

GIRLEASY

CURRICK



NC	.100	.050	.300	.000	.000	.000	.000	.000	.000	.000
NH	4.000	.065	5451.500	.053	5478.000	5696.000	5696.000	5696.000	5696.000	5696.000
ET	.000	.000	.000	.000	.000	.000	.000	.000	.000	5501.000

CROSS SECTION GRA

X1	2015.000	16.000	5451.500	200.000	200.000	200.000	200.000	200.000	.000	.000
GR	75.000	5000.000	75.440	5044.000	5044.000	5044.000	5044.000	5044.000	66.030	5411.000
GR	65.570	5451.500	59.810	5462.000	5462.000	5462.000	5462.000	5462.000	57.690	5470.000
GR	59.510	5478.000	64.490	5488.000	5488.000	5488.000	5488.000	5488.000	70.000	5604.000
GR	75.000	5696.000	.000	.000	.000	.000	.000	.000	.000	.000
NH	6.000	.120	4566.000	.120	5000.000	5035.000	5035.000	5035.000	.120	.120
NH	5219.000	100.000	5535.000	.000	.000	.000	.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	.000	.000	.000	.000	5060.000

FIRST CROSS SECTION FOR BRIDGE #1, SR 18

X1	2115.000	45.000	5000.000	5035.000	100.000	100.000	100.000	100.000	.000	.000
GR	101.140	3538.000	96.140	3583.000	3618.000	3618.000	3618.000	3618.000	86.140	3743.000
GR	76.140	3838.000	71.140	3983.000	4108.000	4108.000	4108.000	4108.000	76.140	4200.000
GR	76.140	4315.000	76.140	4405.000	4566.000	4566.000	4566.000	4566.000	71.140	4643.000
GR	63.850	4961.000	63.100	5000.000	5001.000	5001.000	5001.000	5001.000	59.290	5036.000
GR	59.500	5009.500	59.500	5009.510	5011.000	5011.000	5011.000	5011.000	58.850	5012.000
GR	58.850	5012.010	58.750	5017.000	5022.000	5022.000	5022.000	5022.000	59.500	5023.000
GR	59.500	5023.010	63.190	5028.000	5033.000	5033.000	5033.000	5033.000	64.500	5034.000
GR	65.020	5035.000	65.020	5035.010	5046.000	5046.000	5046.000	5046.000	76.140	5219.000
GR	81.140	5264.000	86.140	5305.000	5344.000	5344.000	5344.000	5344.000	101.140	5534.000
NC	.000	.000	.000	.300	.500	.000	.000	.000	.000	.000
NH	4.000	.120	5000.000	.053	5035.000	5166.000	5166.000	5166.000	.120	.000
ET	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	2169.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
X4	1.000	71.210	5166.000	.000	.000	.000	.000	.000	.000	.000

BRIDGE #1, SR 18

X1	2170.000	40.000	5000.000	5035.000	1.000	1.000	1.000	1.000	.000	.000
BT	-40.000	3723.000	100.000	100.000	95.000	95.000	95.000	95.000	90.000	90.000
BT	.000	3911.000	85.000	85.000	80.000	80.000	80.000	80.000	80.000	80.000
BT	.000	4583.000	80.000	75.000	80.000	80.000	80.000	80.000	80.000	80.000
BT	.000	4999.990	75.990	63.100	75.990	75.990	75.990	75.990	75.990	75.990
BT	.000	5001.010	75.990	72.260	5006.000	5006.000	5006.000	5006.000	76.070	72.100
BT	.000	5011.000	76.080	72.070	5011.010	5011.010	5011.010	5011.010	76.090	58.850
BT	.000	5012.010	76.090	72.050	5017.000	5017.000	5017.000	5017.000	76.170	71.860
BT	.000	5022.010	76.170	58.900	5023.000	5023.000	5023.000	5023.000	76.180	71.840
BT	.000	5028.000	76.220	71.740	5033.000	5033.000	5033.000	5033.000	76.260	64.500
BT	.010	5034.000	76.260	64.760	5035.000	5035.000	5035.000	5035.000	81.210	70.000
BT	.000	5166.000	81.990	75.000	5166.000	5166.000	5166.000	5166.000	85.000	83.750

BT	.000	5252.000	85.890	90.000	90.000	5330.000	90.900	90.900
BT	.000	5435.000	93.540	97.900	95.000	5493.000	100.000	100.000
BT	.000	5603.000	100.000	3851.000	.000	.000	.000	.000
GR	100.000	3723.000	3793.000	4601.000	85.000	90.000	80.000	3975.000
GR	80.000	4015.000	4583.000	5001.010	65.820	70.000	63.100	4999.990
GR	63.100	5000.000	5011.010	5012.000	59.250	61.530	59.500	5009.500
GR	59.230	5011.000	59.230	5023.000	50.850	58.850	58.750	5017.000
GR	58.900	5022.000	58.900	5034.000	59.500	59.500	63.190	5028.000
GR	64.500	5033.000	64.500	5034.000	65.020	64.760	70.000	5148.000
GR	75.000	5166.000	80.000	5235.000	83.750	83.750	90.000	5294.000
GR	90.900	5330.000	93.540	5493.000	95.000	95.000	100.000	5603.000
NH	5.000	.180	4798.000	.046	5000.000	5000.000	5166.000	100.000
NH	5603.000	.000	.000	.000	.000	.000	.000	.000
ET	2260.000	.000	.000	90.000	9.100	9.100	5000.000	5035.000
X1	.000	.000	.000	.000	.000	.000	.000	.000
X2	.000	.000	.000	.000	1.000	.000	.000	.000
NH	5.000	.180	4798.000	.046	5000.000	5000.000	5166.000	100.000
NH	5603.000	.000	.000	.000	.000	.000	.000	.000
ET	2261.000	.000	.000	1.000	10.410	10.410	.000	.000
X1	10.000	.000	.000	1.000	.000	.000	.000	.000
X3	.000	.000	.000	.000	.000	.000	76.260	.000
NH	5.000	100.000	4731.000	.046	5000.000	5000.000	5166.000	100.000
NH	5603.000	.000	.000	.000	.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	.000	4975.000	5035.000

LAST CROSS SECTION FOR BRIDGE #1, SR 18

FIRST CROSS SECTION FOR BRIDGE #2, SR 18A

X1	2325.000	.000	.000	53.000	64.000	.000	.000	.350	.600
X4	1.000	67.590	4731.000	.000	.000	.000	.000	.000	.000
NH	5.000	100.000	4810.500	.046	5046.000	5046.000	5245.500	100.000	100.000
NH	5650.500	.000	.000	.000	.000	.000	.000	.000	.000
ET	.000	.000	.000	.000	10.410	10.410	.000	.000	.000
X1	2422.000	30.000	5000.400	75.000	97.000	97.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	72.340	.000	.000
X4	3.000	75.000	4810.500	82.850	5245.500	5245.500	.000	.000	.000
GR	100.000	3974.500	75.000	4088.500	85.000	90.000	80.000	4260.500	4260.500
GR	75.000	4480.500	4980.500	4989.500	66.290	66.290	65.930	5001.410	5001.410
GR	60.760	5016.000	60.760	5017.010	60.340	60.340	59.930	5018.000	5018.000
GR	59.580	5024.000	59.450	5029.500	59.440	59.440	59.540	5031.000	5031.000
GR	59.540	5031.010	59.930	5036.000	62.280	62.280	62.470	5046.000	5046.000
GR	80.000	5188.500	85.000	5360.500	95.000	95.000	100.000	5650.500	5650.500

02-26-86 23:49:42

NH	5.000	100.000	4810.500	.180	4999.990	.055	5046.020	.180	5145.500	100.000
NH	5511.500	.000	.000	.000	.000	.000	.000	.000	.000	.000
SB	1.250	1.560	2.600	.000	28.130	2.000	378.000	.859	59.440	59.440

BRIDGE #2, SR 18A

X1	2448.000	35.000	4999.990	5046.020	26.000	26.000	26.000	.000	.000	.000
X2	.000	.000	1.000	70.140	.000	.000	.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	72.340	72.340	.000
X4	3.000	72.710	4810.530	65.900	5145.500	69.350	5245.500	.600	.000	.000
BT	-34.000	4090.500	86.900	85.000	4180.000	85.000	82.200	4250.500	82.930	80.000
BT	.000	4350.000	80.000	79.320	4999.500	72.320	70.000	4999.990	72.310	66.290
BT	.000	5000.000	72.310	70.110	5000.010	75.030	70.110	5000.400	75.030	70.110
BT	.000	5001.400	75.030	70.110	5001.410	75.030	70.110	5016.000	75.010	70.120
BT	.000	5016.010	75.010	60.760	5017.000	75.010	60.350	5017.010	75.010	70.120
BT	.000	5018.000	75.010	70.120	5024.000	75.020	70.130	5030.000	75.020	70.140
BT	.000	5030.010	75.020	59.450	5030.500	75.020	59.440	5031.000	75.020	59.540
BT	.000	5031.010	75.020	70.140	5033.000	75.030	70.140	5036.000	75.040	70.140
BT	.000	5045.000	75.080	70.140	5046.000	75.080	70.140	5046.010	72.340	70.140
BT	.000	5046.020	72.340	62.470	5191.010	80.000	67.470	5264.500	83.680	70.000
BT	.000	5291.010	85.000	71.250	5370.500	86.690	75.000	5400.500	87.330	80.000
BT	.000	5511.500	89.690	85.000	.000	.000	.000	.000	.000	.000
GR	85.000	4090.500	82.200	4180.000	80.000	4250.500	79.320	4350.000	70.000	4999.500
GR	66.290	4999.990	66.290	5000.000	5000.010	5000.010	66.290	5000.400	65.930	5001.400
GR	65.930	5001.410	60.760	5016.000	5016.010	5016.010	60.350	5017.000	60.340	5017.010
GR	59.930	5018.000	59.580	5024.000	5029.500	5029.500	59.450	5030.000	59.450	5030.010
GR	59.440	5030.500	59.540	5031.000	5031.010	5031.010	59.930	5033.000	60.510	5036.000
GR	62.280	5045.000	62.470	5046.000	5046.010	5046.010	62.470	5046.020	67.470	5191.010
GR	70.000	5264.500	71.250	5291.010	5370.500	5370.500	80.000	5400.500	85.000	5511.500

NH	6.000	.150	4810.500	.120	4999.990	.055	5046.020	.120	5145.500	.140
NH	5345.500	100.000	5511.500	.000	.000	.000	.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	.000	9.100	.000	4995.000	5048.000

LAST CROSS SECTION FOR BRIDGE #2, SR 18A

X1	2492.000	.000	.000	.000	44.000	44.000	44.000	.000	.190	.000
X4	1.000	74.010	5345.500	.000	.000	.000	.000	.000	.000	.000
NC	.100	.100	.050	.100	.300	.000	.000	.000	.000	.000
NH	5.000	.150	5140.000	.120	5315.000	.055	5350.000	.120	5455.000	.140
NH	5333.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	.000	9.100	.000	5260.000	5406.000

CROSS SECTION GRB

X1	4145.000	18.000	5315.000	5350.000	1583.000	1705.000	1631.000	.000	.000	.000
X4	2.000	73.290	5140.000	74.170	5455.000	.000	.000	.000	.000	.000
GR	85.000	5000.000	80.000	5020.000	75.000	5070.000	70.000	5275.000	70.800	5315.000
GR	66.000	5319.000	65.600	5320.500	65.400	5323.000	65.000	5326.000	65.200	5331.000
GR	65.400	5336.000	65.600	5339.500	66.700	5340.000	71.200	5350.000	70.000	5365.000
GR	75.000	5473.000	80.000	5493.000	85.000	5533.000	.000	.000	.000	.000











SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CANSEL	CRIMS	EG	10R*S	VCH	AREA	.01K
2325.000	64.00	.00	.00	59.10	1080.00	67.32	.00	67.47	11.80	3.59	804.27	314.37
2325.000	64.00	.00	.00	59.10	2120.00	70.20	.00	70.31	7.09	3.57	2060.33	796.35
2325.000	64.00	.00	.00	59.10	2640.00	71.38	.00	71.48	6.06	3.58	2711.14	1072.81
2325.000	64.00	.00	.00	59.10	4300.00	76.20	.00	76.26	2.77	3.12	5503.59	2584.09
2422.000	97.00	.00	.00	59.44	1080.00	67.41	.00	67.66	14.52	3.97	272.16	283.42
2422.000	97.00	.00	.00	59.44	2120.00	70.15	.00	70.60	15.86	5.34	397.25	532.35
2422.000	97.00	.00	.00	59.44	2640.00	71.28	.00	71.82	16.39	5.88	448.69	652.12
2422.000	97.00	.00	.00	59.44	4300.00	76.12	.00	76.44	7.17	5.08	2136.30	1605.60
2448.000	26.00	72.31	70.14	59.44	1080.00	67.44	.00	67.69	20.48	3.94	274.26	238.66
2448.000	26.00	72.31	70.14	59.44	2120.00	70.51	.00	70.92	19.76	5.10	415.51	476.96
2448.000	26.00	72.31	70.14	59.44	2640.00	72.01	.00	72.47	18.40	5.45	484.21	615.49
2448.000	26.00	72.31	70.14	59.44	4300.00	76.36	.00	76.49	5.37	3.71	4724.29	1854.81
2492.000	44.00	.00	.00	59.63	1080.00	67.70	.00	67.79	10.22	2.80	645.69	337.75
2492.000	44.00	.00	.00	59.63	2120.00	70.98	.00	71.05	5.98	2.86	1451.34	866.76
2492.000	44.00	.00	.00	59.63	2640.00	72.55	.00	72.62	4.47	2.75	2094.55	1249.25
2492.000	44.00	.00	.00	59.63	4300.00	76.49	.00	76.53	2.33	2.44	4673.20	2817.70
4145.000	1631.00	.00	.00	65.00	1080.00	71.92	.00	72.24	43.22	4.96	379.21	164.27
4145.000	1631.00	.00	.00	65.00	2120.00	73.87	.00	74.14	30.85	5.18	909.41	381.68
4145.000	1631.00	.00	.00	65.00	2640.00	74.79	.00	75.00	24.01	4.95	1238.72	538.81
4145.000	1631.00	.00	.00	65.00	4300.00	77.61	.00	77.73	12.02	4.28	2416.38	1240.33

THIS RUN EXECUTED 02-26-86 23:52:27

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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

GREASY CREEK

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K*S	VCH	AREA	.01K
1815.000	.00	.00	.00	55.44	1080.00	64.79	.00	65.32	50.80	5.93	211.27	151.52
1815.000	.00	.00	.00	55.44	2120.00	66.71	.00	67.30	50.96	7.02	585.92	294.98
1815.000	.00	.00	.00	55.44	2640.00	67.25	.00	67.82	50.65	7.29	763.76	370.94
1815.000	.00	.00	.00	55.44	4300.00	68.45	.00	68.98	50.39	7.89	1267.88	605.74
2015.000	200.00	.00	.00	56.48	1080.00	65.80	.00	66.34	51.52	5.95	209.11	150.47
2015.000	200.00	.00	.00	56.48	2120.00	67.73	.00	68.33	51.82	7.07	579.71	294.49
2015.000	200.00	.00	.00	56.48	2640.00	68.27	.00	68.85	51.80	7.35	754.16	366.82
2015.000	200.00	.00	.00	56.48	4300.00	69.46	.00	70.00	51.71	7.97	1252.30	597.98
2115.000	100.00	.00	.00	57.61	1080.00	66.45	.00	66.52	7.37	2.62	752.89	397.69
2115.000	100.00	.00	.00	57.61	2120.00	68.43	.00	68.50	6.72	2.95	1429.03	817.83
2115.000	100.00	.00	.00	57.61	2640.00	68.95	.00	69.03	7.46	3.23	1649.04	966.61
2115.000	100.00	.00	.00	57.61	4300.00	70.10	.00	70.22	9.93	4.03	2207.70	1364.64
2169.000	54.00	.00	.00	58.75	1080.00	66.39	.00	66.84	40.23	5.38	200.58	170.28
2169.000	54.00	.00	.00	58.75	2120.00	68.15	.00	69.16	63.52	8.09	262.14	266.01
2169.000	54.00	.00	.00	58.75	2640.00	68.53	.00	69.95	83.60	9.59	275.36	288.74
2169.000	54.00	.00	.00	58.75	4300.00	68.99	.00	72.37	183.14	14.74	291.64	317.74
2170.000	1.00	75.99	100.00	58.75	1080.00	66.33	63.68	66.91	48.20	6.10	177.10	155.55
2170.000	1.00	75.99	100.00	58.75	2120.00	67.99	65.78	69.34	81.47	9.35	226.78	234.88
2170.000	1.00	75.99	100.00	58.75	2640.00	68.27	66.61	70.23	111.49	11.22	235.44	250.03
* 2170.000	1.00	75.99	100.00	58.75	4300.00	69.00	69.00	73.34	219.75	16.71	257.40	290.07
2260.000	90.00	75.99	100.00	58.75	1080.00	66.75	63.68	67.26	28.84	5.69	189.76	201.09
2260.000	90.00	75.99	100.00	58.75	2120.00	68.83	65.78	69.93	43.08	8.41	252.17	322.98
2260.000	90.00	75.99	100.00	58.75	2640.00	69.57	66.61	71.00	50.36	9.62	274.49	372.02
2260.000	90.00	75.99	100.00	58.75	4300.00	73.12	69.01	75.52	149.22	12.43	346.07	352.01
2261.000	1.00	.00	.00	58.75	1080.00	66.92	.00	67.30	22.57	4.93	219.08	227.31
2261.000	1.00	.00	.00	58.75	2120.00	69.26	.00	70.03	30.11	7.04	301.19	386.37
2261.000	1.00	.00	.00	58.75	2640.00	70.17	.00	71.15	33.47	7.93	332.81	456.32
2261.000	1.00	.00	.00	58.75	4300.00	74.70	.00	75.89	24.25	8.75	491.27	873.26

GREASY CREEK

SUMMARY PRINTOUT TABLE 150

SECCO	Q	CUSEL	DIFMSP	DIFUSX	DIFKYS	TOPPID	XLCH
1815.000	1080.0019	64.79	.00	.00	-14.89	91.51	.00
1815.000	2120.0032	66.71	1.92	.00	-12.97	297.83	.00
1815.000	2640.0012	67.25	.54	.00	-12.43	356.11	.00
1815.000	4300.0000	68.45	1.20	.00	-11.23	484.61	.00
2015.000	1080.00	65.80	.00	1.02	.00	38.92	200.00
2015.000	2120.00	67.73	1.92	1.02	.00	295.58	200.00
2015.000	2640.00	68.27	.54	1.01	.00	353.21	200.00
2015.000	4300.00	69.46	1.20	1.01	.00	481.16	200.00
2115.000	1080.00	65.45	.00	.65	.00	278.25	100.00
2115.000	2120.00	68.43	1.98	.70	.00	405.30	100.00
2115.000	2640.00	68.95	.52	.69	.00	438.78	100.00
2115.000	4300.00	70.10	1.15	.64	.00	636.37	100.00
2169.000	1080.00	66.39	.00	-.06	.00	35.01	54.00
2169.000	2120.00	68.15	1.76	-.28	.00	35.01	54.00
2169.000	2640.00	68.53	.38	-.43	.00	35.01	54.00
2169.000	4300.00	68.99	.47	-1.11	.00	35.01	54.00
2170.000	1080.00	66.33	.00	-.06	.00	290.89	1.00
2170.000	2120.00	67.99	1.65	-.16	.00	406.36	1.00
2170.000	2640.00	68.27	.29	-.25	.00	428.50	1.00
2170.000	4300.00	69.00	.73	.01	.00	477.53	1.00
2260.000	1080.00	66.75	.00	.42	.00	320.33	90.00
2260.000	2120.00	68.83	2.08	.84	.00	465.32	90.00
2260.000	2640.00	69.57	.74	1.30	.00	517.26	90.00
2260.000	4300.00	73.12	3.55	4.12	.00	569.49	90.00
2261.000	1080.00	66.92	.00	-.17	.00	35.00	1.00
2261.000	2120.00	69.26	2.34	.43	.00	35.00	1.00
2261.000	2640.00	70.17	.91	.60	.00	35.00	1.00
2261.000	4300.00	74.70	4.53	1.58	.00	35.00	1.00
2325.000	1080.00	67.32	.00	.41	.00	335.94	64.00
2325.000	2120.00	70.20	2.88	.94	.00	536.84	64.00
2325.000	2640.00	71.38	1.18	1.21	.00	556.48	64.00
2325.000	4300.00	76.20	4.82	1.50	.00	682.87	64.00
2422.000	1080.00	67.41	.00	-.09	.00	45.60	97.00
2422.000	2120.00	70.15	2.74	-.05	.00	45.60	97.00
2422.000	2640.00	71.28	1.13	-.10	.00	45.60	97.00
2422.000	4300.00	76.12	4.84	-.08	.00	725.93	97.00

SECHO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
2448.000	1080.00	67.44	.00	.03	.00	46.03	26.00
2448.000	2120.00	70.51	3.07	.36	.00	46.03	26.00
2448.000	2640.00	72.01	1.49	.72	.00	46.03	26.00
2448.000	4300.00	76.36	4.35	.24	.00	822.37	26.00
2492.000	1080.00	67.70	.00	.26	.00	192.34	44.00
2492.000	2120.00	70.98	3.28	.46	.00	336.49	44.00
2492.000	2640.00	72.55	1.58	.35	.00	479.81	44.00
2492.000	4300.00	76.49	3.94	.13	.00	817.65	44.00
4145.000	1080.00	71.92	.00	4.22	.00	210.66	1631.00
4145.000	2120.00	73.87	1.95	2.90	.00	332.78	1631.00
4145.000	2640.00	74.79	.92	2.24	.00	389.83	1631.00
4145.000	4300.00	77.61	2.82	1.12	.00	439.37	1631.00





LAST CROSS SECTION FOR BRIDGE #1, SR 18

BT	.000	5252.000	85.890	85.000	5294.000	90.000	90.000	90.900	90.900
BT	.000	5435.000	95.000	93.540	5493.000	97.900	95.000	100.000	96.910
BT	.000	5603.000	100.000	100.000	.000	.000	.000	.000	.000
GR	100.000	3723.000	95.000	3723.000	90.000	3651.000	85.000	80.000	3975.000
GR	80.000	4015.000	75.000	4583.000	70.000	4601.000	65.820	63.100	4999.990
GR	63.100	5000.000	61.530	5001.000	61.530	5001.010	59.290	59.500	5009.500
GR	59.230	5011.000	59.230	5011.010	58.850	5012.000	58.850	58.750	5017.000
GR	58.900	5022.000	58.900	5022.010	59.500	5023.000	59.500	63.190	5028.000
GR	58.900	5033.000	64.500	5033.010	64.760	5034.000	65.020	70.000	5148.000
GR	75.000	5166.000	80.000	5184.000	83.750	5225.000	85.000	90.000	5294.000
GR	90.900	5330.000	93.540	5435.000	95.000	5493.000	96.910	100.000	5603.000
NH	5.000	.180	4798.000	.150	5000.000	.046	5035.000	.150	5166.000
NH	5603.000	.000	.000	.000	.000	.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	.000	9.100	5000.000	5035.000
ET	2260.000	.000	.000	.000	90.000	90.000	90.000	.000	.000
X1	.000	.000	.000	.000	.000	.000	1.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	1.000	.000	.000
NH	5.000	.180	4798.000	.150	5000.000	.046	5035.000	.150	5166.000
NH	5603.000	.000	.000	.000	.000	.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	.000	10.410	.000	.000
ET	2261.000	.000	.000	.000	1.000	1.000	1.000	.000	.000
X1	.000	.000	.000	.000	.000	.000	.000	.000	.000
X3	19.000	.000	.000	.000	.000	.000	.000	76.260	.000
NH	5.000	100.000	4731.000	.180	5000.000	.046	5035.000	.150	5166.000
NH	5403.000	.000	.000	.000	.000	.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	.000	9.100	4975.000	5035.000

LAST CROSS SECTION FOR BRIDGE #1, SR 18

FIRST CROSS SECTION FOR BRIDGE #2, SR 13A

X1	2325.000	.000	67.590	.000	102.000	53.000	64.000	.000	.350	.000
X4	1.000	.000	4731.000	.000	.000	.000	.000	.000	.000	.000
NH	5.000	100.000	4810.500	.180	5000.400	.046	5046.000	.150	5245.500	100.000
NH	5650.500	.000	.000	.000	.000	.000	.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	.000	10.410	.000	.000	.000
X1	2422.000	30.000	5000.400	.000	140.000	75.000	97.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
X4	3.000	75.000	4810.500	74.713	5145.500	82.850	5245.500	.000	.000	.000
GR	100.000	3974.500	95.000	4033.590	50.000	4088.500	85.000	80.000	4260.500	
GR	75.000	4480.500	75.000	4980.500	70.000	4989.500	66.290	65.930	5001.410	
GR	60.760	5016.000	60.760	5016.010	60.350	5017.000	60.340	59.930	5018.000	
GR	59.580	5024.000	59.450	5029.500	59.450	5030.010	59.440	59.540	5031.000	
GR	59.540	5031.010	59.930	5033.000	60.510	5036.000	62.280	62.470	5046.000	
GR	80.000	5188.500	85.000	5288.500	90.000	5360.500	95.000	100.000	5650.500	



NH	5.000	100.000	4810.500	.180	4999.990	.055	5046.020	.180	5145.500	100.000
NH	5511.500	.000	.000	.000	.000	.000	.000	.000	.000	.000
SB	1.250	1.560	2.600	.000	28.130	2.000	378.000	.859	59.440	59.440

BRIDGE #2, SR 18A

X1	2448.000	35.000	4999.990	5046.020	26.000	26.000	26.000	.000	.000	.000
X2	.000	.000	1.000	70.140	.000	.000	.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	72.310	72.340	.000
X4	3.000	72.710	4810.500	65.900	5145.500	69.350	5245.500	.000	.000	.000
BT	-34.000	4090.500	86.900	85.000	4180.000	85.000	82.200	4250.500	82.930	80.000
BT	.000	4350.000	80.000	79.320	4999.500	72.320	70.000	4999.990	72.310	66.290
BT	.000	5000.000	72.310	70.110	5000.010	75.030	70.110	5000.400	75.030	70.110
BT	.000	5001.400	75.030	70.110	5001.410	75.030	70.110	5016.000	75.010	70.120
BT	.000	5018.000	75.010	60.760	5017.000	75.010	60.350	5017.010	70.120	70.146
BT	.000	5018.000	75.010	70.120	5024.000	75.020	70.130	5030.000	75.020	70.146
BT	.000	5030.010	75.020	59.450	5030.500	75.020	59.440	5031.000	75.020	59.540
BT	.000	5031.010	75.020	70.140	5033.000	75.030	70.140	5036.000	75.040	70.146
BT	.000	5045.000	75.080	70.140	5046.000	75.080	70.140	5046.010	72.340	70.146
BT	.000	5046.020	72.340	62.470	5191.010	80.000	67.470	5264.500	83.680	70.000
BT	.000	5291.010	85.000	71.250	5370.500	86.690	75.000	5400.500	87.330	80.000
BT	.000	5511.500	89.690	85.000	.000	.000	.000	.000	.000	.000
GR	85.000	4090.500	82.200	4180.000	80.000	4250.500	79.320	4350.000	70.000	4999.500
GR	66.290	4999.990	65.290	5000.000	66.290	5000.010	66.290	5000.400	65.930	5001.400
GR	65.930	5001.410	60.760	5016.000	5016.010	5016.010	60.350	5017.000	60.340	5017.010
GR	59.950	5018.000	59.580	5024.000	5029.500	5029.500	59.450	5030.000	59.450	5030.010
GR	59.440	5030.500	59.540	5031.000	5031.010	5031.010	59.930	5033.000	60.510	5036.000
GR	62.280	5045.000	62.470	5046.000	62.470	5046.010	62.470	5046.020	67.470	5191.010
GR	70.000	5264.500	71.250	5291.010	75.000	5370.500	80.000	5400.500	85.000	5511.500
NH	6.000	.150	4810.500	.120	4999.990	.055	5046.020	.120	5145.500	.140
NH	5345.500	100.000	5511.500	.000	.000	.000	.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	.000	9.100	.000	4995.000	5048.000

LAST CROSS SECTION FOR BRIDGE #2, SR 18A

X1	2492.000	.000	.000	.000	44.000	44.000	44.000	.000	.190	.000
X4	1.000	74.010	5345.500	.000	.000	.000	.000	.000	.000	.000
NC	.100	.100	.050	.100	.300	.000	.000	.000	.000	.000
NH	5.000	.150	5140.000	.120	5315.000	.055	5350.000	.120	5455.000	.140
NH	5533.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
ET	.000	.000	.000	.000	.000	.000	9.100	.000	5260.000	5406.000

CROSS SECTION GRB

X1	4145.000	18.000	5315.000	5350.000	1583.000	1705.000	1631.000	.000	.000	.000
X4	2.000	75.290	5140.000	74.170	5455.000	.000	.000	.000	.000	.000
GR	85.000	5000.000	80.000	5020.000	75.000	5070.000	70.000	5275.000	70.800	5315.000
GR	66.000	5319.000	65.600	5320.500	65.400	5323.000	65.000	5326.000	65.200	5331.000
GR	65.400	5336.000	65.600	5339.500	66.700	5340.000	71.200	5350.000	70.000	5365.000
GR	75.000	5473.000	80.000	5493.000	85.000	5533.000	.000	.000	.000	.000

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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

GREASY CREEK

SUMMARY PRINTOUT TABLE 110

SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
1815.000	67.28	-12.40	67.83	358.63	566.06	1766.32	307.63	.00	.00	5451.50	5478.00	.00
1815.000	67.28	.00	67.91	217.00	475.22	1839.78	325.00	217.00	5350.00	5451.50	5478.00	5567.00
2015.000	68.27	.00	68.85	353.64	550.04	1785.46	304.50	.00	.00	5451.50	5478.00	.00
2015.000	68.24	-.04	69.44	86.00	179.76	2280.57	179.67	86.00	5415.00	5451.50	5478.00	5501.00
2115.000	68.96	.00	69.04	438.97	1441.69	1066.86	131.44	.00	.00	5000.00	5035.00	.00
2115.000	69.45	.49	69.88	90.00	418.53	2050.56	170.91	90.00	4970.00	5000.00	5035.00	5060.00
2169.000	68.53	.00	69.95	35.01	.00	2640.00	.00	.00	.00	5000.00	5035.00	.00
2169.000	69.30	.77	70.48	35.00	.00	2640.00	.00	.00	5000.00	5000.00	5035.00	5035.00
2170.000	68.28	.00	70.23	426.74	.00	2640.00	.00	.00	.00	5000.00	5035.00	.00
2170.000	69.15	.87	70.65	35.00	.00	2640.00	.00	.59	5000.00	5000.00	5035.00	5035.00
2260.000	69.57	.00	71.01	517.35	.00	2640.00	.00	.00	.00	5000.00	5035.00	.00
2260.000	70.14	.57	71.35	35.00	.00	2640.00	.00	35.00	5000.00	5000.00	5035.00	5035.00
2261.000	70.17	.00	71.15	35.00	.00	2640.00	.00	.00	.00	5000.00	5035.00	.00
2261.000	70.54	.37	71.44	35.00	.00	2640.00	.00	.00	5000.00	5000.00	5035.00	5035.00
2325.000	71.38	.00	71.48	554.48	1115.45	1299.06	225.48	.00	.00	5000.00	5035.00	.00
2325.000	71.06	-.32	71.71	60.00	257.89	2382.10	.00	60.00	4975.00	5000.00	5035.00	5035.00
2422.000	71.28	.00	71.82	45.60	.00	2640.00	.00	.00	.00	5000.40	5046.00	.00
2422.000	71.42	.14	71.94	45.60	.00	2640.00	.00	.00	5000.40	5000.40	5046.00	5046.00
2448.000	72.01	.00	72.47	46.03	.00	2640.00	.00	.00	.00	4999.99	5046.02	.00
2448.000	72.15	.14	72.60	46.03	.00	2640.00	.00	.33	4999.99	4999.99	5046.02	5046.02
2492.000	72.55	.00	72.62	479.88	57.28	1374.90	1207.82	.00	.00	4999.99	5046.02	.00
2492.000	72.23	-.32	72.68	53.00	6.53	2619.69	13.78	53.00	4995.00	4999.99	5046.02	5048.00

SECHO	CUSEL	DIFKNS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
4145.000	74.79	.00	75.00	389.84	856.84	1396.76	386.41	.00	.00	5315.00	5350.00	.00
4145.000	75.77	.98	76.06	146.00	521.34	1663.88	454.77	146.00	5260.00	5315.00	5350.00	5406.00

FLOODWAY DATA, GREASY CREEK  
PROFILE NO. 2

STATION	FLOODWAY WIDTH	FLOODWAY SECTION AREA	MEAN VELOCITY	WATER SURFACE ELEVATION		
				WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
1815.000	217.	663.	4.0	67.3	67.3	.0
2015.000	86.✓	408.	6.5	68.3	68.3	.0
2115.000	90.	676.	3.9	69.5	69.0	.5
2169.000	35.	302.	8.7	69.3	68.5	.8
2170.000	35.	269.	9.8	69.2	68.3	.9
2260.000	35.	299.	8.8	70.2	69.6	.6
2261.000	35.	346.	7.6	70.6	70.2	.4
2325.000	60.	538.	4.9	71.2	71.4	-.2
2422.000	46.	455.	5.8	71.4	71.3	.1
2448.000	46.	491.	5.4	72.1	72.0	.1
2492.000	53.	315.	5.1	72.4	72.6	-.2
4145.000	146.✓	890.	3.0	75.8	74.8	1.0

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FLOODWAY DATA, GUNPOWDER CREEK  
PROFILE NO. 2

STATION	WIDTH	FLOODWAY SECTION AREA	MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WATER SURFACE ELEVATION WITHOUT FLOODWAY	DIFFERENCE
A 66010.000	97.0	1119.	6.7	116.0	115.0	1.0
67950.600	100.	1011.	7.5	120.1	119.3	.8
69322.000	100.	967.	7.8	123.8	123.4	.4
71068.000	100.	1079.	7.0	128.8	128.6	.2
71069.000	100.	1010.	7.5	129.0	129.0	.0
71071.000	100.	1016.	7.4	129.0	129.0	.0
71072.000	110.	1145.	6.6	129.0	128.9	.1
71165.000	110.	1147.	6.6	129.3	129.2	.1
72230.000	116.	1635.	4.6	131.6	131.3	.3
72410.000	149.	714.	10.5	132.4	131.8	.6
72550.000	110.	818.	9.2	134.2	134.2	.0
72579.000	110.	554.	13.6	133.6	133.5	.1
72580.000	110.	572.	13.2	134.0	134.0	.0
72581.000	110.	740.	10.2	135.5	135.7	-.2
72582.000	110.	776.	9.7	135.6	135.7	-.1
72700.000	110.	937.	8.0	137.0	137.3	-.3
73062.000	104.	1003.	7.5	139.7	139.2	.5
73269.000	110.	1111.	6.8	140.7	140.3	.4
73292.000	128.	1525.	4.9	143.0	142.7	.3
73343.000	123.	1385.	5.4	143.0	142.7	.3
75990.000	145.	1546.	4.9	148.2	147.8	.4
76279.000	87.	835.	9.0	150.8	150.3	.5
76888.000	92.	1011.	7.5	154.0	153.8	.2
76889.000	92.	935.	8.1	153.9	153.7	.2
76931.000	93.	952.	7.9	154.1	153.9	.2
76932.000	93.	1043.	7.2	154.2	154.1	.1
76943.000	91.	1067.	7.1	154.3	154.2	.1
76944.000	91.	995.	7.6	154.3	154.2	.1
76977.000	92.	1005.	7.5	154.4	154.3	.1
76978.000	92.	1088.	6.9	154.6	154.5	.1
77128.000	91.	1059.	7.1	154.9	154.8	.1
77160.000	125.	1538.	4.9	155.2	155.1	.1
77161.000	125.	1512.	5.0	155.3	155.2	.1
77162.000	125.	1512.	5.0	155.3	155.2	.1
77162.000	125.	1553.	4.9	155.3	155.2	.1
77211.000	125.	1548.	4.9	155.4	155.3	.1
77960.000	130.	1665.	4.5	156.5	156.4	.1
78171.000	130.	1631.	4.6	156.8	156.7	.1
78172.000	130.	1618.	4.7	156.8	156.7	.1
78179.000	130.	1619.	4.7	156.8	156.7	.1
78180.000	130.	1633.	4.6	156.8	156.7	.1
78332.000	130.	1634.	4.6	156.9	156.8	.1

53

FLOODWAY DATA, GUNPOUNDER CREEK  
 PROFILE NO. 2

STATION	WIDTH	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		DIFFERENCE
		SECTION AREA	AREA		WITH FLOODWAY	WITHOUT FLOODWAY	
78621.000	143.	1170.		6.4	157.5	157.3	.2
78798.000	145.	1230.		6.1	158.0	157.9	.1
78799.000	145.	1147.		6.6	158.2	158.0	.2
78801.000	145.	1149.		6.6	158.2	158.0	.2
78802.000	145.	1241.		6.1	158.2	158.0	.2
78845.000	144.	1216.		6.2	158.2	158.1	.1
79120.000	330.	3369.		2.2	159.5	159.4	.1
79259.000	330.	3149.		2.4	159.7	159.6	.1
79260.000	330.	3194.		2.4	159.9	159.8	.1
79261.000	330.	3193.		2.4	159.9	159.8	.1
79262.000	330.	3197.		2.4	159.8	159.7	.1
79296.000	330.	3152.		2.4	159.7	159.7	.0
79720.000	170. <i>VE</i>	1382.		5.4 <i>✓</i>	160.5	160.4	.1
81089.000	160.	1627.		4.6	163.8	163.5	.3
81308.000	160.	1651.		4.6	164.2	163.9	.3
81309.000	160.	1585.		4.8	164.3	164.0	.3
81311.000	160.	1585.		4.8	164.3	164.0	.3
81312.000	160.	1668.		4.5	164.3	164.0	.3
81366.000	160.	1616.		4.7	164.3	164.0	.3
81623.000	109.	1034.		7.3	164.7	164.5	.2
82056.000	108.	896.		8.4	166.5	166.4	.1
82057.000	109.	835.		9.0	166.4	166.3	.1
82083.000	109.	862.		8.7	166.7	166.6	.1
82084.000	109.	947.		8.0	167.0	166.9	.1
82192.000	109.	975.		7.7	167.6	167.5	.1
84070.000	172. <i>F</i>	1621.		4.6 <i>✓</i>	172.5	172.1	.4
86540.000	180.	1481.		5.1	180.5	179.9	.6
86583.000	180.	1522.		4.9	181.0	180.4	.6
86584.000	180.	1601.		4.7	181.7	181.1	.6
86596.000	180.	1622.		4.6	181.8	181.2	.6
86597.000	180.	1634.		4.6	181.6	181.0	.6
86677.000	180.	1637.		4.6	181.7	181.1	.6
86882.000	230.	2279.		2.1	182.6	182.0	.6
87029.000	230.	2184.		2.2	182.6	182.0	.6
87030.000	230.	2169.		2.2	182.7	182.1	.6
87031.000	230.	2169.		2.2	182.7	182.1	.6
87032.000	230.	2189.		2.2	182.7	182.1	.6
87067.000	230. <i>✓</i>	2175.		2.2 <i>✓</i>	182.7	182.1	.6
89810.000	250.	1814.		2.6 <i>✓</i>	186.5	186.0	.5
90573.000	250.	748.		6.3	189.6	189.2	.4
90806.000	250.	706.		6.7	191.2	190.8	.4
90844.000	250.	1018.		4.7	192.5	191.6	.9



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FLOODWAY DATA, GUNPOWDER CREEK  
PROFILE NO. 2

STATION	WIDTH	FLOODWAY SECTION AREA	MEAN VELOCITY	W:11H FLOODWAY	SURFACE ELEVATION WITHOUT FLOODWAY	DIFFERENCE
90902.000	250.	990.	4.8	192.7	191.8	.9
91660.000	203.4	1007.	4.7	195.4	194.9	.5
92568.000	140.	764.	6.2	199.2	199.1	.1
92703.000	140.	825.	5.8	200.2	200.2	.0
92704.000	140.	831.	5.7	200.9	201.0	-.1
92706.000	140.	832.	5.7	200.9	201.0	-.1
92707.000	140.	838.	5.3	200.9	200.8	.0
92708.000	140.	860.	5.5	200.9	200.9	.0
93440.000	140.	622.	7.6	205.5	205.3	.2
93511.000	140.	651.	7.3	206.3	205.9	.4
93512.000	140.	621.	7.6	206.3	206.1	.2
93513.000	140.	622.	7.6	206.3	206.1	.2
93514.000	140.	714.	6.6	206.8	206.6	.2
93522.000	140.	638.	7.4	206.6	206.6	.0
93523.000	225.	1106.	4.3	208.2	207.3	.9
93548.000	225.	1161.	4.1	208.5	207.7	.8
93549.000	225.	1263.	3.8	208.4	207.5	.9
93550.000	225.	1303.	3.6	208.6	207.8	.8
93551.000	225.	1304.	3.6	208.6	207.8	.8
93552.000	225.	1295.	3.7	208.5	207.7	.8
93568.000	225.	1265.	3.8	208.6	207.8	.8
94094.000	200.	1258.	3.8	210.3	209.8	.5
94169.000	200.	1231.	3.9	210.5	210.1	.4
94170.000	200.	1251.	3.8	210.6	210.2	.4
94171.000	200.	1252.	3.8	210.6	210.2	.4
94172.000	200.	1248.	3.8	210.6	210.2	.4
94199.000	200.	1238.	3.8	210.6	210.2	.4
94208.000	180.	1380.	3.4	211.0	210.8	.2
94269.000	180.	1344.	3.5	211.2	211.0	.2
94270.000	180.	1376.	3.5	211.4	211.2	.2
94271.000	180.	1376.	3.5	211.3	211.1	.2
94272.000	180.	1369.	3.5	211.4	211.2	.2
94286.000	180.	1364.	3.5	211.4	211.2	.2
95128.000	150.	428.	6.4	214.5	214.0	.5
95159.000	150.	415.	6.6	214.6	214.2	.4
95200.000	150.	561.	4.9	216.1	215.8	.3
95208.000	150.	581.	4.7	216.1	215.8	.3
95229.000	150.	807.	3.4	216.6	216.4	.2
95230.000	150.	811.	3.4	216.7	216.5	.2
95231.000	150.	814.	3.4	216.7	216.5	.2
95232.000	150.	821.	3.3	216.7	216.5	.2
95256.000	150.	780.	3.5	216.7	216.5	.2

FLOODWAY DATA GUNPOWDER CREEK

PROFILE NO.

STATION	WIDTH	FLOODWAY SECTION AREA	MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WATER SURFACE ELEVATION WITHOUT FLOODWAY	DIFFERENCE
95730.000	182.	542.	5.1	219.3	219.2	.1
96512.000	180.	427.	6.4	231.8	231.6	.2
95587.000	177.	417.	6.6	233.0	232.9	.1
96632.000	20.	203.	13.5	232.2	231.9	.3
96651.000	86.	446.	6.1	234.6	235.0	-.4
96957.000	110.	464.	5.9	236.5	236.3	.2
97002.000	110.	424.	6.5	236.7	236.5	.2
97037.000	150.	750.	3.8	238.8	238.4	.4
97053.000	150.	658.	4.2	238.8	238.4	.4
97580.000	150.	386.	7.1	244.5	244.6	-.1
97641.000	150.	379.	7.2	245.6	245.7	-.1
97689.000	150.	407.	6.7	246.0	246.0	.0
97704.000	150.	405.	6.8	246.3	246.3	.0
98200.000	170.	718.	3.8	252.1	251.6	.5
98219.000	170.	667.	4.1	252.3	251.8	.5
98220.000	170.	555.	4.9	252.8	252.6	.2
98260.000	170.	742.	3.7	254.1	253.6	.5
98261.000	170.	964.	2.8	254.0	253.5	.5
98265.000	170.	915.	3.0	254.0	253.5	.5
99161.000	200.	575.	4.8	259.5	259.3	.2
99206.000	200.	480.	5.7	259.9	259.9	.0
99253.000	200.	551.	5.0	260.3	260.4	-.1
99265.000	200.	518.	5.3	260.3	260.4	-.1
99366.000	15.	89.	9.9	261.3	261.2	.1
99393.000	11.	87.	10.0	262.0	262.0	.0
99606.000	11.	227.	3.8	273.4	273.4	.0
99615.000	46.	515.	1.7	273.7	273.7	.0
99657.000	350.	3931.	.2	273.8	273.7	.1
99760.000	350.	3238.	.3	273.8	273.7	.1
99761.000	350.	3169.	.3	273.8	273.7	.1
99769.000	350.	3169.	.3	273.8	273.7	.1
99773.000	350.	3239.	.3	273.8	273.7	.1
99795.000	350.	4408.	.2	273.8	273.7	.1
99805.000	280.	3685.	.2	273.8	273.7	.1
100285.000	190.	2055.	.4	273.8	273.7	.1
100413.000	110.	647.	1.4	273.8	273.7	.1
100480.000	90.	472.	1.9	273.9	273.8	.1
100481.000	90.	421.	2.1	273.9	273.8	.1
100489.000	90.	424.	2.1	274.0	273.9	.1
100490.000	90.	480.	1.8	274.0	273.9	.1
10056.000	90.	464.	1.9	274.0	273.9	.1
100643.000	90.	364.	2.4	274.2	274.1	.1

FLOODWAY DATA, GUNPOWDER CREEK  
 PROFILE NO. 2

STATION	WIDTH	FLOODWAY SECTION AREA	MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	ELEVATION WITHOUT FLOODWAY	DIFFERENCE
100698.000	90.	331.	2.6	274.3	274.2	.1
100699.000	77.	337.	2.6	274.5	274.4	.1
100701.000	90.	338.	2.6	274.5	274.4	.1
100702.000	90.	343.	2.5	274.5	274.4	.1
100715.000	90.	340.	2.6	274.5	274.4	.1
100773.000	90.	209.	4.2	274.7	274.6	.1
100788.000	90.	212.	4.1	274.8	274.7	.1
100789.000	90.	179.	4.9	274.7	274.6	.1
100792.000	90.	185.	4.7	274.8	274.7	.1
100793.000	90.	240.	3.6	275.1	275.0	.1
100796.000	90.	214.	4.1	275.1	275.0	.1
100823.000	90.	165.	5.3	275.2	275.1	.1
100836.000	90.	247.	3.5	276.1	275.6	.5
100861.000	90.	232.	3.8	276.2	275.7	.5
101187.000	19.	77.	11.4	278.9	278.9	.0
101210.000	87.	106.	8.2	280.5	280.5	.0
101249.000	90.	258.	3.4	282.9	282.2	.7
101255.000	90.	245.	3.6	282.8	282.1	.7
101276.000	90.	414.	2.1	283.1	282.6	.5
101299.000	90.	322.	2.7	283.1	282.5	.6
101300.000	90.	270.	3.2	283.1	282.6	.5
101330.000	90.	288.	3.0	283.2	282.7	.5
101331.000	90.	340.	2.6	283.3	282.7	.6
101336.000	90.	301.	2.9	283.3	282.7	.6
101356.000	90.	356.	2.5	283.5	282.9	.6
101379.000	90.	281.	3.1	283.5	282.9	.6
101380.000	90.	258.	3.4	283.5	283.0	.5
101420.000	90.	284.	3.1	283.8	283.3	.5
101421.000	90.	308.	2.8	283.8	283.3	.5
101426.000	90.	268.	3.3	283.8	283.3	.5
101910.000	90.	114.	7.6	290.0	290.1	-.1