	197.750	4272.890	198.420	4273.830	200.070	4274.450	200.050	4285.450	199.870	4373.450
GR	199.750	4431.450	199.670	4471.450	199.650	4479.450	199.670	4479.460	199.650	4480.450
GR	199.650	4480.460	200.070	4484.130	200.070	4484.140	200.070	4484.780	200.070	4484.790
GR	199.300	4488.450	199.300	4488.460	199.090	4489.450	199.090	4489.460	197.820	4495.450
GR	198.970	4591.450	200.940	4756.450	201.270	4784.450	201.020	4822.450	200.640	4881.450
GR	200.570	4891.450	200.870	4916.450	200.960	4930.450	201.270	4976.450	201.130	5031.450
GR	201.070	5055.450	201.970	5085.450	201.820	5103.450	201.270	5168.450	201.470	5246.450
GR	201.670	5286.450	201.730	5345.450	201.770	5389.450	201.770	5494.450	201.990	5569.450
GR	202.070	5598.450	202.870	5683.450	202.920	5688.450	203.010	5698.450	205.000	5759.450
GR	203.770	5778.450	210.000	5904.450	215.000	6159.450	215.000	6159.500	.000	.000
NH	5.000	.850	4000.000	.400	4221.550	.050	5778.450	.450	5950.000	.900
NH	6159.500	.000	.000	.000	.000	.000	.000	.000	.000	.000
SB	1.050	1.930	2.650	.000	10.000	.650	49.110	.840	199.300	199.300
Dem										
X1	19742.000	59.000	4221.550	5778.450	24.000	24.000	24.000	.000	.000	.000
X2	.000	.000	1.000	203.190	201.970	.000	.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	203.320	203.770	.000
X4	2.000	205.920	4000.000	210.890	5950.000	.000	.000	.000	.000	.000
BT	-59.000	3659.450	215.000	215.000	3859.450	210.000	210.000	4034.450	205.000	205.000
BT	.000	4221.550	203.320	203.030	4266.450	203.060	202.260	4267.450	203.070	199.280
BT	.000	4269.450	203.080	200.070	4270.080	203.090	201.720	4271.010	203.090	202.390
BT	.000	4271.950	203.100	202.570	4272.890	203.110	202.390	4273.830	203.120	201.720







THIS RUN EXECUTED 03-23-87 18:53:40

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 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  
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J1	ICHECK	INQ	MINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FQ
	0.	6.	0.	0.	.001093	.00	.0	0.	194.000	.000
J2	NPROF	IPLOY	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIN	ITRACE
	3.000	.000	-1.000	.000	.000	.000	.000	.000	.000	.000

T1 HAYES, SEAY, MATTERN & MATTERN HOKE CO, NC FIS  
 T2 FILENAME: RAFT.HEC ENG: SKE EA: EKL CORR 2340B  
 T3 RAFT SWAMP DATE: 3/23/87 50-YEAR EVENT





THIS RUN EXECUTED 03-23-87 18:56:26

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

RAFT SWAMP

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CVSEL	CRWS	EG	10K*S	VCH	AREA	.01K
15490.000	.00	.00	.00	183.80	1593.00	191.58	.00	191.61	10.90	2.72	4822.39	482.60
15490.000	.00	.00	.00	183.80	3127.00	193.57	.00	193.61	10.87	3.20	8509.61	948.30
15490.000	.00	.00	.00	183.80	3918.00	194.37	.00	194.40	10.96	3.40	10271.14	1183.39
15490.000	.00	.00	.00	183.80	6615.00	196.57	.00	196.61	10.94	3.89	15752.89	1999.63
17320.000	1830.00	.00	.00	185.80	1593.00	193.91	.00	193.97	16.35	3.34	5834.25	394.00
17320.000	1830.00	.00	.00	185.80	3127.00	195.97	.00	196.04	17.54	4.09	10654.45	746.58
17320.000	1830.00	.00	.00	185.80	3918.00	196.80	.00	196.88	18.12	4.40	12795.39	920.39
17320.000	1830.00	.00	.00	185.80	6615.00	199.10	.00	199.20	20.00	5.30	18994.68	1479.21
17779.000	459.05	.00	.00	186.31	1593.00	194.82	.00	194.87	12.12	2.98	7804.88	457.65
17779.000	459.05	.00	.00	186.31	3127.00	196.96	.00	197.02	13.41	3.70	14062.25	854.05
17779.000	459.05	.00	.00	186.31	3918.00	197.83	.00	197.90	13.96	4.00	16700.61	1048.47
17779.000	459.05	.00	.00	186.31	6615.00	200.24	.00	200.32	15.62	4.84	24119.57	1673.99
18223.000	444.00	.00	.00	186.81	1593.00	195.72	.00	196.03	61.46	4.46	357.12	203.20
18223.000	444.00	.00	.00	186.81	3127.00	197.86	.00	198.35	62.61	5.60	558.40	395.19
18223.000	444.00	.00	.00	186.81	3918.00	198.75	.00	199.32	67.29	6.03	649.56	477.64
18223.000	444.00	.00	.00	186.81	6615.00	201.14	.00	201.58	42.49	5.92	4987.03	1014.79
18224.000	1.00	201.18	220.00	186.81	1593.00	195.72	.00	196.05	64.75	4.57	348.28	197.97
18224.000	1.00	201.18	220.00	186.81	3127.00	197.85	.00	198.37	67.23	5.76	542.80	301.36
18224.000	1.00	201.18	220.00	186.81	3918.00	198.74	.00	199.35	71.21	6.26	626.31	464.29
18224.000	1.00	201.18	220.00	186.81	6615.00	200.76	.00	201.97	282.65	8.82	749.93	393.47
18256.000	31.90	201.18	220.00	186.81	1593.00	195.96	.00	196.25	55.70	4.32	368.44	213.46
18256.000	31.90	201.18	220.00	186.81	3127.00	198.11	.00	198.58	59.26	5.53	565.77	406.20
18256.000	31.90	201.18	220.00	186.81	3918.00	199.02	.00	199.58	65.45	5.99	654.36	484.30
18256.000	31.90	201.18	220.00	186.81	6615.00	201.67	197.51	202.87	281.65	8.81	803.31	394.16
18257.000	1.00	.00	.00	186.81	1593.00	195.99	.00	196.26	51.77	4.19	380.63	221.40
18257.000	1.00	.00	.00	186.81	3127.00	198.16	.00	198.60	53.87	5.32	588.00	426.06
18257.000	1.00	.00	.00	186.81	3918.00	199.10	.00	199.60	57.56	5.70	687.48	516.44
18257.000	1.00	.00	.00	186.81	6615.00	202.97	.00	203.18	17.16	4.30	8413.12	1597.09

SECHO	XLCH	ELTRD	ELLC	ELMIN	O	CWSEL	CRWS	EG	10K*S	VCH	AREA	.01K
18368.000	111.00	.00	.00	187.32	1593.00	196.43	.00	196.47	5.58	1.98	4298.08	674.30
18368.000	111.00	.00	.00	187.32	3127.00	198.81	.00	198.86	5.92	2.48	8419.30	1285.20
18368.000	111.00	.00	.00	187.32	3918.00	199.83	.00	199.89	5.86	2.64	10356.01	1618.53
18368.000	111.00	.00	.00	187.32	6615.00	203.25	.00	203.31	4.89	2.91	17111.47	2990.13
18890.000	522.05	.00	.00	189.38	1593.00	196.90	.00	197.01	18.65	3.06	2287.80	368.90
18890.000	522.05	.00	.00	189.38	3127.00	199.27	.00	199.39	15.30	3.52	5512.31	799.40
18890.000	522.05	.00	.00	189.38	3918.00	200.27	.00	200.40	14.11	3.66	7305.94	1042.96
18890.000	522.05	.00	.00	189.38	6615.00	203.60	.00	203.72	9.70	3.76	13689.09	2123.62
19133.000	243.00	.00	.00	190.35	1593.00	197.50	.00	197.81	58.02	4.47	358.59	209.13
19133.000	243.00	.00	.00	190.35	3127.00	199.66	.00	200.11	50.58	5.51	1483.91	439.70
19133.000	243.00	.00	.00	190.35	3918.00	200.62	.00	201.04	42.31	5.53	3049.56	602.33
19133.000	243.00	.00	.00	190.35	6615.00	203.83	.00	204.10	21.70	5.05	8865.28	1420.09
19473.000	340.00	.00	.00	191.76	1593.00	199.27	.00	199.53	44.11	4.12	386.93	239.85
19473.000	340.00	.00	.00	191.76	3127.00	201.34	.00	201.82	48.67	5.55	563.08	448.24
19473.000	340.00	.00	.00	191.76	3918.00	202.16	.00	202.75	51.89	6.20	632.37	543.89
19473.000	340.00	.00	.00	191.76	6615.00	204.74	.00	205.04	26.05	5.35	7923.51	1296.06
19506.000	32.70	204.27	202.11	191.76	1593.00	199.32	.00	199.61	42.99	4.29	371.16	242.96
19506.000	32.70	204.27	202.11	191.76	3127.00	201.44	.00	201.98	50.38	5.90	530.43	440.53
19506.000	32.70	204.27	202.11	191.76	3918.00	202.94	.00	203.52	41.62	6.09	643.11	607.30
19506.000	32.70	204.27	202.11	191.76	6615.00	205.27	.00	205.54	22.05	5.20	8919.11	1408.74
19591.000	85.00	.00	.00	193.51	1593.00	199.78	.00	200.27	113.36	5.63	282.89	149.62
19591.000	85.00	.00	.00	193.51	3127.00	201.93	199.85	202.62	90.85	6.67	612.97	328.07
19591.000	85.00	.00	.00	193.51	3918.00	203.43	.00	203.94	52.95	5.99	2440.12	538.45
19591.000	85.00	.00	.00	193.51	6615.00	205.42	.00	205.91	44.95	6.52	5962.85	986.62
19718.000	127.00	.00	.00	197.57	1593.00	201.05	.00	201.12	40.46	2.13	748.00	250.45
19718.000	127.00	.00	.00	197.57	3127.00	202.85	.00	202.87	5.69	1.10	2829.92	1310.90
19718.000	127.00	.00	.00	197.57	3918.00	204.04	.00	204.05	1.86	.85	4658.87	2873.60
19718.000	127.00	.00	.00	197.57	6615.00	205.99	.00	206.00	1.03	.87	8051.37	6530.72
19742.000	24.00	201.97	203.19	197.57	1593.00	201.05	.00	201.12	39.48	2.11	755.83	253.53
19742.000	24.00	201.97	203.19	197.57	3127.00	204.94	.00	204.94	.51	.52	6174.92	4369.60
19742.000	24.00	201.97	203.19	197.57	3918.00	205.27	.00	205.27	.61	.60	6758.44	5007.44
19742.000	24.00	201.97	203.19	197.57	6615.00	206.41	.00	206.42	.77	.79	8846.74	7529.87
19830.000	88.00	.00	.00	197.66	1593.00	201.15	.00	201.15	.75	.45	3558.85	1840.22
19830.000	88.00	.00	.00	197.66	3127.00	204.94	.00	204.94	.11	.33	10016.09	9441.08
19830.000	88.00	.00	.00	197.66	3918.00	205.27	.00	205.27	.14	.39	10534.12	10329.97
19830.000	88.00	.00	.00	197.66	6615.00	206.42	.00	206.42	.24	.55	12788.57	13616.78
20200.000	370.00	.00	.00	198.02	1593.00	201.18	.00	201.18	1.20	.52	3058.22	1452.52
20200.000	370.00	.00	.00	198.02	3127.00	204.95	.00	204.95	.13	.35	5413.54	8544.63
20200.000	370.00	.00	.00	198.02	3918.00	205.28	.00	205.28	.17	.41	10025.45	9391.64
20200.000	370.00	.00	.00	198.02	6615.00	206.43	.00	206.43	.28	.58	12196.85	12593.79

SECNO	XLCH	ELTRD	ELLC	ELMIN	O	CVSEL	CRWS	EG	10X*S	VCH	AREA	.01K
20850.000	650.00	.00	.00	198.60	1593.00	201.30	.00	201.31	3.30	.72	2227.07	876.87
20850.000	650.00	.00	.00	198.60	3127.00	204.56	.00	204.96	.21	.40	8062.41	6904.78
20850.000	650.00	.00	.00	198.60	3918.00	205.29	.00	205.29	.25	.47	8631.51	7678.96
20850.000	650.00	.00	.00	198.60	6615.00	206.45	.00	206.46	.39	.65	10690.62	10631.02
21850.000	1000.00	.00	.00	198.70	1593.00	202.05	.00	202.05	30.65	.73	2170.25	287.74
21850.000	1000.00	.00	.00	198.70	3127.00	205.01	.00	205.01	2.90	.46	6762.19	1836.57
21850.000	1000.00	.00	.00	198.70	3918.00	205.35	.00	205.36	3.52	.54	7310.42	2087.42
21850.000	1000.00	.00	.00	198.70	6615.00	206.54	.00	206.55	4.72	.72	9225.43	3045.14
22790.000	940.00	.00	.00	200.53	1593.00	204.96	.00	204.97	31.28	.74	2209.32	284.81
22790.000	940.00	.00	.00	200.53	3127.00	205.65	.00	205.66	32.94	.98	3387.31	544.85
22790.000	940.00	.00	.00	200.53	3918.00	206.07	.00	206.08	28.16	1.02	4120.67	738.27
22790.000	940.00	.00	.00	200.53	6615.00	207.34	.00	207.36	20.36	1.13	6411.23	1465.93



## RAFT SWAMP

## SUMMARY PRINTOUT TABLE 150

SECNO	Q	CUSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
15490.000	1593.00	191.58	.00	.00	-2.42	1585.27	.00
15490.000	3127.00	193.57	1.99	.00	1.43	2112.83	.00
15490.000	3918.00	194.37	.79	.00	.37	2322.95	.00
15490.000	6615.00	196.57	2.21	.00	2.57	2543.53	.00
17320.000	1593.00	193.91	.00	2.33	.00	2007.34	1830.00
17320.000	3127.00	195.97	2.06	2.39	.00	2520.84	1830.00
17320.000	3918.00	196.80	.84	2.44	.00	2595.33	1830.00
17320.000	6615.00	199.10	2.30	2.53	.00	2799.86	1830.00
17779.000	1593.00	194.82	.00	.92	.00	2649.74	459.05
17779.000	3127.00	196.96	2.14	.99	.00	3009.35	459.05
17779.000	3918.00	197.83	.87	1.03	.00	3039.01	459.05
17779.000	6615.00	200.24	2.41	1.14	.00	3120.91	459.05
18223.000	1593.00	195.72	.00	.90	.00	87.92	444.00
18223.000	3127.00	197.86	2.14	.90	.00	98.42	444.00
18223.000	3918.00	198.75	.89	.92	.00	108.20	444.00
18223.000	6615.00	201.14	2.38	.89	.00	1550.76	444.00
18224.000	1593.00	195.72	.00	.00	.00	87.97	1.00
18224.000	3127.00	197.85	2.13	-.01	.00	96.55	1.00
18224.000	3918.00	198.74	.89	-.01	.00	102.94	1.00
18224.000	6615.00	200.76	2.02	-.37	.00	108.00	1.00
18256.000	1593.00	195.96	.00	.24	.00	90.39	31.90
18256.000	3127.00	198.11	2.15	.25	.00	97.43	31.90
18256.000	3918.00	199.02	.92	.28	.00	108.00	31.90
18256.000	6615.00	201.67	2.65	.91	.00	1555.04	31.90
18257.000	1593.00	195.99	.00	.03	.00	90.67	1.00
18257.000	3127.00	198.16	2.17	.05	.00	99.98	1.00
18257.000	3918.00	199.10	.94	.07	.00	111.00	1.00
18257.000	6615.00	202.97	3.87	1.30	.00	1844.64	1.00
18368.000	1593.00	196.43	.00	.44	.00	1463.87	111.00
18368.000	3127.00	198.81	2.38	.65	.00	1879.52	111.00
18368.000	3918.00	199.83	1.02	.73	.00	1914.24	111.00
18368.000	6615.00	203.25	3.42	.29	.00	2032.56	111.00
18890.000	1593.00	196.90	.00	.47	.00	1055.94	522.05
18890.000	3127.00	199.27	2.37	.46	.00	1662.58	522.05
18890.000	3918.00	200.27	1.01	.44	.00	1859.28	522.05
18890.000	6615.00	203.60	3.33	.35	.00	1972.56	522.05

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
19133.000	1593.00	197.50	.00	.60	.00	93.18	243.00
19133.000	3127.00	199.66	2.16	.39	.00	1328.86	243.00
19133.000	3918.00	200.62	.96	.35	.00	1753.15	243.00
19133.000	6615.00	203.83	3.21	.23	.00	1889.04	243.00
19473.000	1593.00	199.27	.00	1.77	.00	85.00	340.00
19473.000	3127.00	201.34	2.07	1.68	.00	85.00	340.00
19473.000	3918.00	202.16	.81	1.54	.00	85.00	340.00
19473.000	6615.00	204.74	2.58	.90	.00	1850.53	340.00
19506.000	1593.00	199.32	.00	.05	.00	75.00	32.70
19506.000	3127.00	201.44	2.12	.10	.00	75.00	32.70
19506.000	3918.00	202.94	1.50	.78	.00	75.00	32.70
19506.000	6615.00	205.27	2.33	.53	.00	1892.45	32.70
19591.000	1593.00	199.78	.00	.46	.00	78.84	85.00
19591.000	3127.00	201.93	2.16	.49	.00	610.35	85.00
19591.000	3918.00	203.43	1.50	.49	.00	1740.59	85.00
19591.000	6615.00	205.42	1.98	.15	.00	1811.98	85.00
19718.000	1593.00	201.05	.00	1.27	.00	621.10	127.00
19718.000	3127.00	202.85	1.81	.92	.00	1448.99	127.00
19718.000	3918.00	204.04	1.19	.61	.00	1614.55	127.00
19718.000	6615.00	205.99	1.95	.57	.00	1823.57	127.00
19742.000	1593.00	201.05	.00	.01	.00	625.94	24.00
19742.000	3127.00	204.94	3.88	2.09	.00	1759.51	24.00
19742.000	3918.00	205.27	.33	1.22	.00	1783.87	24.00
19742.000	6615.00	206.41	1.15	.42	.00	1847.48	24.00
19830.000	1593.00	201.15	.00	.09	.00	1550.61	88.00
19830.000	3127.00	204.94	3.80	.00	.00	1842.81	88.00
19830.000	3918.00	205.27	.33	.01	.00	1859.42	88.00
19830.000	6615.00	206.42	1.15	.01	.00	1910.38	88.00
20200.000	1593.00	201.18	.00	.03	.00	1513.63	370.00
20200.000	3127.00	204.95	3.77	.00	.00	1841.23	370.00
20200.000	3918.00	205.28	.33	.01	.00	1857.93	370.00
20200.000	6615.00	206.43	1.15	.01	.00	1909.74	370.00
20850.000	1593.00	201.30	.00	.12	.00	1460.52	650.00
20850.000	3127.00	204.96	3.66	.01	.00	1697.57	650.00
20850.000	3918.00	205.29	.33	.01	.00	1725.32	650.00
20850.000	6615.00	206.45	1.16	.02	.00	1827.33	650.00
21850.000	1593.00	202.05	.00	.75	.00	1475.04	1000.00
21850.000	3127.00	205.01	2.96	.05	.00	1578.18	1000.00
21850.000	3918.00	205.35	.35	.06	.00	1590.44	1000.00
21850.000	6615.00	206.54	1.19	.09	.00	1632.52	1000.00

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKVS	TOPWID	XLCH
22790.000	1593.00	204.96	.00	2.91	.00	1662.06	940.00
22790.000	3127.00	205.65	.69	.64	.00	1737.57	940.00
22790.000	3918.00	206.07	.42	.72	.00	1761.88	940.00
22790.000	6615.00	207.34	1.27	.80	.00	1835.73	940.00



Gross Section B

X1	17320.000	29.000	4988.550	5011.450	1860.000	1720.000	1830.000	.000	4230.000	200.000	.000	4360.000
GR	220.000	3900.000	215.000	4010.000	210.000	4120.000	205.000	.000	4990.450	186.700	.000	4993.450
GR	195.800	4440.000	193.100	4600.000	188.500	4988.550	187.500	.000	5007.450	188.500	.000	5011.450
GR	186.800	4996.450	186.400	4999.450	185.800	5003.450	186.100	.000	6625.000	202.500	.000	6750.000
GR	189.290	5300.000	190.650	5800.000	195.000	7225.000	195.000	.000	7400.000	200.000	.000	7490.000
GR	200.000	6875.000	195.000	7050.000	192.500	7770.000	220.000	.000	7890.000	.000	.000	
GR	205.000	7610.000	210.000	7690.000	215.000							
NH	6.000	.850	4600.000	.400	4988.550	.065	5011.450	.630	5300.000	1.200	.000	
NH	5800.000	10.000	7890.000	.000	.000	.000	.000	.000	.000	.000	.000	
X1	17779.000	23.000	4988.550	5011.450	399.050	939.050	459.050	.000	4230.000	200.000	.000	4360.000
GR	220.000	3900.000	215.000	4010.000	210.000	4120.000	205.000	.000	4990.450	186.700	.000	4993.450
GR	195.800	4440.000	193.100	4600.000	188.500	4988.550	187.500	.000	5007.450	188.500	.000	5011.450
GR	186.800	4996.450	186.400	4999.450	185.800	5003.450	186.100	.000	7490.000	205.000	.000	7610.000
GR	189.290	5300.000	190.650	5800.000	195.000	7400.000	200.000	.000	.000	.000	.000	
GR	210.000	7690.000	215.000	7770.000	220.000	7890.000	.000	.000	.000	.000	.000	
NC	.000	.000	.000	.300	.500	.000	.000	.000	.000	.000	.000	.000
NH	5.000	.850	4700.010	.400	4936.500	.065	5047.500	.450	5300.000	.900	.000	
NH	6680.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	
ET	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	
X1	18223.000	64.000	4936.500	5047.500	444.000	444.000	444.000	.000	201.150	202.390	.000	4700.010
X3	10.000	.000	.000	.000	.000	.000	.000	.000	4560.000	202.750	.000	4861.000
GR	220.000	3900.000	215.000	4100.000	210.000	4300.000	205.000	.000	4819.000	199.770	.000	4936.500
GR	201.370	4786.000	201.160	4794.000	200.720	4811.000	200.570	.000	4920.000	198.600	.000	4945.010
GR	199.650	4869.000	199.040	4911.000	198.900	4919.000	198.880	.000	4979.850	191.910	.000	4979.850
GR	198.520	4941.000	198.520	4942.000	197.360	4944.000	191.910	.000	4981.510	191.300	.000	4981.510
GR	196.200	4946.000	194.310	4961.000	194.210	4973.000	191.300	.000	5000.000	186.810	.000	5010.000
GR	191.860	4980.000	191.670	4980.510	191.670	4980.510	187.110	.000	5017.510	191.040	.000	5018.500
GR	191.060	4982.150	191.060	4982.160	188.150	4990.000	190.540	.000	5025.000	195.760	.000	5038.000
GR	190.220	5016.850	190.220	5016.860	191.370	5019.160	194.270	.000	5047.500	198.660	.000	5052.990
GR	191.040	5018.510	191.360	5019.150	198.860	5047.000	198.810	.000	5106.000	196.210	.000	5148.000
GR	197.700	5041.000	198.840	5045.000	197.400	5098.000	197.210	.000	6680.000	196.980	.000	6680.000
GR	198.600	5053.000	198.570	5056.000	196.410	5206.000	210.000	.000	.000	.000	.000	
GR	196.230	5156.000	196.310	5198.000	205.000	6580.000	210.000	.000	.000	.000	.000	
GR	197.090	5300.000	200.000	6460.000	4945.000	.065	5053.000	.450	5300.000	.900	.000	
NH	5.000	.850	4700.010	.400	.000	.000	.000	.000	.000	.000	.000	
NH	6680.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	
X1	18224.000	64.000	4945.000	5053.000	1.000	1.000	1.000	.000	203.700	200.900	.000	210.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	4300.000	210.000	.000	4360.000
BT	-64.000	3900.000	220.000	220.000	4100.000	215.000	215.000	.000	4786.000	204.800	.000	4861.000
BT	.000	4560.000	207.220	205.000	4700.010	205.720	202.750	.000	4819.000	204.520	.000	4936.500
BT	.000	4794.000	204.710	201.160	4811.000	204.580	200.720	.000	4911.000	203.830	.000	4945.010
BT	.000	4861.000	204.140	199.770	4869.000	204.070	199.650	.000	4944.000	203.660	.000	4944.000
BT	.000	4919.000	203.780	198.900	4920.000	203.780	198.880	.000	4946.000	205.950	.000	4946.000
BT	.000	4941.000	203.670	198.520	4942.000	203.670	198.520	.000	4979.850	205.700	.000	4979.850
BT	.000	4945.000	205.960	196.780	4945.010	205.960	200.350	.000	4980.000	205.700	.000	4980.000
BT	.000	4961.000	205.840	200.230	4973.000	205.750	200.140	.000	4981.510	205.690	.000	4981.510
BT	.000	4979.860	205.700	197.580	4980.000	205.700	197.580	.000	.000	.000	.000	
BT	.000	4980.510	205.700	191.670	4981.510	205.690	191.300	.000	.000	.000	.000	

BT	.000	4982.150	205.680	197.580	4982.160	205.680	200.070	4990.000	205.630	200.020
BT	.000	5000.000	205.550	199.940	5010.000	205.550	199.860	5016.850	205.420	199.810
BT	.000	5016.860	205.420	197.310	5017.500	205.420	197.310	5017.510	205.420	199.540
BT	.000	5018.500	205.410	191.040	5018.510	205.410	197.310	5019.150	205.410	197.310
BT	.000	5019.160	205.410	199.800	5025.000	205.360	199.750	5038.000	205.270	199.660
BT	.000	5041.000	205.240	199.630	5045.000	205.210	199.600	5047.000	205.200	199.590
BT	.000	5047.500	205.190	199.580	5052.950	205.150	199.540	5053.000	205.150	198.660
BT	.000	5056.000	202.820	198.570	5098.000	202.530	197.400	5106.000	202.480	197.210
BT	.000	5148.000	202.150	196.210	5156.000	202.090	196.230	5198.000	201.730	196.310
BT	.000	5206.000	201.660	196.410	5248.000	201.260	196.960	5256.000	201.180	196.980
BT	.000	5300.000	201.310	197.090	6460.000	204.650	200.000	6580.000	205.000	205.000
BT	.000	6680.000	210.000	210.000	.000	.000	.000	.000	.000	.000
GR	220.000	3900.000	215.000	4100.000	210.000	4300.000	205.000	4560.000	202.750	4700.010
GR	201.370	4786.000	201.160	4794.000	200.720	4811.000	200.570	4819.000	199.770	4861.000
GR	199.650	4869.000	199.040	4911.000	198.900	4919.000	198.880	4920.000	198.600	4936.500
GR	196.200	4946.000	198.520	4942.000	197.360	4944.000	196.780	4945.000	196.770	4945.010
GR	191.860	4980.000	191.670	4980.500	191.670	4980.510	191.300	4981.500	191.300	4981.510
GR	191.060	4982.150	191.060	4982.160	188.150	4990.000	187.110	5000.000	186.810	5010.000
GR	190.220	5016.850	190.220	5016.860	190.540	5017.500	190.540	5017.510	191.040	5018.500
GR	191.040	5018.510	191.360	5019.150	191.370	5019.160	194.270	5025.000	195.760	5038.000
GR	197.700	5041.000	198.840	5045.000	195.860	5047.000	198.810	5047.500	198.660	5052.990
GR	198.660	5053.000	198.570	5056.000	197.400	5098.000	197.210	5106.000	196.210	5148.000
GR	196.230	5156.000	196.310	5198.000	196.410	5206.000	196.960	5248.000	196.980	5256.000
GR	197.090	5300.000	200.000	6460.000	203.000	6580.000	210.000	6680.000	.000	.000
NH	5.000	.850	4700.010	.400	4945.000	.065	5053.000	.450	5300.000	.900
NH	6680.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

SR 1105

X1	18256.000	64.000	4945.000	5053.000	31.900	31.900	31.900	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
BT	-64.000	3980.000	220.000	220.000	4100.000	215.000	215.000	4300.000	210.000	210.000
BT	.000	4560.000	207.220	205.000	4700.010	205.720	202.750	4786.000	204.800	201.370
BT	.000	4794.000	204.710	201.160	4811.000	204.580	200.720	4819.000	204.520	203.570
BT	.000	4861.000	204.140	199.770	4869.000	204.070	199.650	4911.000	203.830	199.040
BT	.000	4919.000	203.780	198.900	4920.000	203.780	198.880	4936.500	203.700	198.600
BT	.000	4941.000	203.670	198.520	4942.000	203.670	198.520	4944.000	203.660	197.360
BT	.000	4945.000	205.960	196.780	4945.010	205.960	200.350	4946.000	205.950	200.340
BT	.000	4961.000	205.840	200.230	4973.000	205.750	200.140	4979.850	205.700	200.090
BT	.000	4979.860	205.700	197.580	4980.000	205.700	197.580	4980.500	205.700	197.580
BT	.000	4980.510	205.700	191.670	4981.500	205.690	191.300	4981.510	205.690	197.580
BT	.000	4982.150	205.680	197.580	4982.160	205.680	200.070	4990.000	205.630	200.020
BT	.000	5000.000	205.550	199.940	5010.000	205.470	199.860	5016.850	205.420	199.810
BT	.000	5016.860	205.420	197.310	5017.500	205.420	197.310	5017.510	205.420	199.540
BT	.000	5018.500	205.410	191.040	5018.510	205.410	197.310	5019.150	205.410	197.310
BT	.000	5019.160	205.410	199.800	5025.000	205.360	199.750	5038.000	205.270	199.660
BT	.000	5041.000	205.240	199.630	5045.000	205.210	199.600	5047.000	205.200	199.590
BT	.000	5047.500	205.190	199.580	5052.990	205.150	199.540	5053.000	205.150	198.660
BT	.000	5056.000	202.820	198.570	5098.000	202.530	197.400	5106.000	202.480	197.210
BT	.000	5148.000	202.150	196.210	5156.000	202.090	196.230	5198.000	201.730	196.310
BT	.000	5206.000	201.660	196.410	5248.000	201.260	196.960	5256.000	201.180	196.980
BT	.000	5300.000	201.310	197.090	6460.000	204.650	200.000	6580.000	205.000	205.000

BT	.000	6680.000	210.000	210.000	.000	.000	.000	.000	.000	.000
GR	220.000	3900.000	215.000	4100.000	210.000	4300.000	205.000	4560.000	202.750	4700.010
GR	201.370	4786.000	201.160	4794.000	200.720	4811.000	200.570	4819.000	199.770	4861.000
GR	199.650	4869.000	199.040	4911.000	198.900	4919.000	198.880	4920.000	198.600	4936.500
GR	198.520	4941.000	198.520	4942.000	197.360	4944.000	196.780	4945.000	196.770	4945.010
GR	196.200	4946.000	194.310	4961.000	194.210	4973.000	191.910	4979.850	191.910	4979.860
GR	191.860	4980.000	191.670	4980.500	191.670	4980.510	191.300	4981.500	191.300	4981.510
GR	191.060	4982.150	191.060	4982.160	188.150	4990.000	187.110	5000.000	186.810	5010.000
GR	190.220	5016.850	190.220	5016.860	190.540	5017.500	190.540	5017.510	191.040	5018.500
GR	191.040	5018.510	191.360	5019.150	191.370	5019.160	194.270	5025.000	195.760	5038.000
GR	197.700	5041.000	198.840	5045.000	198.860	5047.000	198.810	5047.500	198.660	5052.990
GR	198.660	5053.000	198.570	5056.000	197.400	5098.000	197.210	5106.000	196.210	5148.000
GR	196.230	5156.000	196.310	5198.000	196.410	5206.000	196.960	5248.000	196.980	5256.000
GR	197.090	5300.000	200.000	6460.000	205.000	6580.000	210.000	6680.000	.000	.000
NH	5.000	.850	4700.010	.400	4936.500	.065	5047.500	.450	5300.000	.900
NH	6680.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	18257.000	64.000	4936.500	5047.500	1.000	1.000	1.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	201.370	201.400	.000
GR	220.000	3900.000	215.000	4100.000	210.000	4300.000	205.000	4560.000	202.750	4700.010
GR	201.370	4786.000	201.160	4794.000	200.720	4811.000	200.570	4819.000	199.770	4861.000
GR	199.650	4869.000	199.040	4911.000	198.900	4919.000	198.880	4920.000	198.600	4936.500
GR	198.520	4941.000	198.520	4942.000	197.360	4944.000	196.780	4945.000	196.770	4945.010
GR	196.200	4946.000	194.310	4961.000	194.210	4973.000	191.910	4979.850	191.910	4979.860
GR	191.860	4980.000	191.670	4980.500	191.670	4980.510	191.300	4981.500	191.300	4981.510
GR	191.060	4982.150	191.060	4982.160	188.150	4990.000	187.110	5000.000	186.810	5010.000
GR	190.220	5016.850	190.220	5016.860	190.540	5017.500	190.540	5017.510	191.040	5018.500
GR	191.040	5018.510	191.360	5019.150	191.370	5019.160	194.270	5025.000	195.760	5038.000
GR	197.700	5041.000	198.840	5045.000	198.860	5047.000	198.810	5047.500	198.660	5052.990
GR	198.660	5053.000	198.570	5056.000	197.400	5098.000	197.210	5106.000	196.210	5148.000
GR	196.230	5156.000	196.310	5198.000	196.410	5206.000	196.960	5248.000	196.980	5256.000
GR	197.090	5300.000	200.000	6460.000	205.000	6580.000	210.000	6680.000	.000	.000
NH	5.000	.850	4750.000	.400	4948.000	.065	5021.000	.450	5350.000	.900
NH	7190.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
ET	4937.000	5207.000	.000	.000	.000	.000	.000	.000	.000	1.110
X1	18368.000	21.000	4948.000	5021.000	111.000	111.000	111.000	.000	-2.060	.000
GR	220.000	3430.000	215.000	4130.000	210.000	4400.000	205.000	4500.000	200.000	4600.000
GR	196.960	4750.000	193.180	4937.000	193.280	4948.000	192.580	4950.000	191.380	4976.000
GR	190.980	4983.000	189.380	5000.000	190.880	5008.000	192.580	5013.000	193.080	5021.000
GR	194.670	5350.000	200.000	6450.000	205.000	6520.000	210.000	6620.000	215.000	6790.000
GR	220.000	7190.000	.000	.000	.000	.000	.000	.000	.000	.000
HC	.000	.000	.000	.100	.300	.000	.000	.000	.000	.000
NH	6.000	.850	4750.000	.400	4948.000	.065	5021.000	.450	5130.000	.800
NH	5350.000	.900	7190.000	.000	.000	.000	.000	.000	.000	.000
ET	4930.000	5200.000	.000	.000	.000	.000	.000	.000	.000	1.110

Cross Section C







NH	5.000	.850	4800.010	.400	4966.000	.065	5051.000	.450	5400.000	.900
NH	7060.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	19591.000	76.000	4966.000	5051.000	85.000	4300.000	85.000	.000	.000	.000
GR	221.750	3780.000	216.750	4100.000	211.750	206.750	206.750	4520.000	201.750	4600.000
GR	201.640	4800.010	201.610	4865.000	201.610	4865.000	201.550	4882.000	201.520	4890.000
GR	201.760	4907.000	201.870	4915.000	201.540	4932.000	201.380	4940.000	200.940	4957.000
GR	200.780	4963.000	200.780	4963.010	200.730	4965.160	200.510	4966.000	198.300	4975.000
GR	198.300	4975.010	198.180	4975.500	198.180	4975.510	197.930	4976.500	197.930	4976.510
GR	197.810	4977.000	197.810	4977.010	196.830	4981.000	196.680	4984.000	196.010	4985.000
GR	195.010	4991.000	195.010	4991.010	194.930	4991.500	194.920	4991.510	194.760	4992.500
GR	194.760	4992.510	194.680	4993.000	194.670	4993.010	193.510	5000.000	193.530	5008.000
GR	193.530	5008.010	193.540	5008.500	193.540	5008.510	193.540	5009.500	193.540	5009.510
GR	193.540	5010.000	193.540	5010.010	193.540	5017.000	196.010	5023.000	196.360	5025.000
GR	196.370	5025.010	196.450	5025.500	196.450	5025.510	196.630	5026.500	196.630	5026.510
GR	199.020	5040.000	199.410	5044.000	197.960	5034.000	198.660	5037.990	198.670	5038.000
GR	202.030	5093.000	202.050	5101.000	202.300	5118.000	202.420	5126.000	203.050	5143.000
GR	203.350	5151.000	203.000	5400.000	201.750	6280.000	206.750	6380.000	211.750	6760.000
GR	216.750	7060.000	.000	.000	.000	.000	.000	.000	.000	.000
NC	.000	.000	.000	.100	.300	.000	.000	.000	.000	.000
NH	5.000	.850	4000.000	.400	4221.550	.050	5778.450	.450	5950.000	.900
NH	6159.500	.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	19718.000	59.000	4221.550	5778.450	167.400	217.400	127.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	203.180	203.770	.000
X4	2.000	205.980	4000.000	210.890	5950.000	.000	.000	.000	.000	.000
GR	215.000	3659.450	210.000	3859.450	205.000	4034.450	203.030	4221.550	202.260	4266.450
GR	199.280	4267.450	200.070	4269.450	198.420	4270.080	197.750	4271.010	197.570	4271.950
GR	197.750	4272.890	198.420	4273.830	200.070	4274.450	200.050	4285.450	199.870	4373.450
GR	199.750	4431.450	199.670	4471.450	199.650	4479.450	199.650	4479.460	199.650	4480.450
GR	199.650	4480.460	200.070	4484.130	200.070	4484.140	200.070	4484.780	200.070	4484.790
GR	199.300	4488.450	199.300	4488.450	199.090	4489.460	199.090	4489.460	197.820	4495.450
GR	198.970	4591.450	200.940	4756.450	201.270	4784.450	201.020	4822.450	200.640	4881.450
GR	200.570	4891.450	200.870	4916.450	200.960	4930.450	201.270	4976.450	201.130	5031.450
GR	201.070	5055.450	201.970	5085.450	201.820	5103.450	201.270	5168.450	201.470	5246.450
GR	201.670	5286.450	201.730	5345.450	201.770	5389.450	201.770	5494.450	201.990	5569.450
GR	202.070	5598.450	202.870	5683.450	202.920	5688.450	203.010	5698.450	205.000	5759.450
GR	203.770	5778.450	210.000	5904.450	215.000	6159.450	215.000	6159.500	.000	.000
NH	5.000	.850	4000.000	.400	4221.550	.050	5778.450	.450	5950.000	.900
NH	6159.500	.000	.000	.000	.000	.000	.000	.000	.000	.000
SB	1.050	1.930	2.650	.000	10.000	.650	49.110	.840	199.300	199.300
Dem										
X1	19742.000	59.000	4221.550	5778.450	24.000	24.000	24.000	.000	.000	.000
X2	.000	.000	1.000	203.190	201.970	.000	.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	203.320	203.770	.000
X4	2.000	205.980	4000.000	210.890	5950.000	.000	.000	.000	.000	.000
BT	-59.000	3659.450	215.000	3859.450	210.000	4034.450	210.000	4034.450	205.000	205.000
BT	.000	4221.550	203.320	4266.450	203.066	202.260	202.260	4267.450	203.070	199.280
BT	.000	4269.450	203.080	200.070	4270.080	203.090	201.720	4271.010	203.090	202.390
BT	.000	4271.950	203.100	202.570	4272.890	203.110	202.390	4273.830	203.120	201.720







THIS RUN EXECUTED 03-23-87 18:59:15

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

RAFT SWAMP

SUMMARY PRINTOUT TABLE 110

SECNO	CWSEL	DFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
15490.000	194.37	.37	194.40	2322.95	567.37	733.39	2617.24	.00	.00	4989.05	5010.95	.00
15490.000	195.37	1.00	195.42	882.65	222.09	863.66	2832.25	.22	4929.50	4989.05	5010.95	5812.15
17320.000	196.80	.00	196.88	2595.33	1283.98	1015.83	1618.18	.00	.00	4988.55	5011.45	.00
17320.000	197.80	.99	197.90	806.02	1201.47	1189.75	1526.78	.20	4737.65	4988.55	5011.45	5543.67
17779.000	197.83	.00	197.90	3039.01	1307.23	970.10	1640.67	.00	.00	4988.55	5011.45	.00
17779.000	198.82	.99	198.91	878.23	1228.13	1127.18	1562.70	.19	4720.79	4988.55	5011.45	5599.02
18223.000	198.75	.00	199.32	108.20	.00	3918.00	.00	.00	.00	4936.50	5047.50	.00
18223.000	199.66	.91	200.09	111.00	.00	3918.00	.00	.00	4936.50	4936.50	5047.50	5047.50
18224.000	198.74	.00	199.35	102.94	.00	3918.00	.00	.00	.00	4945.00	5053.00	.00
18224.000	199.65	.91	200.11	108.00	.00	3918.00	.00	.00	4945.00	4945.00	5053.00	5053.00
18256.000	199.02	.00	199.58	108.00	.00	3918.00	.00	.00	.00	4945.00	5053.00	.00
18256.000	199.86	.84	200.30	108.00	.00	3918.00	.00	.00	.00	4945.00	5053.00	.00
18257.000	199.10	.00	199.60	111.00	.00	3918.00	.00	.00	.00	4936.50	5047.50	.00
18257.000	199.93	.83	200.32	111.00	.00	3918.00	.00	.00	4936.50	4936.50	5047.50	5047.50
18368.000	199.83	.00	199.89	1914.24	498.97	2023.74	1395.30	.00	.00	4948.00	5021.00	.00
18368.000	200.42	.59	200.60	270.00	37.49	3101.47	779.03	270.00	4937.00	4948.00	5021.00	5207.00
18890.000	200.27	.00	200.40	1859.28	473.50	2377.32	1067.18	.00	.00	4948.00	5021.00	.00
18890.000	201.16	.88	201.41	270.00	77.27	3213.15	627.58	270.00	4930.00	4948.00	5021.00	5200.00
19133.000	200.62	.00	201.04	1753.15	236.83	3439.81	241.36	.00	.00	4966.00	5051.00	.00
19133.000	201.64	1.02	202.09	150.00	.00	3831.46	86.54	150.00	4966.00	4966.00	5051.00	5116.00
19473.000	202.16	.00	202.75	85.00	.00	3918.00	.00	.00	.00	4966.00	5051.00	.00
19473.000	202.89	.73	203.38	85.00	.00	3918.00	.00	.00	4966.00	4966.00	5051.00	5051.00

SEONO	CVSEL	DIFKUS	EG	TOPUID	QLOB	QCH	QROB	PERENC	STENCL	STCKL	STCHR	STENCR
19506.000	202.94	.00	203.52	75.00	.00	3918.00	.00	.00	.00	4963.00	5038.00	.00
19506.000	203.77	.83	204.25	75.00	.00	3918.00	.00	.00	4963.00	4963.00	5038.00	5038.00
19591.000	203.43	.00	203.94	1740.59	198.12	3546.94	172.93	.00	.00	4966.00	5051.00	.00
19591.000	204.05	.62	204.63	85.00	.00	3918.00	.00	.18	4966.00	4966.00	5051.00	5051.00
19718.000	204.04	.00	204.05	1614.55	1.57	3916.42	.01	.00	.00	4221.55	5778.45	.00
19718.000	204.71	.67	204.72	1543.74	.00	3918.00	.00	.00	4221.55	4221.55	5778.45	5778.45
19742.000	205.27	.00	205.27	1783.87	7.96	3909.56	.49	.00	.00	4221.55	5778.45	.00
19742.000	205.61	.35	205.62	1556.90	.00	3918.00	.00	.00	4221.55	4221.55	5778.45	5778.45
19830.000	205.27	.00	205.27	1859.42	11.66	3905.05	1.28	.00	.00	4701.00	6275.90	.00
19830.000	205.62	.35	205.62	1574.90	.00	3918.00	.00	.00	4701.00	4701.00	6275.90	6275.90
20200.000	205.28	.00	205.28	1857.93	11.10	3905.75	1.14	.00	.00	4701.00	6275.90	.00
20200.000	205.62	.34	205.62	1574.90	.00	3918.00	.00	.00	4701.00	4701.00	6275.90	6275.90
20850.000	205.29	.00	205.29	1725.32	5.40	3911.39	1.21	.00	.00	4225.00	5775.00	.00
20850.000	205.63	.34	205.63	1550.00	.00	3918.00	.00	.00	4225.00	4225.00	5775.00	5775.00
21850.000	205.35	.00	205.36	1590.44	2.78	3914.38	.84	.00	.00	4225.00	5775.00	.00
21850.000	205.68	.33	205.69	1550.00	.00	3918.00	.00	.00	4225.00	4225.00	5775.00	5775.00
22790.000	206.07	.00	206.08	1761.88	3.32	3848.27	66.40	.00	.00	4258.55	5741.45	.00
22790.000	206.26	.19	206.27	1482.90	.00	3918.00	.00	.03	4258.55	4258.55	5741.45	5741.45

FLOODWAY DATA, RAFT SWAMP  
 PROFILE NO. 2

STATION	FLOODWAY WIDTH	FLOODWAY SECTION AREA	MEAN VELOCITY	WATER SURFACE ELEVATION		DIFFERENCE
				WITH FLOODWAY	WITHOUT FLOODWAY	
15490.000	883.	7182.	.5	195.4	194.4	1.0
17320.000	806.	6774.	.6	197.8	196.8	1.0
17779.000	878.	7763.	.5	198.8	197.8	1.0
18223.000	111.	750.	5.2	199.7	198.8	.9
18224.000	108.	720.	5.4	199.6	198.7	.9
18256.000	108.	734.	5.3	199.8	199.0	.8
18257.000	111.	780.	5.0	199.9	199.1	.8
18368.000	270.	2576.	1.5	200.4	199.8	.6
18890.000	270.	2223.	1.8	201.2	200.3	.9
19133.000	150.	912.	4.3	201.6	200.6	1.0
19473.000	85.	695.	5.6	202.9	202.2	.7
19506.000	75.	705.	5.6	203.7	202.9	.8
19591.000	85.	645.	6.1	204.0	203.4	.6
19718.000	1557.	5635.	.7	204.7	204.0	.7
19742.000	1557.	7030.	.6	205.6	205.3	.3
19830.000	1575.	10594.	.4	205.6	205.3	.3
20200.000	1575.	10035.	.4	205.6	205.3	.3
20850.000	1550.	8908.	.4	205.6	205.3	.3
21850.000	1550.	7777.	.5	205.7	205.4	.3
22790.000	1483.	4078.	1.0	206.3	206.1	.2