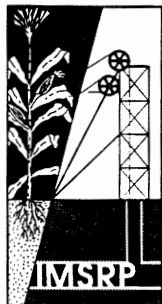


Appendixes to the Final Report of Subsidence Investigations at the Galatia Site, Saline County, Illinois



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Illinois Mine Subsidence Research Program

Cooperating agencies

ILLINOIS STATE GEOLOGICAL SURVEY
Department of Natural Resources

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APPENDIXES

These appendixes contain data collected at the Saline County overburden monitoring site as part of the Illinois Mine Subsidence Research Program (IMSRP). This document is supplementary to the *Final Report of Subsidence Investigations at the Galatia Site, Saline County, Illinois* (IMSRP-XI). Surveys, calculations, logs, laboratory test results, measurements, and graphs are included here. The main report, IMSRP-XI, contains background information, data collection methods, and analysis of the results.

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The complete reference to IMSRP-XI is as follows:

Van Roosendaal, D.J., B.B. Mohnert, N. Kawamura, and P.J. DeMaris, 1997, Final Report of Subsidence Investigations at the Galatia Site, Saline County, Illinois: Illinois State Geological Survey, Illinois Mine Subsidence Research Program XI, 59 p.



APPENDIX A Total Station Data

SAULNE COUNTY -- GALATIA SITE
 PANEL 1 -- TRANSVERSE & LONGITUDINAL LINES
 TOTAL STATION DATA
 NOVEMBER 30, 1989 5:50PM

SURVEY BY DFB AND JTK

STATION	NORTHING (FT)	EASTING (FT)	ELEVATION (FT)	
KM	423908.772	431127.549	428.629	Code KM near centerline
C1	425000.398	431119.914	430.060	
C1	425000.330	431119.790	430.125	Code BS IS C1
100	424700.272	431120.087	431.435	
100	424700.271	431120.146	431.399	Code ISGS M100
101	424640.181	431120.199	431.271	
102	424600.180	431120.190	431.318	
103	424560.142	431120.077	430.946	
104	424540.202	431119.882	430.872	
105	424520.271	431119.963	430.944	
106	424498.521	431119.760	430.965	
107	424480.231	431119.758	430.825	
108	424458.590	431119.419	430.981	
109	424441.580	431119.960	430.824	
110	424420.311	431119.895	430.631	
111	424400.371	431119.896	430.604	
112	424380.342	431120.104	430.361	
113	424360.332	431120.203	430.292	
114	424340.351	431119.977	430.318	
115	424320.332	431120.019	430.179	
116	424300.261	431119.880	430.256	
117	424280.322	431119.786	430.038	
118	424260.272	431119.984	429.916	
119	424240.183	431119.719	429.947	
120	424240.212	431119.723	429.936	
121	424220.150	431119.899	430.021	
122	424200.352	431120.057	429.710	
123	424180.172	431119.882	429.653	
124	424160.239	431119.855	429.792	
125	424140.331	431119.796	429.576	
126	424120.269	431119.937	429.607	
127	424100.238	431119.959	429.530	
128	424080.409	431119.923	429.344	
129	424060.296	431119.998	429.331	
130	424040.490	431119.834	429.377	
131	424020.621	431119.862	429.377	
132	424000.290	431119.961	429.249	
133	423980.330	431119.790	429.448	
134	423960.543	431119.886	428.961	
135	423940.313	431120.062	428.973	
136	423920.328	431119.977	428.945	
137	423900.456	431119.833	429.001	
138	423880.461	431119.857	428.437	
139	423860.361	431119.913	428.342	
140	423840.290	431119.960	428.071	
141	423820.360	431119.968	427.943	
142	423800.360	431119.938	427.869	
143	423780.411	431119.932	427.288	
144	423760.324	431119.916	426.664	
145	423740.580	431119.871	425.768	
146	423720.497	431119.921	425.074	
147	423700.339	431119.975	424.715	
148	423680.260	431119.810	424.573	
149	423660.293	431119.937	424.208	

TSBSLIN.WK1
 FEB. 04, 1994 F

SALINE COUNTY -- GALATIA SITE
 PANEL 1 -- TRANSVERSE & LONGITUDINAL LINES
 TOTAL STATION DATA
 NOVEMBER 30, 1989 5:50PM SURVEY BY DFB AND JTK

STATION	NORTHING (FT)	EASTING (FT)	ELEVATION (FT)	
150	423640.313	431119.811	424.070	
151	423620.392	431120.008	424.008	
152	423600.562	431119.926	423.908	
153	423580.351	431120.042	423.907	
154	423560.419	431119.947	424.061	
155	423540.275	431119.816	424.396	
156	423520.322	431119.953	424.647	
157	423500.390	431119.925	424.921	
158	423480.257	431119.984	425.295	
159	423460.264	431119.835	425.926	
160	423440.513	431119.842	426.260	
161	423420.263	431119.939	426.266	
162	423400.403	431119.973	426.097	
163	423380.494	431119.938	425.936	
164	423340.402	431120.038	426.505	
165	423300.301	431119.978	426.629	
166	423260.396	431119.961	425.177	
C2	423230.255	431119.914	423.229	Code C2
167	423980.220	431139.802	429.060	
168	423980.427	431159.809	428.937	
169	423980.385	431179.806	428.732	
170	423980.361	431199.893	429.066	
171	423980.321	431219.710	428.130	
172	423980.325	431239.799	428.381	
173	423980.551	431259.840	428.272	
174	423980.349	431280.059	428.599	
175	423980.285	431299.839	428.569	
176	423980.365	431319.809	428.668	
177	423980.302	431339.928	428.850	
178	423980.331	431359.868	429.087	
179	423980.495	431379.728	428.923	
180	423980.342	431419.888	429.031	
181	423980.348	431460.068	429.220	
182	423980.326	431500.157	429.478	
DP3	423551.250	431127.132	425.536	
BP7	423556.638	431126.955	425.530	
DP2	423699.195	431122.986	426.108	
BP6	423705.922	431125.409	426.490	
DP1	424013.439	431287.145	428.698	
BP5	424013.498	431250.378	429.249	
TDR	424014.298	431221.734	429.852	
MPBXD	424013.532	431209.747	429.458	
MPBXS	424012.783	431178.773	429.061	
PUMP	424013.551	431152.164	430.793	
BP3	424112.259	431126.593	430.617	
89-22	424879.581	431077.138	431.724	
SPIKE	425000.145	431106.489	432.151	
DPC	425186.705	431122.902	429.573	
BPC	425192.014	431123.379	429.703	
TP178	423980.339	431317.680	427.802	
TP174	423979.894	431277.859	427.662	
TP176	423980.244	431237.480	427.978	
BP2	423968.405	431994.784	430.937	

TSBSLIN.WK1
 FEB. 04, 1994 F

SALINE COUNTY -- GALATIA SITE
 PANEL 1 -- LONGITUDINAL LINE
 TOTAL STATION DATA
 DEC. 14, 1989 9:30 AM

STATION	NORTHING (FT)	EASTING (FT)	ELEVATION (FT)
100	424700.271	421120.117	431.447 Theo ht 4.797 Code STN IS 100
103	424560.142	431120.077	430.94 Code BS IS 103
1080	424560.142	431120.077	430.946 TRGET ht 6.000
1	425000.371	431119.817	430.096 Code K-M Pt. C1

STATION	NORTHING (FT)	EASTING (FT)	ELEVATION (FT)
136	423980.321	431119.922	430.321
167	423980.205	431139.983	429.371
168	423980.417	431160.027	429.230
169	423980.374	431180.073	428.994
170	423980.347	431200.244	429.254
171	423980.304	431220.178	428.190
172	423980.333	431240.400	428.301
173	423980.558	431260.657	427.923
174	423980.333	431281.138	427.623
176	423980.335	431320.634	426.041
177	423980.302	431340.509	425.754
179	423980.474	431379.935	425.251
180	423980.272	431419.894	425.087
181	423980.259	431459.697	425.093
182	423980.140	431499.461	425.329
183	424560.163	431120.078	430.959

Code: SECOND SET TIME IS 3:35
 NOTE: HAD TO MAKE SLIGHT ADJUSTMENT FOR SECOND SET

STATION	NORTHING (FT)	EASTING (FT)	ELEVATION (FT)
21	425000.381	431119.807	430.154 Code K-M Pt. C1
133	423980.311	431119.981	429.455
167	423980.227	431140.027	428.997
168	423980.441	431160.089	428.825
169	423980.393	431180.160	428.545
170	423980.346	431200.322	428.776
171	423980.317	431220.332	427.710
172	423980.311	431240.623	427.675
173	423980.532	431260.872	427.144
174	423980.310	431281.154	426.728
176	423980.335	431320.465	425.256
177	423980.284	431340.335	425.050
179	423980.479	431379.791	424.680
180	423980.279	431419.821	424.577
181	423980.244	431459.683	424.606
182	423980.144	431499.463	424.859

SUB1214.WK1
 FEB. 08, 1994 Tu

SALINE COUNTY -- GALATIA SITE
 PANEL 1 -- LONGITUDINAL LINE
 TOTAL STATION DATA
 DEC. 18, 1989

STATION	NORTHING (FT)	EASTING (FT)	ELEVATION (FT)
100	424560.1420	431120.0770	430.9460
1	424860.2515	431119.8566	429.6513
101	424500.0554	431120.1639	430.7910
102	424460.0643	431120.1505	430.8340
103	424420.0223	431119.9985	430.4514
104	424400.0724	431119.8081	430.3971
105	424380.1623	431119.8942	430.4569
106	424358.3926	431119.6794	430.4720
107	424340.0924	431119.6807	430.3284
133	423840.2034	431119.8623	428.7798
167	423840.0909	431140.0274	428.2553
168	423840.3241	431160.3962	427.8133
169	423840.2760	431180.5732	427.1045
170	423840.2450	431200.7432	426.8186
171	423840.1664	431220.4887	425.3125
172	423840.1371	431240.4154	425.0409
173	423840.3115	431260.2351	424.5622
174	423840.1075	431280.1277	424.4975
175	423840.0365	431299.7213	424.0883
176	423840.1182	431319.4358	423.8413
177	423840.2227	431339.8387	423.9509

SUB1218.WK1
 DEC. 8, 1994 Tu

SALINE COUNTY -- GALATIA SITE
 PANELS 1 & 2 -- TRANSVERSE & LONGITUDINAL LINES
 TOTAL STATION DATA
 JUL. 25, 1990 DJV

STATION	NORTHING (FT)	EASTING (FT)	ELEVATION (FT)
100	424700.271	431120.117	431.417
103	424560.151	431120.039	430.908
101	424640.118	431120.203	431.202
102	424600.165	431120.177	431.234
104	424540.142	431119.856	430.79
105	424520.222	431119.933	430.855
106	424498.452	431119.712	430.865
107	424480.162	431119.722	430.704
108	424458.513	431119.396	430.863
109	424441.501	431119.935	430.701
110	424420.221	431119.828	430.483
111	424400.271	431119.848	430.445
112	424380.191	431120.026	430.201
114	424360.131	431120.106	430.108
115	424340.081	431119.883	430.068
116	424319.951	431119.929	429.876
117	424299.711	431119.772	429.817
118	424279.353	431119.513	429.247
119	424258.885	431119.501	428.615
120	424238.678	431119.182	427.927
121	424218.676	431119.244	427.248
122	424199.111	431119.262	426.239
123	424179.199	431119.031	425.718
124	424159.569	431118.909	425.568
125	424139.828	431118.792	425.242
126	424119.858	431118.871	425.182
P1 HINGE	424111.809	431125.59	426.204
127	424099.909	431118.901	425.053
128	424080.139	431118.864	424.845
129	424060.099	431118.895	424.762
130	424040.349	431118.783	424.812
131	424020.529	431118.872	424.755
132	424000.081	431118.913	424.188
PUMP HING	424013.792	431151.08	426.096
MPBX WEST	424012.528	431177.936	424.896
MPBX EAST	424013.888	431208.678	425.445
TDR	424014.104	431220.915	425.26
BP5	424013.312	431249.613	424.779
DP3	424013.198	431286.416	424.076
BP4	424013.57	431327.91	423.886
182	423980.094	431499.017	424.503
181	423980.169	431459.091	424.152
180	423980.185	431419.009	423.941
179	423980.429	431378.737	423.909

GLO72590.WK1
 FEB. 8, 1994 Tu

SALINE COUNTY -- GALATIA SITE
 PANELS 1 & 2 -- TRANSVERSE & LONGITUDINAL LINES
 TOTAL STATION DATA
 JUL 25, 1990 DJV

STATION	NORTHING (FT)	EASTING (FT)	ELEVATION (FT)
176	423980.276	431318.813	423.64
174	423980.254	431279.236	423.869
173	423980.431	431259.016	423.709
172	423980.204	431238.965	423.815
171	423980.262	431218.921	423.521
170	423980.342	431199.051	424.373
169	423980.375	431178.882	424.075
168	423980.38	431158.867	424.34
167	423980.179	431138.789	424.487
133	423980.331	431118.739	424.848
134	423960.533	431118.884	424.355
135	423940.382	431119.024	424.391
136	423920.432	431118.915	424.424
137	423900.611	431118.769	424.48
138	423880.704	431118.878	423.936
139	423860.623	431118.937	423.911
140	423840.774	431119.03	423.728
141	423821.003	431119.086	423.776
142	423801.302	431119.094	423.984
143	423781.632	431119.178	423.872
144	423761.712	431119.285	423.926
145	423742.042	431119.375	423.806
146	423721.663	431119.492	423.587
PIEZ	423706.684	431124.988	425.578
DP2	423700.066	431122.407	425.324
147	423701.302	431119.634	423.915
148	423680.94	431119.564	424.077
149	423660.761	431119.755	423.883
150	423640.671	431119.594	423.795
151	423620.671	431119.809	423.772
152	423600.811	431119.766	423.722
153	423580.591	431119.83	423.66
154	423560.619	431119.759	423.835
PIEZ	423556.969	431126.354	425.25
PIEZ	423551.622	431126.845	425.293
155	423540.467	431119.668	424.171
156	423520.516	431119.809	424.443
157	423500.574	431119.74	424.728
158	423480.422	431119.769	425.108
159	423460.439	431119.607	425.762
160	423440.678	431119.642	426.057
161	423420.438	431119.733	426.026
162	423400.559	431119.746	425.884

GLO72590.WK1
 FEB. 8, 1994 Tu

SALINE COUNTY -- GALATIA SITE
 PANEL 2 -- TRANSVERSE LINE
 TOTAL STATION DATA
 SEP. 23, 1990

THE POINTS ARE MOSTLY LOCATED OVER PANEL 2 WHICH WAS BEING
 UNDERMINED; THEREFORE, "DURING SUBSIDENCE".

STATION	NORTHING (FT)	EASTING (FT)	ELEVATION (FT)
73	422704.335	431119.699	421.074
66	422564.03	431119.492	419.196
660	422563.988	431119.492	419.216
67	422583.997	431119.221	419.569
68	422604.098	431119.625	419.815
69	422624.029	431119.549	419.829
1450	422640.7	431124.211	419.851
70	422644.104	431119.837	420.053
71	422664.03	431119.614	421.153
72	422683.962	431119.461	420.798
74	422724.18	431119.525	420.365
75	422744.148	431119.734	419.79
76	422764.214	431119.815	418.81
77	422784.101	431119.817	418.234
78	422804.287	431119.847	417.786
79	422824.063	431119.823	417.371
80	422844.33	431119.809	416.993
81	422864.18	431119.802	416.83
82	422884.197	431119.819	416.532
83	422896.228	431119.922	416.473
84	422916.295	431119.909	416.165
85	422936.268	431120.025	416.253
86	422956.32	431120.017	416.303
87	422976.38	431120.124	416.199
88	422996.53	431120.328	416.18
89	423016.541	431120.385	416.143
90	423036.491	431120.64	416.148
91	423056.372	431120.677	416.171
92	423076.284	431120.81	416.434
93	423096.217	431120.815	416.811
94	423116.199	431120.886	417.252
95	423136.012	431120.815	417.903
96	423156.003	431120.867	418.917
97	423176.003	431120.96	419.703
98	423204.789	431120.828	421.107
99	423220.386	431121.061	421.681
992	423240.39	431120.968	422.803
166	423260.34	431120.986	424.107
1652	423280.241	431120.99	425.185
165	423300.267	431121.043	425.619
1642	423320.319	431120.99	425.547
164	423340.301	431121.183	425.46
1632	423360.254	431120.87	425.299
163	423380.257	431120.991	425.044
162	423400.125	431120.918	425.386
161	423420.023	431120.79	425.772
160	423440.332	431120.617	425.938
159	423460.145	431120.477	425.736
158	423480.19	431120.535	425.158
157	423500.364	431120.495	424.811
156	423520.356	431120.515	424.541
155	423540.318	431120.393	424.348
154	423560.501	431120.506	423.945
153	423580.472	431120.55	423.838
6600	422563.988	431119.484	418.224

TRANS1.WK1
 FEB. 10, 1994 Th

APPENDIX B Longitudinal and Transverse Surveys and Subsidence Calculations

SALINE COUNTY -- GALATIA SITE -- PANEL 1
 BASELINE -- TRANSVERSE & LONGITUDINAL LINES
 DATE: 11/01/89
 INSTRUMENT: NA-2 WILD TO LEVEL

MONUMENT #		ROD READING (METERS)		METERS	FEET	ELEVATION (FEET)
E145		1.45471		1.45471	4.77261	419.8250
1	2.21314	1.15025	1.06276	2.21314	7.26087	417.3367
2	0.75654	2.68151	-1.92510	1.81930	5.96876	418.6289
C2		1.29296		0.43062	1.41278	423.1848
166		0.69795		-0.16439	-0.53933	425.1369
165		0.25141		-0.61093	-2.00434	426.6019
164	0.29142	1.77828	-1.48699	-0.57092	-1.87307	426.4707
163		1.95703		-0.39230	-1.28705	425.8847
162		1.9064		-0.44293	-1.45316	426.0508
161		1.85601		-0.49332	-1.61848	426.2161
160		1.85256		-0.49677	-1.62980	426.2274
159		1.94978		-0.39955	-1.31084	425.9085
158		2.14474		-0.20459	-0.67121	425.2688
157		2.25727		-0.09206	-0.30203	424.8996
156		2.34538		-0.00395	-0.01296	424.6106
155		2.42097		0.07164	0.23504	424.3626
154	2.52479	1.69852	0.82614	0.17546	0.57565	424.0220
DP3		1.25208		-0.27111	-0.88945	425.4871
DP7		1.25213		-0.27106	-0.88929	425.4869
153		1.74226		0.21907	0.71873	423.8789
152		1.73764		0.21445	0.70357	423.8940
151		1.71114		0.18795	0.61663	423.9810
150		1.69103		0.16784	0.55065	424.0470
149		1.65076		0.12757	0.41854	424.1791
148		1.53679		0.01360	0.04462	424.5530
147		1.49488		-0.02831	-0.09287	424.6905
DP2		1.07347		-0.44972	-1.47544	426.0730
BP6		0.95684		-0.56635	-1.85808	426.4557
146		1.38579		-0.13740	-0.45078	425.0484
145	1.17418	1.94077	-0.76672	-0.34901	-1.14503	425.7426
144		1.66745		-0.62246	-2.04216	426.6398
143		1.47756		-0.81235	-2.66515	427.2628
142		1.29948		-0.99043	-3.24940	427.8470
141		1.27707		-1.01284	-3.32292	427.9205
140		1.23924		-1.05067	-3.44703	428.0446
139	1.15375	1.65484	-0.50122	-1.13616	-3.72751	428.3251
138		1.62465		-1.16648	-3.82698	428.4246
137		1.45495		-1.33618	-4.38373	428.9813
136		1.47169		-1.31944	-4.32881	428.9264
135		1.46229		-1.32884	-4.35965	428.9573
134		1.4646		-1.32653	-4.35207	428.9497
133		1.31271		-1.47842	-4.85039	429.4480
167		1.43498		-1.35615	-4.44925	429.0469
168		1.47315		-1.31798	-4.32402	428.9216
169		1.53525		-1.25588	-4.12028	428.7179
170	1.43346	1.32198	0.11135	-1.35767	-4.45424	429.0518
171		1.60616		-1.07362	-3.52232	428.1199
172		1.53045		-1.14933	-3.77071	428.3683
173		1.5624		-1.11738	-3.66589	428.2635
174		1.46208		-1.21770	-3.99502	428.5926
175		1.47251		-1.20727	-3.96080	428.5584
176		1.44156		-1.23822	-4.06234	428.6600
177		1.38525		-1.29453	-4.24708	428.8447
178		1.31319		-1.36659	-4.48350	429.0811
179	1.36031	0.83248	0.52770	-1.31947	-4.32891	428.9265
180		0.79242		-1.35966	-4.46076	429.0584
181		0.72538		-1.42670	-4.68071	429.2783
182		0.62309		-1.52899	-5.01630	429.6139
BP4		0.88668		-1.26540	-4.15151	428.7491
DP1		0.91928		-1.23280	-4.04456	428.6422
BP5	0.74307	1.33393	-0.59099	-1.40901	-4.62267	429.2203
TDR		1.14798		-1.59509	-5.23316	429.8308

PNL1BSLN.WK1
 FEB. 16, 1994 W

SALINE COUNTY -- GALATIA SITE -- PANEL 1
 BASELINE -- TRANSVERSE & LONGITUDINAL LINES
 DATE: 11/01/89
 INSTRUMENT: NA-2 WILD TO LEVEL

MONUMENT #		ROD READING (METERS)		METERS	FEET	ELEVATION (FEET)
E145		1.45471		1.45471	4.77261	419.8250
1	2.21314	1.15025	1.06276	2.21314	7.26087	417.3367
2	0.75654	2.68151	-1.92510	1.81930	5.96876	418.6289
C2		1.29296		0.43062	1.41278	423.1848
166		0.69795		-0.16439	-0.53933	425.1369
165		0.25141		-0.61093	-2.00434	426.6019
164	0.29142	1.77828	-1.48699	-0.57092	-1.87307	426.4707
163		1.95703		-0.39230	-1.28705	425.8847
162		1.9064		-0.44293	-1.45316	426.0508
161		1.85601		-0.49332	-1.61848	426.2161
160		1.85256		-0.49677	-1.62980	426.2274
159		1.94978		-0.39955	-1.31084	425.9085
158		2.14474		-0.20459	-0.67121	425.2688
157		2.25727		-0.09206	-0.30203	424.8996
156		2.34538		-0.00395	-0.01296	424.6106
155		2.42097		0.07164	0.23504	424.3626
154	2.52479	1.69852	0.82614	0.17546	0.57565	424.0220
DP3		1.25208		-0.27111	-0.88945	425.4871
DP7		1.25213		-0.27106	-0.88929	425.4869
153		1.74226		0.21907	0.71873	423.8789
152		1.73764		0.21445	0.70357	423.8940
151		1.71114		0.18795	0.61663	423.9810
150		1.69103		0.16784	0.55065	424.0470
149		1.65076		0.12757	0.41854	424.1791
148		1.53679		0.01360	0.04462	424.5530
147		1.49488		-0.02831	-0.09287	424.6905
DP2		1.07347		-0.44972	-1.47544	426.0730
BP6		0.95684		-0.56635	-1.85808	426.4557
146		1.38579		-0.13740	-0.45078	425.0484
145	1.17418	1.94077	-0.76672	-0.34901	-1.14503	425.7426
144		1.66745		-0.62246	-2.04216	426.6398
143		1.47756		-0.81235	-2.66515	427.2628
142		1.29948		-0.99043	-3.24940	427.8470
141		1.27707		-1.01284	-3.32292	427.9205
140		1.23924		-1.05067	-3.44703	428.0446
139	1.15375	1.65484	-0.50122	-1.13616	-3.72751	428.3251
138		1.62465		-1.16648	-3.82698	428.4246
137		1.45495		-1.33618	-4.38373	428.9813
136		1.47169		-1.31944	-4.32881	428.9264
135		1.46229		-1.32884	-4.35965	428.9573
134		1.4646		-1.32653	-4.35207	428.9497
133		1.31271		-1.47842	-4.85039	429.4480
167		1.43498		-1.35615	-4.44925	429.0469
168		1.47315		-1.31798	-4.32402	428.9216
169		1.53525		-1.25588	-4.12028	428.7179
170	1.43346	1.32198	0.11135	-1.35767	-4.45424	429.0518
171		1.60616		-1.07362	-3.52232	428.1199
172		1.53045		-1.14933	-3.77071	428.3683
173		1.5624		-1.11738	-3.66589	428.2635
174		1.46208		-1.21770	-3.99502	428.5926
175		1.47251		-1.20727	-3.96080	428.5584
176		1.44156		-1.23822	-4.06234	428.6600
177		1.38525		-1.29453	-4.24708	428.8447
178		1.31319		-1.36659	-4.48350	429.0811
179	1.36031	0.83248	0.52770	-1.31947	-4.32891	428.9265
180		0.79242		-1.35966	-4.46076	429.0584
181		0.72538		-1.42670	-4.68071	429.2783
182		0.62309		-1.52899	-5.01630	429.6139
BP4		0.88668		-1.26540	-4.15151	428.7491
DP1		0.91928		-1.23280	-4.04456	428.6422
BP5	0.74307	1.33393	-0.59099	-1.40901	-4.62267	429.2203
TDR		1.14798		-1.59509	-5.23316	429.8308

PNL1BSLN.WK1
 FEB. 16, 1994 W

SALINE COUNTY -- GALATIA SITE -- PANEL 1
 BASELINE -- TRANSVERSE & LONGITUDINAL LINES
 DATE: 11/02/89
 INSTRUMENT: NA-2 WILD TO LEVEL

MONUMENT #		ROD READING (METERS)		METERS	FEET	ELEVATION (FEET)
E145		1.16641		1.16641	3.82676	419.8250
1	1.89365	1.21098	0.68257	1.89365	6.21269	417.4391
2	1.10664	2.71212	-1.60558	1.78921	5.87003	417.7817
C2		1.06697		0.14395	0.47228	423.1795
166		0.47139		-0.45163	-1.48169	425.1335
165	0.02448	1.70455	-1.68017	-0.89854	-2.94792	426.5997
164		1.74348		-0.85971	-2.82053	426.4723
163		1.82356		-0.67963	-2.22973	425.8815
162		1.87171		-0.73148	-2.39984	426.0516
161		1.82218		-0.78101	-2.56233	426.2141
160		1.81817		-0.78502	-2.57549	426.2272
159		1.81599		-0.68720	-2.25456	425.9063
158		2.11103		-0.49216	-1.61468	425.2664
157		2.22395		-0.37924	-1.24421	424.8960
156		2.31332		-0.28987	-0.95100	424.6028
155	2.38858	1.72326	0.66522	-0.21461	-0.70409	424.3558
154		1.82574		-0.11223	-0.36821	424.0200
153		1.86887		-0.06910	-0.22671	423.8785
152		1.86508		-0.07289	-0.23914	423.8909
151		1.83756		-0.10041	-0.32943	423.9812
150		1.81745		-0.12052	-0.39541	424.0472
149		1.77719		-0.16078	-0.52749	424.1793
148		1.66387		-0.27410	-0.89927	424.5510
147		1.62183		-0.31614	-1.03720	424.6890
146		1.5125		-0.42547	-1.39589	425.0476
145		1.30193		-0.63604	-2.08673	425.7385
144		1.02808		-0.90989	-2.98517	426.6369
143	0.83782	1.89458	-1.15686	-1.10015	-3.60938	427.2611
142		1.81636		-1.27848	-4.19442	427.8462
141		1.79377		-1.30107	-4.26853	427.9203
140		1.75621		-1.33863	-4.39176	428.0435
139		1.671		-1.42384	-4.67132	428.3231
138		1.64032		-1.45452	-4.77197	428.4237
137		1.647089		-1.62395	-5.32784	428.9796
136		1.48715		-1.60769	-5.27449	428.9263
135		1.47745		-1.61739	-5.30632	428.9581
134		1.48077		-1.61407	-5.29543	428.9472
133		1.32792		-1.76692	-5.79690	429.4487
168		1.4888		-1.60604	-5.26908	428.9208
169		1.55106		-1.54378	-5.06482	428.7166
170		1.4489		-1.64594	-5.39998	429.0517
171	1.7335	1.17888	0.55452	-1.36134	-4.46627	428.1180
172		1.1039		-1.43642	-4.71260	428.3644
173		1.13561		-1.40471	-4.60857	428.2603
174		1.03485		-1.50547	-4.93914	428.5909
175		1.04527		-1.49505	-4.90495	428.5567
176		1.01405		-1.52627	-5.00738	428.6591
177		0.9571		-1.58322	-5.19422	428.8460
178	0.88529	1.19749	-0.31230	-1.65503	-5.42982	429.0816
179		1.24345		-1.60917	-5.27937	428.9311
180		1.2033		-1.64932	-5.41109	429.0629
181		1.13496		-1.71766	-5.63530	429.2871
182		1.03263		-1.81999	-5.97103	429.6228
BP4	1.29798	1.21934	0.07854	-1.55464	-5.10047	428.7522
MPBXD		1.00905		-1.76503	-5.79072	429.4425
MPBXS		1.13082		-1.64326	-5.39122	429.0430

PNL1BSLN.WK1
 FEB. 16, 1994 W

SALINE COUNTY -- GALATIA SITE -- PANEL 1
 BASELINE -- TRANSVERSE & LONGITUDINAL LINES
 DATE: 11/02/89
 INSTRUMENT: NA-2 WILD TO LEVEL

MONUMENT #		ROD READING (METERS)		METERS	FEET	ELEVATION (FEET)
167		1.13029		-1.64379	-5.39296	429.0447
132		1.07412		-1.69996	-5.57724	429.2290
131		1.03413		-1.73995	-5.70844	429.3602
130		1.03415		-1.73993	-5.70838	429.3601
129		1.04897		-1.72511	-5.65976	429.3115
128		1.04314		-1.73094	-5.67888	429.3306
127		0.98568		-1.78840	-5.86740	429.5192
126	0.96195	1.48858	-0.52673	-1.81213	-5.94525	429.5970
125		1.49705		-1.80377	-5.91780	429.5696
124		1.4304		-1.87042	-6.13647	429.7882
123		1.47042		-1.83040	-6.00517	429.6569
122		1.45445		-1.84637	-6.05756	429.7093
121		1.35863		-1.94219	-6.37193	430.0237
120		1.38491		-1.91591	-6.28571	429.9375
119		1.39168		-1.90914	-6.26350	429.9153
118		1.35352		-1.94730	-6.38869	430.0405
117		1.28648		-2.01434	-6.60864	430.2604
116		1.30962		-1.99120	-6.53272	430.1845
115		1.26765		-2.03317	-6.67042	430.3222
114	1.2773	1.3683	-0.09110	-2.02352	-6.63876	430.2905
112		1.34688		-2.04504	-6.70937	430.3611
111		1.27172		-2.12020	-6.95595	430.6077
110		1.26528		-2.12664	-6.97708	430.6288
109		1.20597		-2.18595	-7.17167	430.8234
108		1.15896		-2.23296	-7.32590	430.9777
107		1.20613		-2.18579	-7.17114	430.8229
106		1.16294		-2.22898	-7.31284	430.9646
105		1.16788		-2.22404	-7.29663	430.9484
104		1.18722		-2.20470	-7.23318	430.8849
103		1.1693		-2.22262	-7.29197	430.9437
102	1.0537	1.24085	-0.18725	-2.33822	-7.67123	431.3230
101		1.25357		-2.32560	-7.62984	431.2816
100		1.20523		-2.37394	-7.78843	431.4402
3	1.53347	1.45379	0.07958	-2.04570	-6.71154	430.3633
89-22		1.01553		-2.48407	-8.14973	431.8015
SPIKE		0.87316		-2.62644	-8.61681	432.2686
C1		1.52516		-1.97444	-6.47773	430.1295
4	1.45379	1.60378	-0.15009	-2.04581	-6.71188	430.3636
102	1.31065	1.236	0.07455	-2.33904	-7.67392	431.3257
112	1.53029	1.30534	0.22485	-2.04485	-6.70875	430.3605
123	1.51832	1.22625	0.29197	-1.83198	-6.01035	429.6621
133	1.28982	1.35303	-0.06331	-1.76851	-5.80212	429.4539
143	2.01867	0.91545	1.10312	-1.10297	-3.61863	427.2704
154	1.90403	2.55414	-0.65021	-0.11449	-0.37563	424.0274
164	1.8085	0.8885	0.91990	-0.86024	-2.82227	426.4740
165		0.84857		-0.90027	-2.95361	426.6054
C2		1.89235		0.14351	0.47082	423.1809
5	3.03818	0.6459	2.39218	1.28934	4.23006	419.4217
6	1.5617	2.09512	-0.53352	2.20504	7.23428	416.4175
7	1.27279	1.928	-0.65531	1.38260	4.53604	419.1157
E-145		1.71191		1.16641	3.82676	419.8250

clos err	-0.00237	distr. error	0.0000
	-0.0001030		0.0000

PNL1BSLN.WK1
 FEB. 16, 1994 W

SALINE COUNTY -- GALATIA SITE -- PANEL 1
 TRANSVERSE (PARTIAL) & LONGITUDINAL LINES, STARTING FROM E145
 DATE: 11/21/89
 INSTRUMENT: NA-2 WILD TO LEVEL

MONUMENT #	ROD READING (FEET)		METERS	FEET	ELEVATION (FEET)
E145	1.48273		1.48273	4.86454	419.8250
1	2.01182	0.74547	2.01182	6.60038	418.0892
2	1.62124	-0.93741	2.36671	7.76471	416.9248
C2	0.65449	-1.98399	0.46255	1.51754	423.1720
166	2.04114		-0.13479	-0.44220	425.1317
165	1.59261		-0.58332	-1.91374	426.6033
164	1.63132		-0.54461	-1.78674	426.4763
163	1.81173		-0.36420	-1.19485	425.8844
162	1.76072		-0.41521	-1.36221	426.0517
161	1.71102		-0.46491	-1.52526	426.2148
160	1.27543	0.43324	-0.46726	-1.53297	426.2225
159	1.37238		-0.37030	-1.21489	425.9044
158	1.5669		-0.17578	-0.57671	425.2663
157	1.68		-0.06268	-0.20565	424.8952
156	1.76631		0.02363	0.07751	424.6120
155	1.84223		0.09955	0.32659	424.3630
154	1.94618		0.20350	0.66763	424.0219
153	1.98912		0.24644	0.80851	423.8810
152	1.98608		0.24340	0.79853	423.8910
151	1.95901		0.21633	0.70972	423.9798
150	1.9395	-0.39432	0.19682	0.64571	424.0438
149	2.29335		0.15635	0.51294	424.1766
148	2.17936		0.04236	0.13897	424.5506
147	2.13745		0.00045	0.00147	424.6881
146	2.02745		-0.10955	-0.35942	425.0490
145	1.81639		-0.32061	-1.05187	425.7414
144	1.54364		-0.59336	-1.94670	426.6362
143	1.95364	-0.59972	-0.78308	-2.56914	427.2587
142	1.77541		-0.96131	-3.15387	427.8434
141	1.75272		-0.98400	-3.22831	427.9179
140	1.71469		-1.02203	-3.35308	428.0426
139	1.62855		-1.10817	-3.63569	428.3252
138	1.59851		-1.13821	-3.73424	428.4238
137	1.42861		-1.30811	-4.29165	428.9812
136	1.44534		-1.29138	-4.23676	428.9263
135	1.43613		-1.30059	-4.26698	428.9565
134	1.43862		-1.29810	-4.25881	428.9484
133	1.28665		-1.45007	-4.75739	429.4469
167	1.40949		-1.32723	-4.35438	429.0439
168	1.44775		-1.28897	-4.22886	428.9184
169	1.51095	0.46500	-1.22577	-4.02151	428.7111
170	0.94389		-1.32783	-4.35634	429.0459
171	1.22849		-1.04323	-3.42263	428.1122
172	1.15348		-1.11824	-3.66872	428.3583
173	1.18563		-1.08609	-3.56324	428.2528
174	1.08572		-1.18600	-3.89103	428.5806
175	1.0969		-1.17482	-3.85435	428.5439
176	1.06681		-1.20491	-3.95307	428.6426
177	1.01275		-1.25897	-4.13043	428.8200
178	0.94354	-0.34365	-1.32818	-4.35749	429.0470
179	1.33645		-1.27892	-4.19588	428.8854
180	1.30815		-1.30722	-4.28872	428.9783
181	1.26774		-1.34763	-4.42130	429.1108
182	1.2657		-1.34967	-4.42799	429.1175
180	1.30815	-0.16494	-1.30722	-4.28872	428.9783
3	1.3889	0.37451	-1.39141	-4.56493	429.2545
4	1.73088	0.08771	-0.67492	-2.21426	426.9038
5	1.57784	1.35928	-0.74024	-2.42859	427.1181
6	2.5844	1.94085	1.62560	5.33326	419.3563
7	0.99912	-0.83044	1.98117	6.49982	418.1897
E-145	1.33112		1.48273	4.86454	419.8250

closure error 0.00002
 0.00000

distrib error 0
 0

112189P1.WK1
 FEB. 16, 1994 W

SALINE COUNTY -- GALATIA SITE -- PANEL 1
 TRANSVERSE & LONGITUDINAL LINES, STARTING FROM E145
 DATE: 11/27/89
 INSTRUMENT: NA-2 WILD TO LEVEL

MONUMENT #		ROD READING (FEET)		METERS	FEET	ELEVATION (FEET)
E145		1.47333		1.47333	4.83370	419.8250
1	1.79796	1.04158	0.75632	1.79796	5.89875	418.7600
2	1.57282	2.91635	-1.34359	2.32914	7.64144	417.0173
C2		1.04074		0.45347	1.48773	423.1710
166	0.44246	2.13031	-1.68791	-0.14481	-0.47511	425.1338
165		1.68236		-0.59283	-1.94495	426.6036
164		1.72183		-0.55336	-1.81545	426.4742
163		1.90192		-0.37327	-1.22461	425.8833
162		1.85117		-0.42402	-1.39111	426.0498
161		1.80168		-0.47351	-1.55348	426.2122
160		1.79778		-0.47741	-1.56628	426.2250
159		1.89492		-0.38027	-1.24758	425.9063
158	2.09031	1.3405	0.74975	-0.18488	-0.60654	425.2652
157		1.4534		-0.07204	-0.23635	424.8950
156		1.54015		0.01471	0.04826	424.6104
155		1.61559		0.09015	0.29577	424.3629
154		1.71911		0.19367	0.63540	424.0233
153		1.76238		0.23694	0.77736	423.8813
152		1.75845		0.23301	0.76446	423.8942
151		1.73217		0.20673	0.67824	423.9805
150		1.71255		0.18711	0.61387	424.0448
149		1.67237		0.14693	0.48205	424.1767
148	1.55952	2.33884	-0.77938	0.03408	0.11181	424.5469
147		2.29595		-0.00887	-0.02911	424.6878
146		2.18689		-0.11793	-0.38691	425.0456
145		1.97549		-0.32933	-1.08047	425.7392
144		1.7032		-0.60162	-1.97380	426.6325
143		1.51309		-0.79173	-2.59751	427.2562
142		1.33492		-0.96990	-3.18205	427.8408
141		1.3125		-0.99232	-3.25561	427.9143
140	1.27405	1.6272	-0.35321	-1.03077	-3.38175	428.0405
139		1.54194		-1.11609	-3.66168	428.3204
138		1.51162		-1.14641	-3.76115	428.4199
137		1.34142		-1.31661	-4.31955	428.9782
136		1.35801		-1.30002	-4.26512	428.9238
135		1.34845		-1.30958	-4.29648	428.9552
134		1.35157		-1.30646	-4.28625	428.9449
133		1.19851		-1.45952	-4.78841	429.4471
167		1.32207		-1.33596	-4.38303	429.0417
168		1.36041		-1.29762	-4.25724	428.9159
169		1.42375		-1.23428	-4.04944	428.7081
170	1.32262	0.94205	0.38051	-1.33541	-4.38123	429.0399
171		1.22725		-1.05028	-3.44575	428.1044
TP172		1.27328		-1.00425	-3.29473	427.9534
172		1.15278		-1.12475	-3.69007	428.3488
173		1.18522		-1.09231	-3.58364	428.2423
TP174		1.36671		-0.91082	-2.98820	427.6469
174		1.08601		-1.19152	-3.90913	428.5678
175		1.09779		-1.17974	-3.87048	428.5292
TP176		1.33222		-0.94531	-3.10136	427.7601
176		1.06907		-1.20846	-3.96470	428.6234
177	1.01642	1.03512	-0.01876	-1.26111	-4.13744	428.7961
178		0.96799		-1.32830	-4.35788	429.0166
179		1.02104		-1.27525	-4.18383	428.8425

112789P1.WK1
 FEB. 16, 1994 W

SALINE COUNTY -- GALATIA SITE -- PANEL 1
 TRANSVERSE & LONGITUDINAL LINES, STARTING FROM E145
 DATE: 11/27/89
 INSTRUMENT: NA-2 WILD TO LEVEL

MONUMENT #		ROD READING (FEET)		METERS	FEET	ELEVATION (FEET)
180		1.01448		-1.28181	-4.20536	428.8641
181		1.08358		-1.21271	-3.97865	428.6374
182		1.30644		-0.98985	-3.24749	427.9062
177	1.03509	1.07219	-0.03716	-1.26120	-4.13774	428.7964
MPBXD		0.87871		-1.45474	-4.77271	429.4314
MPBXS		1.0019		-1.33155	-4.36855	429.0273
169	1.10115	1.5735	-0.47241	-1.23230	-4.04293	428.7016
132		1.41602		-1.38984	-4.55980	429.2185
131		1.37597		-1.42989	-4.69119	429.3499
130		1.37572		-1.43014	-4.69201	429.3507
129		1.38969		-1.41617	-4.64618	429.3049
128		1.38415		-1.42171	-4.66436	429.3231
127		1.32578		-1.48008	-4.85586	429.5146
126		1.30239		-1.50347	-4.93259	429.5913
125		1.31134		-1.49452	-4.90323	429.5619
124		1.24485		-1.56101	-5.12137	429.7801
123	1.28429	1.50391	-0.21968	-1.52157	-4.99198	429.6507
122		1.48755		-1.53800	-5.04585	429.7046
121		1.39172		-1.63382	-5.36025	430.0190
120		1.41751		-1.60803	-5.27564	429.9343
119		1.42479		-1.60076	-5.25176	429.9105
118		1.38599		-1.63955	-5.37905	430.0378
117		1.31862		-1.70693	-5.60008	430.2588
116		1.34147		-1.68408	-5.52511	430.1838
115		1.30004		-1.72550	-5.66104	430.3197
114		1.30942		-1.71613	-5.63026	430.2890
112	1.28794	1.42433	-0.13645	-1.73760	-5.70073	430.3594
111		1.34855		-1.81345	-5.94956	430.6083
110		1.34278		-1.81922	-5.96849	430.6272
109		1.28308		-1.87892	-6.16435	430.8231
108		1.23647		-1.92553	-6.31727	430.9760
107		1.28265		-1.87935	-6.16576	430.8245
106		1.24018		-1.92182	-6.30510	430.9638
105		1.24488		-1.91712	-6.28968	430.9484
104		1.26399		-1.89801	-6.22698	430.8857
103	1.24612	1.31978	-0.07372	-1.91588	-6.28561	430.9443
102		1.20349		-2.03223	-6.66734	431.3260
101		1.21684		-2.01888	-6.62354	431.2822
100		1.16808		-2.06764	-6.78351	431.4422
103	1.31978	1.13918	0.18054	-1.91594	-6.28581	430.9445
114	1.33811	1.29083	0.04722	-1.71707	-5.63337	430.2921
124	1.44442	1.35093	0.09343	-1.56354	-5.12968	429.7884
133	1.45408	1.31946	0.13456	-1.46046	-4.79147	429.4502
143	1.98607	0.88023	1.10578	-0.79391	-2.60466	427.2634
154	1.86795	2.04726	-0.17937	0.19375	0.63565	424.0230
164	1.30135	0.259	1.04229	-0.55222	-1.81173	426.4704
3	2.58626	0.50802	2.07818	1.77497	5.82334	418.8354
4	1.02357	1.82237	-0.79886	2.29046	7.51455	417.1442
E-145		1.0053		1.47333	4.83370	419.8250
closure error	-0.00137	distrb error	0.00000			
	-0.00006		0.00000			

112789P1.WK1
 FEB. 16, 1994 W

SALINE COUNTY -- GALATIA SITE -- SITE 1
 LONGITUDINAL LINE, STARTING FROM M124
 DATE: 11/29/89
 INSTRUMENT: NA-2 WILD

MONUMENT #	ROD READING (METERS)		METERS	FEET	ELEVATION (FEET)
124	1.0982		1.0982	3.60297456	429.7826
133	1.20192		1.20192	3.94325913	429.442315
167	1.32434		1.32434	4.34489467	429.040679
168	1.36272		1.36272	4.47081177	428.914762
169	1.42505		1.42505	4.67530404	428.710270
170	1.32369		1.32369	4.34276215	429.042812
171	1.60876		1.60876	5.27801980	428.107554
TP172	1.63722		1.63722	5.37139137	428.014183
TP172 np	1.6521		1.6521	5.42020968	427.965364
172	1.53407		1.53407	5.03297685	428.352597
173	1.56658		1.56658	5.13963566	428.245938
TP174	1.73132		1.73132	5.68011465	427.705459
TP174 np	1.74768		1.74768	5.73378854	427.651786
174	1.46755	1.16646	1.46755	4.81473804	428.570836
175	1.17799	0.301385	1.479375	4.8535335	428.532041
TP176	1.39656		1.697945	5.57061795	427.814956
TP176 np	1.40962		1.711005	5.61346520	427.772109
176	1.14914		1.450525	4.75888242	428.626692
177	1.09608		1.397465	4.58480317	428.800771
178	1.02932		1.330705	4.36577696	429.019797
179	1.08304		1.384425	4.54202154	428.843553
180	1.07724		1.378625	4.5229929	428.862581
181	1.15183		1.453215	4.76770777	428.617866
182	1.381		1.682385	5.51956870	427.866005
174	1.16646	-0.361035	1.467845	4.81570587	428.569868
MPBXD	1.2648		1.20515	3.95385612	429.431718
MPBXS	1.38541		1.32576	4.34955340	429.036021
124	1.15785		1.0982	3.60297456	429.7826
closure error		0.00059 distributed error			0
		0.000295			0

112989P1.WK1
 FEB. 17, 1994 Th

SALINE COUNTY -- GALATIA SITE -- PANEL 1
 LONGITUDINAL LINE, STARTING FROM M124
 DATE: 12/03/89
 INSTRUMENT: NA-2 WILD TO LEVEL

MONUMENT #		ROD READING (METERS)		METERS	FEET	ELEVATION (FEET)
124		1.26461		1.26461	4.14893248	429.7826
133		1.36777		1.36777	4.48737981	429.444152
167		1.49068		1.49068	4.89062294	429.040909
168		1.52921		1.52921	5.01703216	428.914500
169		1.59199		1.59199	5.22300079	428.708531
170		1.49073		1.49073	4.89078698	429.040745
171		1.77548		1.77548	5.82499478	428.106537
TP172		1.8051		1.8051	5.92217208	428.009360
172		1.7015		1.7015	5.5822812	428.349251
173		1.73438		1.73438	5.69015390	428.241378
TP174		1.90016		1.90016	6.23404492	427.697487
174	1.6359	0.88729	0.74841	1.6359	5.36706072	428.564471
175		0.90004		1.64845	5.40823476	428.523297
TP176		1.12042		1.86883	6.13125746	427.800275
176		0.87222		1.62063	5.31696290	428.614569
177		0.82016		1.56857	5.14616445	428.785368
178		0.75594		1.50435	4.93547148	428.996061
179		0.81221		1.56062	5.12008209	428.811450
180		0.82318		1.57159	5.15607247	428.775460
181		0.93202		1.68043	5.51315474	428.418377
182		1.18922		1.93763	6.35697650	427.574555
174	0.88729	1.41573	-0.52864	1.6357	5.36640456	428.565127
MPBXD		1.15248		1.37225	4.5020778	429.429454
MPBXS		1.27301		1.49278	4.89751262	429.034019
124		1.04484		1.26461	4.14893248	429.7826
closure error				-0.0004	distributed error	0
				-0.0002		0

120389P1.WK1
 FEB. 17, 1994 Th

SALINE COUNTY -- GALATIA SITE -- PANEL 1
 TRANSVERSE (PARTIAL) & LONGITUDINAL LINES, STARTING FROM M110
 DATE: 12/05/89
 INSTRUMENT: NA-2 WILD TO LEVEL

MONUMENT #	ROD READING (METERS)		METERS	FEET	ELEVATION (FEET)
110	1.24362		1.24362	4.08006849	430.625
111	1.251		1.251	4.1042808	430.600787
112	1.32612		1.32612	4.35073449	430.354334
114	1.34692		1.34692	4.41897513	430.286093
115	1.33746		1.33746	4.38793876	430.317129
116	1.37911		1.37911	4.52458408	430.180484
117	1.35675		1.35675	4.4512254	430.253843
118	1.42346		1.42346	4.67008756	430.034980
119	1.46197		1.46197	4.79643117	429.908637
120	1.45568	0.27840333	1.45568	4.77579494	429.929273
121	1.15206		1.43046333	4.69306410	430.012004
122	1.24735		1.52575333	5.00569153	429.699376
123	1.26271		1.54111333	5.05608462	429.648983
124	1.22295		1.50135333	4.92564001	429.779428
125	1.28917		1.56757333	5.14289459	429.562173
126	1.28033		1.55873333	5.11389232	429.591176
127	1.30473		1.58313333	5.19394384	429.511124
128	1.36141		1.63981333	5.37989958	429.325168
129	1.36756	0.10386333	1.64596333	5.40007650	429.304991
130	1.25038		1.63264666	5.35638718	429.348681
131	1.25023		1.63249666	5.35589506	429.349173
132	1.28993		1.67219666	5.48614282	429.218925
133	1.22264		1.60490666	5.26537779	429.439690
167	1.34563		1.72789666	5.66888338	429.036185
168	1.38412		1.76638666	5.79516137	428.909907
169	1.4469		1.82916666	6.00113	428.703938
170	1.34591		1.72817666	5.66980200	429.035266
171	1.6309		2.01316666	6.6047972	428.100271
TP172	1.66058		2.04284666	6.70217134	428.002897
172	1.55617		1.93843666	6.35962301	428.345445
173	1.58922		1.97148666	6.46805345	428.237015
TP174	1.75492		2.13718666	7.01168201	427.693386
174	1.49177	0.44723333	1.87403666	6.14833949	428.556729
175	1.05713		1.88663	6.18965570	428.515412
TP176	1.26712		2.09662	6.87859089	427.826477
176	1.02954		1.85904	6.09913843	428.605930
177	0.97816		1.80766	5.93057092	428.774497
178	0.91511		1.74461	5.72371648	428.981352
179	0.9734		1.8029	5.91495432	428.790114
180	1.00912		1.83862	6.03214449	428.672924
181	1.17684		2.00634	6.58240027	428.122668
182	1.47128		2.30078	7.54839902	427.156669
174	1.0445	-0.4865966	1.874	6.1482192	428.556849
125	1.22528	-0.2212466	1.56818333	5.14489588	429.560172
117	1.23545	-0.0568566	1.35710666	4.45239555	430.252672
110	1.17882		1.24362	4.08006849	430.625

closure error

0.00056 distributed error
 0.00009333

0
 0

120589P1.WK1
 FEB. 17, 1994 Th

SALINE COUNTY -- GALATIA SITE -- PANEL 1
 LONGITUDINAL LINE, STARTING FROM M100
 DATE: 12/11/89
 INSTRUMENT: NA-2 WILD TO LEVEL

MONUMENT #		ROD READING (METERS)		METERS	FEET	ELEVATION (FEET)
100		1.09802		1.09802	3.60238401	431.4476
106	1.24372	1.15725	0.08642857	1.24372	4.08039657	430.969587
118	1.44141	1.20762	0.23374857	1.52783857	5.01253278	430.037451
128	1.42565	1.26353	0.16207857	1.74582714	5.72770969	429.322274
133		1.22865		1.71090571	5.61313946	429.436844
167		1.35317		1.83542571	6.02166468	429.028319
168		1.39277		1.87502571	6.15158436	428.898399
169		1.4565		1.93875571	6.36066974	428.689314
170		1.35748		1.83973571	6.03580493	429.014179
171		1.64455		2.12680571	6.97762418	428.072359
TP172		1.67721		2.15946571	7.08477511	427.965208
172		1.57332		2.05557571	6.74393280	428.306051
173		1.61194		2.09419571	6.87063729	428.179346
TP174		1.78311		2.26536571	7.43221183	427.617772
174	1.52157	0.80754	0.71398857	2.00382571	6.57415140	428.475832
175		0.83464		2.03088428	6.66292516	428.387058
TP176		1.07788		2.27412428	7.46094695	427.589037
176		0.83331		2.02955428	6.65856170	428.391422
177		0.81195		2.00819428	6.58848381	428.461500
178		0.80951		2.00575428	6.58047866	428.469505
179		1.01898		2.21522428	7.26770783	427.782276
180		1.45549		2.65173428	8.69980984	426.350174
181		1.71468		2.91092428	9.55016039	425.499823
182		1.76072		2.95696428	9.70120842	425.348775
174	0.80754	1.55091	-0.7434114	2.00378428	6.57401548	428.475968
MPBXD		1.26871		1.72154285	5.64803780	429.401946
MPBXS		1.38548		1.83831285	6.03113682	429.018847
124	1.15252	1.44146	-0.2889814	1.60535285	5.26684165	429.783142
110	1.18237	1.34704	-0.1647114	1.34622142	4.41668326	430.633300
100		1.09888		1.09802	3.60238401	431.4476
closure error				-0.00029 distributed error		0
				-0.0000414		0

121189P1.WK1
 FEB. 17, 1994 Th

SALINE COUNTY -- GALATIA SITE -- PANEL 1
 LONGITUDINAL LINE, STARTING FROM M100
 DATE: 12/13/89
 INSTRUMENT: NA-2 WILD TO LEVEL

MONUMENT #		ROD READING (METERS)		METERS	FEET	ELEVATION (FEET)
100		1.2622		1.2622	4.14102576	431.4476
109	1.45073	1.12276	0.32805666	1.45073	4.75955498	430.829070
122	1.46782	1.17146	0.29644666	1.79587666	5.89191216	429.696713
133		1.25465		1.87915333	6.16512625	429.423499
167		1.38018		2.00468333	6.57696508	429.011660
168		1.42172		2.04622333	6.71324951	428.875376
169		1.48805		2.11255333	6.93086497	428.657760
170		1.3959		2.02040333	6.62853925	428.960086
171		1.69318		2.31768333	7.60385548	427.984770
TP172		1.73819		2.36269333	7.75152428	427.837101
172		1.63697		2.26147333	7.41944171	428.169184
173		1.6996		2.32410333	7.62491821	427.963707
TP174		1.92715		2.55165333	8.37146425	427.217161
174	1.6786	0.24274	1.43594666	2.30310333	7.55602141	428.032604
175		0.41479		2.47524	8.12076739	427.467858
TP176		0.82737		2.88782	9.47435985	426.114265
176		0.60215		2.6626	8.73545808	426.853167
177		0.74501		2.80546	9.20415316	426.384472
178		0.82404		2.88449	9.46343479	426.125190
179		1.0454		3.10585	10.1896726	425.398953
180		1.18598		3.24643	10.6508875	424.937738
181		1.22123		3.28168	10.7665357	424.822090
182		1.16799		3.22844	10.5918659	424.996759
BP4		0.64797		2.70842	8.88578433	426.702841
DP1		0.27085		2.3313	7.64852904	427.940096
174	0.24274	1.63385	-1.3910233	2.30319	7.55630575	428.032320
BP5		1.34863		0.66942666	2.19625500	433.392370
TDR		1.12118		0.66942666	2.19625500	433.392370
MPBXD		1.23605		1.90547666	6.25148784	429.337137
MPBXS		1.34342		2.01284666	6.60374734	428.984878
PW		0.80843		1.47785666	4.84855215	430.740073
123	1.14231	1.43357	-0.2911733	1.81173666	5.94394565	429.644680
109	1.07262	1.41141	-0.3387033	1.45087333	4.76002523	430.828600
100		1.22265		1.2622	4.14102576	431.4476
closure error				0 distributed error		0
				0.00008666		0

121389P1.WK1
 FEB. 17, 1994 Th

SALINE COUNTY --- GALATIA SITE --- PANEL 1
 TRANSVERSE (PARTIAL) & LONGITUDINAL LINES, STARTING FROM M101
 DATE: 12/14/89
 INSTRUMENT: NA-2 WILD TO LEVEL

MONUMENT #	ROD READING (METERS)		METERS	FEET	ELEVATION (FEET)
101	1.33258		1.33258	4.37193	431.27680
102	1.31792		1.31792	4.32383	431.32490
103	1.43586		1.43586	4.71077	430.93796
104	1.45343		1.45343	4.76841	430.88032
105	1.4348		1.43480	4.70729	430.94144
106	1.43003		1.43003	4.69164	430.95709
107	1.47289		1.47289	4.83226	430.81647
108	1.42584		1.42584	4.67790	430.97083
109	1.47355		1.47355	4.83442	430.81431
110	1.53352	0.34065	1.53352	5.03117	430.61756
111	1.20157		1.54222	5.05972	430.58901
112	1.27633		1.61748	5.30663	430.34210
114	1.29843		1.63908	5.37749	430.27123
115	1.28937		1.63002	5.34777	430.30096
116	1.33217		1.67282	5.48819	430.16054
117	1.31029		1.65094	5.41640	430.23232
118	1.3786		1.71925	5.64052	430.00821
119	1.41775		1.75840	5.76896	429.87977
120	1.41287		1.75352	5.75295	429.89578
121	1.38724		1.72789	5.66886	429.97987
122	1.4844	0.39353	1.82505	5.98762	429.66110
123	1.10877		1.84295	6.04635	429.60238
124	1.0698		1.80398	5.91850	429.73023
125	1.13745		1.87163	6.14044	429.50828
126	1.12959		1.86377	6.11466	429.53407
127	1.15498		1.88916	6.19796	429.45077
128	1.21243		1.94661	6.38644	429.26229
129	1.21864		1.95282	6.40681	429.24192
130	1.20402		1.93820	6.35885	429.28988
131	1.20456		1.93874	6.36062	429.28811
132	1.24474		1.97892	6.49244	429.15629
133	1.17779		1.91197	6.27279	429.37594
167	1.30671		2.04089	6.69575	428.95298
168	1.35605		2.09023	6.85763	428.79110
169	1.43682		2.17100	7.12262	428.52611
170	1.36658		2.10076	6.89217	428.75656
171	1.69195		2.42613	7.95965	427.68908
TP172	1.78602		2.52020	8.26827	427.38046
172	1.69418		2.42836	7.96696	427.68176
173	1.85295		2.58713	8.48786	427.16087
TP174	2.20863		2.94281	9.65477	425.99396
174	1.96922	1.51746	2.70340	8.86931	426.77941
175	0.71499		2.96663	9.73292	425.91581
TP176	1.13326		3.38490	11.10518	424.54355
176	0.90892		3.16056	10.36917	425.27956
177	0.96881		3.22045	10.56565	425.08308
178	0.95193		3.20357	10.51027	425.13846
179	1.08785		3.33949	10.95620	424.69253
180	1.11991		3.37155	11.06138	424.58735
181	1.1082		3.35984	11.02296	424.62577
182	1.03274		3.28438	10.77539	424.87333
174	0.4568	-1.54772	2.70844	8.88585	426.76288
122	1.1183	-0.30375	1.82222	5.97834	429.67039
111	1.13835	-0.39621	1.53852	5.04758	430.60115
101	1.32862		1.33258	4.37193	431.27680
closure error			0.00852	closure error	-0.00000
distributed error			0.00142	distributed error	-0.00000

121489P1.WK1
 FEB. 17, 1994 Th

SALINE COUNTY -- GALATIA SITE -- PANEL 1
 LONGITUDINAL LINE, STARTING FROM M100
 DATE: 12/15/89
 INSTRUMENT: NA-2 WILD TO LEVEL

MONUMENT #		ROD READING (METERS)		METERS	FEET	ELEVATION (FEET)
100		1.11916		1.11916	3.67174012	431.4476
101		1.16805		1.16805	3.83213844	431.287201
110	1.36843	1.24398	0.12641166	1.36843	4.48954514	430.629794
125	1.59581	1.18371	0.41406166	1.72222166	5.65026484	429.469075
133		1.22528		1.76575333	5.79308353	429.326256
167		1.36294		1.90341333	6.24471846	428.874621
168		1.43159		1.97206333	6.46994538	428.649394
169		1.54705		2.08752333	6.84874655	428.270593
170		1.54602		2.08649333	6.84536732	428.273972
171		1.96412		2.50459333	8.21706980	426.902270
TP172		2.14425		2.68472333	8.80804031	426.311299
172		2.06385		2.60432333	8.54426399	426.575076
173		2.27548		2.81595333	9.23857969	425.880760
TP174		2.59597		3.13644333	10.2900432	424.829296
174	2.35384	0.79366	1.56214166	2.89431333	9.49566318	425.623676
175		0.96696		3.069575	10.0706616	425.048678
176		1.08893		3.191545	10.4708208	424.648519
TP176		1.31723		3.419845	11.2198274	423.899512
177		1.09168		3.194295	10.4798430	424.639497
178		1.03585		3.138465	10.2966759	424.822664
179		1.14449		3.247105	10.6531020	424.466238
180		1.14717		3.249785	10.6618946	424.457445
181		1.11758		3.220195	10.5648157	424.554524
182		1.03338		3.135995	10.2885723	424.830767
174	0.79366	2.39319	-1.5975683	2.896275	9.50209902	425.617241
MPBXD		1.52078		2.02582666	6.64633212	428.473008
MPBXS		1.45962		1.96466666	6.4456784	428.673661
124	1.14357	1.5629	-0.4173683	1.64861666	5.40878156	429.710558
107	1.21796	1.41277	-0.1928483	1.30563833	4.28353824	430.835801
100		1.22433		1.11916	3.67174012	431.4476
closure error				0.01177	closure error	0
distributed error				0.00196166	distributed error	0

121589P1.WK1
 FEB. 17, 1994 Th

SALINE COUNTY -- GALATIA SITE -- PANEL 1
 LONGITUDINAL LINE, STARTING FROM M100
 DATE: 12/16/89
 INSTRUMENT: NA-2 WILD TO LEVEL

MONUMENT #	READING (METERS)		METERS	FEET	ROD ELEVATION (FEET)
100		1.11239	1.11239	3.64952911	431.4476
110	1.36183	1.04647	1.36183	4.46789186	430.629237
122	1.35064	0.7588	1.66585166	5.46532614	429.631802
133		0.85652	1.76342333	5.78543927	429.311689
167		1.00335	1.91025333	6.26715913	428.829969
168		1.09706	2.00396333	6.57460290	428.522526
169		1.26111	2.16801333	7.11281814	427.984310
170		1.31977	2.22667333	7.30526987	427.791859
171		1.77705	2.68395333	8.80551409	426.291615
TP174		1.95743	2.86433333	9.3973048	425.699824
172		1.87853	2.78543333	9.13844968	425.958679
173		2.06166	2.96856333	9.73926258	425.357866
TP174		2.35834	3.26524333	10.7126103	424.384518
174	2.11285	0.82823	3.01975333	9.90720673	425.189922
175		0.96586	3.157235	10.3582565	424.738872
176		1.06305	3.254425	10.6771175	424.420011
TP176		1.29305	3.484425	11.4317015	423.665427
177		1.04646	3.237835	10.6226890	424.474440
178		0.97889	3.170265	10.4010054	424.696123
179		1.08007	3.271445	10.7329567	424.364172
180		1.07315	3.264525	10.7102536	424.386875
181		1.03644	3.227815	10.5898154	424.507313
182		0.94693	3.138305	10.2961510	424.800978
174	0.82771	2.28815	3.019085	9.90501406	425.192115
MPBXD		1.46289	2.19367666	7.19701440	427.900114
MPBXS		1.30498	2.03576666	6.67894328	428.418185
122	0.93549	1.3767	1.66627666	5.46672048	429.630408
110	1.07259	1.44189	1.36201833	4.46850974	430.628619
100		1.19241	1.11239	3.64952911	431.4476
closure error		-0.00089	closure error		2.220E-16
distributed error		-0.0001483	distributed error		3.701E-17

121689P1.WK1
 FEB. 17, 1994 Th

SALINE COUNTY -- GALATIA SITE -- PANEL 1
 LONGITUDINAL LINE, STARTING FROM M100
 DATE: 12/19/89
 INSTRUMENT: NA-2 WILD TO LEVEL

MONUMENT #		ROD READING (METERS)		METERS	FEET	ELEVATION (FEET)
100		1.26862		1.26862	4.16208849	431.4476
101		1.16805		1.16805	3.83213844	431.777550
110	1.51931	1.20918	0.31118833	1.51931	4.98455224	430.625136
122	1.5967	0.39255	1.20520833	1.90788833	6.25940004	429.350288
124		0.42572		1.94211666	6.37169636	429.237992
133		0.56893		2.08532666	6.84153972	428.768148
167		0.83244		2.34883666	7.70606333	427.903625
168		1.0802		2.59659666	8.51891434	427.090774
169		1.36549		2.88188666	9.45489377	426.154794
170		1.43912		2.95551666	9.69645908	425.913229
171		1.81777		3.33416666	10.938734	424.670954
TP172		1.89119		3.40758666	11.1796103	424.430078
172		1.80767		3.32406666	10.9055979	424.704090
173		1.89175		3.40814666	11.1814475	424.428240
TP174		2.11669		3.63308666	11.9194307	423.690257
174	1.86322	1.11028	0.75399833	3.37961666	11.0878463	424.521842
175		1.18928		3.459675	11.3505017	424.259186
176		1.24221		3.512605	11.5241544	424.085534
TP176		1.47955		3.749945	12.3028195	423.306868
177		1.19875		3.469145	11.3815709	424.228117
178		1.11639		3.386785	11.1113642	424.498324
179		1.20612		3.476515	11.4057504	424.203938
180		1.18604		3.456435	11.3398719	424.269816
181		1.13648		3.406875	11.1772755	424.432413
182		1.04049		3.310885	10.8623515	424.747336
174	1.11028	1.87452	-0.7631816	3.380675	11.0913185	424.518369
MPBXD		1.3837		2.89091333	9.48450846	426.125180
MPBXS		1.24189		2.74910333	9.01925821	426.590430
122	0.4022	1.5519	-1.1486416	1.90941333	6.26440326	429.345285
110	1.16193	1.43189	-0.2689016	1.52050166	4.98846186	430.621226
100		1.17895		1.26862	4.16208849	431.4476
closure error		0.00635		closure error		0
distributed error		0.00105833		distributed error		0

1219889P1.WK1
 FEB. 17, 1994 Th

SALINE COUNTY -- GALATIA SITE -- PANEL 1
 TRANSVERSE & LONGITUDINAL LINES, STARTING FROM E145
 DATE: 12/28/89
 INSTRUMENT: NA-2 WILD TO LEVEL

M100 = 431.4476 FT
 M100 ELEVATION CORRECTION FOR E145 = -0.0084 FT

MONUMENT #		ROD READING (METERS)		METERS	FEET	ELEVATION (FEET)	CORRECTED ELEVATION (FEET)
E145		1.46107		1.46107	4.79348	419.82500	419.8166
1	1.84736	1.21623	0.63153	1.84736	6.06082	418.55766	418.549259
2	1.42708	2.65901	-1.23153	2.05861	6.75389	417.86459	417.856187
C2		1.03942		0.43942	1.44166	423.17682	423.168422
166	0.4456	2.05152	-1.60552	-0.15440	-0.50655	425.12503	425.116627
165		1.60392		-0.60160	-1.97372	426.59220	426.583797
164		1.64275		-0.56277	-1.84633	426.46480	426.456404
163		1.82267		-0.38285	-1.25604	425.87452	425.866122
162		1.77218		-0.43334	-1.42169	426.04017	426.031770
161		1.72252		-0.48300	-1.58462	426.20310	426.194695
160		1.71879		-0.48673	-1.59685	426.21533	426.206932
159		1.81662		-0.38890	-1.27589	425.89437	425.885971
158		2.01203		-0.19349	-0.63479	425.25327	425.244870
157	2.12561	1.39875	0.72726	-0.07991	-0.26216	424.88064	424.872237
156		1.48635		0.00809	0.02655	424.59192	424.583523
155		1.56215		0.08389	0.27524	424.34324	424.334839
154		1.66614		0.18788	0.61641	424.00207	423.993668
153		1.71048		0.23222	0.76188	423.85660	423.848197
152		1.70755		0.22929	0.75227	423.86621	423.857810
151		1.68237		0.20411	0.66966	423.94882	423.940421
150		1.66306		0.18480	0.60630	424.01217	424.003773
149		1.62712		0.14886	0.48839	424.13009	424.121685
148		1.5177		0.03944	0.12941	424.48907	424.480670
147		1.48803		0.00977	0.03207	424.58641	424.578011
146		1.40605		-0.07221	-0.23689	424.85537	424.846971
145	1.21385	1.72851	-0.51426	-0.26441	-0.86746	425.48594	425.477541
144		1.49194		-0.50057	-1.64229	426.26076	426.252364
143		1.34198		-0.65053	-2.13428	426.75275	426.744353
142		1.20127		-0.79124	-2.59592	427.21440	427.205995
141		1.21069		-0.78182	-2.56501	427.18349	427.175089
140		1.19929		-0.79322	-2.60241	427.22089	427.212491
139		1.13412		-0.85839	-2.81622	427.43470	427.426300
138		1.11251		-0.88000	-2.88712	427.50560	427.497198
137		0.95085		-1.04166	-3.41749	428.03597	428.027572
136	0.97341	0.74552	0.22829	-1.01910	-3.34348	427.96196	427.953558
135		0.74167		-1.02255	-3.35480	427.97327	427.964873
134		0.75212		-1.01210	-3.32051	427.93899	427.930589
133		0.6052		-1.15902	-3.80253	428.42100	428.412604
167		0.89527		-0.86895	-2.85086	427.46934	427.460942
168		1.14148		-0.62274	-2.04310	426.66158	426.653176
169		1.42046		-0.34376	-1.12782	425.74630	425.737899
170		1.47028		-0.29394	-0.96437	425.58285	425.574449
171		1.8253		0.06108	0.20038	424.41810	424.409700
TP172		1.87753		0.11331	0.37173	424.24674	424.238344
172		1.79985		0.03563	0.11688	424.50160	424.493196
173		1.87276		0.10854	0.35608	424.26239	424.253993
TP174		2.09225		0.32803	1.07619	423.54229	423.533890
174	1.8369	1.11046	0.72684	0.07268	0.23844	424.38004	424.371643
175		1.18241		0.14503	0.47580	424.14267	424.134273
TP176		1.46635		0.42897	1.40735	423.21112	423.202723
176		1.22781		0.19043	0.62475	423.99373	423.985325
177		1.17898		0.14160	0.46455	424.15393	424.145527
178		1.0931		0.05572	0.18280	424.43568	424.427282
179		1.18101		0.14363	0.47121	424.14727	424.138866
180		1.15542		0.11804	0.38726	424.23122	424.222822

SALINE COUNTY -- GALATIAS SITE -- PANEL 1
 TRANSVERSE & LONGITUDINAL LINES, STARTING FROM E145
 DATE: 12/28/89
 INSTRUMENT: NA-2 WILD TO LEVEL

M100 = 431.4476 FT
 M100 ELEVATION CORRECTION FOR E145 = -0.0084 FT

MONUMENT #	ROD READING (METERS)		METERS	FEET	ELEVATION (FEET)	CORRECTED ELEVATION (FEET)
181	1.10302		0.06564	0.21534	424.40314	424.394736
182	1.00517		-0.03221	-0.10568	424.72416	424.715762
174	1.11002	-0.87153	0.07264	0.23831	424.38017	424.371770
MPBXD	1.53085		-0.37806	-1.24035	425.85882	425.850424
MPBXS	1.42921		-0.47970	-1.57381	426.19228	426.183884
133	0.74753		-1.16138	-3.81026	428.42874	428.420340
132	0.81733		-1.09158	-3.58126	428.19974	428.191340
131	0.77657		-1.13234	-3.71499	428.33347	428.325066
130	0.77885		-1.13006	-3.70751	428.32599	428.317585
129	0.80189		-1.10702	-3.63192	428.25040	428.241996
128	0.80014		-1.10877	-3.63766	428.25614	428.247737
127	0.7407		-1.16821	-3.83267	428.45115	428.442748
126	0.70848		-1.20043	-3.93838	428.55686	428.548455
125	0.69622		-1.21269	-3.97860	428.59708	428.588678
124	0.60632		-1.30259	-4.27354	428.89202	428.883622
123	0.60905		-1.29986	-4.26459	428.88307	428.874665
122	0.54155	-1.12551	-1.36736	-4.48604	429.10452	429.096119
121	1.51334		-1.52108	-4.99036	429.60884	429.600441
120	1.5005		-1.53392	-5.03249	429.65097	429.642566
119	1.47908		-1.55534	-5.10276	429.72124	429.712841
118	1.41732		-1.61710	-5.30538	429.92386	429.915463
117	1.33708		-1.69734	-5.56864	430.18711	430.178714
116	1.3509		-1.68352	-5.52330	430.14177	430.133374
115	1.3042		-1.73022	-5.67651	430.29499	430.286587
114	1.31061		-1.72381	-5.65548	430.27396	430.265557
112	1.28695		-1.74747	-5.73310	430.35158	430.343181
111	1.21034		-1.82408	-5.98444	430.60292	430.594523
110	1.20224	-0.31095	-1.83218	-6.01102	430.62950	430.621097
109	1.45295		-1.89242	-6.20865	430.82713	430.818729
108	1.40519		-1.94018	-6.36534	430.98382	430.975421
107	1.45088		-1.89449	-6.21544	430.83392	430.825521
106	1.40761		-1.93776	-6.35740	430.97588	430.967481
105	1.41189		-1.93348	-6.34336	430.96184	430.953439
104	1.43042		-1.91495	-6.28257	430.90105	430.892646
103	1.41236		-1.93301	-6.34182	430.96030	430.951897
102	1.29544		-2.04993	-6.72541	431.34389	431.335488
101	1.30917		-2.03620	-6.68036	431.29884	431.290443
100	1.26124	0.26727	-2.08413	-6.83761	431.45609	431.447692
SPIKE	0.73941		-2.33869	-7.67277	432.29125	432.282849
C1	1.38519		-1.69291	-5.55410	430.17257	430.164174
100	0.99437	-0.20384	-2.08373	-6.83630	431.45478	431.446376
110	1.45104	0.29331	-1.83090	-6.00681	430.62529	430.616888
122	1.62016	-0.06675	-1.36847	-4.48967	429.10814	429.099744
133	1.89445	0.69777	-1.16093	-3.80877	428.42724	428.418844
143	1.70561	0.91406	-0.65199	-2.13907	426.75754	426.749143
153	1.67272	-0.80047	0.22918	0.75188	423.86660	423.858197
164	1.67847	0.60562	1.07325	-0.56554	426.47391	426.465511
3	3.26954	1.29395	2.09878	6.88567	417.73281	417.724407
4	1.36207	-0.62010	2.16730	7.11047	417.50800	417.499603
E-145	1.27594		1.46107	4.79348	419.82500	419.8166

closure error

0.00802 distributed error
 0.00040

-0.00000
 -0.00000

122889P1.WK1
 FEB. 18, 1994 F

SALINE COUNTY -- GALATIA SITE -- PANEL 1
 TRANSVERSE & LONGITUDINAL LINES, STARTING FROM E145
 DATE: 01/11/90
 INSTRUMENT: NA-2 WILD TO LEVEL

M100 = 431.4476 FT

M100 ELEVATION CORRECTION FOR E145 = -0.0094 FT

MONUMENT #		ROD READING (FEET)		METERS	FEET	ELEVATION (FEET)	CORRECTED ELEVATION (FEET)
E145		1.52969		1.52969	5.01860695	419.825	419.8156
1	1.95588	1.29338	0.66215315	1.95588	6.41685110	418.426755	418.4173558
2	1.72095	2.47958	-0.7589768	2.38310315	7.81848484	417.025122	417.0157221
C2		0.60691		0.51008631	1.67349118	423.170115	423.1607157
166	0.01058	2.14932	-2.1390868	-0.0862436	-0.2829482	425.126555	425.1171552
165		1.70198		-0.5339305	-1.7517192	426.595326	426.5859262
164		1.74127		-0.4946405	-1.6228166	426.466423	426.4570235
163		1.92232		-0.3135905	-1.0288277	425.872434	425.8630347
162		1.87129		-0.3646205	-1.1962470	426.039853	426.0304539
161		1.82216		-0.4137505	-1.3574327	426.201039	426.1916396
160		1.81872		-0.4171905	-1.3687186	426.212325	426.2029256
159	1.91675	1.14587	0.77053315	-0.3191605	-1.0471018	425.890708	425.8813088
158		1.34252		-0.1228573	-0.4030704	425.246677	425.2372774
157		1.45524		-0.0101373	-0.0332586	424.876865	424.8674656
156		1.54298		0.07760263	0.25459871	424.589008	424.5796082
155		1.61911		0.15373263	0.50436601	424.339240	424.3298409
154		1.72525		0.25987263	0.85259012	423.991016	423.9816168
153		1.76927		0.30389263	0.99701094	423.846596	423.8371960
152		1.76922		0.30384263	0.99684690	423.846760	423.8373600
151		1.74655		0.28117263		423.921135	423.9117357
150		1.73409		0.26871263	0.88159240	423.962014	423.9526145
149	1.7091	1.74483	-0.0360768	0.24372263	0.79960520	424.044001	424.0346017
148		1.65932		0.15786578	0.51792608	424.325680	424.3162808
147		1.67125		0.16979578	0.55706602	424.286540	424.2771409
146		1.6897		0.18824578	0.61759678	424.226010	424.2166101
145		1.63947		0.13801578	0.45280220	424.390804	424.3814047
144		1.57784		0.07638578	0.25060649	424.593000	424.5836004
143		1.57774		0.07628578	0.25027841	424.593328	424.5839285
142		1.52488		0.02342578	0.07685533	424.766751	424.7573516
141		1.59557		0.09411578	0.30877508	424.534831	424.5254318
140		1.61198		0.11052578	0.36261301	424.480993	424.4715939
139	1.55809	1.55715	0.00059315	0.05663578	0.18581069	424.657796	424.6483962
138		1.54432		0.04345894	0.14258011	424.701026	424.6916268
137		1.38214		-0.1187210	-0.3895000	425.233106	425.2237069
136		1.40668		-0.0941810	-0.3089891	425.152596	425.1431961
135		1.41168		-0.0891810	-0.2925851	425.136192	425.1267921
134		1.42537		-0.0754910	-0.2476710	425.091278	425.081878
133		1.27921		-0.2216510	-0.7271927	425.570799	425.5613997
167		1.42886		-0.0720010	-0.2362210	425.079828	425.0704280
168		1.50346		0.00259894	0.00852662	424.835080	424.8256803
169		1.61236		0.11149894	0.36580574	424.477801	424.4684012
170		1.5321		0.03123894	0.10248873	424.741118	424.7317182
171		1.80816		0.30729894	1.00818638	423.835420	423.8260205
TP172		1.82912		0.32825894	1.07695195	423.766655	423.757255
172		1.73298		0.23211894	0.76153584	424.082071	424.0726711
173	1.77125	1.1219	0.64900315	0.27038894	0.88709205	423.956514	423.9471148
TP174		1.32533		0.47347210	1.55336728	423.290239	423.2808396
174		1.06604		0.21418210	0.70268865	424.140918	424.1315183
175		1.13065		0.27879210	0.91466113	423.928945	423.9195458
TP176		1.39814		0.54628210	1.79224233	423.051364	423.0419646
176		1.15779		0.30593210	1.00370205	423.839904	423.8305049
177		1.09607		0.24421210	0.80121107	424.042395	424.0329958
178		1.00532		0.15346210	0.50347847	424.340128	424.3307284
179		1.08571		0.23385210	0.76722198	424.076384	424.0669849
180		1.05988		0.20802210	0.68247892	424.161128	424.1517280

011190P1.WK1
 FEB. 18, 1994 F

SALINE COUNTY -- GALATIA SITE -- PANEL 1
 TRANSVERSE & LONGITUDINAL LINES, STARTING FROM E145
 DATE: 01/11/90
 INSTRUMENT: NA-2 WILD TO LEVEL

M100 = 431.4476 FT

M100 ELEVATION CORRECTION FOR E145 = -0.0094 FT

MONUMENT #		ROD READING (FEET)		METERS	FEET	ELEVATION (FEET)	CORRECTED ELEVATION (FEET)
181		0.99768		0.14582210	0.47841316	424.365193	424.3557937
182		0.89562		0.04376210	0.14357471	424.700032	424.6906322
173	1.1219	1.72238	-0.6008268	0.27004210	0.88595413	423.957652	423.9482528
MPBXD		1.35821		-0.0944747	-0.3099527	425.153559	425.1441596
MPBXS		1.42508		-0.0276047	-0.0905656	424.934172	424.9247725
132		1.29831		-0.1543747	-0.5064726	425.350079	425.3406795
131		1.24961		-0.2030747	-0.6662475	425.509854	425.5004545
130		1.24573		-0.2069547	-0.6789771	425.522584	425.5131840
129		1.25989		-0.1927947	-0.6325209	425.476127	425.4667279
128		1.24738		-0.2053047	-0.6735637	425.517170	425.5077707
127		1.18496		-0.2677247	-0.8783513	425.721958	425.7125582
126		1.14487		-0.3078147	-1.0098785	425.853485	425.8440855
125		1.13088		-0.3218047	-1.0557769	425.899383	425.8899839
124	1.02668	2.24467	-1.2183368	-0.4260047	-1.3976363	426.241243	426.2318432
123		2.20147		-0.4695515	-1.5405048	426.384111	426.3747117
122		2.04566		-0.6253615	-2.0516862	426.895293	426.8858932
121		1.75445		-0.9165715	-3.0070880	427.850694	427.8412949
120		1.56731		-1.1037115	-3.6210569	428.464663	428.4552639
119		1.38245		-1.2885715	-4.2275456	429.071152	429.0617525
118		1.21178		-1.4592415	-4.7874797	429.631086	429.6216867
117		1.07934		-1.5916815	-5.2219889	430.065595	430.0561958
116		1.07822		-1.5928015	-5.2256634	430.069270	430.0598703
115		1.0257		-1.6453215	-5.3979710	430.241577	430.2321779
114	1.02554	1.48072	-0.4555268	-1.6454815	-5.3984959	430.242102	430.2327029
112		1.45509		-1.6714584	-5.4837207	430.327327	430.3179277
111		1.37523		-1.7513184	-5.7457254	430.589332	430.5799324
110		1.36581		-1.7607384	-5.7766306	430.620237	430.6108375
109		1.30487		-1.8216784	-5.9765625	430.820169	430.8107695
108		1.25728		-1.8692684	-6.1326958	430.976302	430.9669027
107		1.30272		-1.8238284	-5.9836162	430.827223	430.8178232
106		1.2591		-1.8674484	-6.1267247	430.970331	430.9609317
105		1.26318		-1.8633684	-6.1133391	430.956946	430.9475460
104		1.2825		-1.8440484	-6.0499540	430.893561	430.8841610
103		1.26452		-1.8620284	-6.1089428	430.952549	430.9431498
102		1.14702		-1.9795284	-6.4944368	431.338043	431.3286438
101	1.1613	1.21787	-0.0569168	-1.9652484	-6.4475870	431.291193	431.2817939
100		1.16766		-2.0158052	-6.6134539	431.457060	431.4476608
SPIKE		0.91495		-2.2685152	-7.4425448	432.286151	432.2767518
C1		1.5615		-1.6219652	-5.3213436	430.164950	430.1555505
101	1.21787	1.19192	0.02560315	-1.9655952	-6.4487249	431.292331	431.2829318
114	1.51173	0.85114	0.66024315	-1.6461321	-5.4006302	430.244237	430.2348371
126	2.1899	1.19437	0.99518315	-0.3077189	-1.0095643	425.853171	425.8437712
139	1.56146	1.73459	-0.1734768	0.05902421	0.19364662	424.649960	424.6405603
152	1.97827	2.50439	-0.5264668	0.30235736	0.99197405	423.851632	423.8422329
164	1.7068	0.81654	0.88991315	-0.4955794	-1.6258971	426.469504	426.4601040
3	3.05615	0.77741	2.27839315	1.74368368	5.72067743	419.122929	419.1135295
4	1.29839	2.29858	-1.0005368	2.26431684	7.42877069	417.414836	417.4054362
E-145		1.5643		1.52969	5.01860695	419.825	419.8156

closure error -0.00659
 -0.0003468

distributed error 0
 0

011190P1.WK1
 FEB. 18, 1994 F

SALINE COUNTY -- GALATIA SITE -- PANEL 1
 TRANSVERSE & LONGITUDINAL LINES, STARTING FROM E145
 DATE: 01/31/90
 INSTRUMENT: NA-2 WILD TO LEVEL

M100 = 431.4476 FT
 M100 ELEVATION CORRECTION FOR E145 = 0.0198 FT

MONUMENT #		ROD READING (METERS)		METERS	FEET	ELEVATION (FEET)	CORRECTED ELEVATION (FEET)
E145		1.33028		1.33028	4.36438	419.82500	419.8448
1	1.92816	1.108	0.72011	1.82816	5.99783	418.19156	418.21135
2	1.32289	2.76921	-1.44637	2.04300	6.70268	417.48670	417.50650
C2		1.0449		0.31864	1.04541	423.14397	423.16377
166	0.44692	2.09355	-1.64668	-0.27934	-0.91644	425.10583	425.12562
165		1.64595		-0.72698	-2.38509	426.57447	426.59426
164		1.68592		-0.68701	-2.25395	426.44333	426.46313
163		1.86628		-0.50665	-1.66223	425.85161	425.87140
162		1.81641		-0.55652	-1.82584	426.01522	426.03502
161		1.76713		-0.60580	-1.98752	426.17690	426.19670
160		1.76503		-0.60790	-1.99441	426.18379	426.20359
159		1.86327		-0.50966	-1.67210	425.86148	425.88128
158		2.06037		-0.31256	-1.02546	425.21484	425.23463
157	2.17427	1.35199	0.82223	-0.19866	-0.65177	424.84116	424.86095
156		1.43925		-0.11145	-0.36565	424.55503	424.57482
155		1.51643		-0.03427	-0.11243	424.30182	424.32161
154		1.62181		0.07111	0.23330	423.95609	423.97588
153		1.66792		0.11722	0.38457	423.80481	423.82460
152		1.66805		0.11735	0.38500	423.80438	423.82418
151		1.64698		0.09628	0.31587	423.87351	423.89330
150		1.63895		0.08825	0.28953	423.89985	423.91965
149		1.62153		0.07083	0.23238	423.95701	423.97680
148		1.5516		0.00090	0.00295	424.18643	424.20623
147		1.59507		0.04437	0.14557	424.04382	424.06361
146		1.69033		0.13963	0.45810	423.73129	423.75108
145	1.63639	1.66509	-0.02875	0.08569	0.28113	423.90825	423.92805
144		1.628		0.04855	0.15929	424.03009	424.04989
143		1.64358		0.06413	0.21040	423.97898	423.99877
142		1.59468		0.01523	0.04997	424.13941	424.15921
141		1.66334		0.08389	0.27523	423.91415	423.93395
140		1.67647		0.09702	0.31831	423.87107	423.89087
139		1.62078		0.04133	0.13560	424.05378	424.07358
138		1.60725		0.02780	0.09121	424.09817	424.11797
137	1.44602	1.45186	-0.00589	-0.13343	-0.43775	424.62713	424.64693
136		1.47709		-0.10825	-0.35513	424.54452	424.56431
135		1.4797		-0.10564	-0.34657	424.53595	424.55575
134		1.49322		-0.09212	-0.30221	424.49160	424.51139
133		1.34264		-0.24270	-0.79624	424.98562	425.00541
167		1.45122		-0.13412	-0.44001	424.62939	424.64919
168		1.49866		-0.08668	-0.28437	424.47375	424.49354
169		1.58098		-0.00436	-0.01429	424.20367	424.22347
170		1.48171		-0.10363	-0.33998	424.52936	424.54915
171		1.74156		0.15622	0.51254	423.67684	423.69664
TP172		1.75512		0.16978	0.55703	423.63235	423.65215
172		1.65792		0.07258	0.23813	423.95125	423.97104
173		1.68556		0.10022	0.32882	423.86057	423.88036
TP174		1.88355		0.29821	0.97838	423.21100	423.23080
174	1.62755	1.09356	0.53394	0.04221	0.13850	424.05089	424.07068
175		1.15622		0.10483	0.34391	423.84547	423.86526
TP176		1.41863		0.36724	1.20483	422.98455	423.00435
176		1.18089		0.12950	0.42485	423.76453	423.78433
177		1.11816		0.06677	0.21905	423.97034	423.99013

SALINE COUNTY -- GALATIA SITE -- PANEL 1
 TRANSVERSE & LONGITUDINAL LINES, STARTING FROM E145
 DATE: 01/31/90
 INSTRUMENT: NA-2 WILD TO LEVEL

M100 = 431.4476 FT
 M100 ELEVATION CORRECTION FOR E145 = 0.0198 FT

MONUMENT #		ROD READING (METERS)		METERS	FEET	ELEVATION (FEET)	CORRECTED ELEVATION (FEET)
178		1.01813		-0.03326	-0.10913	424.29851	424.31831
179		1.10207		0.05068	0.16626	424.02312	424.04292
180		1.07387		0.02248	0.07374	424.11564	424.13544
181		1.01076		-0.04063	-0.13331	424.32269	424.34249
182		0.90664		-0.14475	-0.47491	424.66429	424.68409
174	1.09356	1.56848	-0.47497	0.04217	0.13834	424.05104	424.07084
MPBXD		1.28487		-0.24149	-0.79228	424.98167	425.00146
MPBXS		1.38704		-0.13932	-0.45708	424.64647	424.66626
132		1.34674		-0.17962	-0.58930	424.77868	424.79848
131		1.29632		-0.23004	-0.75472	424.94410	424.96390
130		1.28612		-0.24024	-0.78818	424.97757	424.99736
129		1.29716		-0.22920	-0.75196	424.94135	424.96114
128		1.28567		-0.24069	-0.78966	424.97904	424.99884
127		1.22185		-0.30451	-0.99904	425.18842	425.20822
126		1.18389		-0.34247	-1.12358	425.31296	425.33276
125		1.17055		-0.35581	-1.16735	425.35673	425.37652
124		1.0658		-0.46056	-1.51101	425.70039	425.72019
123	1.02378	2.4567	-1.43297	-0.50258	-1.64887	425.83825	425.85805
122		2.30071		-0.65862	-2.16080	426.35018	426.36997
121		1.9966		-0.96273	-3.15852	427.34790	427.36770
120		1.78709		-1.17224	-3.84588	428.03526	428.05506
119		1.57677		-1.38256	-4.53590	428.72528	428.74508
118		1.38757		-1.57176	-5.15663	429.34601	429.36580
117		1.21409		-1.74524	-5.72578	429.91516	429.93496
116		1.2023		-1.75703	-5.76446	429.95384	429.97364
115		1.1416		-1.81773	-5.96360	430.15299	430.17278
114		1.13467		-1.82466	-5.98634	430.17572	430.19552
112		1.10639		-1.85294	-6.07912	430.26850	430.28830
111		1.02593		-1.93340	-6.34309	430.53248	430.55227
110		1.01635		-1.94298	-6.37452	430.56391	430.58370
109	0.95428	1.38277	-0.42854	-2.00505	-6.57816	430.76755	430.78734
108		1.33375		-2.05412	-6.73915	430.92853	430.94832
107		1.37796		-2.00991	-6.59410	430.78348	430.80328
106		1.3337		-2.05417	-6.73931	430.92869	430.94849
105		1.33708		-2.05079	-6.72822	430.91760	430.93740
104		1.35358		-2.03429	-6.67409	430.86347	430.88326
103		1.33626		-2.05161	-6.73091	430.92029	430.94009
102		1.2184		-2.16947	-7.11759	431.30697	431.32676
101		1.23187		-2.15600	-7.07339	431.26278	431.28257
100		1.18156		-2.20631	-7.23845	431.42783	431.44763
109	1.38277	1.03302	0.34970	-2.00510	-6.57832	430.76770	430.78750
124	2.57827	1.3507	1.22752	-0.45989	-1.50882	425.69820	425.71800
137	1.67641	1.42627	0.25009	-0.13423	-0.44039	424.62977	424.64957
151	1.65641	2.01317	-0.35681	0.09586	0.31450	423.87488	423.89468
163	1.41001	1.13375	0.27621	-0.50735	-1.66450	425.85389	425.87368
3	3.21163	0.76652	2.44506	1.57049	5.15245	419.03693	419.05673
4	1.13845	1.82996	-0.69156	1.94237	6.37252	417.81686	417.83666
E-145		1.21792		1.33028	4.36438	419.82500	419.8448
closure error		-0.00081		distributed error		0.00000	
		-0.00005				0.00000	

013190P1.WK1
 FEB. 18, 1994 F

SALINE COUNTY -- GALATIA SITE -- PANEL 1
 TRANSVERSE & LONGITUDINAL LINES, STARTING FROM E145
 DATE: 04/05/90
 INSTRUMENT: NA-2 WILD TO LEVEL

M100 = 431.4476 FT
 M100 ELEVATION CORRECTION FOR E145 = 0.0317 FT

MONUMENT #	ROD READING (METERS)		METERS	FEET	ELEVATION (FEET)	CORRECTED ELEVATION (FEET)
E145			1.29222	4.23951537	419.825	419.8567
1	1.26367	0.73296722	1.99677	6.55100301	417.513512	417.545212
2	1.14672	-1.8397027	1.87968722	6.16687783	417.897637	417.929337
C2			0.28106444	0.92211622	423.142399	423.174099
166			-0.3177755	-1.0425580	425.107073	425.138773
165	0.24238	-1.2651527	-0.7644055	-2.5078617	426.572377	426.604077
164			-0.7248783	-2.3781808	426.442696	426.474396
163			-0.5437783	-1.7840279	425.848543	425.880243
162			-0.5937183	-1.9478711	426.012386	426.044086
161			-0.6431183	-2.1099426	426.174458	426.206158
160			-0.6448683	-2.1156840	426.180199	426.211899
159			-0.5468083	-1.7939687	425.858484	425.890184
158			-0.3500283	-1.1483729	425.212888	425.244588
157			-0.2356183	-0.7730166	424.897532	424.869232
156			-0.1471683	-0.4828298	424.547345	424.579045
155	2.22256	0.66900722	-0.0693283	-0.2274523	424.291967	424.323667
154			0.03582888	0.11754741	423.946967	423.978667
153			0.08211888	0.26941565	423.795099	423.826799
152			0.08299888	0.27230275	423.792212	423.823912
151			0.06126888	0.20101097	423.863504	423.895204
150			0.05317888	0.17446929	423.890046	423.921746
149			0.03566888	0.11702249	423.947492	423.979192
148			-0.0337211	-0.1106322	424.175147	424.206847
147			0.01233888	0.04048142	424.024039	424.055739
146			0.10833888	0.35543822	423.709077	423.740777
145			0.05431888	0.17820941	423.886305	423.918005
144			0.01896888	0.06229874	424.002216	424.033916
143	1.75971	-0.0260127	0.03682888	0.12082821	423.943687	423.975387
142			-0.0135738	-0.0445332	424.103048	424.140748
141			0.05786611	0.18991275	423.874602	423.906302
140			0.07164611	0.23505656	423.829458	423.861158
139			0.01630611	0.05349708	424.011018	424.042718
138			0.00330611	0.01084668	424.053668	424.085368
137			-0.1601038	-0.5252688	424.589784	424.621484
136			-0.1362238	-0.4469233	424.511438	424.543138
135			-0.133838	-0.4395743	424.504089	424.535789
134			-0.1206738	-0.3959068	424.460422	424.492122
133			-0.2693238	-0.8835978	424.948113	424.979813
167	1.58781	0.19000722	-0.1610838	-0.5284840	424.592999	424.624699
168			-0.1129366	-0.3705226	424.435037	424.466737
169			-0.0338966	-0.1112081	424.175723	424.207423
170			-0.1325666	-0.4349247	424.499440	424.531140
171			0.12725333	0.41749273	423.647022	423.678722
TP172			0.05093333	0.16729892	423.897216	423.928916
172			0.04309333	0.14138060	423.923134	423.954834
173			0.07008333	0.2299294	423.834585	423.866285
TP174			0.26411333	0.86650302	423.198012	423.229712
174	1.56773	0.30087722	0.00884333	0.02901320	424.035502	424.067202
175			0.06911055	0.22673791	423.837777	423.869477
TP176			0.33109055	1.08624189	422.978273	423.009973
176			0.03944055	0.30655977	423.757955	423.789655
177			0.02760055	0.09055190	423.973963	424.005663
178			-0.0622194	-0.2041295	424.266644	424.300344
179			0.02042055	0.06699575	423.997519	424.029219
180			-0.0038094	-0.0124960	424.077013	424.108713
181			-0.0688094	-0.2257500	424.290265	424.321965
182			-0.1729094	-0.5672813	424.631796	424.663496
174	1.2689	-0.3585127	0.01089055	0.03572973	424.028785	424.060485

040590P1.WK1
 FEB. 18, 1994 F

SALINE COUNTY --- GALATIA SITE --- PANEL 1
 TRANSVERSE & LONGITUDINAL LINES, STARTING FROM E145
 DATE: 04/05/90
 INSTRUMENT: NA-2 WILD TO LEVEL

M100 = 431.4476 FT
 M100 ELEVATION CORRECTION FOR E145 = 0.0317 FT

MONUMENT #	ROD READING (METERS)		METERS	FEET	ELEVATION (FEET)	CORRECTED ELEVATION (FEET)
MPBXD	1.34677		-0.2697522	-0.8850030	424.949518	424.981218
MPBXS	1.44938		-0.1671422	-0.5483602	424.612875	424.644575
BP4	1.63582		0.01929777	0.06331214	424.001203	424.032903
DP1	1.57846		-0.0380622	-0.1248745	424.189389	424.221089
BP5	1.36278		-0.2537422	-0.8324774	424.896992	424.928692
TDR	1.21349		-0.4030322	-1.3222681	425.386783	425.418483
PW	0.93642		-0.6801022	-2.2312793	426.295794	426.327494
132	1.40947		-0.2070522	-0.6792969	424.743812	424.775512
131	1.35728		-0.2592422	-0.8505218	424.915037	424.946737
130	1.34836		-0.2681622	-0.8797866	424.944301	424.976001
129	1.36077		-0.2557522	-0.8390718	424.903587	424.935287
128	1.3504		-0.2661222	-0.8730937	424.937609	424.969309
127	1.28598		-0.3305422	-1.0844429	425.148958	425.180658
BP3	0.92852		-0.6880022	-2.2571976	426.321713	426.353413
126	1.24845		-0.3680722	-1.2075713	425.272086	425.303786
125	1.29472		-0.3818022	-1.2526167	425.317132	425.348832
124	2.56677	1.12908	-1.4378227	-4.8374422	425.663715	425.695415
123	2.52504		-0.529305	-1.7365438	425.801059	425.832759
122	2.36665		-0.687695	-2.2561897	426.320705	426.352405
121	2.06245		-0.991895	-3.2542091	427.318724	427.350424
120	1.85372		-1.200625	-3.9390105	428.003525	428.035225
119	1.64211		-1.412235	-4.6332605	428.697775	428.729475
118	1.45278		-1.601565	-5.2544144	429.318929	429.350629
117	1.27713		-1.777215	-5.8306869	429.895202	429.926902
116	1.26515		-1.789195	-5.8699909	429.934506	429.966206
115	1.20367		-1.850675	-6.0716945	430.136209	430.167909
114	1.19627		-1.858075	-6.0959724	430.160487	430.192187
112	1.10639		-1.947955	-6.3908507	430.455366	430.487066
111	1.4962	1.08707	-0.4092627	-1.967275	430.518751	430.550451
110	1.48561		-1.977977	-6.4894151	430.553930	430.585630
109	1.42318		-2.0404277	-6.6942354	430.758750	430.790450
108	1.37362		-2.0899877	-6.8568319	430.921347	430.953047
107	1.41793		-2.0456777	-6.7114596	430.775975	430.807675
106	1.37345		-2.0901577	-6.8573896	430.921905	430.953605
105	1.37655		-2.0870577	-6.8472191	430.911734	430.943434
104	1.39322		-2.0703877	-6.7925282	430.857043	430.888743
103	1.37583		-2.0877777	-6.8495813	430.914096	430.945796
102	1.25801		-2.2055977	-7.2361251	431.300640	431.332340
101	1.27185		-2.1917577	-7.1907189	431.255234	431.286934
100	1.22286		-2.2407477	-7.3514453	431.415960	431.447660
111	1.49615	1.08707	-0.4092627	-1.9674577	430.518751	430.550451
124	2.55977	1.12908	-1.4378227	-4.8374422	425.663715	425.695415
136	1.60415	1.19429722	-0.1368533	-0.4489884	424.513503	424.545203
BP6	1.04275		-0.5039561	-1.6533792	425.717894	425.749594
DP2	1.11712		-0.4295861	-1.4093861	425.473901	425.505601
148	1.58975	1.51344	-0.0764427	-0.0332661	424.173654	424.205354
BP7	1.20798		-0.4151688	-1.3620860	425.426601	425.458301
DP3	1.20881		-0.4143388	-1.3593630	425.423878	425.455578
159	1.07572	1.07572	-0.7926627	-0.5474288	425.860046	425.892246
3	2.80857	0.61815	2.19028722	0.39275833	1.28856154	422.775953
4	2.44837	1.67219	0.77604722	2.22284555	7.29271169	416.771803
5	1.35258	1.951	-0.5985527	1.90310277	6.24369959	417.820815
E-145	1.34025		1.29222	4.23951537	419.825	419.8567

closure error -0.00239
 -0.0001327

distributed error 0
 -0.0001327

040590P1.WK1
 FEB. 18, 1994 F

SALINE COUNTY -- GALATIA -- PANELS 1 & 2
 TRANSVERSE & LONGITUDINAL LINES, STARTING FROM E145
 DATE: 06/25/90
 INSTRUMENT: NA-2 WILD TO LEVEL

M100 = 431.4476 FT
 M100 ELEVATION CORRECTION FOR E145 = 0.03034 FT

MONUMENT #	ROD READING (METERS)		METERS	FEET	ELEVATION (FEET)	CORRECTED ELEVATION (FEET)
E145	1.37258		1.37258	4.50316046	419.825	419.85534
66	1.56455		1.56455	5.13297564	419.195184	419.225524
67	1.45745		1.45745	4.78160196	419.546558	419.576898
68	1.38214		1.38214	4.53452491	419.793635	419.823975
69	1.37643		1.37643	4.51579154	419.812368	419.842708
70	1.30962		1.30962	4.29660129	420.031559	420.061899
71	0.97108		0.97108	3.18591926	421.142241	421.172581
72	1.07788		1.07788	3.53630870	420.791851	420.822191
73	0.99185		0.99185	3.25406148	421.074098	421.104438
74	1.20808		1.20808	3.96346886	420.364691	420.395031
75	1.38336		1.38336	4.53852748	419.789632	419.819972
76	1.68371		1.68371	5.52391576	418.804244	418.834584
77	1.85722		1.85722	6.09316737	418.234993	418.265333
78	1.99321		1.99321	6.53932336	417.788837	417.819177
79	2.11795		2.11795	6.94857036	417.379590	417.409930
80	2.23481	0.89626470	2.23481	7.33196464	416.996195	417.026535
81	1.38939		2.28565470	7.49877595	416.829384	416.859724
82	1.47461		2.37087470	7.77836573	416.549794	416.580134
83	1.49211		2.38837470	7.83577973	416.492380	416.522720
84	1.58428		2.48054470	8.13817107	416.189989	416.220329
85	1.55062		2.44688470	8.02773934	416.300421	416.330761
86	1.52239		2.41865470	7.93512235	416.393038	416.423378
87	1.51682		2.41308470	7.91684830	416.411312	416.441652
88	1.47478		2.37104470	7.77892347	416.549236	416.579576
89	1.42461		2.32087470	7.61432573	416.713834	416.744174
90	1.3437		2.23996470	7.34887620	416.979284	417.009624
91	1.28421		2.18047470	7.15370141	417.174459	417.204799
92	1.1632	-1.7808052	2.05946470	6.75669180	417.571468	417.601808
93	2.79611		1.91156941	6.27147692	418.056683	418.087023
94	2.63978		1.75523941	5.75858946	418.569571	418.599911
95	2.44052		1.55597941	5.10485725	419.223303	419.253643
96	2.15168		1.26713941	4.15723098	420.170929	420.201269
97	1.93013		1.04558941	3.43036974	420.897790	420.928130
98	1.52472		0.64017941	2.10030061	422.227859	422.258199
99	1.35482		0.47027941	1.54289269	422.785267	422.815607
c2	1.25119		0.36664941	1.20290339	423.125257	423.155597
99a	1.02815		0.14360941	0.47115375	423.857006	423.887346
166	0.6479	-1.4454552	-0.2366405	-0.7763704	425.104530	425.134870
165-2	1.77178		-0.5582158	-1.8313946	426.159555	426.189895
165	1.64559		-0.6844058	-2.2453988	426.573559	426.603899
164-2	1.66394		-0.6660558	-2.1851961	426.513356	426.543696
164	1.68634		-0.6436558	-2.1117062	426.439866	426.470206
163-2	1.75168		-0.5783158	-1.8973387	426.225499	426.255839
163	1.86702		-0.4629758	-1.5189312	425.847091	425.877431
162	1.81726		-0.5127358	-1.6821838	426.010344	426.040684
161	1.76816		-0.5618358	-1.8432711	426.171431	426.201771
160	1.76669		-0.5633058	-1.8480939	426.176254	426.206594
159	1.86435		-0.4656458	-1.5276910	425.855851	425.886191
158	2.06098		-0.2690158	-0.8825873	425.210747	425.241087
157	2.17548	0.90494470	-0.1545158	-0.5069357	424.835096	424.865436

62590P12.WK1
 FEB. 18, 1994 F

SALINE COUNTY -- GALATIA -- PANELS 1 & 2
 TRANSVERSE & LONGITUDINAL LINES, STARTING FROM E145
 DATE: 06/25/90
 INSTRUMENT: NA-2 WILD TO LEVEL

M100 = 431.4476 FT
 M100 ELEVATION CORRECTION FOR E145 = 0.03034 FT

		ROD				ELEVATION	CORRECTED	
MONUMENT #		READING		METERS	FEET	(FEET)	ELEVATION	
		(METERS)					(FEET)	
dp3 bp7	156	1.35838		-0.0666711	-0.2187347	424.546895	424.577235	
	155	1.43614		0.01108882	0.03638021	424.291780	424.322120	
		1.09595		-0.3291011	-1.0797151	425.407875	425.438215	
		1.09217		-0.3328811	-1.0921165	425.420277	425.450617	
	154	1.54232		0.11726882	0.38473555	423.943424	423.973764	
	153	1.58832		0.16326882	0.53565235	423.792508	423.822848	
	152	1.58948		0.16442882	0.53945808	423.788702	423.819042	
	151	1.56817		0.14311882	0.46954423	423.858616	423.888956	
dp2 bp6	150	1.56122		0.13616882	0.44674267	423.881417	423.911757	
	149	1.54315		0.11809882	0.38745862	423.940701	423.971041	
	148	1.47572		0.05066882	0.16623427	424.161926	424.192266	
		1.08255		-0.3425011	-1.1236778	425.451838	425.482178	
		1.0079		-0.4171511	-1.3685895	425.696750	425.727090	
	147	1.52068	1.46831	0.05237470	0.09562882	0.31373904	424.014421	424.044761
	146		1.421		0.04832352	0.15853983	424.169620	424.199960
	145		1.51092		0.13824352	0.45354937	423.874611	423.904951
	144		1.4736		0.10092352	0.33110991	423.997050	424.027390
	143		1.49207		0.11939352	0.39170629	423.936454	423.966794
	142		1.44219		0.06951352	0.22805998	424.100100	424.130440
	141		1.51467		0.14199352	0.46585237	423.862308	423.892648
	140		1.52851		0.15583352	0.51125864	423.816901	423.847241
	139		1.47321		0.10053352	0.32983040	423.998330	424.028670
	138		1.45872		0.08604352	0.28229161	424.045868	424.076208
	137	1.29634	1.27901	0.01733470	-0.0763364	-0.2504446	424.578605	424.608945
	136		1.3038		-0.0515417	-0.1690982	424.497258	424.527598
	135		1.30555		-0.0497917	-0.1633568	424.491517	424.521857
	134		1.31849		-0.0368517	-0.1209032	424.449063	424.479403
	133		1.17141		-0.1839317	-0.6034433	424.931603	424.961943
	167		1.28		-0.0753417	-0.2471812	424.575341	424.605681
	168		1.3248		-0.0305417	-0.1002014	424.428361	424.458701
	169		1.4057		0.05035823	0.16521529	424.162945	424.193285
	170		1.30732		-0.0480217	-0.1575498	424.485710	424.516050
tp172	171		1.56735		0.21200823	0.69555661	423.632603	423.662943
			1.57915		0.22380823	0.73427005	423.593890	423.624230
	172		1.48291		0.12756823	0.41852586	423.909634	423.939974
tp174	173		1.50991		0.15456823	0.50710746	423.821053	423.851393
			1.70585		0.35050823	1.14994741	423.178213	423.208553
tp176	174	1.44864	0.91588	0.53276470	0.09329823	0.30609285	424.022067	424.052407
	175		0.9762		0.15362294	0.50400614	423.824154	423.854494
			1.23816		0.41558294	1.36344451	422.964715	422.995055
bp4 dp1	176		1.00136		0.17878294	0.58655107	423.741609	423.771949
	177		0.93501		0.11243294	0.36886999	423.959290	423.989630
	180		0.90384		0.08126294	0.26660745	424.061553	424.091893
bp5 tdr mpbx			0.93358		0.11100294	0.36417844	423.963982	423.994322
			0.86771		0.04513294	0.14807215	424.180088	424.210428
	174	0.91582	1.48841	-0.5725852	0.09324294	0.30591144	424.022249	424.052589
			1.22633		-0.1688323	-0.5539051	424.882065	424.912405
			1.07448		-0.3206823	-1.0520946	425.380255	425.410595
			1.01078		-0.3843823	-1.2610816	425.589242	425.619582

62590P12 WK1
 FEB. 18, 1994 F

SALINE COUNTY -- GALATIA -- PANELS 1 & 2
 TRANSVERSE & LONGITUDINAL LINES, STARTING FROM E145
 DATE: 06/25/90
 INSTRUMENT: NA-2 WILD TO LEVEL

M100 = 431.4476 FT
 M100 ELEVATION CORRECTION FOR E145 = 0.03034 FT

MONUMENT #		ROD READING (METERS)		METERS	FEET	ELEVATION (FEET)	CORRECTED ELEVATION (FEET)
mpbxs		1.18191		-0.2132523	-0.6996383	425.027798	425.058138
pw		0.82162		-0.5735423	-1.8816777	426.209838	426.240178
132		1.27366		-0.1215023	-0.3986249	424.726785	424.757125
131		1.22129		-0.1738723	-0.5704404	424.898600	424.928940
130		1.21225		-0.1829123	-0.6000988	424.928259	424.958599
129		1.22439		-0.1707723	-0.5602699	424.888430	424.918770
128		1.21389		-0.1812723	-0.5947183	424.922878	424.953218
127		1.15009		-0.2450723	-0.8040333	425.132193	425.162533
bp3		0.79478		-0.6003823	-1.9697344	426.297894	426.328234
126		1.11057		-0.2845923	-0.9336905	425.261851	425.292191
125		1.09638		-0.2987823	-0.9802451	425.308405	425.338745
124		0.99063		-0.4045323	-1.3271897	425.655350	425.685690
123		0.94658		-0.4485823	-1.4717089	425.799869	425.830209
122	0.7905	2.32347	-1.5329652	-0.6046623	-1.9837762	426.311936	426.342276
121		2.0207		-0.9074276	-2.9770886	427.305249	427.335589
120		1.81151		-1.1166176	-3.6633991	427.991559	428.021899
119		1.60045		-1.3276776	-4.3558448	428.684005	428.714345
118		1.41068		-1.5174476	-4.9784422	429.306602	429.336942
117		1.23466		-1.6934676	-5.5559286	429.884089	429.914429
116		1.22221		-1.7059176	-5.5967746	429.924935	429.955275
115		1.16046		-1.7676676	-5.7993640	430.127524	430.157864
114		1.15279		-1.7753376	-5.8245277	430.152688	430.183028
112		1.12335		-1.8047776	-5.9211145	430.249274	430.279614
111		1.04293		-1.8851976	-6.1849564	430.513116	430.543456
110		1.03232		-1.8958076	-6.2197657	430.547926	430.578266
109		0.9697		-1.9584276	-6.4252094	430.753369	430.783709
108	0.92071	1.30188	-0.3811652	-2.0074176	-6.5859358	430.914096	430.944436
107		1.34569		-1.9636029	-6.4421885	430.770348	430.800688
106		1.30188		-2.0074129	-6.5859203	430.914080	430.944420
105		1.30452		-2.0047729	-6.5772590	430.905419	430.935759
104		1.32113		-1.9881629	-6.5227649	430.850925	430.881265
103		1.30367		-2.0056229	-6.5800477	430.908208	430.938548
102		1.18551		-2.1237829	-6.9677070	431.295867	431.326207
101		1.19849		-2.1108029	-6.9251222	431.253282	431.283622
100		1.14851		-2.1607829	-7.0890966	431.417257	431.447597
108	1.30188	1.17368	0.12820470	-2.0074129	-6.5859203	430.914080	430.944420
121	2.27332	0.74685	1.52647470	-0.9077682	-2.9782060	427.306366	427.336706
132	1.53435	1.33452	0.19983470	-0.1202635	-0.3945605	424.722721	424.753061
146	1.64867	1.55836	0.09031470	0.19389117	0.63611817	423.692042	423.722382
160	0.80107	1.55353	-0.7524552	-0.5633941	-1.8483834	426.176543	426.206883
96	3.38183	0.43502	2.94681470	1.26491058	4.14991865	420.178241	420.208581
82	1.53941	2.66888	-1.1294652	2.36930529	7.77321680	416.554943	416.585283
e145		1.67215		1.37258	4.50316046	419.825	419.85534
closure error		-2.220E-16			0.00008		
		0.00000470			0.00000470		

62590P12.WK1
 FEB. 18, 1994 F

SALINE COUNTY -- GALATIA SITE -- PANELS 1 & 2
 TRANSVERSE LINES (PARTIAL AT PANEL 1), STARTING FROM E145
 DATE: 7/11/90
 INSTRUMENT: NA-2 WILD TO LEVEL

MONUMENT #	ROD READING (METERS)		METERS	FEET	ELEVATION (FEET)
E145	1.73843		1.73843	5.70344114	419.855
66	1.92949		1.92949	6.33027079	419.228170
67	1.82355		1.82355	5.98270284	419.575738
68	1.74771		1.74771	5.73388696	419.824554
69	1.74249		1.74249	5.71676119	419.841679
70	1.67501		1.67501	5.49537280	420.063068
71	1.3375		1.3375	4.38807	421.170371
72	1.44445		1.44445	4.73895156	420.819489
73	1.35773	0.92316888	1.35773	4.45444058	421.104000
74	0.65016		1.57332888	5.16177741	420.396663
75	0.85552		1.77868888	5.83552250	419.722918
76	1.12633		2.04949888	6.72399595	418.834445
77	1.129984		2.05315288	6.73598399	418.822457
78	1.4355		2.35866888	7.73832089	417.820120
79	1.56122		2.48438888	8.15078306	417.407658
80	1.67732		2.60048888	8.53168394	417.026757
81	1.72849		2.65165888	8.69956248	416.858878
82	1.8136		2.73676888	8.97879137	416.579649
83	1.84182		2.76498888	9.07137554	416.487065
84	1.9239	0.37823888	-2.84706888	9.34066361	416.217777
85	1.51272		2.81212777	9.22602881	416.332412
86	1.48261		2.78201777	9.12724392	416.431197
87	1.47843		2.77783777	9.11353018	416.444910
88	1.43855		2.73795777	9.08269187	416.575749
89	1.38795		2.68735777	8.81668339	416.741757
90	1.30705		2.60645777	8.55126667	417.007174
91	1.2464		2.54580777	8.35228615	417.206154
92	1.1259		2.42530777	7.95694975	417.601491
93	0.9768		2.27820777	7.46778247	418.090658
94	0.82033		2.11973777	6.95443570	418.604005
95	0.62191	-2.7479711	1.92131777	6.30345936	419.254981
96	3.07987		1.63130666	5.35199091	420.206450
97	2.85885		1.41028666	4.62686849	420.931572
98	2.45348		1.00491666	3.2969306	422.261510
99	2.28341		0.83484666	2.73896494	422.819476
c2	2.18082		0.73225666	2.40238767	423.156053
99a	1.95745		0.50888666	1.66955537	423.888885
166	1.57772		0.12915666	0.42373719	425.134703
165-2	1.25651		-0.1920533	-0.6300885	426.188529
165	1.13086		-0.3177033	-1.0423210	426.600762
164-2	1.14879		-0.2997733	-0.9834963	426.541937
164	1.17169		-0.2768733	-0.9083660	426.466807
163-2	1.23724		-0.2113233	-0.6933095	426.251750
163	1.354		-0.0945633	-0.3102433	425.866684
162	1.3033	0.24112888	-0.1452633	-0.4765799	426.035021
161	1.01191		-0.1955244	-0.6414765	426.199917
160	1.01009		-0.1973444	-0.6474476	426.205888
159	1.10772		-0.0997144	-0.3271431	425.885584
158	1.3048		0.06736555	0.31943691	425.239004
157	1.41861		0.21117555	0.69282476	424.865616
156	1.50715		0.29971555	0.98330679	424.575134
155	1.5852		0.37776555	1.23937323	424.319067
154	1.69201		0.48457555	1.58979548	423.968645
153	1.73756		0.53012555	1.73923592	423.819205
152	1.73925		0.53181555	1.74478047	423.813660
151	1.71851		0.51107555	1.67673668	423.881704
150	1.71189	0.32870888	0.50445555	1.65501778	423.903423
149	1.36419		0.48546444	1.59271174	423.965729
148	1.29541		0.41668444	1.36705832	424.191382
147	1.34156		0.46283444	1.51846724	424.039973
146	1.43789		0.55916444	1.83450670	423.723934
145	1.38399		0.50526444	1.65767158	423.900769
144	1.3464		0.46767444	1.53434631	424.024094
143	1.36468		0.48595444	1.59431934	423.964121
142	1.31545		0.43672444	1.43280555	424.125635
141	1.38824		0.50951444	1.67161498	423.886826
140	1.40185		0.52312444	1.71626667	423.842174
139	1.34645		0.46772444	1.53451035	424.023930
138	1.33191		0.45318444	1.48680752	424.071633
137	1.1693		0.29057444	0.95331663	424.605124
136	1.19346		0.31473444	1.03258076	424.525860
135	1.19532		0.31659444	1.03868305	424.519758
134	1.21015		0.33142444	1.08733731	424.471103
133	1.06296		0.18423444	0.60443636	424.954004
150	1.38269	-0.3545911	0.50396444	1.65340654	423.905034
163-2	1.02183	0.76337888	-0.2114866	-0.6938454	426.252286
92	2.89481	1.0009	1.89373888	2.42487222	417.602920
80	1.17651	-1.4063111	2.60031111	8.53110069	417.027340
E145	1.72094		1.73843	5.70344114	419.855

closure error 0 distributed error -0.00154
 -0.0001711 -0.0001711

SALINE COUNTY -- GALATIA SITE -- PANEL 1
 TRANSVERSE LINE (PARTIAL), STARTING FROM E145
 DATE: 7/26/90
 INSTRUMENT: NA-2 WILD TO LEVEL

MONUMENT #		ROD READING (METERS)		METERS	FEET	ELEVATION (FEET)
E145		1.58871		1.58871	5.21224	419.85500
75		1.59936		1.59936	5.24718	419.82006
77	2.07284	0.85131	1.22114	2.07284	6.80057	418.26667
83		1.3809		2.60204	8.53678	416.53046
86		1.40945		2.63059	8.63044	416.43680
88	1.36472	2.28289	-0.91856	2.58586	8.48369	416.58355
99A	0.05556	2.13925	-2.08408	0.35814	1.17499	423.89225
163-2		1.41831		-0.36319	-1.19154	426.25878
163		1.5349		-0.24660	-0.80904	425.87628
156	1.93267	1.20833	0.72395	0.15117	0.49597	424.57127
155		1.28641		0.22886	0.75086	424.31638
154		1.39233		0.33478	1.09836	423.96888
153		1.43857		0.38102	1.25006	423.81718
152		1.43957		0.38202	1.25334	423.81390
151		1.41888		0.36133	1.18546	423.88178
150		1.41198		0.35443	1.16283	423.90441
149		1.3941		0.33655	1.10417	423.96307
148		1.32559		0.26804	0.87940	424.18784
147		1.37128		0.31373	1.02930	424.03794
146		1.46839		0.41084	1.34790	423.71934
145		1.41468		0.35713	1.17169	423.89555
144		1.37743		0.31988	1.04948	424.01776
143	1.39602	1.52652	-0.13089	0.33847	1.11047	423.95677
142		1.47848		0.29004	0.95158	424.11566
141		1.55151		0.36307	1.19118	423.87606
140		1.56431		0.37587	1.23317	423.83407
139		1.50848		0.32004	1.05000	424.01724
138		1.49396		0.30552	1.00237	424.06487
137		1.33125		0.14281	0.46855	424.59869
136		1.35467		0.16623	0.54538	424.52186
135		1.35668		0.16824	0.55198	424.51526
134		1.3713		0.18286	0.59994	424.46730
133		1.22641		0.03797	0.12459	424.94265
143	1.52671	1.40774	0.11858	0.33827	1.10981	423.95743
157	1.13282	1.83707	-0.70464	0.06297	0.20658	424.86066
98	2.62944	0.40296	2.22609	0.85495	2.80491	422.26233
86	2.18085	1.78059	0.39987	2.63245	8.63654	416.43070
76	1.0478	2.06336	-1.01595	1.89927	6.23112	418.83612
e145		1.75319		1.58871	5.21224	419.85500
closure error		0		distributed error		-0.00000
		-0.00039				-0.00039

072690P1.WK1
 FEB. 18, 1994 F

SALINE COUNTY -- GALATIA SITE -- PANELS 1 & 2
 TRANSVERSE LINES (PARTIAL AT PANEL 1), STARTING FROM E145
 DATE: 11/13/90
 INSTRUMENT: NA-2 WILD TO LEVEL

E145 ELEVATION FROM 625.00 -- 419.825 FT
 E145 ELEVATION CORRECTION -- 0.0030 FT

MONUMENT #	ROD READING (METERS)		METERS	FEET	CORRECTED ELEVATION (FEET)
E145	1.5883		1.58830	5.21089	419.85500
66	1.77603		1.77603	5.82680	419.23910
67	1.67068		1.67068	5.48117	419.58473
68	1.59583		1.59583	5.23560	419.83030
69	1.59169		1.59169	5.22202	419.84368
70	1.52485		1.52485	5.00273	420.06317
71	1.18688		1.18688	3.89392	421.17198
72	1.28529		1.28529	4.24959	420.81631
73	1.21108		1.21108	3.97331	421.09258
74	1.42809		1.42809	4.68528	420.38062
75	1.60429		1.60429	5.26335	419.80254
76	1.90641		1.90641	6.25455	418.81134
77	2.08292		2.08292	6.83364	418.23225
78	2.22157		2.22157	7.28853	417.77737
79	2.34902		2.34902	7.70666	417.35923
80	2.46976	1.42105	2.46976	8.10279	416.96311
81	1.10491		2.52596	8.28718	416.77872
82	1.18711		2.61816	8.58967	416.47623
83	1.2259		2.64695	8.68412	416.38177
84	1.34442		2.76547	9.07296	415.99293
841	1.15069		2.57174	8.43737	416.62852
842	0.92394		2.34499	7.69345	417.37244
843	0.69268		2.11373	6.93474	418.13116
85	1.37265		2.79470	9.16886	415.89703
851	1.27604		2.69909	8.85518	416.21071
852	1.11221		2.53326	8.31113	416.75477
853	0.90193		2.32298	7.62124	417.44465
86	1.45276		2.87381	9.42841	415.63749
861	1.45457		2.87562	9.43434	415.63155
862	1.27823		2.70028	8.85909	416.20681
87	1.68908		3.09013	10.13811	414.92779
871	1.62815		3.04920	10.00383	415.06207
872	1.61547		3.03652	9.96222	415.10367
873	1.54743		2.96848	9.73900	415.32690
88	1.86515		3.28720	10.78466	414.28124
89	2.0278		3.44885	11.31500	413.75090
90	2.10389		3.52494	11.56463	413.50126
91	2.15867		3.57972	11.74436	413.32154
92	2.10398	-0.31901	3.52503	11.56493	413.50097
93	2.31758		3.41963	11.21911	413.84679
94	2.18012		3.28217	10.76813	414.29776
95	2.01323		3.11528	10.22060	414.84530
96	1.7302		2.83225	9.29203	415.77366
97	1.50695		2.60900	8.55959	416.50630
98	1.10293		2.20498	7.23409	417.83181
982	0.91789		2.01994	6.62701	418.43889
99	0.93693		2.03898	6.68947	418.37642
99a	0.60552		1.70757	5.60218	419.46371
166	0.21898	-1.84962	1.32103	4.33402	420.73187

863 too deep to read
 981 too deep to read
 983 too deep to read

11139012WK1
 FEB. 18, 1994 F

SALINE COUNTY --- GALATIA SITE --- PANELS 1 & 2
 TRANSVERSE LINES (PARTIAL AT PANEL 1), STARTING FROM E145
 DATE: 11/13/90
 INSTRUMENT: NA--2 WILD TO LEVEL

E145 ELEVATION FROM 6/25/90 = 419.825 FT
 E145 ELEVATION CORRECTION = 0.0030 FT

MONUMENT #	ROD READING (METERS)		METERS	FEET	CORRECTED ELEVATION (FEET)
165-2	1.73851		0.99094	3.25107	421.81482
165	1.60961		0.86204	2.82818	422.23772
164-2	1.63157		0.88400	2.90022	422.16567
164	1.64739		0.69976	2.95193	422.11397
163-2	1.69291		0.94534	3.10147	421.96443
163	1.74185		0.99428	3.26203	421.80366
162	1.57012		0.82255	2.69862	422.36728
161	1.34132		0.59375	1.94797	423.11792
160	1.14782		0.40025	1.31314	423.75276
159	1.05328		0.30571	1.00297	424.06292
158	1.08182		0.33425	1.09660	423.96329
157	1.4051	-0.33075	0.32660	1.07151	423.99439
156	1.41422		0.33590	1.10203	423.96387
155	1.44094		0.36262	1.18969	423.87620
154	1.5032		0.42488	1.39395	423.67194
153	1.52242		0.44410	1.45701	423.60688
152	1.50549		0.42717	1.40147	423.66443
151	1.47732		0.39900	1.30905	423.75685
150	1.4655		0.38718	1.27027	423.79563
149	1.44423		0.36591	1.20048	423.86541
148	1.37478		0.29646	0.97263	424.09326
147	1.41661		0.33829	1.10987	423.95603
146	1.51656		0.43824	1.43778	423.62811
145	1.68176	-0.22509	0.37817	1.24071	423.82519
144	1.64216		0.33876	1.11139	423.95451
143	1.65706		0.35366	1.16027	423.90562
142	1.61164		0.30824	1.01126	424.05464
141	1.67977		0.37637	1.23478	423.83112
140	1.68904		0.38564	1.26519	423.80070
139	1.63157		0.32817	1.07664	423.98925
138	1.61464		0.31124	1.02110	424.04479
137	1.4496		0.14620	0.47964	424.58626
136	1.47309		0.16969	0.55670	424.50919
135	1.47428		0.17088	0.56061	424.50529
134	1.48779		0.18439	0.60493	424.46096
133	1.34425		0.04085	0.13400	424.93189
145	1.6817	0.16776	0.37830	1.24111	423.82478
157	1.46309	0.33424	0.32745	1.07429	423.99160
166	2.12408	1.95985	1.32268	4.33945	420.72644
92	2.97503	0.18884	3.53348	11.59265	413.47324
80	1.12592	-1.31329	2.47322	8.11413	416.95176
66	1.74235		1.77636	5.82788	419.23801
E145	1.55429		1.58830	5.21089	419.85500
closure error	0.00018		error		0
	0.00183		distributed error		0

11139012.WK1
 FEB. 18, 1994 F

SALINE COUNTY -- GALATIA SITE -- PANEL 1
 TRANSVERSE & LONGITUDINAL LINES, STARTING FROM M100
 DATE: 05/22/91
 INSTRUMENT: NA-2 WILD TO LEVEL

MONUMENT #	ROD READING (METERS)		METERS	FEET	ELEVATION (FEET)
DP1	1.37329		3.56967	11.71137	424.24447
BP4	1.45318		3.64956	11.97348	423.98237
177	1.4656		3.66198	12.01422	423.94162
178	1.37519		3.57157	11.71761	424.23824
179	1.45821		3.65459	11.98998	423.96587
180	1.43427		3.63065	11.91144	424.04441
181	1.36901		3.56539	11.69733	424.25851
182	1.26413		3.46051	11.35324	424.60260
172	1.71513	-0.23715	3.67427	12.05455	423.90130
134	1.55353		3.51276	11.52465	424.43119
135	1.54105		3.50028	11.48371	424.47214
136	1.5397		3.49893	11.47928	424.47656
137	1.51674		3.47597	11.40395	424.55189
138	1.67604		3.63527	11.92659	424.02926
139	1.6986		3.65783	12.00060	423.95525
140	1.62913	0.12753	3.71580	12.19079	423.76506
141	1.61807		3.70483	12.15479	423.80106
142	1.54886		3.63562	11.92773	424.02812
143	1.60097		3.68773	12.09869	423.85716
144	1.58494		3.67170	12.04610	423.90975
145	1.62403		3.71079	12.17434	423.78150
146	1.68502		3.77178	12.37444	423.58141
147	1.58649		3.67325	12.05118	423.90466
BP6	1.07312		3.15988	10.36692	425.58893
DP2	1.1427		3.22946	10.59520	425.36065
148	1.54467		3.63143	11.91398	424.04187
149	1.61668		3.70344	12.15023	423.80562
150	1.54727	0.09106	3.72500	12.22096	423.73488
151	1.56059		3.73840	12.26495	423.69089
152	1.59208		3.76989	12.36826	423.58758
153	1.60951		3.78732	12.42545	423.53040
154	1.59322		3.77103	12.37200	423.58384
BP7	1.14827		3.32608	10.91221	425.04363
DP3	1.16239		3.34020	10.95854	424.99731
155	1.53512		3.71293	12.18139	423.77446
156	1.51138		3.68919	12.10350	423.85234
157	1.50608		3.68389	12.08611	423.86973
158	1.5152		3.69301	12.11604	423.83981
159	1.48566		3.66347	12.01912	423.93673
160	1.58045		3.75826	12.33011	423.62574
150	1.54714	0.00815	3.72495	12.22082	423.73502
140	1.52991	-0.16576	3.71587	12.19103	423.76482
130	1.33997	-0.38741	3.36017	11.02404	424.93181
120	0.79453	-1.38588	2.42732	7.96354	427.99231
109	1.33167	-0.29675	1.57857	5.17898	430.77687
100	1.42398		1.37413	4.50825	431.44760
Closure error	0.00105			0.00000	
	0.00009	Distributed error		0.00000	

052291P1.WK1
 FEB. 18, 1994 F

SALINE COUNTY --- GALATIA SITE --- PANEL 1
 TRANSVERSE & LONGITUDINAL LINES, STARTING FROM M100
 DATE: 05/22/91
 INSTRUMENT: NA-2 WILD TO LEVEL

MONUMENT #		ROD READING (METERS)		METERS	FEET	ELEVATION (FEET)
100		1.37413		1.37413	4.50825	431.44760
101		1.42569		1.42569	4.67740	431.27844
102		1.41201		1.41201	4.63252	431.32332
103		1.52948		1.52948	5.01792	430.93793
104		1.54668		1.54668	5.07435	430.88150
105		1.53096		1.53096	5.02277	430.93307
106		1.52789		1.52789	5.01270	430.94314
107		1.57287		1.57287	5.16027	430.79557
108		1.52863		1.52863	5.01513	430.94072
109	1.57858	1.26825	0.31042	1.57858	5.17901	430.77684
110		1.33085		1.64127	5.38467	430.57118
111		1.34133		1.65175	5.41905	430.53679
112		1.42245		1.73287	5.68519	430.27065
114		1.45218		1.76260	5.78273	430.17312
115		1.46068		1.77110	5.81062	430.14523
116		1.52281		1.83323	6.01445	429.94139
117		1.53671		1.84713	6.06006	429.89579
118		1.71516		2.02558	6.64551	429.31033
119		1.90477		2.21519	7.26759	428.68826
120		2.11679		2.42721	7.96318	427.99266
121	2.36103	0.97631	1.38481	2.67145	8.76448	427.19136
122		1.24398		2.93921	9.64294	426.31290
123		1.40092		3.09615	10.15783	425.79801
124		1.44278		3.13800	10.29517	425.66068
125		1.54885		3.24408	10.64316	425.31268
126		1.56355		3.25878	10.69139	425.26446
BP3		1.24337		2.93860	9.64094	426.31490
127		1.60058		3.29580	10.81288	425.14297
128		1.66507		3.36030	11.02446	424.93139
129		1.67619		3.37142	11.06094	424.89491
130	1.6648	1.36048	0.30441	3.36003	11.02357	424.93228
131		1.36938		3.36901	11.05306	424.90279
132		1.42335		3.42298	11.23012	424.72572
133		1.36337		3.36300	11.03334	424.92251
167		1.47278		3.47241	11.39229	424.56355
168		1.51659		3.51622	11.53602	424.41982
169		1.59844		3.59807	11.80456	424.15129
170		1.54511		3.54474	11.62959	424.32625
171		1.75685		3.75648	12.32427	423.63158
TP172		1.77373		3.77336	12.37965	423.57620
PW		0.95426		2.95389	9.69113	426.26472
POST		1.20311		3.20274	10.50756	425.44829
TDR		1.22043		3.22006	10.56438	425.39146
BP5		1.35063		3.35026	10.99154	424.96430
172	1.67435	1.47769	0.19675	3.67398	12.05360	423.90224
173		1.50569		3.70207	12.14575	423.81009
TP174		1.69785		3.89423	12.77619	423.17966
174		1.44482		3.64120	11.94605	424.00980
175		1.50583		3.70221	12.14621	423.80964
TP176		1.76765		3.96403	13.00519	422.95066
176		1.52968		3.72606	12.22446	423.73139

052291P1.WK1
 FEB. 18, 1994 F

SALINE COUNTY -- GALATIA SITE -- PANELS 1 & 2
 TRANSVERSE LINES (PARTIAL AT PANEL 1), STARTING FROM M100
 DATE: 05/29/91
 INSTRUMENT: NA-2 WILD TO LEVEL

MONUMENT #		ROD READING (METERS)		METERS	FEET	ELEVATION FEET
100		1.37165		1.37165	4.50011	431.44760
108	1.52616	1.34409	0.18184	1.52616	5.00703	430.94068
119	2.03106	0.59273	1.43810	2.21290	7.26008	428.68763
129	1.75062	1.43188	0.31851	3.37056	11.05813	424.88958
MPBXS		1.52232		3.46077	11.35409	424.59362
MPBXD		1.41687		3.35532	11.00813	424.93958
139	1.71735	1.55623	0.16089	3.65580	11.99395	423.95376
149	1.60189	1.45085	0.15081	3.70123	12.14300	423.80471
150		1.47278		3.72293	12.21419	423.73352
151		1.48543		3.73558	12.25569	423.69202
152		1.51712		3.76727	12.35966	423.58805
153		1.53561		3.78576	12.42032	423.52739
155		1.46077		3.71092	12.17479	423.77292
156		1.43679		3.68694	12.09611	423.85160
157		1.43203		3.68218	12.08050	423.86721
158		1.44132		3.69147	12.11097	423.83673
159	1.41219	0.92171	0.49025	3.66234	12.01541	423.93230
160		1.01538		3.75578	12.32196	423.62575
161		1.20636		3.94676	12.94853	422.99918
162		1.43083		4.17123	13.68497	422.26274
163		1.60031		4.34071	14.24100	421.70671
163-2		1.549		4.28940	14.07266	421.87505
164		1.50362		4.24402	13.92378	422.02393
164-2		1.48685		4.22725	13.86876	422.07895
165		1.46633		4.20673	13.80144	422.14627
165-2		1.59483		4.33523	14.22302	421.72469
166	1.92535	0.45092	1.47420	4.66575	15.30739	420.64032
99A		0.83741		5.05201	16.57463	419.37307
99		1.16917		5.38377	17.66307	418.28464
98		1.33505		5.54965	18.20729	417.74042
97		1.74012		5.95472	19.53625	416.41146
96		1.96329		6.17789	20.26842	415.67929
95		2.24747		6.46207	21.20076	414.74695
94		2.41472		6.62932	21.74947	414.19824
93		2.55472		6.76932	22.20879	413.73892
92	2.6612	1.76919	0.89178	6.87580	22.55812	413.38958
91		1.8229		6.92928	22.73358	413.21413
90		1.76902		6.87540	22.55681	413.39090
89		1.70185		6.80823	22.33644	413.61127
88		1.53873		6.64511	21.80128	414.14643
87		1.34205		6.44843	21.15601	414.79170
** 870		1.06624		6.17262	20.25113	415.69658
874		1.04656		6.15294	20.18657	415.76114

52991P12.WK1
 FEB. 18, 1994 F

SALINE COUNTY -- GALATIA SITE -- PANELS 1 & 2
 TRANSVERSE LINES (PARTIAL AT PANEL 1), STARTING FROM M100
 DATE: 05/29/91
 INSTRUMENT: NA-2 WILD TO LEVEL

MONUMENT #		ROD READING (METERS)		METERS	FEET	ELEVATION FEET
844		0.29278		5.39916	17.71356	418.23415
840		0.74722		5.85360	19.20449	416.74322
86		1.12949		6.23587	20.45864	415.48907
85		1.05099		6.15737	20.20110	415.74661
84		1.02278		6.12916	20.10855	415.83916
83	0.9051	1.70499	-0.80012	6.01148	19.72246	416.22525
82		1.67829		5.98455	19.63411	416.31360
81		1.59086		5.89712	19.34727	416.60044
80		1.53207		5.83833	19.15439	416.79332
79		1.48084		5.78710	18.98632	416.96139
78		1.37035		5.67661	18.62382	417.32389
77		1.293		5.59926	18.37005	417.57766
76		1.20447		5.51073	18.07960	417.86811
75		1.01963		5.32589	17.47318	418.47453
74		0.98584		5.29210	17.36232	418.58539
*** 73	0.93892	0.7476	0.19109	5.24518	17.20839	418.73932
E-145		1.56879		6.06614	19.90179	416.04592
69		1.6198		6.11715	20.06915	415.87856
68		1.6629		6.16025	20.21055	415.73716
67		1.79091		6.28826	20.63052	415.31719
66		1.9169		6.41425	21.04387	414.90384
662		2.33562		6.83297	22.41761	413.53010
661		1.64255		6.13990	20.14378	415.80393
73	0.7477	1.17545	-0.42798	5.24505	17.20796	418.73975
83	1.94127	0.93297	1.00807	6.01064	19.71971	416.22800
93	1.69103	2.86295	-1.17215	6.76847	22.20600	413.74171
164-2	0.32152	1.87569	-1.55440	4.22681	13.86732	422.08039
156	1.33703	1.49922	-0.16242	3.68792	12.09933	423.84838
154		1.58104		3.76951	12.36701	423.58070
145	1.52094	1.62859	-0.10788	3.70941	12.16983	423.77788
135	1.41743	1.66398	-0.24678	3.49802	11.47630	424.47141
125	1.40829	2.40362	-0.99556	3.24210	10.63668	425.31103
115	0.932	1.72164	-0.78987	1.77025	5.80784	430.13987
104	1.49691	1.65256	-0.15588	1.54529	5.06979	430.87792
100		1.47915		1.37165	4.50011	431.44760
Closure error	-0.00460	Distr. error	0.00000	+F\$6-F\$83		
	-0.00023		0.00000	+I\$87/20		

NOTES: ** M981, M982, M983, M871, etc., rebar below ground and casing
 *** Monuments destroyed by railroad repair equipment

52991P12.WK1
 FEB. 18, 1994 F

SALINE COUNTY -- GALATIA SITE -- PANEL 1
 TRANSVERSE & LONGITUDINAL (PARTIAL) LINES, STARTING FROM M100
 DATE: 06/25/91
 INSTRUMENT: NA-2 WILD TO LEVEL

MONUMENT #	ROD READING (METERS)		METERS	FEET	ELEVATION (FEET)
100	1.32757		1.32757	4.35549	431.44760
101	1.37813		1.37813	4.52137	431.28172
102	1.36477		1.36477	4.47754	431.32555
103	1.48293		1.48293	4.86520	430.93789
104	1.50067		1.50067	4.92340	430.87969
105	1.48438		1.48438	4.86995	430.93314
106	1.48173		1.48173	4.86126	430.94183
107	1.52628	0.16219	1.52628	5.00742	430.79567
108	1.3193		1.48149	4.86046	430.94263
109	1.36915		1.53134	5.02401	430.77908
110	1.43177		1.59396	5.22945	430.57364
111	1.44279		1.60498	5.26561	430.53749
112	1.52362		1.68581	5.53079	430.27230
114	1.55345		1.71564	5.62866	430.17443
115	1.56248		1.72467	5.65828	430.14481
116	1.62451		1.78670	5.86179	429.94130
117	1.6385	1.24982	1.80069	5.90769	429.89540
118	0.56657		1.97857	6.49130	429.31179
119	0.75632		2.16832	7.11383	428.68926
120	0.96767		2.37967	7.80723	427.99586
121	1.21238		2.62438	8.61007	427.19302
122	1.47914		2.89114	9.48526	426.31783
123	1.63624		3.04824	10.00067	425.80242
124	1.67838		3.09038	10.13893	425.66417
125	1.78458		3.19658	10.48735	425.31575
126	1.7989		3.21090	10.53433	425.26876
127	1.8372	0.47351	3.24920	10.65998	425.14311
128	1.42821		3.31372	10.87165	424.93145
129	1.43933		3.32484	10.90813	424.89496
130	1.42892		3.31443	10.87398	424.92912
131	1.43861		3.32412	10.90577	424.89733
132	1.49235		3.37786	11.08208	424.72102
133	1.43196		3.31747	10.88395	424.91914
167	1.54092		3.42643	11.24142	424.56167
168	1.58367		3.46918	11.38168	424.42141
169	1.66624		3.55175	11.65257	424.15052
170	1.61351		3.49902	11.47958	424.32351
171	1.82449		3.71000	12.17176	423.63133
172	1.74197		3.62748	11.90103	423.90206
173	1.76904		3.65455	11.98984	423.81325
174	1.70956		3.59507	11.79470	424.00839
134	1.58052		3.46603	11.37134	424.43175
135	1.56707		3.45258	11.32722	424.47587
136	1.56672		3.45223	11.32607	424.47702
137	1.54472		3.43023	11.25389	424.54920
138	1.70802		3.59353	11.78965	424.01344
139	1.49642	0.23066	3.61293	11.85329	423.94980
140	1.55482		3.67098	12.04376	423.75333
141	1.54424		3.66040	12.00905	423.79404
142	1.47512		3.59128	11.78228	424.02081
143 *	1.5259		3.64206	11.94888	423.85421
144 *	1.51073		3.62689	11.89911	423.90398
145	1.55017		3.66633	12.02851	423.77458
146	1.61166		3.72782	12.23024	423.57285
147	1.51317		3.62933	11.90712	423.89597
148	1.47065		3.58681	11.76762	424.03547
149	1.54249	0.04974	3.65865	12.00331	423.79978
150	1.51428		3.68018	12.07393	423.72916
151	1.52767		3.69357	12.11786	423.68523
152	1.55908		3.72498	12.22091	423.58218
153	1.57746		3.74336	12.28122	423.52188
154	1.56104		3.72694	12.22734	423.57575
155	1.50329		3.66919	12.03788	423.76521
156	1.47935		3.64525	11.95934	423.84376
157	1.47479		3.64069	11.94438	423.85872
158	1.48447		3.65037	11.97613	423.82696
159	1.4551		3.62100	11.87978	423.92331
160	1.5492		3.71510	12.18850	423.61459
161	1.73961		3.90551	12.81320	422.98989
162	1.96434		4.13024	13.55049	422.25260
149	1.4925	-0.06135	3.65840	12.00248	423.80061
139	1.50768	-0.22112	3.61223	11.85099	423.95210
127	1.36738	-0.53250	3.25080	10.66523	425.13786
117	0.45083	-1.23154	1.80175	5.91117	429.89192
107	1.40733	-0.16434	1.52670	5.00881	430.79428
100	1.37254		1.32757	4.35549	431.44760

Closure error -0.00344 Dist. error 0.00000
 -0.00034 0.00000

062591P1.WK1
 FEB. 18, 1994 F

SALINE COUNTY -- GALATIA SITE -- PANEL 1
 TRANSVERSE & LONGITUDINAL LINES (PARTIAL), STARTING FROM M100
 DATE: 12/11/91
 INSTRUMENT: NA-2000 TO LEVEL

MONUMENT #	ROD READING (METERS)		METERS	FEET	ELEVATION (FEET)
100	1.2416		1.2416	4.07344	431.44760
101	1.29327		1.29327	4.24296	431.27808
102	1.28025		1.28025	4.20024	431.32080
103	1.39791		1.39791	4.58626	430.93478
104	1.41575		1.41575	4.64479	430.87625
105	3.9901		3.9901	13.09072	422.43032
106	1.39642		1.39642	4.58137	430.93967
107	1.4415		1.4415	4.72927	430.79177
108	1.39739		1.39739	4.58456	430.93648
109	1.44743		1.44743	4.74873	430.77231
110	1.5099		1.5099	4.95368	430.56736
111	1.52104	0.567235	1.52104	4.99023	430.53081
112	1.03522		1.602455	5.25733	430.26371
114	1.06505		1.632285	5.35520	430.16584
115	1.0743		1.641535	5.38555	430.13549
116	1.13641		1.703645	5.58932	429.93172
117	1.14995		1.717185	5.63374	429.88730
118	1.32975		1.896985	6.22363	429.29741
119	1.52086		2.088095	6.85062	428.67042
120	1.73447		2.301705	7.55143	427.96961
121	1.97643		2.543665	8.34526	427.17579
122	2.24404		2.811275	9.22323	426.29781
123	2.40068		2.967915	9.73714	425.78391
124	2.44124		3.008475	9.87020	425.65084
125	2.54643		3.113665	10.21531	425.30573
126	2.55517	1.368995	3.128935	10.26541	425.25563
127	1.22913		3.16536	10.38491	425.13613
128	1.29524		3.23147	10.60181	424.91923
129	1.3093		3.24553	10.64793	424.87311
130	1.30191		3.23814	10.62369	424.89735
131	1.31142		3.24765	10.65489	424.86615
132	1.36318		3.29941	10.82470	424.69634
133	1.30308		3.23931	10.62753	424.89351
167	1.4138		3.35003	10.99078	424.53026
168	1.45425		3.39048	11.12349	424.39755
169	1.53596		3.47219	11.39156	424.12948
170	1.48106		3.41729	11.21145	424.30960
171	1.69352		3.62975	11.90848	423.61256
172	1.60946		3.54569	11.63270	423.88834
173	1.63995		3.57618	11.73273	423.78831
174	1.58662		3.52285	11.55777	423.96328
175	1.64344		3.57967	11.74418	423.77686
176	1.66514		3.60137	11.81537	423.70567
177	1.60222		3.53845	11.60895	423.91209
178	1.50854		3.44477	11.30160	424.21944
Postpiez	1.52893		3.46516	11.36850	424.15254
MPBXD	1.29629		3.23252	10.60525	424.91579
MPBXS	1.39782		3.33405	10.93835	424.58269
133	1.3033		3.23953	10.62825	424.89279
134	1.45068		3.38691	11.11177	424.40927
135	1.43567		3.3719	11.06253	424.45851
136	1.43524		3.37147	11.06112	424.45992
137	1.41298		3.34921	10.98809	424.53295
138	1.57793		3.51416	11.52926	423.99179
139	1.597		3.53323	11.59182	423.92922
140	1.65576	-0.013105	3.59199	11.78460	423.73644
141	1.65899		3.582115	11.75220	423.76884
142	1.59047		3.513595	11.52740	423.99364
143 *	1.63868		3.561805	11.68557	423.83547
144 *	1.62451		3.547635	11.63908	423.88196
145	1.66515		3.588275	11.77241	423.74863
146	1.72977		3.652895	11.98442	423.53662
147	1.62452		3.547645	11.63911	423.88193
148	1.58285		3.505975	11.50240	424.01864
149	1.65364		3.576765	11.73465	423.78639
150	1.67572		3.598845	11.80709	423.71395
151	1.68824		3.611365	11.84817	423.67287
152	1.71989		3.643015	11.95200	423.56904
153	1.74		3.663125	12.01798	423.50306
154	1.7235		3.646625	11.96385	423.55719
140	1.66874	-0.156895	3.591865	11.78419	423.73685
126	1.36333	-1.108945	3.12956	10.26746	425.25358
111	0.86512	-0.753485	1.522405	4.99471	430.52633
100	1.3378		1.2416	4.07344	431.44760
Closure error	-0.00051		Distributed error		-0.00000
	-0.00009				-0.00009

121191P1.WK1
 FEB. 18, 1994 F

SALINE COUNTY -- GALATIA SITE -- PANEL 1
 TRANSVERSE LINE, STARTING FROM M100
 DATE: 5/28/92
 INSTRUMENT: NA-2 WILD TO LEVEL

MONUMENT #		ROD READING (METERS)		METERS	FEET	ELEVATION (FEET)
100		1.26659		1.26659	4.15547	431.44765
101		1.31727		1.31727	4.32174	431.28138
102		1.30429		1.30429	4.27916	431.32396
103		1.42232		1.42232	4.66639	430.93673
104		1.43967		1.43967	4.72332	430.87980
105		1.42400		1.42400	4.67191	430.93121
106		1.42162		1.42162	4.66410	430.93902
107	1.46618	1.33760	0.12857	1.46617	4.81026	430.79286
108		1.29389		1.42246	4.66686	430.93626
109		1.34362		1.47219	4.83002	430.77311
110		1.40613		1.53470	5.03510	430.56802
111		1.41735		1.54592	5.07191	430.53121
112		1.49936		1.62793	5.34097	430.26215
114		1.52851		1.65708	5.43661	430.16651
115		1.53773		1.66630	5.46686	430.13626
116		1.60082		1.72939	5.67385	429.92928
117	1.61433	0.52302	1.09130	1.74289	5.71814	429.88498
118		0.70270		1.92257	6.30764	429.29548
119		0.89246		2.11233	6.93021	428.67291
120		1.10431		2.32418	7.62526	427.97786
121		1.34807		2.56794	8.42499	427.17813
122		1.61571		2.83558	9.30308	426.30004
123		1.77215		2.99202	9.81633	425.78679
124		1.81394		3.03381	9.95343	425.64969
125	1.91968	1.40791	0.51176	3.13955	10.30032	425.30280
126		1.42270		3.15434	10.34885	425.25427
127		1.45937		3.19101	10.46915	425.13397
128		1.52502		3.25666	10.68454	424.91858
129		1.53584		3.26748	10.72004	424.88308
130		1.52506		3.25670	10.68467	424.91845
131		1.53482		3.26646	10.71669	424.88643
132		1.58808		3.31972	10.89143	424.71169
133		1.52857		3.26021	10.69619	424.90693
125	1.40792	2.11439	-0.70648	3.13955	10.30033	425.30279
117	0.71865	1.63617	-0.91753	1.74380	5.72111	429.88201
107	1.35948	1.52351	-0.16404	1.46710	4.81331	430.78981
100		1.32300		1.26659	4.15547	431.44765

Closure: 0.00000

052892P1.WK1
 FEB. 18, 1994 F

SALINE COUNTY -- GALATIA SITE -- PANEL 1
 TRANSVERSE LINE, STARTING FROM M100
 DATE: 5/28/92
 INSTRUMENT: NA-2 WILD TO LEVEL

MONUMENT #		ROD READING (METERS)		METERS	FEET	ELEVATION (FEET)
133		1.38885		1.38885	4.55658	424.90693
134		1.53874		1.53874	5.04835	424.41517
135		1.52580		1.52580	5.00589	424.45762
136		1.52486		1.52486	5.00281	424.46071
137		1.50268		1.50268	4.93004	424.53347
138		1.66744		1.66744	5.47059	423.99292
139		1.68504		1.68504	5.52833	423.93518
140		1.74323		1.74323	5.71925	423.74427
141		1.73256		1.73256	5.68424	423.77928
142	1.66329	1.59793	0.06487	1.66280	5.45538	424.00814
143		1.64890		1.71377	5.62260	423.84092
144		1.63426		1.69913	5.57457	423.88895
145		1.67381		1.73868	5.70433	423.75919
146		1.74087		1.80574	5.92434	423.53918
147		1.63683		1.70170	5.58300	423.88052
148		1.59679		1.66166	5.45164	424.01188
149		1.66860		1.73347	5.68723	423.77628
150		1.69139		1.75626	5.76200	423.70151
151		1.70412		1.76899	5.80377	423.65975
152	1.73622	1.80101	-0.06528	1.80061	5.90748	423.55603
153		1.82025		1.81985	5.97061	423.49291
154		1.80432		1.80392	5.91834	423.54517
155		1.74696		1.74656	5.73016	423.73336
156		1.72345		1.72305	5.65302	423.81049
157		1.71747		1.71707	5.63340	423.83011
158		1.72735		1.72695	5.66582	423.79770
159		1.69936		1.69896	5.57399	423.88953
160		1.79314		1.79274	5.88166	423.58185
161		1.98288		1.98248	6.50417	422.95935
162		2.20588		2.20548	7.23580	422.22772
152	1.80093	1.77441	0.02603	1.80004	5.90562	423.55789
142	1.63756	1.70814	-0.07107	1.66270	5.45504	424.00848
133		1.43429		1.38885	4.55658	424.90693
Closure:					0.00000	

052892P1.WK1
 FEB. 18, 1994 F

APPENDIX C Horizontal Strain Calculations

SALINE COUNTY -- GALATIA SITE -- PANEL 1
HORIZONTAL DISTANCE BETWEEN MONUMENTS -- TRANSVERSE LINE
DATE: 11/13/89 12:00PM
TEMPERATURE: 72 F

MONUMENT #	DISTANCE (FT)	TEMPERATURE CORRECTION TO 70 F (FT)	CORRECTED DISTANCE (FT)
103-104			
104-105			
105-106			
106-107			
107-108			
108-109			
109-110			
110-111	19.94	0.00026	19.93974
111-112	20.045	0.00026	20.04474
112-114	20.01	0.00026	20.00974
114-115	19.97	0.00026	19.96974
115-116	20.025	0.00026	20.02474
116-117	20.07	0.00026	20.06974
117-118	19.95	0.00026	19.94974
118-119	20.055	0.00026	20.05474
119-120	20.07	0.00026	20.06974
120-121	20.06	0.00026	20.05974
121-122	19.805	0.00026	19.80474
122-123	20.195	0.00026	20.19474
123-124	19.925	0.00026	19.92474
124-125	19.91	0.00026	19.90974
125-126	20.6	0.00027	20.59973
126-127	20.03	0.00026	20.02974
127-128	19.851	0.00026	19.85074
128-129	20.1	0.00026	20.09974
129-130	19.82	0.00026	19.81974
130-131	19.873	0.00026	19.87274
131-132	20.33	0.00026	20.32974
132-133	19.96	0.00026	19.95974
133-134	19.805	0.00026	19.80474
134-135	20.245	0.00026	20.24474
135-136	19.98	0.00026	19.97974
136-137	19.875	0.00026	19.87474
137-138	20.005	0.00026	20.00474
138-139	20.1	0.00026	20.09974
139-140	20.07	0.00026	20.06974
140-141	19.95	0.00026	19.94974
141-142	19.985	0.00026	19.98474
142-143	19.965	0.00026	19.96474
143-144	20.1	0.00026	20.09974
145-146	20.11	0.00026	20.10974
146-147	20.165	0.00026	20.16474
147-148	20.095	0.00026	20.09474
148-149	19.95	0.00026	19.94974
149-150	19.995	0.00026	19.99474
150-151	19.925	0.00026	19.92474
151-152	19.84	0.00026	19.83974
152-153	20.205	0.00026	20.20474
153-154	19.955	0.00026	19.95474
154-155	20.14	0.00026	20.13974
155-156			
156-157			
157-158			
158-159			
159-160			
160-161			
161-162			
162-163			

111389HS.WK1
FEB. 21, 1994 M

SALINE COUNTY -- GALATIA SITE -- PANEL 1
HORIZONTAL STRAINS -- TRANSVERSE LINE
DATE: 11/28/89 11:00 AM
TEMPERATURE: 38°F

MONUMENT #	DISTANCE (FT)	TEMPERATURE CORRECTION TO 70 F (FT)	CORRECTED DISTANCE (FT)	STRAINS
103-104				
104-105				
105-106				
106-107				
107-108				
108-109				
109-110				
110-111	19.94	-0.00412	19.94412	0.00022
111-112	20.05	-0.00414	20.05414	0.00047
112-114	20.015	-0.00413	20.01913	0.00047
114-115	19.975	-0.00412	19.97912	0.00047
115-116	20.03	-0.00413	20.03413	0.00047
116-117	20.075	-0.00414	20.07914	0.00047
117-118	20.05	-0.00414	20.05414	0.00523
118-119	20.06	-0.00414	20.06414	0.00047
119-120	20.07	-0.00414	20.07414	0.00022
120-121	20.065	-0.00414	20.06914	0.00047
121-122	19.805	-0.00409	19.80909	0.00022
122-123	20.195	-0.00417	20.19917	0.00022
123-124	19.93	-0.00411	19.93411	0.00047
124-125	19.915	-0.00411	19.91911	0.00047
125-126	20.06	-0.00414	20.06414	-0.02600
126-127	20.035	-0.00414	20.03914	0.00047
127-128	19.855	-0.00410	19.85910	0.00042
128-129	20.1	-0.00415	20.10415	0.00022
129-130	19.815	-0.00409	19.81909	-0.00003
130-131	19.875	-0.00410	19.87910	0.00032
131-132	20.33	-0.00420	20.33420	0.00022
132-133	19.96	-0.00412	19.96412	0.00022
133-134	19.81	-0.00409	19.81409	0.00047
134-135	20.24	-0.00418	20.24418	-0.00003
135-136	19.97	-0.00412	19.97412	-0.00028
136-137	19.875	-0.00410	19.87910	0.00022
137-138	20.005	-0.00413	20.00913	0.00022
138-139	20.11	-0.00415	20.11415	0.00072
139-140	20.07	-0.00414	20.07414	0.00022
140-141	19.945	-0.00412	19.94912	-0.00003
141-142	19.99	-0.00413	19.99413	0.00047
142-143	19.965	-0.00412	19.96912	0.00022
143-144	20.1	-0.00415	20.10415	0.00022
145-146	20.105	-0.00415	20.10915	-0.00003
146-147	20.165	-0.00416	20.16916	0.00022
147-148	20.09	-0.00415	20.09415	-0.00003
148-149	19.95	-0.00412	19.95412	0.00022
149-150	19.99	-0.00413	19.99413	-0.00003
150-151	19.915	-0.00411	19.91911	-0.00028
151-152	19.845	-0.00410	19.84910	0.00047
152-153	20.195	-0.00417	20.19917	-0.00028
153-154	19.955	-0.00412	19.95912	0.00022
154-155	20.135	-0.00416	20.13916	-0.00003
155-156				
156-157				
157-158				
158-159				
159-160				
160-161				
161-162				
162-163				

SALINE COUNTY -- GALATIA SITE -- PANEL 1
HORIZONTAL STRAINS -- TRANSVERSE LINE
DATE: 12/28/89 3:00 PM
TEMPERATURE: 41 F

MONUMENT #	DISTANCE (FT)	TEMPERATURE CORRECTION TO 70 F (FT)	CORRECTED DISTANCE (FT)	STRAINS
103-104	19.96	-0.00373	19.96373	
104-105	19.92	-0.00373	19.92373	
105-106	21.775	-0.00407	21.77907	
106-107	18.315	-0.00343	18.31843	
107-108	21.64	-0.00405	21.64405	
108-109	17.02	-0.00318	17.02318	
109-110	21.28	-0.00398	21.28398	
110-111	19.955	-0.00373	19.95873	0.00095
111-112	20.065	-0.00375	20.06875	0.00120
112-114	20.025	-0.00375	20.02875	0.00095
114-115	19.99	-0.00374	19.99374	0.00120
115-116	20.055	-0.00375	20.05875	0.00170
116-117	20.115	-0.00376	20.11876	0.00244
117-118	19.985	-0.00374	19.98874	0.00195
118-119	20.155	-0.00377	20.15877	0.00519
119-120	20.105	-0.00376	20.10876	0.00194
120-121	20.125	-0.00376	20.12876	0.00344
121-122	19.855	-0.00371	19.85871	0.00273
122-123	20.16	-0.00377	20.16377	-0.00153
123-124	19.89	-0.00372	19.89372	-0.00156
124-125	19.855	-0.00371	19.85871	-0.00256
125-126	20.02	-0.00374	20.02374	-0.02796
126-127	19.98	-0.00374	19.98374	-0.00230
127-128	19.815	-0.00371	19.81871	-0.00161
128-129	20.06	-0.00375	20.06375	-0.00179
129-130	19.805	-0.00370	19.80870	-0.00056
130-131	19.865	-0.00372	19.86872	-0.00020
131-132	20.325	-0.00380	20.32880	-0.00005
132-133	19.94	-0.00373	19.94373	-0.00080
133-134	19.79	-0.00370	19.79370	-0.00056
134-135	20.23	-0.00378	20.23378	-0.00054
135-136	19.965	-0.00373	19.96873	-0.00055
136-137	19.85	-0.00371	19.85371	-0.00106
137-138	19.99	-0.00374	19.99374	-0.00055
138-139	20.08	-0.00376	20.08376	-0.00080
139-140	20.03	-0.00375	20.03375	-0.00179
140-141	19.905	-0.00372	19.90872	-0.00206
141-142	19.95	-0.00373	19.95373	-0.00155
142-143	19.94	-0.00373	19.94373	-0.00105
143-144	20.095	-0.00376	20.09876	-0.00005
145-146	20.16	-0.00377	20.16377	0.00269
146-147	20.21	-0.00378	20.21378	0.00243
147-148	20.135	-0.00377	20.13877	0.00219
148-149	19.985	-0.00374	19.98874	0.00195
149-150	20.02	-0.00374	20.02374	0.00145
150-151	19.94	-0.00373	19.94373	0.00095
151-152	19.85	-0.00371	19.85371	0.00070
152-153	20.21	-0.00378	20.21378	0.00045
153-154	19.965	-0.00373	19.96873	0.00070
154-155	20.15	-0.00377	20.15377	0.00070
155-156	19.965	-0.00373	19.96873	
156-157	19.96	-0.00373	19.96373	
157-158	20.15	-0.00377	20.15377	
158-159	20	-0.00374	20.00374	
159-160	19.775	-0.00370	19.77870	
160-161	20.25	-0.00379	20.25379	
161-162	19.88	-0.00372	19.88372	
162-163	19.92	-0.00373	19.92373	

122889HS.WK1
FEB. 21, 1994 M

SALINE COUNTY --- GALATIA SITE --- PANEL 1
 HORIZONTAL STRAINS --- TRANSVERSE LINE
 DATE: 1/11/90 2:00 PM
 TEMPERATURE: 56 F

MONUMENT#	DISTANCE (FT)	TEMPERATURE CORRECTION TO 70 F (FT)	CORRECTED DISTANCE (FT)	STRAINS
103-104	19.95	-0.00180	19.95180	
104-105	19.92	-0.00180	19.92180	
105-106	21.775	-0.00197	21.77697	
106-107	18.305	-0.00165	18.30665	
107-108	21.64	-0.00195	21.64195	
108-109	17.025	-0.00154	17.02654	
109-110	21.28	-0.00192	21.28192	
110-111	19.945	-0.00180	19.94680	0.00035
111-112	20.08	-0.00181	20.08181	0.00185
112-114	20.035	-0.00181	20.03681	0.00135
114-115	20.02	-0.00181	20.02181	0.00261
115-116	20.095	-0.00181	20.09681	0.00360
116-117	20.2	-0.00182	20.20182	0.00658
117-118	20.255	-0.00183	20.25683	0.01539
118-119	20.47	-0.00185	20.47185	0.02080
119-120	20.18	-0.00182	20.18182	0.00558
120-121	20.1	-0.00182	20.10182	0.00210
121-122	19.68	-0.00178	19.68178	-0.00621
122-123	19.985	-0.00180	19.98680	-0.01030
123-124	19.74	-0.00178	19.74178	-0.00918
124-125	19.74	-0.00178	19.74178	-0.00844
125-126	19.975	-0.00180	19.97680	-0.03024
126-127	19.945	-0.00180	19.94680	-0.00414
127-128	19.8	-0.00179	19.80179	-0.00247
128-129	20.045	-0.00181	20.04681	-0.00263
129-130	19.795	-0.00179	19.79679	-0.00116
130-131	19.85	-0.00179	19.85179	-0.00105
131-132	20.295	-0.00183	20.29683	-0.00162
132-133	19.93	-0.00180	19.93180	-0.00140
133-134	19.755	-0.00178	19.75678	-0.00242
134-135	20.19	-0.00182	20.19182	-0.00261
135-136	19.94	-0.00180	19.94180	-0.00190
136-137	19.83	-0.00179	19.83179	-0.00216
137-138	19.94	-0.00180	19.94180	-0.00315
138-139	20.025	-0.00181	20.02681	-0.00363
139-140	19.965	-0.00180	19.96680	-0.00513
140-141	19.805	-0.00179	19.80679	-0.00717
141-142	19.795	-0.00179	19.79679	-0.00940
142-143	19.77	-0.00179	19.77179	-0.00966
143-144	19.94	-0.00180	19.94180	-0.00786
145-146	20.285	-0.00183	20.28683	0.00881
146-147	20.405	-0.00184	20.40684	0.01201
147-148	20.335	-0.00184	20.33684	0.01205
148-149	20.06	-0.00181	20.06181	0.00562
149-150	20.08	-0.00181	20.08181	0.00435
150-151	19.975	-0.00180	19.97680	0.00261
151-152	19.86	-0.00179	19.86179	0.00111
152-153	20.22	-0.00183	20.22183	0.00085
153-154	19.975	-0.00180	19.97680	0.00111
154-155	20.145	-0.00182	20.14682	0.00035
155-156	19.965	-0.00180	19.96680	
156-157	19.955	-0.00180	19.95680	
157-158	20.15	-0.00182	20.15182	
158-159	20	-0.00181	20.00181	
159-160	19.765	-0.00178	19.76678	
160-161	20.255	-0.00183	20.25683	
161-162	19.87	-0.00179	19.87179	
162-163	19.915	-0.00180	19.91680	

SALINE COUNTY --- GALATIA SITE --- PANEL 1
 HORIZONTAL STRAINS --- TRANSVERSE LINE
 DATE: 02/01/90 9:00 AM
 TEMPERATURE: 46 F

MONUMENT #	DISTANCE (FT)	TEMPERATURE CORRECTION TO 70 F (FT)	CORRECTED DISTANCE (FT)	STRAINS
103-104	19.96	-0.00309	19.96309	
104-105	19.92	-0.00308	19.92308	
105-106	21.785	-0.00337	21.78837	
106-107	18.31	-0.00283	18.31283	
107-108	21.65	-0.00335	21.65335	
108-109	17.025	-0.00264	17.02764	
109-110	21.29	-0.00330	21.29330	
110-111	19.95	-0.00309	19.95309	0.00067
111-112	20.095	-0.00311	20.09811	0.00266
112-114	20.045	-0.00310	20.04810	0.00192
114-115	20.045	-0.00310	20.04810	0.00392
115-116	20.13	-0.00312	20.13312	0.00541
116-117	20.265	-0.00314	20.26814	0.00989
117-118	20.355	-0.00315	20.35815	0.02047
118-119	20.485	-0.00317	20.48817	0.02161
119-120	20.225	-0.00313	20.22813	0.00789
120-121	20.055	-0.00310	20.05810	-0.00008
121-122	19.59	-0.00303	19.59303	-0.01069
122-123	19.938	-0.00309	19.94109	-0.01256
123-124	19.7	-0.00305	19.70305	-0.01113
124-125	19.7	-0.00305	19.70305	-0.01038
125-126	19.955	-0.00309	19.95809	-0.03115
126-127	19.93	-0.00309	19.93309	-0.00483
127-128	19.795	-0.00306	19.79806	-0.00265
128-129	20.04	-0.00310	20.04310	-0.00282
129-130	19.805	-0.00307	19.80807	-0.00059
130-131	19.845	-0.00307	19.84807	-0.00124
131-132	20.295	-0.00314	20.29814	-0.00155
132-133	19.92	-0.00308	19.92308	-0.00184
133-134	19.75	-0.00306	19.75306	-0.00261
134-135	20.19	-0.00313	20.19313	-0.00255
135-136	19.94	-0.00309	19.94309	-0.00183
136-137	19.83	-0.00307	19.83307	-0.00210
137-138	19.94	-0.00309	19.94309	-0.00308
138-139	20.025	-0.00310	20.02810	-0.00356
139-140	19.95	-0.00309	19.95309	-0.00581
140-141	19.78	-0.00306	19.78306	-0.00836
141-142	19.745	-0.00306	19.74806	-0.01184
142-143	19.695	-0.00305	19.69805	-0.01336
143-144	19.885	-0.00308	19.88808	-0.01053
145-146	20.31	-0.00314	20.31314	0.01011
146-147	20.39	-0.00316	20.39316	0.01133
147-148	20.405	-0.00316	20.40816	0.01560
148-149	20.155	-0.00312	20.15812	0.01045
149-150	20.11	-0.00311	20.11311	0.00592
150-151	20	-0.00310	20.00310	0.00393
151-152	19.875	-0.00308	19.87808	0.00193
152-153	20.225	-0.00313	20.22813	0.00116
153-154	19.97	-0.00309	19.97309	0.00092
154-155	20.155	-0.00312	20.15812	0.00091
155-156	19.97	-0.00309	19.97309	
156-157	19.955	-0.00309	19.95809	
157-158	20.15	-0.00312	20.15312	
158-159	20	-0.00310	20.00310	
159-160	19.77	-0.00306	19.77306	
160-161	20.265	-0.00314	20.26814	
161-162	19.872	-0.00308	19.87508	
162-163	19.92	-0.00308	19.92308	

SALINE COUNTY -- GALATIA SITE -- PANEL 1
HORIZONTAL STRAINS -- TRANSVERSE LINE
DATE: 04/05/90 11:00 AM
TEMPERATURE: 48 F

MONUMENT #	DISTANCE (FT)	TEMPERATURE CORRECTION TO 70 F (FT)	CORRECTED DISTANCE (FT)	STRAINS
103-104	19.955	-0.00283	19.95783	
104-105	19.925	-0.00283	19.92783	
105-106	21.78	-0.00309	21.78309	
106-107	18.31	-0.00260	18.31260	
107-108	21.645	-0.00307	21.64807	
108-109	17.035	-0.00242	17.03742	
109-110	21.28	-0.00302	21.28302	
110-111	19.94	-0.00283	19.94283	-0.00006
111-112	20.095	-0.00285	20.09785	0.00218
112-114	20.05	-0.00285	20.05285	0.00168
114-115	20.055	-0.00285	20.05785	0.00394
115-116	20.13	-0.00286	20.13286	0.00493
116-117	20.255	-0.00287	20.25787	0.00890
117-118	20.355	-0.00289	20.35789	0.01515
118-119	20.48	-0.00291	20.48291	0.02087
119-120	20.255	-0.00287	20.25787	0.00915
120-121	20.05	-0.00285	20.05285	-0.00081
121-122	19.585	-0.00278	19.58778	-0.01117
122-123	19.935	-0.00283	19.93783	-0.01294
123-124	19.695	-0.00279	19.69779	-0.01185
124-125	19.695	-0.00279	19.69779	-0.01111
125-126	19.95	-0.00283	19.95283	-0.00555
126-127	19.925	-0.00283	19.92783	-0.00555
127-128	19.79	-0.00281	19.79281	-0.00334
128-129	20.025	-0.00284	20.02784	-0.00380
129-130	19.81	-0.00281	19.81281	-0.00032
130-131	19.84	-0.00282	19.84282	-0.00183
131-132	20.29	-0.00288	20.29288	-0.00203
132-133	19.925	-0.00283	19.92783	-0.00182
133-134	19.755	-0.00280	19.75780	-0.00284
134-135	20.19	-0.00286	20.19286	-0.00253
135-136	19.945	-0.00283	19.94783	-0.00132
136-137	19.815	-0.00281	19.81781	-0.00308
137-138	19.935	-0.00283	19.93783	-0.00356
138-139	20.025	-0.00284	20.02784	-0.00429
139-140	19.94	-0.00283	19.94283	-0.00654
140-141	19.775	-0.00281	19.77781	-0.00859
141-142	19.72	-0.00280	19.72280	-0.01357
142-143	19.675	-0.00279	19.67779	-0.01459
143-144	19.88	-0.00282	19.88282	-0.01101
145-146	20.33	-0.00288	20.33288	0.01113
146-147	20.39	-0.00289	20.39289	0.01109
147-148	20.41	-0.00290	20.41290	0.01586
148-149	20.15	-0.00286	20.15286	0.00996
149-150	20.11	-0.00285	20.11285	0.00594
150-151	19.995	-0.00284	19.99784	0.00395
151-152	19.87	-0.00282	19.87282	0.00120
152-153	20.23	-0.00287	20.23287	0.00167
153-154	19.97	-0.00283	19.97283	0.00069
154-155	20.15	-0.00286	20.15286	0.00068
155-156	19.97	-0.00283	19.97283	
156-157	19.95	-0.00283	19.95283	
157-158	20.15	-0.00286	20.15286	
158-159	19.995	-0.00284	19.99784	
159-160	19.765	-0.00280	19.76780	
160-161	20.25	-0.00287	20.25287	
161-162	19.87	-0.00282	19.87282	
162-163	19.92	-0.00283	19.92283	

SALINE COUNTY -- GALATIA SITE -- PANEL 1
HORIZONTAL STRAINS -- LONGITUDINAL LINE (@ CENTERLINE)

DATE	11-13-89-12PM	11-28-89-11AM	12-4-89-3PM
TEMPERATURE (F)	72	38	47
DISTANCE (FT)			
133-167	20.025	20.025	20.027
167-168	20.015	20.015	20.02
168-169	19.98	19.985	19.985
169-170	20.105	20.11	20.115
170-171	19.85	19.86	19.855
171-172	20.08	20.08	20.085
172-173	20.055	20.06	20.06
173-174	20.215	20.225	20.225
174-175	19.772	19.785	19.79
175-176	19.965	19.98	19.985
176-177	20.13	20.15	20.16
177-178	19.93	19.95	19.955
178-179	19.87	19.905	19.92
TEMPERATURE CORRECTION TO 70 F (FT)			
133-167	0.00026	-0.00413	-0.00297
167-168	0.00026	-0.00413	-0.00297
168-169	0.00026	-0.00412	-0.00296
169-170	0.00026	-0.00415	-0.00298
170-171	0.00026	-0.00410	-0.00295
171-172	0.00026	-0.00414	-0.00298
172-173	0.00026	-0.00414	-0.00298
173-174	0.00026	-0.00417	-0.00300
174-175	0.00026	-0.00408	-0.00294
175-176	0.00026	-0.00412	-0.00296
176-177	0.00026	-0.00416	-0.00299
177-178	0.00026	-0.00412	-0.00296
178-179	0.00026	-0.00411	-0.00296
CORRECTED DISTANCE (FT)			
133-167	20.02474	20.02913	20.02997
167-168	20.01474	20.01913	20.02297
168-169	19.97974	19.98912	19.98796
169-170	20.10474	20.11415	20.11798
170-171	19.84974	19.86410	19.85795
171-172	20.07974	20.08414	20.08798
172-173	20.05474	20.06414	20.06298
173-174	20.21474	20.22917	20.22800
174-175	19.77174	19.78908	19.79294
175-176	19.96474	19.98412	19.98796
176-177	20.12974	20.15416	20.16299
177-178	19.92974	19.95412	19.95796
178-179	19.86974	19.90911	19.92296
STRAINS			
133-167		0.00022	0.00026
167-168		0.00022	0.00041
168-169		0.00047	0.00041
169-170		0.00047	0.00066
170-171		0.00072	0.00041
171-172		0.00022	0.00041
172-173		0.00047	0.00041
173-174		0.00071	0.00066
174-175		0.00088	0.00107
175-176		0.00097	0.00116
176-177		0.00121	0.00165
177-178		0.00122	0.00142
178-179		0.00198	0.00268

LONGSTRN.WK1
FEB. 22, 1994 Tu

APPENDIX D Tiltplate Data

SALINE COUNTY -- GALATIA SITE -- PANEL 1
TILTPLATE DATA AT CENTERLINE

89 PLATE No. M172:

DATE	PEG 1 (INCHES)	PEG 2 (INCHES)	PEG 3 (INCHES)	PEG 4 (INCHES)	E diff (INCHES)	S diff (INCHES)	E chng (INCHES)	E ang (DEGREES)	S chng (INCHES)	S ang (DEGREES)
08-Nov-89	0.0027	0.0259	-0.0050	-0.0284	0.0077	-0.0543				
13-Nov-89	0.0025	0.0261	-0.0052	-0.0286	0.0077	0.0025	0.0000	0.00	0.0568	0.81
21-Nov-89	0.0023	0.0261	-0.0049	-0.0288	0.0072	-0.0546	-0.0005	0.01	-0.0005	-0.01
28-Nov-89	0.0018	0.0258	-0.0051	-0.0292	0.0069	-0.0550	-0.0008	0.01	-0.0007	-0.01
29-Nov-89	0.0015	0.0252	-0.0050	-0.0294	0.0065	-0.0546	-0.0012	-0.02	-0.0003	-0.00
04-Dec-89	0.0021	0.0261	-0.0050	-0.0290	0.0071	-0.0551	-0.0006	-0.01	-0.0008	-0.01
05-Dec-89	0.0023	0.0263	-0.0052	-0.0290	0.0075	-0.0553	-0.0002	-0.00	-0.0010	-0.01
08-Dec-89	0.0029	0.0262	-0.0061	-0.0292	0.0090	-0.0554	0.0013	0.02	-0.0011	-0.02
12-Dec-89	0.0048	0.0265	-0.0077	-0.0288	0.0125	-0.0553	0.0048	0.07	-0.0010	-0.01
13-Dec-89	0.0076	0.0265	-0.0106	-0.0299	0.0182	-0.0564	0.0105	0.15	-0.0021	-0.03
14-Dec-89	0.0320	0.0259	-0.0371	-0.0312	0.0691	-0.0571	0.0614	0.88	-0.0028	-0.04
14-Dec-89	0.0277	0.0262	-0.0316	-0.0306	0.0593	-0.0568	0.0516	0.74	-0.0025	-0.04
15-Dec-89	0.0533	0.0276	-0.0561	-0.0307	0.1094	-0.0583	0.1017	1.46	-0.0040	-0.06
15-Dec-89	0.0559	0.0276	-0.0588	-0.0306	0.1147	-0.0582	0.1070	1.53	-0.0039	-0.06
15-Dec-89	0.0567	0.0270	-0.0593	-0.0302	0.1160	-0.0572	0.1083	1.55	-0.0029	-0.04
15-Dec-89	0.0573	0.0269	-0.0597	-0.0292	0.1170	-0.0561	0.1093	1.57	-0.0018	-0.03
16-Dec-89	0.0562	0.0280	-0.0582	-0.0307	0.1144	-0.0587	0.1067	1.53	-0.0044	-0.06
16-Dec-89	0.0556	0.0281	-0.0586	-0.0308	0.1142	-0.0589	0.1065	1.53	-0.0046	-0.07
17-Dec-89	0.0545	0.0264	-0.0585	-0.0327	0.1130	-0.0591	0.1053	1.51	-0.0048	-0.07
18-Dec-89	0.0552	0.0287	-0.0585	-0.0321	0.1137	-0.0608	0.1060	1.52	-0.0065	-0.09
18-Dec-89	0.0543	0.0290	-0.0579	-0.0329	0.1122	-0.0619	0.1045	1.50	-0.0076	-0.11
18-Dec-89	0.0485	0.0286	-0.0518	-0.0322	0.1003	-0.0608	0.0926	1.33	-0.0065	-0.09
19-Dec-89	0.0286	0.0271	-0.0313	-0.0299	0.0599	-0.0570	0.0522	0.75	-0.0027	-0.04
19-Dec-89	0.0274	0.0269	-0.0307	-0.0302	0.0581	-0.0571	0.0504	0.72	-0.0028	-0.04
19-Dec-89	0.0255	0.0261	-0.0308	-0.0314	0.0563	-0.0575	0.0486	0.70	-0.0032	-0.05
20-Dec-89	0.0262	0.0269	-0.0292	-0.0299	0.0554	-0.0568	0.0477	0.68	-0.0025	-0.04
20-Dec-89	0.0253	0.0258	-0.0297	-0.0309	0.0550	-0.0567	0.0473	0.68	-0.0024	-0.03
27-Dec-89	0.0270	0.0226	-0.0252	-0.0253	0.0522	-0.0479	0.0445	0.64	0.0064	0.09
28-Dec-89	0.0215	0.0210	-0.0254	-0.0257	0.0469	-0.0467	0.0392	0.56	0.0076	0.11
28-Dec-89	0.0222	0.0227	-0.0248	-0.0252	0.0470	-0.0479	0.0393	0.56	0.0064	0.09
29-Dec-89	0.0223	0.0228	-0.0250	-0.0251	0.0473	-0.0479	0.0396	0.57	0.0064	0.09
19-Jan-90	0.0017	0.0293	-0.0319	-0.0045	0.0336	-0.0338	0.0259	0.37	0.0205	0.29
19-Jan-90	0.0046	0.0323	-0.0077	-0.0353	0.0123	-0.0676	0.0046	0.07	-0.0133	-0.19
01-Feb-90	0.0049	0.0315	-0.0042	-0.0312	0.0091	-0.0627	0.0014	0.02	-0.0084	-0.12
09-Mar-90	0.0016	0.0291	-0.0044	-0.0317	0.0060	-0.0608	-0.0017	-0.02	-0.0065	-0.09
29-Mar-90	0.0015	0.0289	-0.0045	-0.0317	0.0060	-0.0606	-0.0017	-0.02	-0.0063	-0.09

E diff = PEG 1 - PEG 3
S diff = PEG 4 - PEG 2
E chng = E diff - (E diff)initial

S chng = S diff - (S diff)initial
E ang = ARCSINE [(E chng)/4]
S ang = ARCSINE [(S chng)/4]

(+) N chng = tilt toward North
(+) E chng = tilt toward East

SALTPLWK1
FEB. 14, 1994 M

SALINE COUNTY -- GALATIA SITE -- PANEL 1
TILTPLATE DATA AT CENTERLINE

PLATE No. M174:

DATE	PEG 1 (INCHES)	PEG 2 (INCHES)	PEG 3 (INCHES)	PEG 4 (INCHES)	E diff (INCHES)	S diff (INCHES)	E chng (INCHES)	E ang (DEGREES)	S chng (INCHES)	S ang (DEGREES)
08-Nov-89	-0.0729	0.0238	0.0703	-0.0262	-0.1432	-0.0500				
13-Nov-89	-0.0729	0.0241	0.0701	-0.0264	-0.1430	-0.0505	0.0002	0.00	-0.0005	-0.01
21-Nov-89	-0.0726	0.0234	0.0701	-0.0262	-0.1427	-0.0496	0.0005	0.01	0.0004	0.01
28-Nov-89	-0.0727	0.0230	0.0695	-0.0262	-0.1422	-0.0492	0.0010	0.01	0.0008	0.01
29-Nov-89	-0.0728	0.0225	0.0693	-0.0293	-0.1421	-0.0518	0.0011	0.02	-0.0018	-0.03
04-Dec-89	-0.0719	0.0231	0.0688	-0.0260	-0.1407	-0.0491	0.0025	0.04	0.0009	0.01
05-Dec-89	-0.0719	0.0234	0.0691	-0.0259	-0.1410	-0.0493	0.0022	0.03	0.0007	0.01
08-Dec-89	-0.0683	0.0227	0.0651	-0.0261	-0.1334	-0.0488	0.0098	0.14	0.0012	0.02
12-Dec-89	-0.0643	0.0233	0.0618	-0.0265	-0.1261	-0.0498	0.0171	0.24	0.0002	0.00
13-Dec-89	-0.0422	0.0211	0.0390	-0.0246	-0.0812	-0.0457	0.0620	0.89	0.0043	0.06
14-Dec-89	-0.0010	0.0156	-0.0033	-0.0208	0.0023	-0.0364	0.1455	2.08	0.0136	0.19
14-Dec-89	-0.0015	0.0157	-0.0029	-0.0204	0.0014	-0.0361	0.1446	2.07	0.0139	0.20
15-Dec-89	-0.0075	0.0144	0.0040	-0.0183	-0.0115	-0.0327	0.1317	1.89	0.0173	0.25
15-Dec-89	-0.0094	0.0138	0.0063	-0.0171	-0.0157	-0.0309	0.1275	1.83	0.0191	0.27
15-Dec-89	-0.0116	0.0131	0.0086	-0.0163	-0.0202	-0.0294	0.1230	1.76	0.0206	0.30
15-Dec-89	-0.0140	0.0140	0.0106	-0.0159	-0.0246	-0.0299	0.1186	1.70	0.0201	0.29
16-Dec-89	-0.0233	0.0137	0.0210	-0.0161	-0.0443	-0.0298	0.0989	1.42	0.0202	0.29
16-Dec-89	-0.0235	0.0135	0.0208	-0.0163	-0.0443	-0.0298	0.0989	1.42	0.0202	0.29
17-Dec-89	-0.0242	0.0123	0.0206	-0.0142	-0.0448	-0.0265	0.0984	1.41	0.0235	0.34
18-Dec-89	-0.0241	0.0130	0.0211	-0.0161	-0.0452	-0.0291	0.0980	1.40	0.0209	0.30
18-Dec-89	-0.0253	0.0122	0.0218	-0.0160	-0.0471	-0.0282	0.0961	1.38	0.0218	0.31
18-Dec-89	-0.0305	0.0124	0.0269	-0.0159	-0.0574	-0.0283	0.0858	1.23	0.0217	0.31
19-Dec-89	-0.0447	0.0131	0.0420	-0.0161	-0.0867	-0.0292	0.0565	0.81	0.0208	0.30
19-Dec-89	-0.0455	0.0127	0.0419	-0.0163	-0.0874	-0.0290	0.0558	0.80	0.0210	0.30
19-Dec-89	-0.0462	0.0113	0.0413	-0.0165	-0.0875	-0.0278	0.0557	0.80	0.0222	0.32
20-Dec-89	-0.0436	0.0123	0.0404	-0.0156	-0.0840	-0.0279	0.0592	0.85	0.0221	0.32
20-Dec-89	-0.0453	0.0115	0.0406	-0.0169	-0.0859	-0.0284	0.0573	0.82	0.0216	0.31
27-Dec-89	-0.0486	0.0134	0.0452	-0.0175	-0.0938	-0.0309	0.0494	0.71	0.0191	0.27
28-Dec-89	-0.0486	0.0137	0.0453	-0.0179	-0.0939	-0.0316	0.0493	0.71	0.0184	0.26
28-Dec-89	-0.0488	0.0150	0.0464	-0.0142	-0.0952	-0.0292	0.0480	0.69	0.0208	0.30
29-Dec-89	-0.0503	0.0137	0.0471	-0.0161	-0.0974	-0.0298	0.0458	0.66	0.0202	0.29
19-Jan-90	-0.0527	0.0130	0.0499	-0.0162	-0.1026	-0.0292	0.0406	0.58	0.0208	0.30
19-Jan-90	-0.0530	0.0128	0.0502	-0.0161	-0.1032	-0.0289	0.0400	0.57	0.0211	0.30
01-Feb-90	-0.0551	0.0163	0.0545	-0.0171	-0.1096	-0.0334	0.0336	0.48	0.0166	0.24
09-Mar-90	-0.0598	0.0162	0.0572	-0.0186	-0.1170	-0.0348	0.0262	0.38	0.0152	0.22
29-Mar-90	-0.0610	0.0164	0.0582	-0.0188	-0.1192	-0.0352	0.0240	0.34	0.0148	0.21

E diff = PEG 1 - PEG 3
S diff = PEG 4 - PEG 2
E chng = E diff - (E diff)initial

S chng = S diff - (S diff)initial
E ang = ARCSINE [(E chng)/4]
S ang = ARCSINE [(S chng)/4]

(+) N chng = tilt toward North
(+) E chng = tilt toward East

SALTPLWK1
FEB. 14, 1994 M

SALINE COUNTY --- GALATIA SITE --- PANEL 1
TILTPLATE DATA AT CENTERLINE

8 PLATE No. M176:

DATE	PEG 1 (INCHES)	PEG 2 (INCHES)	PEG 3 (INCHES)	PEG 4 (INCHES)	E diff (INCHES)	S diff (INCHES)	E chng (INCHES)	E ang (DEGREES)	S chng (INCHES)	S ang (DEGREES)
08-Nov-89	0.0450	-0.0458	-0.0468	0.0435	0.0918	0.0893				
13-Nov-89	0.0447	-0.0459	-0.0468	0.0434	0.0915	0.0893	-0.0003	-0.00	0.0000	0.00
21-Nov-89	0.0490	-0.0447	-0.0514	0.0459	0.1004	0.0906	0.0086	0.12	0.0013	0.02
28-Nov-89	0.0493	-0.0437	-0.0526	0.0406	0.1019	0.0843	0.0101	0.14	-0.0050	-0.07
29-Nov-89	0.0491	-0.0440	-0.0527	0.0404	0.1018	0.0844	0.0100	0.14	-0.0049	-0.07
04-Dec-89	0.0494	-0.0440	-0.0522	0.0411	0.1016	0.0851	0.0098	0.14	-0.0042	-0.06
05-Dec-89	0.0493	-0.0045	-0.0524	0.0433	0.1017	0.0478	0.0099	0.14	-0.0415	-0.59
08-Dec-89	0.0578	-0.0437	-0.0609	0.0415	0.1187	0.0852	0.0269	0.39	-0.0041	-0.06
12-Dec-89	0.0753	-0.0445	-0.0782	0.0422	0.1535	0.0867	0.0617	0.88	-0.0026	-0.04
13-Dec-89	0.1114	-0.0480	-0.1147	0.0427	0.2261	0.0907	0.1343	1.92	0.0014	0.02
14-Dec-89	0.1159	-0.0544	-0.1208	0.0494	0.2367	0.1038	0.1449	2.08	0.0145	0.21
14-Dec-89	0.1163	-0.0553	-0.1191	0.0547	0.2354	0.1100	0.1436	2.06	0.0207	0.30
15-Dec-89	0.1049	-0.0554	-0.1092	0.0514	0.2141	0.1068	0.1223	1.75	0.0175	0.25
15-Dec-89	0.1020	-0.0557	-0.1055	0.0522	0.2075	0.1079	0.1157	1.66	0.0186	0.27
15-Dec-89	0.0996	-0.0560	-0.1031	0.0524	0.2027	0.1084	0.1109	1.59	0.0191	0.27
15-Dec-89	0.0943	-0.0572	-0.0995	0.0587	0.1938	0.1159	0.1020	1.46	0.0266	0.38
16-Dec-89	0.0897	-0.0567	-0.0921	0.0542	0.1818	0.1109	0.0900	1.29	0.0216	0.31
16-Dec-89	0.0895	-0.0577	-0.0922	0.0542	0.1817	0.1119	0.0899	1.29	0.0226	0.32
17-Dec-89	0.0892	-0.0564	-0.0927	0.0526	0.1819	0.1090	0.0901	1.29	0.0197	0.28
18-Dec-89	0.0884	-0.0571	-0.0919	0.0536	0.1803	0.1107	0.0885	1.27	0.0214	0.31
18-Dec-89	0.0883	-0.0563	-0.0921	0.0530	0.1804	0.1093	0.0886	1.27	0.0200	0.29
18-Dec-89	0.0855	-0.0567	-0.0890	0.0532	0.1745	0.1099	0.0827	1.18	0.0206	0.30
19-Dec-89	0.0760	-0.0571	-0.0799	0.0535	0.1559	0.1106	0.0641	0.92	0.0213	0.31
19-Dec-89	0.0758	-0.0570	-0.0797	0.0532	0.1555	0.1102	0.0637	0.91	0.0209	0.30
19-Dec-89	0.0747	-0.0573	-0.0795	0.0525	0.1542	0.1098	0.0624	0.89	0.0205	0.29
20-Dec-89	0.0736	-0.0571	-0.0784	0.0539	0.1520	0.1110	0.0602	0.86	0.0217	0.31
20-Dec-89	0.0701	-0.0572	-0.0782	0.0542	0.1483	0.1114	0.0565	0.81	0.0221	0.32
27-Dec-89	0.0708	-0.0576	-0.0752	0.0576	0.1460	0.1152	0.0542	0.78	0.0259	0.37
28-Dec-89	0.1123	-0.0576	-0.0758	0.0550	0.1881	0.1126	0.0963	1.38	0.0233	0.33
28-Dec-89	0.0721	-0.0577	-0.0744	0.0555	0.1465	0.1132	0.0547	0.78	0.0239	0.34
29-Dec-89	0.0721	-0.0576	-0.0746	0.0551	0.1467	0.1127	0.0549	0.79	0.0234	0.34
19-Jan-90	0.0618	-0.0589	-0.0650	0.0561	0.1268	0.1150	0.0350	0.50	0.0257	0.37
19-Jan-90	0.0625	-0.0565	-0.0667	0.0534	0.1292	0.1099	0.0374	0.54	0.0206	0.30
01-Feb-90	0.0659	-0.0526	-0.0674	0.0507	0.1333	0.1033	0.0415	0.59	0.0140	0.20
09-Mar-90	0.0640	-0.0550	-0.0665	0.0525	0.1305	0.1075	0.0387	0.55	0.0182	0.26
29-Mar-90	0.0646	-0.0545	-0.0672	0.0519	0.1318	0.1064	0.0400	0.57	0.0171	0.24

E diff = PEG 1 - PEG 3
S diff = PEG 4 - PEG 2
E chng = E diff - (E diff)initial

S chng = S diff - (S diff)initial
E ang = ARCSINE [(E chng)/4]
S ang = ARCSINE [(S chng)/4]

(+) N chng = tilt toward North
(+) E chng = tilt toward East

SALTTLPLWK1
FEB. 14, 1994 M

APPENDIX E Grid Data

SALINE COUNTY -- GALATIA SITE -- PANEL 2
 GRID
 TOTAL STATION DATA
 BASELINE

STATION	NORTHING (FT)	EASTING (FT)	ELEVATION (FT)
084	422916.255	431119.844	416.184
841	422916.574	431139.874	416.782
842	422917.400	431159.739	417.539
843	422918.358	431179.699	418.302
085	422936.193	431119.932	416.300
851	422936.520	431139.973	416.633
852	422936.892	431159.924	417.136
853	422937.375	431179.879	417.909
086	422956.207	431119.876	416.402
861	422956.749	431139.992	416.500
862	422957.078	431159.887	416.982
863	422957.266	431179.889	416.821
087	422976.162	431119.889	416.412
871	422976.590	431140.011	416.556
872	422976.639	431159.844	416.655
873	422976.522	431180.123	416.843
098	423204.916	431120.003	422.220
981	423205.471	431139.994	422.127
982	423206.276	431159.843	422.915
983	423207.204	431180.047	423.903

SALINE COUNTY -- GALATIA SITE -- PANEL 2
 GRID
 TOTAL STATION DATA
 9/22/90 09:15AM

STATION	NORTHING (FT)	EASTING (FT)	ELEVATION (FT)
084	422916.264	431119.892	416.151
841	422916.579	431139.914	416.737
842	422917.42	431159.777	417.485
843	422918.394	431179.739	418.248
085	422936.209	431119.984	416.253
851	422936.547	431140.025	416.572
852	422936.928	431159.991	417.071
853	422937.443	431179.945	417.818
086	422956.223	431119.939	416.342
861	422956.785	431140.063	416.425
862	422957.144	431159.976	416.888
863	422957.422	431180.009	416.652
087	422976.191	431119.97	416.339
871	422976.647	431140.133	416.447
872	422976.765	431160.024	416.472
873	422976.82	431180.376	416.554
098	423204.872	431120.332	421.956
981	423205.377	431140.608	421.613
982	423206.153	431160.603	421.995
983	423207.043	431180.866	422.389

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SALINE COUNTY -- GALATIA SITE -- PANEL 2
 GRID
 TOTAL STATION DATA
 9/22/90 2:45PM

STATION	NORTHING (FT)	EASTING (FT)	ELEVATION (FT)
084	422916.274	431119.877	416.143
841	422916.6	431139.905	416.728
842	422917.441	431159.774	417.478
843	422918.421	431179.736	418.232
085	422936.229	431119.974	416.248
851	422936.562	431140.024	416.566
852	422936.956	431159.980	417.058
853	422937.469	431179.940	417.801
086	422956.243	431119.943	416.320
861	422956.814	431140.073	416.403
862	422957.179	431159.974	416.855
863	422957.502	431180.017	416.576
087	422976.22	431119.991	416.306
871	422976.689	431140.161	416.399
872	422976.832	431160.071	416.382
873	422976.981	431180.450	416.425
098	423204.877	431120.609	421.659
981	423205.422	431140.760	421.011
982	423206.177	431160.639	421.175
983	423207.086	431180.704	421.541

SALINE COUNTY -- GALATIA SITE -- PANEL 2
 GRID
 TOTAL STATION DATA
 9/23/90 09:00AM

STATION	NORTHING (FT)	EASTING (FT)	ELEVATION (FT)
084	422916.289	431119.858	416.141
841	422916.621	431139.883	416.719
842	422917.467	431159.758	417.462
843	422918.447	431179.71	418.221
085	422936.253	431119.962	416.227
851	422936.608	431140.005	416.541
852	422937.009	431159.954	417.025
853	422937.57	431179.92	417.757
086	422956.302	431119.944	416.282
861	422956.976	431140.092	416.308
862	422957.378	431160.007	416.75
863	422957.731	431179.988	416.418
087	422976.347	431120.043	416.182
871	422976.934	431140.26	416.206
872	422977.113	431160.087	416.094
873	422977.262	431180.339	416.12
098	423204.793	431120.658	421.08
981	423205.357	431140.659	420.135
982	423206.145	431160.306	420.201
983	423207.047	431180.161	420.732

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SALINE COUNTY -- GALATIA SITE -- PANEL 2
 GRID
 TOTAL STATION DATA
 9/24/90 3:30PM

STATION	NORTHING (FT)	EASTING (FT)	ELEVATION (FT)
084	422916.324	431119.924	416.107
841	422916.656	431139.955	416.691
842	422917.494	431159.818	417.434
843	422918.47	431179.766	418.182
085	422936.319	431120.046	416.169
851	422936.701	431140.093	416.462
852	422937.083	431160.034	416.940
853	422937.674	431179.963	417.624
086	422956.471	431120.101	416.156
861	422957.262	431140.195	416.076
862	422957.663	431160.061	416.528
863	422957.96	431179.974	416.196
087	422976.693	431120.234	415.778
871	422977.328	431140.352	415.745
872	422977.494	431160.103	415.637
873	422977.523	431180.272	415.715
098	423204.804	431120.604	419.471
981	423205.394	431140.433	418.698
982	423206.121	431159.837	419.201
983	423207.003	431179.77	420.049

SALINE COUNTY -- GALATIA SITE -- PANEL 2
 GRID
 TOTAL STATION DATA
 9/25/90 10:40AM

STATION	NORTHING (FT)	EASTING (FT)	ELEVATION (FT)
084	422916.344	431119.865	416.119
841	422916.687	431139.884	416.711
842	422917.527	431159.74	417.456
843	422918.509	431179.693	418.213
085	422936.373	431119.952	416.175
851	422936.764	431139.984	416.439
852	422937.144	431159.93	416.930
853	422937.759	431179.841	417.600
086	422956.634	431120.02	416.101
861	422957.437	431140.034	415.990
862	422957.828	431159.899	416.474
863	422958.096	431179.798	416.154
087	422976.908	431120.079	415.588
871	422977.536	431140.128	415.570
872	422977.672	431159.865	415.495
873	422977.678	431180.048	415.619
098	423204.773	431119.878	418.816
981	423205.366	431139.739	418.306
982	423206.11	431159.214	418.994
983	423207.023	431179.267	419.937

GRIDTTST.WK1
 FEB. 14, 1994 M

SALINE COUNTY -- GALATIA SITE -- PANEL 2
 GRID
 TOTAL STATION DATA
 9/26/90 12:00PM

STATION	NORTHING (FT)	EASTING (FT)	ELEVATION (FT)
084	422916.359	431119.846	416.084
841	422916.692	431139.868	416.667
842	422917.531	431159.732	417.411
843	422918.511	431179.687	418.168
085	422916.397	431119.961	416.122
851	422916.788	431139.984	416.395
852	422917.162	431159.928	416.878
853	422917.774	431179.829	417.540
086	422916.653	431120.019	416.030
861	422917.465	431140.038	415.914
862	422917.851	431159.891	416.396
863	422918.106	431179.807	416.080
087	422916.947	431120.09	415.484
871	422917.572	431140.149	415.471
872	422917.893	431159.877	415.393
873	422917.692	431180.034	415.530
098	423204.786	431119.841	418.644
981	423205.369	431139.731	418.142
982	423206.109	431159.193	418.822
983	423207.014	431179.276	419.799

SALINE COUNTY -- GALATIA SITE -- PANEL 2
 GRID
 TOTAL STATION DATA
 10/02/90

STATION	NORTHING (FT)	EASTING (FT)	ELEVATION (FT)
084	422916.45	431119.817	416.068
841	422916.745	431139.866	416.671
842	422917.599	431159.713	417.405
843	422918.532	431179.683	418.164
085	422916.597	431119.892	416.039
851	422916.908	431139.934	416.315
852	422917.264	431159.85	416.823
853	422917.843	431179.758	417.502
086	422916.982	431119.815	415.844
861	422917.649	431139.876	415.78
862	422918.039	431159.738	416.31
863	422918.197	431179.697	416.013
087	422917.283	431119.809	415.148
871	422917.784	431139.912	415.253
872	422917.886	431159.664	415.248
873	422917.801	431179.902	415.445
098	423204.732	431119.295	418.168
981	423205.359	431139.257	417.841
982	423206.089	431158.84	418.636
983	423207.039	431179.002	419.675

GRIDTST.WK1
 FEB. 14, 1994 M

SALINE COUNTY -- GALATIA SITE -- PANEL 2

GRID

TOTAL STATION DATA

11/22/90

STATION	NORTHING (FT)	EASTING (FT)	ELEVATION (FT)
084	422916.531	431119.759	415.944
841	422916.831	431139.811	416.577
842	422917.645	431159.676	417.314
843	422918.622	431179.647	418.07
085	422936.702	431119.821	415.834
851	422937.035	431139.849	416.148
852	422937.407	431159.809	416.695
853	422937.933	431179.695	417.382
086	422957.12	431119.671	415.575
861	422957.776	431139.702	415.564
862	422958.156	431159.626	416.138
863	422958.291	431179.611	415.855
087	422977.456	431119.597	414.864
871	422977.931	431139.721	414.994
872	422977.967	431159.544	415.044
873	422977.896	431179.78	415.265
098	423204.731	431118.884	417.73
981	423205.324	431138.974	417.46
982	423206.096	431158.607	418.327
983	423207.029	431178.823	419.393

GRIDTTST.WK1
FEB. 14, 1994 M

SALINE COUNTY --- GALATIA SITE --- PANEL 2
 CENTERLINE
 HORIZONTAL STRAINS

PROFILE	MONUMENT	ORIGINAL LENGTH (FT)	9/22/90 09:15AM		9/22/90 2:45PM		9/23/90 09:00AM		9/24/90 3:30PM	
			LENGTH (FT)	STRAIN	LENGTH (FT)	STRAIN	LENGTH (FT)	STRAIN	LENGTH (FT)	STRAIN
E5	98	19.991	20.276	0.0143	20.1510	0.0080	20.0010	0.0005	19.8290	-0.0081
	981	19.849	19.995	0.0074	19.8790	0.0015	19.6470	-0.0102	19.4040	-0.0224
	982	20.204	20.263	0.0029	20.0650	-0.0069	19.8550	-0.0173	19.9330	-0.0134
	983									

PROFILE	MONUMENT	ORIGINAL LENGTH (FT)	9/25/90 10:40AM		9/26/90 12:00PM		10/02/90		11/22/90	
			LENGTH (FT)	STRAIN	LENGTH (FT)	STRAIN	LENGTH (FT)	STRAIN	LENGTH (FT)	STRAIN
E5	98	19.991	19.8610	-0.0065	19.8900	-0.0051	19.9620	-0.0015	20.0900	0.0050
	981	19.849	19.4750	-0.0188	19.4620	-0.0195	19.5830	-0.0134	19.6330	-0.0109
	982	20.204	20.0530	-0.0075	20.0830	-0.0060	20.1620	-0.0021	20.2160	0.0006
	983									

CLHRZSTN.WK1
 FEB. 15, 1994 Tu

SALINE COUNTY -- GALATIASITE -- PANEL 2
 GRID
 HORIZONTAL STRAINS

PROFILE	MONUMENT	ORIGINAL LENGTH (FT)	9/22/90 09:15AM		9/22/90 02:45PM		9/23/90 09:00AM		9/24/90 3:30PM	
			LENGTH (FT)	STRAIN	LENGTH (FT)	STRAIN	LENGTH (FT)	STRAIN	LENGTH (FT)	STRAIN
N1	84	19.938	19.945	0.0004	19.9550	0.0009	19.9640	0.0013	19.9950	0.0029
	85	20.014	20.014	0.0000	20.0140	0.0000	20.0490	0.0017	20.1520	0.0069
	86	19.955	19.968	0.0007	19.9770	0.0011	20.0450	0.0045	20.2220	0.0134
	87									
N2	841	19.946	19.968	0.0011	19.9620	0.0008	19.9870	0.0021	20.0450	0.0050
	851	20.230	20.238	0.0004	20.2520	0.0011	20.3680	0.0088	20.5610	0.0164
	861	19.840	19.862	0.0011	19.8750	0.0017	19.9580	0.0059	20.0660	0.0114
	871									
N3	842	19.492	19.508	0.0008	19.5150	0.0012	19.5420	0.0025	19.5890	0.0050
	852	20.186	20.216	0.0015	20.2230	0.0019	20.3690	0.0091	20.5800	0.0195
	862	19.562	19.621	0.0030	19.6530	0.0047	19.7350	0.0089	19.8310	0.0138
	872									
N4	843	19.017	19.049	0.0017	19.0480	0.0017	19.1230	0.0056	19.2040	0.0099
	853	19.891	19.979	0.0044	20.0330	0.0071	20.1610	0.0136	20.2860	0.0199
	863	19.256	19.398	0.0074	19.4790	0.0116	19.5310	0.0143	19.5630	0.0159
	873									
E1	84	20.030	20.022	-0.0004	20.0280	-0.0001	20.0250	-0.0003	20.0310	0.0000
	841	19.865	19.863	-0.0001	19.8690	0.0002	19.8750	0.0005	19.8630	-0.0001
	842	19.960	19.962	0.0001	19.9620	0.0001	19.9520	-0.0004	19.9480	-0.0006
	843									
E2	85	20.042	20.041	-0.0000	20.0500	0.0004	20.0430	0.0001	20.0470	0.0003
	851	19.950	19.956	0.0008	19.9560	0.0003	19.9490	-0.0001	19.9410	-0.0005
	852	19.955	19.954	-0.0001	19.9600	0.0002	19.9660	0.0005	19.9290	-0.0013
	853									
E3	86	20.116	20.124	0.0004	20.1300	0.0007	20.1480	0.0016	20.0940	-0.0011
	861	19.895	19.913	0.0009	19.9010	0.0003	19.9150	0.0010	19.8660	-0.0015
	862	20.002	20.033	0.0015	20.0430	0.0020	19.9810	-0.0010	19.9130	-0.0044
	863									
E4	87	20.122	20.133	0.0020	20.1700	0.0024	20.2170	0.0047	20.1180	-0.0002
	871	19.833	19.891	0.0029	19.9100	0.0039	19.8270	-0.0003	19.7510	-0.0041
	872	20.280	20.352	0.0036	20.3790	0.0049	20.2520	-0.0014	20.1690	-0.0054
	873									
NE	84	28.563	28.579	0.0005	28.592	0.0010	28.614	0.0018	28.671	0.0038
	851	28.621	28.675	0.0019	28.689	0.0024	28.835	0.0075	28.950	0.0115
	862	28.064	28.343	0.0099	28.485	0.0150	28.439	0.0134	28.336	0.0097
	873									
NW	87	27.946	27.934	-0.0004	27.926	-0.0007	27.878	-0.0024	27.857	-0.0032
	861	28.135	28.132	-0.0001	28.118	-0.0006	28.163	0.0010	28.298	0.0058
	852	27.103	27.083	-0.0007	27.090	-0.0005	27.108	0.0002	27.126	0.0008
	843									

SALINE COUNTY --- GALATIA SITE --- PANEL 2
GRID
HORIZONTAL STRAINS

PROFILE	MONUMENT	ORIGINAL LENGTH (FT)	9/25/90 10:40AM		9/26/90 12:00PM		10/02/90		11/22/90	
			LENGTH (FT)	STRAIN	LENGTH (FT)	STRAIN	LENGTH (FT)	STRAIN	LENGTH (FT)	STRAIN
N1	84	19.938	20.0290	0.0046	20.0380	0.0050	20.1470	0.0105	20.1710	0.0117
	85	20.014	20.2610	0.0123	20.2560	0.0121	20.3850	0.0185	20.4180	0.0202
	86	19.955	20.2740	0.0160	20.2940	0.0170	20.3010	0.0173	20.3360	0.0191
	87									
N2	841	19.946	20.0770	0.0066	20.0960	0.0075	20.1630	0.0109	20.2040	0.0129
	851	20.230	20.6730	0.0219	20.6770	0.0221	20.7410	0.0253	20.7410	0.0253
	861	19.840	20.0990	0.0130	20.1070	0.0134	20.1350	0.0148	20.1550	0.0159
	871									
N3	842	19.492	19.6170	0.0064	19.6310	0.0071	19.6650	0.0088	19.7620	0.0138
	852	20.186	20.6840	0.0247	20.6890	0.0249	20.7750	0.0292	20.7490	0.0279
	862	19.562	19.8440	0.0144	19.8420	0.0143	19.8470	0.0146	19.8110	0.0128
	872									
N4	843	19.017	19.2500	0.0123	19.2630	0.0130	19.3110	0.0155	19.3110	0.0155
	853	19.891	20.3370	0.0224	20.3320	0.0222	20.3540	0.0233	20.3580	0.0235
	863	19.256	19.5820	0.0169	19.5860	0.0171	19.6040	0.0181	19.6050	0.0181
	873									
E1	84	20.030	20.0190	-0.0006	20.0220	-0.0004	20.0490	0.0009	20.0520	0.0011
	841	19.865	19.8560	-0.0005	19.8640	-0.0001	19.8470	-0.0009	19.8650	0.0000
	842	19.960	19.9530	-0.0004	19.9550	-0.0003	19.9700	0.0005	19.9710	0.0006
	843									
E2	85	20.042	20.0320	-0.0005	20.0230	-0.0009	20.0420	0.0000	20.0280	-0.0007
	851	19.950	19.9460	-0.0002	19.9440	-0.0003	19.9160	-0.0017	19.9600	0.0005
	852	19.955	19.9110	-0.0022	19.9010	-0.0027	19.9080	-0.0024	19.8860	-0.0035
	853									
E3	86	20.116	20.0140	-0.0050	20.0190	-0.0048	20.0610	-0.0027	20.0310	-0.0042
	861	19.895	19.8650	-0.0015	19.8530	-0.0021	19.8620	-0.0017	19.9240	0.0015
	862	20.002	19.8990	-0.0051	19.9160	-0.0043	19.9590	-0.0021	19.9850	-0.0008
	863									
E4	87	20.122	20.0490	-0.0036	20.0590	-0.0031	20.1030	-0.0009	20.1240	0.0001
	871	19.833	19.7370	-0.0048	19.7280	-0.0053	19.7520	-0.0041	19.8230	-0.0005
	872	20.280	20.1830	-0.0048	20.1570	-0.0060	20.2380	-0.0020	20.2360	-0.0021
	873									
NE	84	28.563	28.666	0.0036	28.686	0.0043	28.692	0.0045	28.706	0.0050
	851	28.621	28.988	0.0128	28.982	0.0126	28.961	0.0119	28.935	0.0110
	862	28.064	28.284	0.0079	28.274	0.0075	28.233	0.0060	28.211	0.0052
	873									
NW	87	27.946	27.880	-0.0023	27.883	-0.0022	28.075	0.0046	28.134	0.0067
	861	28.135	28.419	0.0101	28.422	0.0102	28.540	0.0144	28.621	0.0173
	852	27.103	27.163	0.0022	27.171	0.0025	27.281	0.0066	27.321	0.0080
	843									

SALINE COUNTY -- GALATIA SITE -- PANEL 2
INCLINOMETER @ NE CORNER OF GRID 2

DATA PERPENDICULAR TO THE DIRECTION OF MINING

9/19/90a 5:27 PM

DEPTH (FT)	N	S	INITIAL DIFF
18	-56	80	-136
16	-73	91	-164
14	-69	96	-165
12	-66	91	-157
10	-67	93	-160
8	-58	82	-140
6	-25	49	-74
4	-27	50	-77
2	63	-37	100

9/19/90b 5:33 PM

DEPTH (FT)	N	S	INITIAL DIFF
18	-56	81	-137
16	-67	89	-156
14	-69	92	-161
12	-67	91	-158
10	-67	93	-160
8	-58	83	-141
6	-24	49	-73
4	-26	50	-76
2	65	-40	105

DATA PARALLEL TO THE DIRECTION OF MINING

9/19/90a 5:27 PM

DEPTH (FT)	E	W	INITIAL DIFF
18	116	-133	249
16	119	-160	279
14	143	-170	313
12	175	-206	381
10	199	-234	433
8	203	-229	432
6	172	-198	370
4	101	-132	233
2	36	-66	102

9/19/90b 5:33 PM

DEPTH (FT)	N	S	INITIAL DIFF
18	116	-134	250
16	119	-159	278
14	144	-170	314
12	181	-205	386
10	200	-235	435
8	202	-228	430
6	172	-197	369
4	100	-134	234
2	36	-66	102

INITIAL DIFF = N - S

NEINC.WK1
FEB. 23, 1994 W

SALINE COUNTY -- GALATIA SITE -- PANEL 2
INCLINOMETER @ NE CORNER OF GRID 2

DATA PERPENDICULAR TO THE DIRECTION OF MINING

9/20/90 12:22 PM

9/21/90 07:35 AM

DEPTH (FT)	N	S	DIFF	DISPL (IN.)	DEPTH (FT)	N	S	DIFF	DISPL (IN.)
18	-52	81	-133	0.0318	18	-52	74	-126	-0.069
16	-62	87	-149	0.0297	16	-63	84	-147	-0.0627
14	-64	92	-156	0.0231	14	-63	84	-147	-0.0549
12	-63	90	-153	0.0189	12	-61	84	-145	-0.0453
10	-64	93	-157	0.0162	10	-61	85	-146	-0.0378
8	-53	79	-132	0.0144	8	-51	72	-123	-0.0294
6	-20	49	-69	0.0093	6	-21	44	-65	-0.0189
4	-22	49	-71	0.0066	4	-21	42	-63	-0.0138
2	68	-40	108	0.0033	2	68	-44	112	-0.0057
					0				0

DATA PARALLEL TO THE DIRECTION OF MINING

9/20/90 12:22 PM

9/21/90 07:35 AM

DEPTH (FT)	E	W	DIFF	DISPL (IN.)	DEPTH (FT)	E	W	DIFF	DISPL (IN.)
18	104	-140	244	0.0288	18	117	-149	266	-0.0966
16	122	-170	292	0.0321	16	127	-173	300	-0.0867
14	146	-175	321	0.024	14	151	-182	333	-0.0738
12	174	-213	387	0.0195	12	185	-219	404	-0.0621
10	203	-243	446	0.0174	10	208	-251	459	-0.0498
8	201	-233	434	0.0102	8	203	-241	444	-0.0348
6	171	-205	376	0.0084	6	176	-203	379	-0.0270
4	104	-134	238	0.0045	4	108	-145	253	-0.0213
2	39	-66	105	0.0018	2	43	-75	118	-0.0096
					0				0.0000

DISPL (@ DEPTH=A) = DISPL (@ DEPTH=0) - 0.0006*SUMCHNG (@ DEPTH=A) , A = 2, 4, 6,.....,18

SUMCHNG (@ DEPTH=A) = CHNG (@ DEPTH=2) + + CHNG (@ DEPTH=A)

CHNG = DIFF - INITIAL DIFF (AVERAGE)

DIFF = N - S

DISPL (@ DEPTH=0) FROM TOTAL STATION

NEINC.WK1
FEB. 23, 1994 W

SALINE COUNTY -- GALATIA SITE -- PANEL 2
INCLINOMETER @ NE CORNER OF GRID 2

72

DATA PERPENDICULAR TO THE DIRECTION OF MINING

9/22/90a 11:28 AM

9/22/90b 2:25 PM

DEPTH (FT)	N	S	DIFF	DISPL (IN.)
18	108	-70	178	1.9530
16	160	-128	288	2.1417
14	119	-86	205	2.4105
12	191	-157	348	2.6313
10	193	-154	347	2.9346
8	147	-113	260	3.2388
6	179	-141	320	3.4791
4	127	-100	227	3.7152
2	160	-127	287	3.8973
0				4.0080

DEPTH (FT)	N	S	DIFF	DISPL (IN.)
18	152	-119	271	2.9922
16	208	-179	387	3.2367
14	171	-141	312	3.5649
12	247	-216	463	3.8499
10	250	-213	463	4.2222
8	208	-178	386	4.5960
6	227	-193	420	4.9119
4	171	-148	319	5.2080
2	191	-156	347	5.4453
0				5.5920

DATA PARALLEL TO THE DIRECTION OF MINING

9/22/90a 11:28 AM

9/22/90b 2:25 PM

DEPTH (FT)	E	W	DIFF	DISPL (IN.)
18	261	-294	555	1.3662
16	251	-301	552	1.5495
14	267	-301	568	1.7136
12	317	-364	681	1.8663
10	340	-373	713	2.0448
8	316	-367	683	2.2122
6	334	-371	705	2.3634
4	252	-292	544	2.5647
2	202	-255	457	2.7510
0				2.9640

DEPTH (FT)	E	W	DIFF	DISPL (IN.)
18	298	-336	634	1.5924
16	288	-328	616	1.8231
14	293	-323	616	2.0256
12	347	-384	731	2.2071
10	369	-393	762	2.4156
8	346	-382	728	2.6124
6	377	-407	784	2.7906
4	297	-320	617	3.0393
2	249	-284	533	3.2694
0				3.5280

DISPL (@ DEPTH=A) = DISPL (@ DEPTH=0) - 0.0006*SUMCHNG (@ DEPTH=A) , A = 2, 4, 6,.....,18
 SUMCHNG (@ DEPTH=A) = CHNG (@ DEPTH=2) + + CHNG (@ DEPTH=A)
 CHNG = DIFF - INITIAL DIFF (AVERAGE)
 DIFF = N - S
 DISPL (@ DEPTH=0) FROM TOTAL STATION

NEINC.WK1
FEB. 23, 1994 W

SALINE COUNTY --- GALATIA SITE --- PANEL 2
INCLINOMETER @ NE CORNER OF GRID 2

DATA PERPENDICULAR TO THE DIRECTION OF MINING

9/22/90c 4:20 PM

9/23/90 2:53 PM

DEPTH (FT)	N	S	DIFF	DISPL (IN.)
18	169	-138	307	3.2610
16	225	-198	423	3.5271
14	188	-161	349	3.8769
12	265	-238	503	4.1841
10	269	-235	504	4.5804
8	228	-199	427	4.9788
6	245	-213	458	5.3193
4	187	-165	352	5.6382
2	203	-174	377	5.8953
0				6.0600

DEPTH (FT)	N	S	DIFF	DISPL (IN.)
18	313	-281	594	4.6854
16	374	-348	722	5.1237
14	334	-304	638	5.6529
12	414	-390	804	6.1835
10	420	-389	809	6.7104
8	383	-356	739	7.2918
6	414	-382	796	7.8195
4	349	-331	680	8.3412
2	376	-348	724	8.7951
0				9.1680

DATA PARALLEL TO THE DIRECTION OF MINING

9/22/90c 4:20 PM

9/23/90 2:53 PM

DEPTH (FT)	E	W	DIFF	DISPL (IN.)
18	311	-343	654	1.5360
16	294	-342	636	1.7787
14	297	-336	633	1.9932
12	361	-393	754	2.1849
10	374	-400	774	2.4072
8	353	-395	748	2.6112
6	384	-423	807	2.8014
4	307	-335	642	3.0639
2	270	-297	567	3.3090
0				3.5880

DEPTH (FT)	E	W	DIFF	DISPL (IN.)
18	316	-336	652	0.3252
16	301	-349	650	0.5667
14	309	-339	648	0.7896
12	354	-392	746	0.9903
10	360	-390	750	1.2078
8	340	-388	728	1.3974
6	389	-421	810	1.5756
4	299	-336	635	1.8399
2	277	-317	594	2.0808
0				2.3760

DISPL (@ DEPTH=A) = DISPL (@ DEPTH=0) - 0.0006*SUMCHNG (@ DEPTH=A) , A = 2, 4, 6,.....,18
SUMCHNG (@ DEPTH=A) = CHNG (@ DEPTH=2) + + CHNG (@ DEPTH=A)
CHNG = DIFF - INITIAL DIFF (AVERAGE)
DIFF = N - S
DISPL (@ DEPTH=0) FROM TOTAL STATION

NEINC.WK1
FEB. 23, 1994 W

SALINE COUNTY --- GALATIA SITE --- PANEL 2
INCLINOMETER @ NE CORNER OF GRID 2

DATA PERPENDICULAR TO THE DIRECTION OF MINING

9/24/90 10:30 AM

9/26/90 09:52 AM

DEPTH (FT)	N	S	DIFF	DISPL (IN.)	DEPTH (FT)	N	S	DIFF	DISPL (IN.)
18	448	-413	861	6.2718	18	522	-488	1010	7.3212
16	513	-485	998	6.8703	16	585	-559	1144	8.0091
14	469	-438	907	7.5651	14	532	-502	1034	8.7915
12	549	-520	1069	8.2071	12	607	-581	1188	9.5097
10	547	-510	1057	8.9430	10	599	-568	1167	10.3170
8	520	-491	1011	9.6732	8	564	-533	1097	11.1132
6	572	-538	1110	10.3641	6	649	-618	1267	11.8557
4	502	-474	976	11.0742	4	579	-552	1131	12.6600
2	543	-510	1053	11.7057	2	616	-589	1205	13.3845
0				12.2760	0				14.0460

DATA PARALLEL TO THE DIRECTION OF MINING

9/24/90 10:30 AM

9/26/90 09:52 AM

DEPTH (FT)	E	W	DIFF	DISPL (IN.)	DEPTH (FT)	E	W	DIFF	DISPL (IN.)
18	258	-282	540	-0.1248	18	213	-234	447	-2.0946
16	248	-297	545	0.0495	16	215	-252	467	-1.9761
14	255	-285	540	0.2094	14	221	-243	464	-1.8630
12	303	-339	642	0.3453	12	260	-286	546	-1.7727
10	281	-315	596	0.5004	10	240	-269	509	-1.6752
8	292	-321	613	0.5976	8	244	-281	525	-1.6302
6	340	-377	717	0.7068	6	313	-345	658	-1.5738
4	247	-278	525	0.9153	4	225	-244	469	-1.4007
2	224	-261	485	1.0902	2	197	-224	421	-1.2594
0				1.3200	0				-1.0680

DISPL (@ DEPTH=A) = DISPL (@ DEPTH=0) - 0.0006*SUMCHNG (@ DEPTH=A) , A = 2, 4, 6,.....,18

SUMCHNG (@ DEPTH=A) = CHNG (@ DEPTH=2) + + CHNG (@ DEPTH=A)

CHNG = DIFF - INITIAL DIFF (AVERAGE)

DIFF = N - S

DISPL (@ DEPTH=0) FROM TOTAL STATION

NEINC.WK1
FEB. 23, 1994 W

SALINE COUNTY -- GALATIA SITE -- PANEL 2
INCLINOMETER @ NE CORNER OF GRID 2

DATA PERPENDICULAR TO THE DIRECTION OF MINING

10/02/90 09:35 AM

11/29/90

DEPTH (FT)	N	S	DIFF	DISPL (IN.)
18	562	-528	1090	8.0532
16	619	-592	1211	8.7891
14	566	-535	1101	9.6117
12	622	-596	1218	10.3701
10	600	-571	1171	11.1954
8	556	-527	1083	11.9940
6	668	-642	1310	12.7281
4	604	-577	1181	13.5582
2	648	-620	1268	14.3127
0				15.0120

DEPTH (FT)	N	S	DIFF	DISPL (IN.)
18	561	-550	1131	9.1824
16	640	-613	1253	9.9429
14	581	-552	1133	10.7907
12	608	-581	1189	11.5683
10	585	-554	1139	12.3762
8	544	-518	1062	13.1556
6	677	-649	1326	13.8771
4	645	-618	1263	14.7168
2	702	-673	1375	15.5205
0				16.2840

DATA PARALLEL TO THE DIRECTION OF MINING

10/02/90 09:35 AM

11/29/90

DEPTH (FT)	E	W	DIFF	DISPL (IN.)
18	157	-186	343	-3.1320
16	177	-220	397	-3.0759
14	174	-206	380	-3.0048
12	220	-258	478	-2.9649
10	199	-233	432	-2.9082
8	205	-233	438	-2.9094
6	297	-324	621	-2.9052
4	212	-239	451	-2.7543
2	154	-201	355	-2.6238
0				-2.4720

DEPTH (FT)	E	W	DIFF	DISPL (IN.)
18	121	-164	285	-4.3074
16	157	-212	369	-4.2861
14	135	-183	318	-4.2318
12	193	-243	436	-4.2291
10	182	-223	405	-4.1976
8	170	-207	377	-4.2150
6	251	-307	558	-4.2474
4	179	-216	395	-4.1343
2	135	-176	311	-4.0374
0				-3.9120

DISPL (@ DEPTH=A) = DISPL (@ DEPTH=0) - 0.0006*SUMCHNG (@ DEPTH=A), A = 2, 4, 6,.....,18
SUMCHNG (@ DEPTH=A) = CHNG (@ DEPTH=2) + + CHNG (@ DEPTH=A)
CHNG = DIFF - INITIAL DIFF (AVERAGE)
DIFF = N - S
DISPL (@ DEPTH=0) FROM TOTAL STATION

NEINC.WK1
FEB. 23, 1994 W

SALINE COUNTY -- GALATIA SITE -- PANEL 2
INCLINOMETER @ NW CORNER OF GRID

76

DATA PERPENDICULAR TO THE MINING DIRECTION

9/19/90a 5:27 PM

9/19/90b 5:33 PM

DEPTH (FT)	N	S	INITIAL DIFF	DEPTH (FT)	N	S	INITIAL DIFF
18	-194	213	-407	18	-192	214	-406
16	-253	270	-523	16	-252	271	-523
14	-311	333	-644	14	-311	333	-644
12	-342	357	-699	12	-340	354	-694
10	-323	342	-665	10	-323	342	-665
8	-335	355	-690	8	-334	354	-688
6	-356	374	-730	6	-356	376	-732
4	-394	419	-813	4	-393	418	-811
2	-434	453	-887	2	-430	452	-882

DATA PARALLEL TO THE MINING DIRECTION

9/19/90a 5:27 PM

9/19/90b 5:33 PM

DEPTH (FT)	E	W	INITIAL DIFF	DEPTH (FT)	E	W	INITIAL DIFF
18	485	-535	1020	18	493	-527	1020
16	470	-512	982	16	470	-505	975
14	449	-482	931	14	445	-481	926
12	422	-455	877	12	421	-453	874
10	387	-444	831	10	392	-438	830
8	384	-426	810	8	388	-421	809
6	392	-434	826	6	395	-429	824
4	384	-421	805	4	386	-413	799
2	384	-426	810	2	395	-418	813

INITIAL DIFF = N-S

NWINC.WK1
FEB. 23, 1994 W

SALINE COUNTY --- GALATIA SITE --- PANEL 2
INCLINOMETER @ NW CORNER OF GRID

DATA PERPENDICULAR TO THE MINING DIRECTION

9/20/90 12:22 PM

DEPTH (FT)	N	S	DIFF	DISPL (IN.)
18	-190	215	-405	0.0099
16	-249	272	-521	0.009
14	-308	336	-644	0.0078
12	-336	359	-695	0.0078
10	-320	345	-665	0.0069
8	-330	356	-686	0.0069
6	-352	377	-729	0.0048
4	-389	419	-808	0.0057
2	-426	453	-879	0.0033

9/21/90 07:35 AM

DEPTH (FT)	N	S	DIFF	DISPL (IN.)
18	-191	211	-402	0.1017
16	-250	269	-519	0.1044
14	-309	329	-638	0.1068
12	-337	353	-690	0.1104
10	-321	340	-661	0.1143
8	-332	352	-684	0.1167
6	-353	372	-725	0.12
4	-390	413	-803	0.1215
2	-428	448	-876	0.1269
0				0.132

DATA PARALLEL TO THE MINING DIRECTION

9/20/90 12:22 PM

DEPTH (FT)	E	W	DIFF	DISPL (IN.)
18	495	-515	1010	0.0186
16	474	-507	981	0.0246
14	448	-486	934	0.0231
12	423	-458	881	0.0198
10	392	-443	835	0.0165
8	399	-425	824	0.0138
6	398	-431	829	0.0051
4	387	-418	805	0.0027
2	394	-419	813	0.0009

9/21/90 07:35 AM

DEPTH (FT)	E	W	DIFF	DISPL (IN.)
18	490	-525	1015	0.7998
16	473	-513	986	0.7968
14	452	-487	939	0.8013
12	422	-459	881	0.8076
10	392	-446	838	0.8109
8	392	-430	822	0.8154
6	396	-434	830	0.8229
4	385	-419	804	0.8259
2	389	-424	813	0.8271
0				0.8280

DISPL (@ DEPTH=A) = DISPL (@ DEPTH=0) - 0.0006*SUMCHNG (@ DEPTH=A) , A = 2, 4, 6,.....,18

SUMCHNG (@ DEPTH=A) = CHNG (@ DEPTH=2) + + CHNG (@ DEPTH=A)

CHNG = DIFF - INITIAL DIFF (AVERAGE)

DIFF = N - S

DISPL (@ DEPTH=0) FROM TOTAL STATION

NWINC.WK1
FEB. 23, 1994 W

SALINE COUNTY -- GALATIA SITE -- PANEL 2
INCLINOMETER @ NW CORNER OF GRID

78

DATA PERPENDICULAR TO THE MINING DIRECTION

9/22/90a 11:28 AM

9/22/90b 2:25 PM

DEPTH (FT)	N	S	DIFF	DISPL (IN.)	DEPTH (FT)	N	S	DIFF	DISPL (IN.)
18	-171	204	-375	0.2391	18	-169	195	-364	0.5799
16	-226	256	-482	0.2580	16	-225	251	-476	0.6054
14	-274	310	-584	0.2826	14	-276	307	-583	0.6336
12	-317	349	-666	0.3186	12	-322	349	-671	0.6702
10	-285	317	-602	0.3369	10	-288	316	-604	0.6855
8	-302	336	-638	0.3747	8	-296	325	-621	0.7221
6	-316	348	-664	0.4056	6	-313	341	-654	0.7632
4	-350	385	-735	0.4437	4	-347	379	-726	0.8073
2	-395	426	-821	0.4899	2	-404	432	-836	0.8589
0				0.5280	0				0.8880

DATA PARALLEL TO THE MINING DIRECTION

9/22/90a 11:28 AM

9/22/90b 2:25 PM

DEPTH (FT)	E	W	DIFF	DISPL (IN.)	DEPTH (FT)	E	W	DIFF	DISPL (IN.)
18	505	-549	1054	0.6762	18	521	-564	1085	0.6648
16	500	-528	1028	0.6966	16	509	-541	1050	0.7038
14	473	-509	982	0.7263	14	479	-515	994	0.7467
12	437	-473	910	0.7584	12	444	-474	918	0.7860
10	417	-470	887	0.7791	10	429	-467	896	0.8115
8	418	-453	871	0.8130	8	428	-456	884	0.8508
6	432	-458	890	0.8499	6	431	-457	888	0.8955
4	415	-447	862	0.8889	4	426	-453	879	0.9333
2	416	-454	870	0.9249	2	430	-449	879	0.9795
0				0.9600	0				1.0200

DISPL (@ DEPTH=A) = DISPL (@ DEPTH=0) - 0.0006*SUMCHNG (@ DEPTH=A) , A = 2, 4, 6,.....,18

SUMCHNG (@ DEPTH=A) = CHNG (@ DEPTH=2) + + CHNG (@ DEPTH=A)

CHNG = DIFF - INITIAL DIFF (AVERAGE)

DIFF = N - S

DISPL (@ DEPTH=0) FROM TOTAL STATION

NWINC.WK1
FEB. 23, 1994 W

SALINE COUNTY -- GALATIA SITE -- PANEL 2
INCLINOMETER @ NW CORNER OF GRID

DATA PERPENDICULAR TO THE MINING DIRECTION

9/22/90c 4:20 PM

DEPTH (FT)	N	S	DIFF	DISPL (IN.)
18	-166	192	-358	0.5823
16	-226	248	-474	0.6114
14	-278	305	-583	0.6408
12	-319	342	-661	0.6774
10	-288	312	-600	0.6987
8	-293	320	-613	0.7377
6	-310	335	-645	0.7836
4	-346	374	-720	0.8331
2	-391	414	-805	0.8883
0				0.9360

9/23/90 2:53 PM

DEPTH (FT)	N	S	DIFF	DISPL (IN.)
18	-44	69	-113	2.1435
16	-117	140	-257	2.3196
14	-373	401	-774	2.4792
12	-172	200	-372	2.4012
10	-160	185	-345	2.5959
8	-182	207	-389	2.7879
6	-153	179	-332	2.9682
4	-247	277	-524	3.2055
2	-305	330	-635	3.3783
0				3.5280

DATA PARALLEL TO THE MINING DIRECTION

9/22/90c 4:20 PM

DEPTH (FT)	E	W	DIFF	DISPL (IN.)
18	529	-557	1086	0.7764
16	511	-541	1052	0.8160
14	480	-515	995	0.8601
12	444	-477	921	0.9000
10	423	-469	892	0.9273
8	428	-460	888	0.9642
6	431	-463	894	1.0113
4	426	-456	882	1.0527
2	424	-453	877	1.1007
0				1.1400

9/23/90 2:53 PM

DEPTH (FT)	E	W	DIFF	DISPL (IN.)
18	613	-647	1260	1.1526
16	592	-626	1218	1.2966
14	570	-602	1172	1.4403
12	518	-564	1082	1.5864
10	494	-528	1022	1.7103
8	494	-535	1029	1.8252
6	448	-480	928	1.9569
4	447	-483	930	2.0187
2	472	-487	959	2.0955
0				2.1840

DISPL (@ DEPTH=A) = DISPL (@ DEPTH=0) - 0.0006*SUMCHNG (@ DEPTH=A) , A = 2, 4, 6,.....,18
 SUMCHNG (@ DEPTH=A) = CHNG (@ DEPTH=2) + + CHNG (@ DEPTH=A)
 CHNG = DIFF - INITIAL DIFF (AVERAGE)
 DIFF = N - S
 DISPL (@ DEPTH=0) FROM TOTAL STATION

NWINC.WK1
FEB. 23, 1994 W

SALINE COUNTY -- GALATIA SITE -- PANEL 2
INCLINOMETER @ NW CORNER OF GRID

DATA PERPENDICULAR TO THE MINING DIRECTION

9/24/90 10:30 AM

9/26/90 09:52 AM

DEPTH (FT)	N	S	DIFF	DISPL (IN.)	DEPTH (FT)	N	S	DIFF	DISPL (IN.)
18	161	-127	288	4.3671	18	332	-300	632	3.7905
16	82	-55	137	4.7838	16	269	-239	502	4.4188
14	-257	289	-546	5.1798	14	-76	106	-182	5.0286
12	28	5	23	5.2386	12	216	-185	401	5.3058
10	76	-48	124	5.6703	10	272	-244	516	5.9643
8	55	-24	79	6.1437	8	259	-226	485	6.6729
6	86	-58	144	6.6048	6	291	-264	555	7.3776
4	-41	80	-121	7.1277	4	151	-121	272	8.1471
2	-103	132	-235	7.5423	2	95	-68	163	8.7975
0				7.9320	0				9.4260

DATA PARALLEL TO THE MINING DIRECTION

9/24/90 10:30 AM

9/26/90 09:52 AM

DEPTH (FT)	E	W	DIFF	DISPL (IN.)	DEPTH (FT)	E	W	DIFF	DISPL (IN.)
18	635	-680	1315	2.4924	18	621	-649	1270	1.1052
16	645	-675	1320	2.6694	16	645	-665	1310	1.2552
14	628	-666	1294	2.8743	14	623	-649	1272	1.4541
12	558	-608	1166	3.0936	12	552	-589	1141	1.6602
10	529	-565	1094	3.2679	10	530	-564	1094	1.8195
8	529	-577	1106	3.4260	8	544	-576	1120	1.9776
6	451	-499	950	3.6039	6	475	-512	987	2.1639
4	443	-482	925	3.6789	4	442	-470	912	2.2611
2	472	-505	977	3.7527	2	466	-487	953	2.3271
0				3.8520	0				2.4120

DISPL (@ DEPTH=A) = DISPL (@ DEPTH=0) - 0.0006*SUMCHNG (@ DEPTH=A) , A = 2, 4, 6,.....,18

SUMCHNG (@ DEPTH=A) = CHNG (@ DEPTH=2) + + CHNG (@ DEPTH=A)

CHNG = DIFF - INITIAL DIFF (AVERAGE)

DIFF = N - S

DISPL (@ DEPTH=0) FROM TOTAL STATION

SALINE COUNTY -- GALATIA SITE -- PANEL 2
INCLINOMETER @ NW CORNER OF GRID

DATA PERPENDICULAR TO THE MINING DIRECTION

10/02/90 09:35 AM

11/29/90

DEPTH (FT)	N	S	DIFF	DISPL (IN.)	DEPTH (FT)	N	S	DIFF	DISPL (IN.)
18	448	-421	869	7.8615	18	488	-465	953	9.2661
16	397	-372	769	8.6268	16	438	-412	850	10.0818
14	98	-69	167	9.4020	14	231	-205	436	10.9056
12	323	-297	620	9.8886	12	344	-321	665	11.5536
10	386	-361	747	10.6785	10	423	-402	825	12.3705
8	394	-366	760	11.5257	8	458	-432	890	13.2645
6	404	-379	783	12.3954	6	432	-409	841	14.2122
4	278	-249	527	13.3017	4	286	-259	545	15.1533
2	227	-200	427	14.1051	2	224	-199	423	15.9675
0				14.8920	0				16.7520

DATA PARALLEL TO THE MINING DIRECTION

10/02/90 09:35 AM

11/29/90

DEPTH (FT)	E	W	DIFF	DISPL (IN.)	DEPTH (FT)	E	W	DIFF	DISPL (IN.)
18	480	-520	1000	-2.3148	18	381	-424	805	-3.2706
16	517	-553	1070	-2.1648	16	424	-469	893	-3.3996
14	498	-529	1027	-1.9659	14	412	-460	872	-3.4509
12	432	-479	911	-1.7598	12	374	-408	782	-3.4848
10	409	-450	859	-1.6005	10	351	-381	732	-3.5409
8	440	-469	909	-1.4424	8	330	-367	697	-3.6000
6	383	-417	800	-1.2561	6	222	-263	485	-3.6675
4	330	-366	696	-1.1589	4	200	-242	442	-3.8715
2	343	-369	712	-1.0929	2	243	-281	524	-4.0875
0				-1.0080	0				-4.2600

DISPL (@ DEPTH=A) = DISPL (@ DEPTH=0) - 0.0006*SUMCHNG (@ DEPTH=A) , A = 2, 4, 6,.....,18
 SUMCHNG (@ DEPTH=A) = CHNG (@ DEPTH=2) + + CHNG (@ DEPTH=A)
 CHNG = DIFF - INITIAL DIFF (AVERAGE)
 DIFF = N - S
 DISPL (@ DEPTH=0) FROM TOTAL STATION

NWINC.WK1
FEB. 23, 1994 W

SALINE COUNTY -- GALATIA SITE -- PANEL 2
INCLINOMETER @ SE CORNER OF GRID

DATA PERPENDICULAR TO THE MINING DIRECTION

9/19/90a 5:27 PM

9/20/90 12:40 PM

DEPTH (FT)	N	S	INITIAL DIFF	DEPTH (FT)	N	S	INITIAL DIFF
18	-138	164	-302	18	-135	161	-296
16	-143	169	-312	16	-142	166	-308
14	-134	161	-295	14	-130	158	-288
12	-140	165	-305	12	-135	163	-298
10	-75	91	-166	10	-69	91	-160
8	7	18	-11	8	12	16	-4
6	8	17	-9	6	12	16	-4
4	33	-5	38	4	37	-6	43
2	51	-29	80	2	55	-27	82

DATA PARALLEL TO THE MINING DIRECTION

9/19/90a 5:27 PM

9/20/90 12:40 PM

DEPTH (FT)	E	W	INITIAL DIFF	DEPTH (FT)	E	W	INITIAL DIFF
18	692	-704	1396	18	693	-705	1398
16	661	-688	1349	16	661	-684	1345
14	608	-638	1246	14	610	-638	1248
12	589	-617	1206	12	586	-619	1205
10	552	-577	1129	10	547	-563	1110
8	466	-495	961	8	467	-496	963
6	461	-485	946	6	462	-488	950
4	477	-505	982	4	480	-508	988
2	522	-548	1070	2	520	-551	1071

INITIAL DIFF = N - S

SEINC.WK1
FEB. 23, 1994 W

SALINE COUNTY -- GALATIA SITE -- PANEL 2
INCLINOMETER @ SE CORNER OF GRID

DATA PERPENDICULAR TO THE MINING DIRECTION

9/21/90 07:35 AM

9/22/90a 11:28 AM

DEPTH (FT)	N	S	DIFF	DISPL (IN.)	DEPTH (FT)	N	S	DIFF	DISPL (IN.)
18	-135	159	-294	-0.0339	18	-115	148	-263	0.4137
16	-140	162	-302	-0.0309	16	-117	150	-267	0.4358
14	-130	154	-284	-0.0261	14	-103	141	-244	0.4611
12	-136	159	-295	-0.0216	12	-110	145	-255	0.4896
10	-69	86	-155	-0.0177	10	-42	74	-116	0.5175
8	12	14	2	-0.0129	8	38	4	29	0.5457
6	12	13	-1	-0.0096	6	40	-5	45	0.5676
4	38	-11	49	-0.0063	4	61	-28	89	0.5985
2	53	-30	83	-0.0012	2	74	-41	115	0.6276
0				0	0				0.6480

DATA PARALLEL TO THE MINING DIRECTION

9/21/90 07:35 AM

9/22/90a 11:28 AM

DEPTH (FT)	E	W	DIFF	DISPL (IN.)	DEPTH (FT)	E	W	DIFF	DISPL (IN.)
18	692	-707	1399	0.5721	18	697	-713	1410	0.2367
16	659	-692	1351	0.5733	16	667	-704	1371	0.2445
14	607	-639	1246	0.5757	14	615	-652	1267	0.2589
12	584	-619	1203	0.5751	12	593	-631	1224	0.2709
10	545	-575	1120	0.5736	10	552	-582	1134	0.2820
8	473	-494	967	0.5739	8	471	-507	978	0.2907
6	459	-493	952	0.5769	6	462	-497	959	0.3003
4	484	-508	992	0.5793	4	479	-514	993	0.3069
2	526	-552	1078	0.5835	2	518	-553	1071	0.3117
0				0.5880	0				0.3120

DISPL (@ DEPTH=A) = DISPL (@ DEPTH=0) - 0.0006*SUMCHNG (@ DEPTH=A) , A = 2, 4, 6,.....,18

SUMCHNG (@ DEPTH=A) = CHNG (@ DEPTH=2) + + CHNG (@ DEPTH=A)

CHNG = DIFF - INITIAL DIFF (AVERAGE)

DIFF = N - S

DISPL (@ DEPTH=0) FROM TOTAL STATION

SEINC.WK1
FEB. 23, 1994 W

SALINE COUNTY --- GALATIA SITE --- PANEL 2
INCLINOMETER @ SE CORNER OF GRID

DATA PERPENDICULAR TO THE MINING DIRECTION

9/22/90b 2:25 PM

DEPTH (FT)	N	S	DIFF	DISPL (IN.)
18	-117	145	-262	0.6459
16	-118	148	-266	0.6681
14	-104	135	-239	0.6945
12	-110	141	-251	0.7260
10	-47	71	-118	0.7563
8	32	-1	33	0.7833
6	41	-10	51	0.8076
4	65	-31	96	0.8421
2	76	-46	122	0.8754
0				0.9000

9/22/90c 4:20 PM

DEPTH (FT)	N	S	DIFF	DISPL (IN.)
18	-113	143	-256	0.5157
16	-118	143	-261	0.5415
14	-104	131	-235	0.5709
12	-111	139	-250	0.6048
10	-44	67	-111	0.6357
8	31	-6	37	0.6669
6	40	-14	54	0.6936
4	66	-35	101	0.7299
2	75	-49	124	0.7662
0				0.7920

DATA PARALLEL TO THE MINING DIRECTION

9/22/90b 2:25 PM

DEPTH (FT)	E	W	DIFF	DISPL (IN.)
18	690	-723	1413	0.1971
16	672	-702	1374	0.2067
14	621	-648	1269	0.2229
12	601	-629	1230	0.2361
10	560	-582	1142	0.2508
8	473	-508	981	0.2643
6	467	-496	963	0.2757
4	492	-508	1000	0.2847
2	528	-553	1081	0.2937
0				0.3000

9/22/90c 4:20 PM

DEPTH (FT)	E	W	DIFF	DISPL (IN.)
18	697	-729	1426	-0.5916
16	672	-701	1373	-0.5598
14	622	-649	1271	-0.4986
12	601	-627	1228	-0.4728
10	556	-572	1128	-0.4128
8	477	-502	979	-0.3234
6	467	-493	960	-0.3120
4	488	-510	998	-0.3348
2	540	-550	1090	-0.3900
0				0.0000

DISPL (@ DEPTH=A) = DISPL (@ DEPTH=0) - 0.0006*SUMCHNG (@ DEPTH=A), A = 2, 4, 6,.....,18

SUMCHNG (@ DEPTH=A) = CHNG (@ DEPTH=2) + + CHNG (@ DEPTH=A)

CHNG = DIFF - INITIAL DIFF (AVERAGE)

DIFF = N - S

DISPL (@ DEPTH=0) FROM TOTAL STATION

SEINC.WK1
FEB. 23, 1994 W

SALINE COUNTY --- GALATIA SITE --- PANEL 2
INCLINOMETER @ SE CORNER OF GRID

DATA PERPENDICULAR TO THE MINING DIRECTION

9/24/90 10:30 AM

9/26/90 09:52 AM

DEPTH (FT)	N	S	DIFF	DISPL (IN.)	DEPTH (FT)	N	S	DIFF	DISPL (IN.)
18	-81	119	-196	1.0028	18	74	102	-176	1.1031
16	-80	116	-196	1.0641	16	70	98	-168	1.1769
14	-67	98	-165	1.1361	14	59	88	-147	1.2621
12	-71	105	-176	1.2120	12	70	96	-166	1.3488
10	-9	39	-48	1.2879	10	10	31	-21	1.4301
8	60	-27	87	1.3563	8	60	-31	91	1.5033
6	81	-48	129	1.4130	6	84	-56	140	1.5624
4	117	-80	197	1.4943	4	120	-88	208	1.6503
2	123	-91	214	1.5882	2	125	-98	223	1.7508
0				1.6680	0				1.8360

DATA PARALLEL TO THE MINING DIRECTION

9/24/90 10:30 AM

9/26/90 09:52 AM

DEPTH (FT)	E	W	DIFF	DISPL (IN.)	DEPTH (FT)	E	W	DIFF	DISPL (IN.)
18	697	-709	1406	0.5661	18	699	-707	1406	-0.2595
16	669	-701	1370	0.5715	16	674	-695	1369	-0.2541
14	625	-652	1277	0.5853	14	628	-647	1275	-0.2409
12	606	-631	1237	0.6033	12	610	-626	1236	-0.2241
10	550	-580	1130	0.6222	10	560	-571	1131	-0.2058
8	480	-509	989	0.6285	8	489	-499	988	-0.1989
6	471	-501	972	0.6447	6	478	-490	968	-0.1833
4	485	-514	999	0.6591	4	492	-514	1006	-0.1713
2	522	-556	1078	0.6675	2	543	-552	1095	-0.1587
0				0.6720	0				-0.1440

DISPL (@ DEPTH=A) = DISPL (@ DEPTH=0) - 0.0006*SUMCHNG (@ DEPTH=A) , A = 2, 4, 6,.....,18

SUMCHNG (@ DEPTH=A) = CHNG (@ DEPTH=2) + + CHNG (@ DEPTH=A)

CHNG = DIFF - INITIAL DIFF (AVERAGE)

DIFF = N - S

DISPL (@ DEPTH=0) FROM TOTAL STATION

SEINC.WK1
FEB. 23, 1994 W

SALINE COUNTY -- GALATIA SITE -- PANEL 2
INCLINOMETER @ SE CORNER OF GRID

DATA PERPENDICULAR TO THE MINING DIRECTION

10/02/90 09:35 AM

11/29/90

DEPTH (FT)	N	S	DIFF	DISPL (IN.)	DEPTH (FT)	N	S	DIFF	DISPL (IN.)
18	-62	91	-153	1.5111	18	-55	82	-137	2.2803
16	-63	88	-151	1.5987	16	-56	79	-135	2.3775
14	-55	83	-138	1.6941	14	-45	74	-119	2.4825
12	-65	92	-157	1.7862	12	-57	83	-140	2.5860
10	-5	26	-31	1.8729	10	2	20	-18	2.6829
8	62	-35	97	1.9521	8	75	-48	123	2.7699
6	86	-59	145	2.0148	6	94	-68	162	2.8482
4	119	-91	210	2.1057	4	125	-96	221	2.9493
2	123	-99	222	2.2074	2	135	-110	245	3.0576
0				2.2920	0				3.1560

DATA PARALLEL TO THE MINING DIRECTION

10/02/90 09:35 AM

11/29/90

DEPTH (FT)	E	W	DIFF	DISPL (IN.)	DEPTH (FT)	E	W	DIFF	DISPL (IN.)
18	685	-712	1397	-0.1839	18	667	-700	1367	-0.6591
16	658	-699	1357	-0.1839	16	652	-692	1344	-0.6771
14	614	-653	1267	-0.1779	14	614	-650	1264	-0.6789
12	599	-641	1240	-0.1659	12	597	-638	1235	-0.6687
10	549	-581	1130	-0.1452	10	545	-578	1123	-0.6510
8	479	-515	994	-0.1389	8	478	-513	991	-0.6489
6	477	-506	983	-0.1197	6	466	-500	966	-0.6315
4	485	-521	1006	-0.0987	4	480	-517	997	-0.6207
2	529	-565	1094	-0.0861	2	518	-555	1073	-0.6135
0				-0.0720	0				-0.6120

DISPL (@ DEPTH=A) = DISPL (@ DEPTH=0) - 0.0006*SUMCHNG (@ DEPTH=A) , A = 2, 4, 6,.....,18

SUMCHNG (@ DEPTH=A) = CHNG (@ DEPTH=2) + + CHNG (@ DEPTH=A)

CHNG = DIFF - INITIAL DIFF (AVERAGE)

DIFF = N - S

DISPL (@ DEPTH=0) FROM TOTAL STATION

SEINC.WK1
FEB. 23, 1994 W

SALINE COUNTY -- GALATIA SITE -- PANEL 2
INCLINOMETER @ SW CORNER OF GRID

DATA PERPENDICULAR TO THE MINING DIRECTION

9/19/90a 5:27 PM

9/20/90 12:40 PM

DEPTH (FT)	N	S	INITIAL DIFF	DEPTH (FT)	N	S	INITIAL DIFF
18	-314	337	-651	18	-310	338	-648
16	-320	344	-664	16	-316	345	-661
14	-325	350	-675	14	-323	351	-674
12	-322	351	-673	12	-320	352	-672
10	-367	392	-759	10	-365	393	-758
8	-417	441	-858	8	-414	442	-856
6	-418	446	-864	6	-417	448	-865
4	-443	469	-912	4	-441	470	-911
2	-468	496	-964	2	-466	497	-963

DATA PARALLEL TO THE MINING DIRECTION

9/19/90a 5:27 PM

9/20/90 12:40 PM

DEPTH (FT)	E	W	INITIAL DIFF	DEPTH (FT)	E	W	INITIAL DIFF
18	-397	387	-784	18	-399	387	-786
16	-414	387	-801	16	-413	388	-801
14	-440	408	-848	14	-441	408	-849
12	-488	469	-957	12	-488	459	-947
10	-504	472	-976	10	-504	472	-976
8	-515	490	-1005	8	-515	485	-1000
6	-532	503	-1035	6	-532	505	-1037
4	-545	519	-1064	4	-548	515	-1063
2	-562	534	-1096	2	-562	535	-1097

INITIAL DIFF = N - S

SWINC.WK1
FEB. 23, 1994 W

SALINE COUNTY --- GALATIA SITE --- PANEL 2
INCLINOMETER @ SW CORNER OF GRID

DATA PERPENDICULAR TO THE MINING DIRECTION

9/21/90 07:35 AM

9/22/90a 11:28 AM

DEPTH (FT)	N	S	DIFF	DISPL (IN.)	DEPTH (FT)	N	S	DIFF	DISPL (IN.)
18	-312	336	-648	-0.1404000	18	-303	337	-640	-0.0684
16	-317	341	-658	-0.1395000	16	-308	342	-650	-0.0627
14	-324	348	-672	-0.1368000	14	-316	351	-667	-0.0552
12	-321	348	-669	-0.1353000	12	-312	350	-662	-0.0507
10	-366	390	-756	-0.1332000	10	-360	395	-755	-0.0444
8	-413	437	-850	-0.1317000	8	-403	438	-841	-0.0423
6	-416	444	-860	-0.1275000	6	-406	444	-850	-0.0327
4	-441	466	-907	-0.1248000	4	-431	467	-898	-0.0240
2	-465	495	-960	-0.1221000	2	-462	495	-957	-0.0159
0				-0.1200000	0				-0.0120

DATA PARALLEL TO THE MINING DIRECTION

9/21/90 07:35 AM

9/22/90a 11:28 AM

DEPTH (FT)	E	W	DIFF	DISPL (IN.)	DEPTH (FT)	E	W	DIFF	DISPL (IN.)
18	-396	383	-779	0.5328	18	-394	380	-774	0.2334
16	-408	383	-791	0.5364	16	-411	379	-790	0.2400
14	-441	401	-842	0.5424	14	-439	398	-837	0.2466
12	-488	448	-936	0.5463	12	-486	447	-933	0.2535
10	-501	470	-971	0.5559	10	-503	468	-971	0.2649
8	-515	479	-994	0.5589	8	-513	479	-992	0.2679
6	-532	502	-1034	0.5640	6	-529	498	-1027	0.2742
4	-543	513	-1056	0.5652	4	-543	505	-1048	0.2796
2	-558	528	-1086	0.5697	2	-553	525	-1078	0.2889
0				0.5760	0				0.3000

DISPL (@ DEPTH=A) = DISPL (@ DEPTH=0) - 0.0006*SUMCHNG (@ DEPTH=A) , A = 2, 4, 6, ..., 18

SUMCHNG (@ DEPTH=A) = CHNG (@ DEPTH=2) + ... + CHNG (@ DEPTH=A)

CHNG = DIFF - INITIAL DIFF (AVERAGE)

DIFF = N - S

DISPL (@ DEPTH=0) FROM TOTAL STATION

SWINC.WK1
FEB. 23, 1994 W

SALINE COUNTY --- GALATIA SITE --- PANEL 2
INCLINOMETER @ SW CORNER OF GRID

DATA PERPENDICULAR TO THE MINING DIRECTION

9/22/90b 2:25 PM

9/22/90c 4:20 PM

DEPTH (FT)	N	S	DIFF	DISPL (IN.)
18	-303	335	-638	0.2142
16	-304	340	-644	0.2211
14	-316	350	-666	0.2322
12	-314	349	-663	0.2373
10	-361	392	-753	0.2430
8	-404	436	-840	0.2463
6	-408	441	-849	0.2565
4	-432	465	-897	0.2658
2	-453	488	-941	0.2745
0				0.2880

DEPTH (FT)	N	S	DIFF	DISPL (IN.)
18	-304	328	-632	0.0156
16	-308	337	-645	0.0261
14	-319	345	-664	0.0366
12	-313	345	-658	0.0429
10	-362	389	-751	0.0516
8	-403	431	-834	0.0561
6	-407	438	-845	0.0699
4	-431	460	-891	0.0816
2	-454	486	-940	0.0939
0				0.1080

DATA PARALLEL TO THE MINING DIRECTION

9/22/90b 2:25 PM

9/22/90c 4:20 PM

DEPTH (FT)	E	W	DIFF	DISPL (IN.)
18	-396	367	-763	0.3072
16	-412	383	-795	0.3204
14	-437	404	-841	0.3240
12	-486	450	-936	0.3285
10	-501	472	-973	0.3381
8	-511	484	-995	0.3399
6	-526	495	-1021	0.3444
4	-540	508	-1048	0.3534
2	-555	526	-1081	0.3627
0				0.3720

DEPTH (FT)	E	W	DIFF	DISPL (IN.)
18	-393	368	-761	0.1992
16	-407	391	-798	0.2136
14	-435	400	-835	0.2154
12	-483	456	-939	0.2235
10	-498	472	-970	0.2313
8	-510	481	-991	0.2349
6	-525	500	-1025	0.2418
4	-539	516	-1055	0.2484
2	-552	527	-1079	0.2535
0				0.2640

DISPL (@ DEPTH=A) = DISPL (@ DEPTH=0) - 0.0006*SUMCHNG (@ DEPTH=A) , A = 2, 4, 6,.....,18
SUMCHNG (@ DEPTH=A) = CHNG (@ DEPTH=2) + + CHNG (@ DEPTH=A)
CHNG = DIFF - INITIAL DIFF (AVERAGE)
DIFF = N - S
DISPL (@ DEPTH=0) FROM TOTAL STATION

SWINC.WK1
FEB. 23, 1994 W

SALINE COUNTY --- GALATIA SITE --- PANEL 2
INCLINOMETER @ SW CORNER OF GRID

DATA PERPENDICULAR TO THE MINING DIRECTION

9/24/90 10:30 AM

9/26/90 09:52 AM

DEPTH (FT)	N	S	DIFF	DISPL (IN.)	DEPTH (FT)	N	S	DIFF	DISPL (IN.)
18	-287	316	-603	0.5544	18	-281	301	-582	0.8376
16	-287	320	-607	0.5823	16	-285	308	-593	0.8781
14	-306	338	-644	0.6156	14	-308	330	-638	0.9198
12	-300	334	-634	0.6339	12	-294	319	-613	0.9417
10	-351	384	-735	0.6570	10	-346	368	-714	0.9774
8	-383	412	-795	0.6711	8	-372	395	-767	1.0041
6	-380	415	-795	0.7083	6	-359	385	-744	1.0581
4	-409	440	-849	0.7500	4	-392	416	-808	1.1304
2	-430	466	-896	0.7875	2	-420	451	-871	1.1925
0				0.8280	0				1.2480

DATA PARALLEL TO THE MINING DIRECTION

9/24/90 10:30 AM

9/26/90 09:52 AM

DEPTH (FT)	E	W	DIFF	DISPL (IN.)	DEPTH (FT)	E	W	DIFF	DISPL (IN.)
18	-389	374	-763	0.7368	18	-390	369	-759	-0.0996
16	-403	375	-778	0.7500	16	-404	369	-773	-0.0840
14	-431	394	-825	0.7638	14	-432	398	-830	-0.0672
12	-483	442	-925	0.7779	12	-482	443	-925	-0.0561
10	-494	462	-956	0.7941	10	-488	452	-940	-0.0399
8	-507	475	-982	0.8061	8	-514	479	-993	-0.0183
6	-521	488	-1009	0.8184	6	-527	491	-1018	-0.0126
4	-535	499	-1034	0.8346	4	-532	502	-1034	-0.0018
2	-554	523	-1077	0.8523	2	-548	525	-1073	0.0159
0				0.8640	0				0.0300

DISPL (@ DEPTH=A) = DISPL (@ DEPTH=0) - 0.0006*SUMCHNG (@ DEPTH=A) , A = 2, 4, 6,.....,18
 SUMCHNG (@ DEPTH=A) = CHNG (@ DEPTH=2) + + CHNG (@ DEPTH=A)
 CHNG = DIFF - INITIAL DIFF (AVERAGE)
 DIFF = N - S
 DISPL (@ DEPTH=0) FROM TOTAL STATION

SWINC.WK1
FEB. 23, 1994 W

SALINE COUNTY -- GALATIA SITE -- PANEL 2
INCLINOMETER @ SW CORNER OF GRID

DATA PERPENDICULAR TO THE MINING DIRECTION

10/02/90 0935

11/29/90

DEPTH (FT)	N	S	DIFF	DISPL (IN.)	DEPTH (FT)	N	S	DIFF	DISPL (IN.)
18	-262	287	-549	1.2396	18	-228	253	-481	2.1456
16	-252	278	-530	1.2999	16	-211	237	-448	2.2467
14	-280	304	-584	1.3794	14	-229	256	-485	2.3754
12	-260	287	-547	1.4337	12	-216	244	-460	2.4891
10	-313	338	-651	1.5090	10	-272	298	-570	2.6166
8	-351	376	-727	1.5735	8	-302	328	-630	2.7297
6	-328	359	-687	1.6515	6	-334	363	-697	2.8659
4	-352	380	-732	1.7580	4	-331	358	-689	2.9664
2	-381	412	-793	1.8657	2	-280	310	-590	3.0999
0				1.9680	0				3.3240

DATA PARALLEL TO THE MINING DIRECTION

10/02/90 0935

11/29/90

DEPTH (FT)	E	W	DIFF	DISPL (IN.)	DEPTH (FT)	E	W	DIFF	DISPL (IN.)
18	-396	351	-747	-0.1914	18	-405	384	-789	-1.0836
16	-408	375	-783	-0.1686	16	-412	381	-793	-1.0860
14	-436	388	-824	-0.1578	14	-442	404	-846	-1.0812
12	-484	442	-926	-0.1431	12	-484	447	-931	-1.0797
10	-484	447	-931	-0.1275	10	-490	453	-943	-1.0671
8	-518	478	-996	-0.1005	8	-570	514	-1084	-1.0473
6	-528	495	-1023	-0.0966	6	-748	689	-1437	-1.0962
4	-552	524	-1076	-0.0888	4	-748	703	-1451	-1.3368
2	-574	542	-1116	-0.0963	2	-764	737	-1501	-1.5693
0				-0.1080	0				-1.8120

DISPL (@ DEPTH=A) = DISPL (@ DEPTH=0) - 0.0006*SUMCHNG (@ DEPTH=A) , A = 2, 4, 6,.....,18

SUMCHNG (@ DEPTH=A) = CHNG (@ DEPTH=2) + + CHNG (@ DEPTH=A)

CHNG = DIFF - INITIAL DIFF (AVERAGE)

DIFF = N - S

DISPL (@ DEPTH=0) FROM TOTAL STATION

SWINC.WK1
FEB. 23, 1994 W

APPENDIX F Pre- and Postsubsidence Geotechnical Core Logs

GEOLOGICAL BORING LOG: TDR Core ; Panel 1, Pre-subsidence (GT1)		Page 1 of 11
PROJECT: IMSRP Longwall Site in Saline County, Illinois		SURF ELEV: 429.85 FT
LOCATION: NW1/4, NE1/4, SW1/4, Sec 17, RGE T8S, Saline County		TOTAL DEPTH: 423.8 FT
LOGGED BY: D. Brutcher, B. Mehnert , P. DeMaris	METHOD: NX-wireline core, 10" from vert.	DATE DRILLED: 8/16/89 to 8/17/89

Depth (Feet)	Description	Lithology	Drilling Data	Core Recov (%)			RGD			Fractures per foot				RM Tests	Log	Joints	
				25	50	75	25	50	75	1	2	3	4			Description	
0	SOIL AND GLACIAL TILL		Hollow-stem auger														
5																	
10																	
15																	
20																	
25																	
30																	
35																	
40																	
Illinois State Geological Survey Illinois Mine Subsidence Research Program 615 East Peabody Drive, Champaign, IL 61820 (217) 333-4747																	

GEOLOGICAL BORING LOG: TDR Core; Panel I, Pre-subsidence (GT1)			Page 2 of 11		
PROJECT: IMSRP Longwall Site in Saline County, Illinois			SURF ELEV: 429.85 FT		
LOCATION: NW1/4, NE1/4, SW1/4, Sec17, R6E T8S, Saline County			TOTAL DEPTH: 423.8 FT		
LOGGED BY: D. Brutcher, B. Mehnert, P. DeMaris		METHOD: NX-wireline core, 10" from vert.		DATE DRILLED: 8/16/89 to 8/17/89	

Depth (Feet)	Description	Lithology	Drilling Data	Core Recov (%)			RQD			Fractures per foot				RM Tests	Log	Joints	
				25	50	75	25	50	75	1	2	3	4			Description	
40	GLACIAL TILL		Hollow- stem auger														
45																	
50																	
55																	
60																	
65																	
70																	
75																	
80																	

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GEOLOGICAL BORING LOG: TDR Core; Panel I, Pre-subsidence (GT1)			Page 3 of 11		
PROJECT: MSRP Longwall Site in Saline County, Illinois			SURF ELEV: 429.85 FT		
LOCATION: NW1/4, NE1/4, SW1/4, Sec17, R6E T8S, Saline County			TOTAL DEPTH: 423.8 FT		
LOGGED BY: D. Butcher , B. Mehnert, P. DeMaris		METHOD: NX-wireline core, 10" from vert.	DATE DRILLED: 8/16/89 to 8/17/89		

Depth (Feet)	Description	Lithology	Drilling Data	Core Recov (%)			RQD			Fractures per foot				RM Tests	Log	Joins
				25	50	75	25	50	75	1	2	3	4			Description
80																
85																
90	SHALE: it is med gray, sl silty, plant fossils and plant debris, has fine siltst lenses below 90'		Run 1 7.5 ft.													
95	SHALE: med gray, silty lenses rare, weak		Run 2 10 ft.													
100	SHALE: med gray, sl silty, weak, plant debris around 100'															98.5: 30' dip, partly mineralized with pyrite, planar, smooth
105	SHALE: med gray, sl silty; some thin siltst lenses below 108'		Run 3 10 ft.													
110																
115	(core loss due to drilling problem)		Run 4 10 ft.													
120	SHALE: gray, sl fissile, sl silty, several siderite lens/bands between 117' and 122'															
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GEOLOGICAL BORING LOG: TDR Core; Panel I, Pre-subsidence (GT1)			Page 4 of 11	
PROJECT: IMSRP Longwall Site in Saline County, Illinois			SURF ELEV: 429.85 FT	
LOCATION: NW1/4, NE1/4, SW1/4, Sec17, R6E, T8S, Saline County			TOTAL DEPTH: 423.8 FT	
LOGGED BY: D. Brutcher, B. Mehnert, P. DeMaris		METHOD: NX-wireline core, 10' from vert.	DATE DRILLED: 8/16/89 to 8/17/89	

Depth (Feet)	Description	Lithology	Drilling Data	Core Recov (%)			RGD			Fractures per foot				RM Tests	Log	Joints	
				25	50	75	25	50	75	1	2	3	4			Description	
120																	
125	SHALE: dk gray, with two thin fossiliferous zones, scattered marine fossils		Run 5 10 ft.														
	SHALE: dk gray, sl silty, weak, sl calcareous																
130																	
135	SHALE: dk gray, sl silty, with plant debris and small nodules on bedding; grades downward to med gray shale, sl silty, plant-rich		Run 6 10 ft.														
140	SHALE: med gray, plant debris scarce, some thin siderite bands from 141' to 144', non-fissile; immediate roof to coal is similar and without plant compressions		Run 7 11 ft.														
145																	141.3: 20° dip, planar, smooth, unfilled
150																	
155	COAL: nbb, pyritic, well-cleated, fusain-rich, no partings, grades to:		Run 8 10 ft.														152.0: lithologic separation, unfilled
	SHALE: lt gray, siltstone laminations common, plant fossils and comminuted plant debris on some bedding planes																
160	SILTSTONE AND SHALE interlaminated: med gray, some plant fossils and mica on shale laminations, fewer plants downward																

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GEOLOGICAL BORING LOG: TDR Core; Panel I, Pre-subsidence (GT1)			Page 5 of 11		
PROJECT: IMSRP Longwall Site in Saline County, Illinois			SURF ELEV: 429.85 FT		
LOCATION: NW1/4, NE1/4, SW1/4, Sec17, R6E T8S, Saline County			TOTAL DEPTH: 423.8 FT		
LOGGED BY: D. Brutcher, B. Mehnert, P. DeMaris		METHOD: NX-wireline core, 10' from vert.	DATE DRILLED: 8/16/89 to 8/17/89		

Depth (Feet)	Description	Lithology	Drilling Data	Core Recov (%)			RGD			Fractures per foot				RM Tests	Log	Joints	
				25	50	75	25	50	75	1	2	3	4			Description	
160																	
165			Run 9 9.2 ft.														
170	SHALE: med gray, weak, poorly bedded, coarsens slightly downward, fairly abrupt change to:																
175			Run 10 10.7 ft.														
180	SILTSTONE AND SHALE interbedded SANDSTONE: gray, fine grained, massive in top 3', non-calcareous, sl cleaner below 180', organic debris scattered throughout, some clay lamin, no clay bands																
185			Run 11 10 ft.														
190	SANDSTONE: gray, med grained, cleaner than above, carbonaceous partings become more common downward, some angular bedding, plant debris at 198'; sharp contact to:																
195			Run 12 9.8 ft.														
200	SHALE: silty, irregular bedding, large siderite nodules SILTSTONE: argil, carb lamin at top, small load structures, some clay-draped ripples,																

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 Illinois Mine Subsidence Research Program
 615 East Peabody Drive, Champaign, IL 61820
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GEOLOGICAL BORING LOG: TDR Core; Panel 1, Pre-subsidence (GT1)			Page 6 of 11	
PROJECT: IMSRP Longwall Site in Saline County, Illinois			SURF ELEV: 429.85 FT	
LOCATION: NW1/4, NE1/4, SW1/4, Sec17, R6E T8S, Saline County			TOTAL DEPTH: 423.8 FT	
LOGGED BY: D. Brutchter, B. Mehnert, P. DeMaris		METHOD: NX-wireline core, 10' from vert.		DATE DRILLED: 8/16/89 to 8/17/89

Depth (Feet)	Description	Lithology	Drilling Data	Core Recov (%)			RQD			Fractures per foot				RM Tests	Log	Joints	
				25	50	75	25	50	75	1	2	3	4			Description	
200	sharp angular contact to:																
	SHALE: silty, med gray, sm siderite nodules near top, some coalified plant material, scattered fine siltst laminae		Run 13 9.6 ft.											☒			
205	SHALE: med gray, poorly bedded, fewer siltst laminae than above																
210	SHALE: med gray, calcareous, fossiliferous, incl crinoids		Run 14 10 ft.											☒			
215	SHALE: med gray, sl silty, non-calcareous, weak, a few scattered siltstone lenses													☒			
220	SHALE: med greenish gray, sl silty, carb debris rare down to 229'; 0.2' finely carb shale with plant debris immediately over coal		Run 15 7.2 ft.														
225														☒			
230	COAL: nbb, cleated																229.8: sks, clay-filled
	CLAYSTONE: gray; slickensided to 231.2', sl calc below 231.2'; silty at base		Run 16 8 ft.														230.5-231.2: 3, sks, unfilled
235	SHALE AND SILTSTONE interlaminated; siltstone in thin white bands													☒			
240	SHALE: med-to-dk gray, sl silty, more siltst in top 2' than below, grades to:		Run 17, 9.8 ft.														

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GEOLOGICAL BORING LOG: TDR Core; Panel I, Pre-subsidence (GT1)				Page 7 of 11	
PROJECT: IMSRP Longwall Site in Saline County, Illinois				SURF ELEV: 429.85 FT	
LOCATION: NW1/4, NE1/4, SW1/4, Sec17, R6E T8S, Saline County				TOTAL DEPTH: 423.8 FT	
LOGGED BY: D. Brutcher, B. Mehnert, P. DeMaris		METHOD: NX-wireline core, 10' from vert.		DATE DRILLED: 8/16/89 to 8/17/89	

Depth (Feet)	Description	Lithology	Drilling Data	Core Recov (%)			RQD			Fractures per foot				RM Tests	Log	Joints	
				25	50	75	25	50	75	1	2	3	4			Description	
240																	
245																	
250	SHALE: black, more carb and fissile toward base; highly carb by 252', abrupt change to:		Run 18 10 ft.														
255	SHALE: dark gray at top, grading to black shale with prob calcite/ apatite bands, fissile, pyritic; calcified thin-shelled valves at 257.2'																252.0: sks, unfilled
260	COAL: nbb, cleated CLAYSTONE: lt gray, slickensided and non-calc to 262.5', brown calc nodules at 263'		Run 19 10.2 ft.														255.5: 85° dip, planar, smooth, partly filled with calcite 258.0: 85° dip, planar, smooth, calcite-filled
265	SHALE, calcareous, or impure limestone; algal structures throughout, only a few weak clay-rich zones, grades to:																258.6-263.6: 12, low-angled, sks, wavy, unfilled
270	CLAYSTONE: greenish-gray, slickensided, angular alteration contact to:		Run 20 10 ft.														
275	SILTSTONE: argil at top, coarsens downward, some clay laminations																
280	SANDSTONE: gray, fine grained and argil down to 280', faintly laminated;		Run 21, 9.2 ft.														
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GEOLOGICAL BORING LOG: TDR Core; Panel I, Pre-subsidence (GT1)

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PROJECT: IMSRP Longwall Site in Saline County, Illinois

SURF ELEV: 429.85 FT

LOCATION: NW1/4, NE1/4, SW1/4, Sec17, R6E T8S, Saline County

TOTAL DEPTH: 423.8 FT

LOGGED BY: D. Bratcher, B. Mehnert, P. DeMaris

METHOD: NX-wireline core, 10' from vert.

DATE DRILLED: 8/16/89 to 8/17/89

Depth (Feet)	Description	Lithology	Drilling Data	Core Recov (%)			RQD			Fractures per foot				RM Tests	Log	Joints	
				25	50	75	25	50	75	1	2	3	4			Description	
280	(continued) Below 280' is more massive with fewer clay laminae; some dipping beds at 282'-285'; med grained below 282'; sharp angular contact to:																
285	SHALE: med-to-dk gray, sl silty; thin sideritic zone at top													⊗		282.3: low-angled, on clay laminae, wavy, smooth	
290			Run 22 10.7 ft.											⊗		283.0: low-angled, on clay laminae, wavy, smooth	
295																	
300	SHALE: dk gray, silt-poor, multiple siderite lenses, grades to:		Run 23 10 ft.														
305	SHALE: dk gray, with plant macro-debris																
	COAL: dull-banded, weakly cleated																
310	CLAYSTONE: carbonaceous, pyritic, weak, med greenish gray		Run 24 7.5 ft.											⊗			
	LIMESTONE: lt tan, hard, many marine fossils																
	CLAYSTONE: lt gray, fossiliferous																
	SHALE: med dk gray, mottled at top by marine bioturbation													⊗			
315	SHALE: med gray, some carb debris on bedding, weakly bedded, pyritized pectins		Run 25 12.4 ft.														
320																	
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GEOLOGICAL BORING LOG: TDR Core; Panel I, Pre-subsidence (GTI)			Page 9 of 11	
PROJECT: IMSRP Longwall Site in Saline County, Illinois			SURF ELEV: 429.85 FT	
LOCATION: NW1/4, NE1/4, SW1/4, Sec17, R6E T8S, Saline County			TOTAL DEPTH: 423.8 FT	
LOGGED BY: D. Brutcher, B. Mehnert, P. DeMaris		METHOD: NX-wireline core, 10" from vert.	DATE DRILLED: 8/16/89 to 8/17/89	

Depth (Feet)	Description	Lithology	Drilling Data	Core Recov (%)			RGD			Fractures per foot				RM Tests	Joints	
				25	50	75	25	50	75	1	2	3	4		Log	Description
320	COAL: nbb, pyritic															320.5-321.6: 90° dip, calcite-filled, wavy, smooth
	SILTSTONE: poorly bedded and carb in top 0.15', grades quickly to argil siltst; very micaceous on some planes															323.4, 1: 45° dip, planar, rough
325	SILTSTONE AND SHALE interlaminated; calc where sampled; dirty siltst at 329', then fines downward to:															
330	SHALE: med gray, scattered plant debris, one lg siderite nodule		Run 26 10.1 ft.													
335	SANDSTONE: lt gray, med grained, argil, rare silty shale interbeds, good porosity, some angular bedding															333.1-335: 11, low-angled, sks
340	SILTSTONE AND SHALE interbedded		Run 27 5.5 ft.													341.3-341.6: 3, low-angled, sks
	SHALE: dark gray															341.8-344.8: 10, low-angled, sks
345	COAL: dull-banded															
	CLAYSTONE: dk gray in top foot, slickensided throughout, med greenish gray, calc below 343'		Run 28 13.8 ft.													
350	LIMESTONE: creamy white, some greenish gray clay in vugs and stylolites, nodular-bedded															350.3: lithologic separation
355	SILTSTONE: with shale interlaminations, white silt laminae present, non-calc, traces of dk brown mineral at 354', grades to:															
360	SILTSTONE AND SHALE interbedded; well-bedded, grades to:		Run 29 10.2 ft.													

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GEOLOGICAL BORING LOG: TDR Core; Panel 1, Pre-subsidence (GT1)

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PROJECT: IMSRP Longwall Site in Saline County, Illinois

SURF ELEV: 429.85 FT

LOCATION: NW1/4, NE1/4, SW1/4, Sec17, R6E T8S, Saline County

TOTAL DEPTH: 423.8 FT

LOGGED BY: D. Brutcher, B. Mehnert, P. DeMaris

METHOD: NX-wireline core, 10' from vert.

DATE DRILLED: 8/16/89 to 8/17/89

Depth (Feet)	Description	Lithology	Drilling Data	Core Recov (%)			RGD			Fractures per foot				RM Tests	Log	Joints	
				25	50	75	25	50	75	1	2	3	4			Description	
360	SILTSTONE: argil, coarsening downward to thin ss at base, load structure at base onto:																
365																	
370	SILTSTONE: grades from silty shale at top to micaceous siltstone, well laminated		Run 30 9.8 ft.														
375	SHALE: silty, with 10-20% fine siltstone laminae																
380	SILTSTONE: with clay and micaceous partings, abrupt change to: SHALE: dk gray, grades to thin siltst bed at 381', then back to dk gray shale with siltst lamin		Run 31 10.3 ft.														
385	SANDSTONE: fairly argil, micaceous on bedding, lt-to-med gray, med grained, lots of fine plant debris, some plant chunks																
390	SANDSTONE: lt gray, med grained, micaceous, sl argil, no lag, sharp contact to: SHALE: sl fissile, sl silty, faintly bedded, grades to:		Run 32 9.9 ft.														
395	LIMESTONE: impure, black, very fossilif, grades to: COAL: thin, grading to carb shale; bioturbated at top SHALE: very dk gray, calc, much plant debris, more marine fossils downward																
400	LIMESTONE: lt gray, massive, fossiliferous SHALE: black, (over)		Run 33 9.6 ft.														

393.3: 45' dip, sks

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GEOLOGICAL BORING LOG: TDR Core; Panel I, Pre-subsidence (GT1)			Page 11 of 11
PROJECT: IMSRP Longwall Site in Saline County, Illinois			SURF ELEV: 429.85 FT
LOCATION: NW1/4, NE1/4, SW1/4, Sec17, R6E T8S, Saline County			TOTAL DEPTH: 423.8 FT
LOGGED BY: D. Bratcher, B. Mehnert, P. DeMaris	METHOD: NX-wireline core, 10" from vert.		DATE DRILLED: 8/16/89 to 8/17/89

Depth (Feet)	Description	Lithology	Drilling Data	Core Recov (%)			RQD			Fractures per foot				RM Tests	Log	Joins
				25	50	75	25	50	75	1	2	3	4			Description
400	fissile, marine bioturbation at top, very carb, calc/apatite band at bottom contact													☒		
405	COAL: normally bright-banded, pyritic (HERRIN COAL)															402.3-407.5: 4, high-angled, planar, calcite-filled
410	CLAYSTONE: lt gray, poorly bedded, weak, some sm brown concretions		Run 34 10.4 ft.													409.1-412.5: 20, low-angled, sks
415	SHALE: lt gray, silty, calcareous throughout, some calcite veins, nodular structure, slickensided around 414.7' and 419.1'													☒		
420	LIMESTONE: very argillaceous, well indurated		Run 35 5.4 ft.											☒		420.0: 45° dip, rough
	SHALE: med greenish gray, silty, faintly bedded, non-fissile															420.8: 45°, uneven, rough
425	TD is 423.8' as drilled, and 417.4' as adjusted for tilt															
430																
435																
440																
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GEOLOGICAL BORING LOG: Post-sub Core; 10' from vert, (GT2)		Page 1 of 7
PROJECT: IMSRP Saline County Longwall Site (panel I)		SURF ELEV: 425. FT
LOCATION: NW1/4, NE1/4, SW1/4, Sec17, R6E, T8S, Saline Cnty		TOTAL DEPTH: 265.6 FT
LOGGED BY: B. Mehnert, D. VanRoosendaal	METHOD: NX-wireline core	DATE DRILLED: 9/18/90 to 9/21/90

Depth (Feet)	Description	Lithology	Drilling Data	Core Recov (%)			RQD			Fractures per foot				RM Tests	Log	Joints		
				25	50	75	25	50	75	1	2	3	4			Description		
0	GLACIAL TILL and soil		Hollow- stem auger															
5																		
10																		
15																		
20																		
25																		
30																		
35																		
40																		

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GEOLOGICAL BORING LOG: Post-sub Core; 10' from vert, (GT2)		Page 2 of 7
PROJECT: IMSRP Saline County Longwall Site (panel 1)		SURF ELEV: 425. FT
LOCATION: NW1/4, NE1/4, SW1/4, Sec17, R6E, T8S, Saline Cnty		TOTAL DEPTH: 265.6 FT
LOGGED BY: B. Mehnert, D. VanRoosendaal	METHOD: NX-wireline core	DATE DRILLED: 9/18/90 to 9/21/90

Depth (Feet)	Description	Lithology	Drilling Data	Core Recov (%)			RGD			Fractures per foot				RM Tests	Log	Joints	
				25	50	75	25	50	75	1	2	3	4			Description	
40	GLACIAL TILL																
45																	
50																	
55																	
60																	
65																	
70																	
75																	
80																	

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GEOLOGICAL BORING LOG: Post-sub Core; 10' from vert, (GT2)			Page 3 of 7		
PROJECT: IMSRP Saline County Longwall Site (panel I)			SURF ELEV: 425. FT		
LOCATION: NW1/4, NE1/4, SW1/4, Sec17, R6E, T8S, Saline Cnty			TOTAL DEPTH: 265.6 FT		
LOGGED BY: B. Mehnert, D. VanRoosendaal		METHOD: NX-wireline core		DATE DRILLED: 9/18/90 to 9/21/90	

Depth (Feet)	Description	Lithology	Drilling Data	Core Recov (%)			RQD			Fractures per foot				RM Tests	Joints	
				25	50	75	25	50	75	1	2	3	4		Log	Description
80																
85																
90	SHALE: gray, fissile, silty		Run 1 10 ft.													91.9 45° dip, planar, smooth
95																92. 45° dip, planar, smooth
100	SHALE: gray, fissile, silty to very silty		Run 2 10 ft.													96.2 60° dip, planar, smooth
105																98.9 20° dip, planar, smooth
110	SHALE: gray, fissile		Run 3 10 ft.													100.5 25° dip, planar, smooth
115																110.5 25° dip, planar, smooth
120	SHALE: gray, fissile, sl silty, more carbonaceous near bottom		Run 4 10 ft.													112.5 45° dip, uneven, rough
																112.9 70° dip, uneven, rough
																113.5 40° dip, planar, sm
																115.9 45° dip, uneven, rough
																116.2 30° dip, planar, sm
																116.5 and 117.1 60° dip, 2, uneven, rough
																117.5 70° dip, uneven, rough

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GEOLOGICAL BORING LOG: Post-sub Core; 10' from vert, (GT2)			Page 4 of 7		
PROJECT: IMSRP Saline County Longwall Site (panel 1)			SURF ELEV: 425. FT		
LOCATION: NW1/4, NE1/4, SW1/4, Sec17, R6E, T8S, Saline Cnty			TOTAL DEPTH: 265.6 FT		
LOGGED BY: B. Mehnert, D. VanRoosendaal		METHOD: NX-wireline core		DATE DRILLED: 9/18/90 to 9/21/90	

Depth (Feet)	Description	Lithology	Drilling Data	Core Recov (%)			RQD			Fractures per foot				RM Tests	Joints	
				25	50	75	25	50	75	1	2	3	4		Log	Description
120																
125	LIMESTONE: dk gray, fossiliferous, hard													☒		124.9 40° dip, wavy, smooth
	SHALE: gray, fissile, silty, nodules (hard)															125.1 40° dip, uneven, rough
130	SHALE: dk gray, fissile, sl silty		Run 5 7.8 ft.											☒		125.2 45° dip, uneven, rough
																127.6 65° dip, uneven, rough
135																129.0 10° dip, wavy, sm
																129.8 10° dip, wavy, sm
																130.3 90° dip, uneven, rough
140			Run 6 12.1 ft.													130.4 70° dip, planar, sm
																131.0 45° dip, planar, sm
																137.2 90° dip, planar, sm
145																138.4 70° dip, uneven, rough
																138.5 70° dip, planar, sm
																138.6 90° dip, planar, sm
																138.7 70° dip, uneven, rough
																139.1 45° dip, uneven, rough
																141.6 and 141.9 45° dip, 2, uneven, rough, altered
150	SHALE: dk gray, sl fissile, lt tan banding		Run 7 10 ft.											☒		143.7 70° dip, planar, rough, altered
	SHALE: black, fissile															144.3 20° dip, uneven, rough, altered
	COAL: black, pyrite															144.5 30° dip, planar, rough, altered
	SHALE: black, grades to:															144.6 10° dip, planar, rough, altered
155	COAL: black															144.8 90° dip, planar, rough, altered
	SHALE: gray, sl fissile, dk gray laminae															152.2 90° dip, uneven, rough, altered
	SHALE: gray, sl fissile, very silty, dk gray laminae		Run 8 10.1 ft.													157.7 and 158.1 70° dip, 2, uneven, rough, altered
160																158.1 70° dip, uneven, rough, altered
																158.5 70° dip, uneven, rough

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GEOLOGICAL BORING LOG: Post-sub Core; 10' from vert, (GT2)			Page 5 of 7	
PROJECT: IMSRP Saline County Longwall Site (panel 1)			SURF ELEV: 425. FT	
LOCATION: NW1/4, NE1/4, SW1/4, Sec17, R6E, T8S, Saline Cnty			TOTAL DEPTH: 265.6 FT	
LOGGED BY: B. Mehnert, D. VanRoosendaal		METHOD: NX-wireline core	DATE DRILLED: 9/18/90 to 9/21/90	

Depth (Feet)	Description	Lithology	Drilling Data	Core Recov (%)			RQD			Fractures per foot				RM Tests	Log	Joints	
				25	50	75	25	50	75	1	2	3	4			Description	
160	SHALE: gray, less silty than above, nodular															162.3 70° dip, uneven, rough	
165																163.5 70° dip, uneven, rough	
																165.1 70° dip, planar, smooth	
	SHALE: lt gray, fissile, sl silty		Run 9 9.8 ft.													165.4 70° dip, planar, smooth	
170																166.2 70° dip, planar, smooth	
	SHALE: very silty, micaceous															169.5 90° dip, uneven, rough	
175																170.6 90° dip, planar, smooth	
	SANDSTONE: gray, micaceous, med to coarse grained, some tan nodules															175.9 70° dip, uneven, rough	
			Run 10 10.2 ft.													177.6 70° dip, uneven, rgh	
180																177.7 90° dip, uneven, rgh	
																178.2 30° dip, planar, sm	
																178.5 30° dip, planar, sm	
																181.3 90° dip, uneven, rgh	
185																183. 70° dip, uneven, rgh	
																184.5 and 184.6, 70° dip, 2, uneven, rough	
																185.1 to 185.6, 70° dip, 3, uneven, rough	
			Run 11 10 ft.													186.2 20° dip, uneven, rgh	
190																186.5 and 187.3 45° dip, 2, uneven, rough	
																187.5 90° dip, uneven, rough	
																191.5 45° dip, uneven, rgh	
195	SHALE: dk gray, silty															192.7 60° dip, uneven, rgh	
	SANDSTONE: gray, micaceous, med to coarse grained, clayey, tan nodules															193.5 45° dip, uneven, rgh	
			Run 12 10.1 ft.													197.5 bedding plane, uneven, rough	
200	SHALE: dk gray, very silty, tan nodules															199. 70° dip, planar, sm	
																199.6 70° dip, planar, rough, altered	
																199.7 70° dip, uneven, rgh	

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GEOLOGICAL BORING LOG: Post-sub Core; 10' from vert, (GT2)			Page 6 of 7		
PROJECT: IMSRP Saline County Longwall Site (panel I)			SURF ELEV: 425. FT		
LOCATION: NW1/4, NE1/4, SW1/4, Sec17, R6E, T8S, Saline Cnty			TOTAL DEPTH: 265.6 FT		
LOGGED BY: B. Mehnert, D. VanRoosendaal		METHOD: NX-wireline core		DATE DRILLED: 9/18/90 to 9/21/90	

Depth (Feet)	Description	Lithology	Drilling Data	Core Recov (%)			RGD			Fractures per foot				RM Tests	Joints	
				25	50	75	25	50	75	1	2	3	4		Log	Description
200																
	CLAY: nodular															
205	SHALE: dk gray, sl fissile, very silty, with thin siltstone laminae															
	SHALE: dk gray, sl fissile, sl silty, with black micaceous laminae															
210	SILTSTONE:		Run 13 10 ft.													207.8 85° dip, uneven, rough
	SHALE: dk gray, sl fissile, sl silty, with black micaceous lam, thin															208.6 70° dip, uneven, rough
	CLAYSTONE: gray															210.5 70° dip, uneven, rough
215	SHALE: dk gray, sl silty, grades to:															213.3 70° dip, planar, smooth
	SHALE: dk gray, sl fissile, sl silty															213.5 70° dip, uneven, rough
																214.1 to 214.5 90° dip, uneven, rough
220			Runs 14-17 Poor recovery due to barrel problems and with core loss in circ.													217.9 90° dip, uneven, rough, altered
	core loss															220.1 90° dip, uneven, rough
225																222 70° dip, planar, smooth
230			Run 18 15 ft.													
	SHALE: lt gray, very silty, tan nodules, grades to:															
235																
	SHALE: dk gray, less silty, black laminae															237.5 70° dip, planar, rough
240	SHALE: dk gray to black, fissile, less silty															239.2 70° dip, planar, rough

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GEOLOGICAL BORING LOG: Post-sub Core; 10' from vert, (GT2)			Page 7 of 7		
PROJECT: IMSRP Saline County Longwall Site (panel 1)			SURF ELEV: 425. FT		
LOCATION: NW1/4, NE1/4, SW1/4, Sec17, R6E, T8S, Saline Cnty			TOTAL DEPTH: 265.6 FT		
LOGGED BY: B. Mehnert, D. VanRoosendaal		METHOD: NX-wireline core		DATE DRILLED: 9/18/90 to 9/21/90	

Depth (Feet)	Description	Lithology	Drilling Data	Core Recov (%)			RQD			Fractures per foot				RM Tests	Log	Joints
				25	50	75	25	50	75	1	2	3	4			Description
240																
	core loss		Run 19													242.5 70° dip, planar, rough
245			Poor recovery due to barrel problems and with core loss in circ.													
	SHALE: black, fissile															
250																
255	SHALE: gray-black, very carbonaceous, some silty lenses		Run 20/21 10.6 ft.													257.2 30° dip, planar, smooth
	COAL: black, hard, pyrite, no fractures															258.5 30° dip, sks
260	CLAYSTONE: gray-green, many limey nodules															260.4 30° , uneven, rough
																262.9 40-60° dip, uneven, rough, sks
265																263.5 20° dip, uneven, rough
	NOTE: field log of lithology is given above. Compare with nearby GT1 for a more detailed and complete description.		TD=265.6 ft.													264.8 30° dip, uneven, rough
270																265 10° dip, uneven, sks
275																
280																
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APPENDIX G Presubsidence Geophysical Logs

SALINE COUNTY --- GALATIA SITE --- PANEL 1
 COMPUTED COMPOSITE ELASTIC MODULI DATA BY BPB INSTRUMENTS, INC.
 PRE-SUBSIDENCE DATA
 LOGGED AUGUST 1989 BY BPB INSTRUMENTS, INC.

LITH	DEPTH	UNIT	COMPRESSIVE WAVE VELOCITY	SHEAR WAVE VELOCITY	POISSON'S RATIO	YOUNG'S MODULUS	SHEAR MODULUS	BULK MODULUS
	(FT)	(G/CC)	(FT/SEC)	(FT/SEC)		PSI*10E6	PSI*10E6	PSI*10E6
SH	90	2.48	7436	3806.9	0.32	1.29	0.49	1.21
SH	92	2.48	8329.2	4265.2	0.32	1.61	0.61	1.51
SH	94	2.48	8206.3	4204.6	0.32	1.56	0.59	1.46
SH	96	2.49	7948.6	4076.4	0.32	1.47	0.56	1.37
SH	98	2.47	7985.8	4080.1	0.32	1.47	0.55	1.39
SH	100	2.5	8383.3	4318.4	0.32	1.66	0.63	1.53
SH	102	2.5	9291.1	4786.2	0.32	2.04	0.77	1.88
SH	104	2.49	9501.2	4878	0.32	2.11	0.80	1.96
SH	106	2.5	9049.4	4656.3	0.32	1.93	0.73	1.78
SH	108	2.53	9117.4	4736.9	0.32	2.01	0.77	1.82
SH	110	2.51	9153.4	4729.7	0.32	2.00	0.76	1.83
SH	112	2.51	8674	4473.9	0.32	1.78	0.68	1.64
SH	114	2.5	8279.4	4266.3	0.32	1.62	0.61	1.49
SH	116	2.51	8102.5	4187.5	0.32	1.56	0.59	1.43
SH	118	2.51	8140.5	4205.9	0.32	1.58	0.60	1.44
SH	120	2.52	8200.8	4248.1	0.32	1.61	0.61	1.47
SH	122	2.52	8525.8	4420.3	0.32	1.75	0.66	1.59
SH	124	2.5	9504.8	4890.7	0.32	2.14	0.81	1.98
SH	126	2.56	9725.7	5087.5	0.31	2.36	0.90	2.09
SH	128	2.53	8926.8	4638.5	0.32	1.93	0.73	1.74
SH	130	2.51	8733.9	4504.8	0.32	1.81	0.69	1.66
SH	132	2.51	8725.9	4500.4	0.32	1.80	0.68	1.66
SH	134	2.5	8714.4	4489.9	0.32	1.79	0.68	1.65
SH	136	2.51	8550.7	4411.5	0.32	1.73	0.66	1.59
SH	138	2.5	8526.3	4392.5	0.32	1.72	0.65	1.58
SH	140	2.49	8539.9	4378.3	0.32	1.70	0.64	1.59
SH	142	2.51	8551.6	4409.1	0.32	1.73	0.66	1.59
SH	144	2.5	8575.7	4418.9	0.32	1.74	0.66	1.60
SH	146	2.51	8597.6	4438.8	0.32	1.76	0.67	1.61
SH	148	2.51	8626.2	4448.2	0.32	1.76	0.67	1.62
SH	150	2.49	8688.6	4463.3	0.32	1.77	0.67	1.64
COAL	152	1.92	8311.2	3272.8	0.40	0.88	0.32	1.38
COAL	154	1.74	7728.3	2761.3	0.43	0.52	0.18	1.16
SH	156	2.45	9065.5	4607.3	0.33	1.89	0.71	1.80
SH	158	2.51	10157.9	5246.1	0.32	2.45	0.93	2.25
SH	160	2.52	10349.1	5359.1	0.32	2.57	0.98	2.34
SH	162	2.51	10524.6	5432.3	0.32	2.63	1.00	2.41
SH	164	2.48	10231.3	5240.8	0.32	2.43	0.92	2.28
SH	166	2.52	9905.4	5130.9	0.32	2.35	0.89	2.14
SH	168	2.5	9549.8	4920.6	0.32	2.16	0.82	1.99
SH	170	2.51	8929.4	4616.5	0.32	1.90	0.72	1.74
SH	172	2.5	9036.8	4651.1	0.32	1.92	0.73	1.78
SH	174	2.51	9319.5	4809.5	0.32	2.06	0.78	1.89
SS	176	2.46	9696.9	4925.7	0.33	2.13	0.80	2.04
SS	178	2.38	9302.7	4610	0.34	1.82	0.68	1.86
SS	180	2.37	9111.4	4499	0.34	1.73	0.65	1.79
SS	182	2.36	9114.8	4485.4	0.34	1.71	0.64	1.79
SS	184	2.35	9098.6	4472.8	0.34	1.70	0.63	1.78
SS	186	2.34	9159.2	4486.8	0.34	1.71	0.64	1.80
SS	188	2.36	9079.1	4466	0.34	1.70	0.63	1.77
SS	190	2.38	9501.4	4714.8	0.34	1.91	0.72	1.95
SS	192	2.41	10151.8	5083.1	0.33	2.24	0.84	2.23
SS	194	2.4	9872.2	4920.5	0.33	2.09	0.78	2.10
SS	196	2.38	9849.6	4886.8	0.34	2.05	0.77	2.09
SS	198	2.45	9688.1	4914.2	0.33	2.12	0.80	2.04
SH	200	2.5	10470.9	5391.7	0.32	2.58	0.98	2.39

SALINE COUNTY -- GALATIA SITE -- PANEL 1
 COMPUTED COMPOSITE ELASTIC MODULI DATA BY BPB INSTRUMENTS, INC.
 PRE-SUBSIDENCE DATA
 LOGGED AUGUST 1989 BY BPB INSTRUMENTS, INC.

LITH	DEPTH	UNIT WEIGHT	COMPRESSIVE WAVE VELOCITY	SHEAR WAVE VELOCITY	POISSON'S RATIO	YOUNG'S MODULUS	SHEAR MODULUS	BULK MODULUS
	(FT)	(G/CC)	(FT/SEC)	(FT/SEC)		PSI*10E6	PSI*10E6	PSI*10E6
SH	202	2.52	10594	5487.5	0.32	2.69	1.02	2.45
SH	204	2.53	10007.3	5200	0.32	2.43	0.92	2.19
SH	206	2.52	9514.2	4921.5	0.32	2.16	0.82	1.97
SH	208	2.53	9436.4	4899.1	0.32	2.15	0.82	1.94
SH	210	2.55	9307.5	4857.4	0.31	2.13	0.81	1.89
SH	212	2.55	9569.8	4997.7	0.31	2.26	0.86	2.00
SH-LMY	214	2.54	10071.2	5245	0.31	2.49	0.95	2.22
SH	216	2.53	9290.2	4825.9	0.32	2.09	0.79	1.88
SH	218	2.52	9299	4820.4	0.32	2.08	0.79	1.89
SH	220	2.54	9324.3	4859	0.31	2.13	0.81	1.90
SH	222	2.53	9371.8	4866.6	0.32	2.12	0.81	1.92
SH	224	2.54	9427.1	4908.9	0.31	2.17	0.82	1.94
SH	226	2.54	9372.9	4878.7	0.31	2.14	0.81	1.92
SH	228	2.53	9184.8	4773.4	0.31	2.04	0.78	1.84
COAL	230	2.42	8967.8	4504.6	0.33	1.76	0.66	1.74
CLYST	232	2.57	10168.2	5344.2	0.31	2.61	1.00	2.27
SH	234	2.55	11293	5890.1	0.31	3.12	1.19	2.79
SH	236	2.54	11501.9	5982.2	0.31	3.21	1.22	2.89
SH	238	2.56	11301.1	5919.7	0.31	3.17	1.21	2.79
SH	240	2.56	10592.5	5548.1	0.31	2.79	1.06	2.46
SH	242	2.57	10680.3	5600.8	0.31	2.84	1.08	2.50
SH	244	2.58	10467.5	5516.4	0.31	2.77	1.06	2.40
SH	246	2.54	10204.7	5315.8	0.31	2.54	0.97	2.28
SH	248	2.53	9930.7	5156.7	0.32	2.38	0.91	2.15
SH	250	2.53	9587.2	4982.3	0.31	2.23	0.85	2.01
SH	252	2.35	9241.5	4535	0.34	1.77	0.66	1.84
SH	254	2.49	9013	4628.7	0.32	1.91	0.72	1.77
SH	256	2.4	9098	4544	0.33	1.79	0.67	1.79
COAL	258	2.07	8547	3747.6	0.38	1.09	0.39	1.51
CLYST	260	2.55	9158.8	4783.7	0.31	2.09	0.80	1.84
CLYST	262	2.6	10736.5	5680.7	0.31	2.96	1.13	2.53
CLYST-LMY	264	2.51	10455.8	5401.7	0.32	2.62	1.00	2.40
CLYST-LMY	266	2.64	13236.3	7075.1	0.3	4.63	1.78	3.86
CLYST	268	2.6	12301.4	6506.7	0.31	3.88	1.49	3.33
CLYST	270	2.55	11247.4	5873.7	0.31	3.11	1.19	2.77
SLTST	272	2.49	11882.9	6099.9	0.32	3.30	1.25	3.07
SS	274	2.47	11242.7	5729	0.32	2.89	1.09	2.75
SS	276	2.44	10647.9	5390	0.33	2.54	0.96	2.46
SS	278	2.45	10653.5	5394.8	0.33	2.55	0.96	2.46
SS	280	2.47	10906.7	5564.4	0.32	2.73	1.03	2.58
SS	282	2.47	10960.9	5588.7	0.32	2.75	1.04	2.61
SS	284	2.42	10415.7	5226.6	0.33	2.37	0.89	2.35
SH	286	2.5	10441.5	5378.1	0.32	2.58	0.98	2.37
SH	288	2.56	10858	5689.4	0.31	2.93	1.12	2.58
SH	290	2.54	10995.3	5722.6	0.31	2.94	1.12	2.64
SH	292	2.54	10948.3	5700.4	0.31	2.92	1.11	2.62
SH	294	2.53	10236.9	5320.4	0.32	2.54	0.97	2.29
SH	296	2.57	9922.8	5208.2	0.31	2.46	0.94	2.16
SH	298	2.55	10011.2	5223.5	0.31	2.46	0.94	2.19
SH	300	2.56	9722.3	5095.4	0.31	2.35	0.90	2.07
SH	302	2.46	9260	4712.8	0.33	1.95	0.74	1.86
LS	304	2.51	10217.8	5284.1	0.32	2.51	0.95	2.29
LS	306	2.68	16126.4	8711.7	0.29	7.20	2.78	5.82
LS	308	2.64	15462.5	8288.5	0.30	6.48	2.50	5.34
SH	310	2.48	9603.2	4915.7	0.32	2.15	0.81	2.02

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SALINE COUNTY -- GALATIA SITE -- PANEL 1
 COMPUTED COMPOSITE ELASTIC MODULI DATA BY BPB INSTRUMENTS, INC.
 PRE-SUBSIDENCE DATA
 LOGGED AUGUST 1989 BY BPB INSTRUMENTS, INC.

LITH	DEPTH	UNIT WEIGHT	COMPRESSIVE WAVE VELOCITY	SHEAR WAVE VELOCITY	POISSON'S RATIO	YOUNG'S MODULUS	SHEAR MODULUS	BULK MODULUS
	(FT)	(G/CC)	(FT/SEC)	(FT/SEC)		PSI*10E6	PSI*10E6	PSI*10E6
SH	312	2.49	9017.1	4631	0.32	1.91	0.72	1.77
SH	314	2.57	9344.4	4908.7	0.31	2.19	0.83	1.91
SH	316	2.57	9227.8	4849.1	0.31	2.13	0.81	1.86
SH	318	2.55	9252.2	4831.6	0.31	2.11	0.8	1.87
SH	320	2.4	8935.5	4457.9	0.33	1.74	0.65	1.72
COAL	322	1.76	8413.3	3018.3	0.42	0.66	0.24	1.37
CLYST	324	2.55	11024.3	5765	0.31	3.03	1.16	2.68
CLYST	326	2.55	11866.6	6192.7	0.31	3.46	1.32	3.08
CLYST	328	2.53	11320.8	5884.9	0.31	3.11	1.18	2.8
SH	330	2.49	11569.6	5931	0.32	3.11	1.18	2.91
SH	332	2.54	11471.9	5965.7	0.31	3.2	1.22	2.88
SH	334	2.53	10635.9	5525.2	0.32	2.74	1.04	2.47
SH	336	2.51	10971.3	5663.5	0.32	2.86	1.09	2.63
SS	338	2.41	9938.8	4971.1	0.33	2.14	0.8	2.13
SS	340	2.41	9897.8	4959	0.33	2.13	0.8	2.12
CLYST	342	2.44	9795.4	4945.2	0.33	2.14	0.8	2.08
CLYST	344	2.44	8559.3	4324.6	0.33	1.63	0.61	1.59
SH	346	2.49	9410.7	4827.7	0.32	2.07	0.78	1.93
LS	348	2.6	12623.6	6695.5	0.31	4.26	1.63	3.6
LS	350	2.67	17818.9	9599.8	0.3	8.59	3.32	7
SLTST	352	2.57	13636.7	7163.8	0.31	4.77	1.82	4.15
SLTST	354	2.51	11982	6192.2	0.32	3.42	1.3	3.13
SLTST	356	2.58	11811.8	6211.4	0.31	3.5	1.34	3.06
SLTST	358	2.55	11744.5	6135.1	0.31	3.4	1.29	3.02
SLTST	360	2.53	11359.4	5906.7	0.31	3.13	1.19	2.82
SLTST	362	2.54	10982.7	5724.1	0.31	2.95	1.12	2.64
SLTST	364	2.53	11231	5827.9	0.32	3.04	1.16	2.75
SLTST	366	2.54	11692.3	6088.1	0.31	3.33	1.27	2.99
SLTST	368	2.54	11617.3	6048.5	0.31	3.29	1.25	2.95
SLTST	370	2.55	11534.9	6029.9	0.31	3.29	1.25	2.91
SLTST	372	2.52	11611.2	6012.1	0.32	3.23	1.23	2.94
SLTST	374	2.54	11707.7	6100.4	0.31	3.35	1.28	3
SLTST	376	2.55	11465.4	5984.3	0.31	3.23	1.23	2.88
SLTST	378	2.52	11397.6	5893.9	0.32	3.1	1.18	2.83
SH	380	2.52	11585.1	6002.2	0.32	3.23	1.22	2.93
SLTST	382	2.52	11234.9	5814.8	0.32	3.02	1.15	2.75
SS	384	2.53	11100.8	5757.4	0.32	2.97	1.13	2.69
SS	386	2.5	11125	5731.4	0.32	2.92	1.11	2.7
SS	388	2.53	12175.6	6318.3	0.32	3.58	1.36	3.24
SS	390	2.47	11301.3	5764.3	0.32	2.93	1.11	2.78
SH	392	2.48	11006.7	5633.7	0.32	2.81	1.06	2.63
LS	394	2.5	11409.4	5360.8	0.32	2.56	0.97	2.36
LS	396	2.51	10332.8	5337.1	0.32	2.55	0.97	2.33
LS	398	2.67	16634.7	8980.3	0.29	7.72	2.98	6.24
LS	400	2.66	19272.7	10354.4	0.3	9.96	3.84	8.18
SH-LMY	402	2.48	16433.7	8440.6	0.32	6.51	2.47	5.95
COAL	404	1.54	8989.4	2686.8	0.45	0.52	0.18	1.51
COAL	406	1.47	7871.5	2134.5	0.46	0.27	0.09	1.1
COAL	408	1.62	8217	2644.4	0.44	0.46	0.16	1.27
CLYST	410	2.36	8204.6	4041.8	0.34	1.4	0.52	1.45
CLYST	412	2.47	8918.8	4545.1	0.32	1.82	0.69	1.73
SH	414	2.56	10968.7	5751	0.31	3.03	1.16	2.66
SH	416	2.55	12523.1	6532.2	0.31	3.85	1.47	3.43
SH	418	2.55	11718.6	6123.6	0.31	3.38	1.29	3

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APPENDIX H Postsubsidence Geophysical Logs

Vertical axis label: Depth (m)

SALINE COUNTY --- GALATIA SITE --- PANEL 1
 COMPUTED COMPOSITE ELASTIC MODULI DATA BY BPB INSTRUMENTS, INC.
 POST-SUBSIDENCE DATA
 LOGGED SEPTEMBER, 1990 BY BPB INSTRUMENTS, INC.

LITH	DEPTH	UNIT WEIGHT	COMPRESSIVE WAVE VELOCITY	SHEAR WAVE VELOCITY	POISSON'S RATIO	YOUNG'S MODULUS	SHEAR MODULUS	BULK MODULUS
	(FT)	(G/CC)	(FT/SEC)	(FT/SEC)		PSI*10E6	PSI*10E6	PSI*10E6
SH	90	2.44	8547.0	4320.97	0.328	1.62977212	0.61340345	2.40012058
SH	92	2.444	8103.7	4101.95	0.328	1.47051504	0.55370221	2.16114988
SH	94	2.443	8150.0	4124.08	0.328	1.48597293	0.55946228	2.18498563
SH	96	2.444	8012.4	4055.71	0.328	1.43754650	0.54128836	2.11269750
SH	98	2.439	8169.9	4129.06	0.328	1.48776588	0.55989563	2.19211917
SH	100	2.439	8675.5	4384.57	0.328	1.67759627	0.63133510	2.47182099
SH	102	2.457	9823.2	4992.22	0.326	2.18660027	0.82449139	3.19242367
SH	104	2.462	9529.9	4850.55	0.325	2.06733942	0.77994397	3.01074247
SH	106	2.463	8758.1	4459.08	0.325	1.74762827	0.65939808	2.54386370
SH	108	2.468	8693.2	4432.72	0.324	1.72959725	0.65294813	2.51135777
SH	110	2.465	8807.5	4486.93	0.325	1.77058458	0.66820436	2.57470914
SH	112	2.453	8503.4	4316.21	0.326	1.63255300	0.61531319	2.38833242
SH	114	2.44	8132.3	4111.30	0.328	1.47543966	0.55531677	2.17283940
SH	116	2.442	8023.6	4058.86	0.328	1.43891058	0.54168505	2.11686929
SH	118	2.446	7598.8	3848.74	0.327	1.29534810	0.48785082	1.90177093
SH	120	2.444	8169.5	4135.23	0.328	1.49447028	0.56272222	2.19635582
SH	122	2.445	8138.9	4121.02	0.328	1.48466577	0.55909082	2.18083155
LS	124	2.462	8474.6	4313.41	0.325	1.63482756	0.61677046	2.38085953
SH	126	2.468	8467.4	4317.60	0.324	1.64093010	0.61947500	2.38261397
SH	128	2.467	9006.3	4591.02	0.324	1.85478794	0.70013362	2.69447129
SH	130	2.451	8581.3	4353.06	0.327	1.65955057	0.62535348	2.43028832
SH	132	2.444	8718.4	4413.09	0.328	1.70205251	0.64088446	2.50143010
SH	134	2.45	8374.3	4246.77	0.327	1.57902065	0.59494383	2.31353165
SH	136	2.447	8493.8	4303.39	0.327	1.61994609	0.61016600	2.37711855
SH	138	2.447	8508.2	4310.71	0.327	1.62546394	0.61224435	2.38521548
SH	140	2.442	8448.3	4273.72	0.328	1.59528626	0.60055345	2.34692310
SH	142	2.436	8540.2	4312.17	0.329	1.62117503	0.60990457	2.39238642
SH	144	2.441	8431.7	4264.00	0.328	1.58755966	0.59758026	2.33675468
SH	146	2.434	8537.3	4308.00	0.329	1.61706578	0.60822748	2.38879251
SH	148	2.435	8553.8	4317.68	0.329	1.62483080	0.61121402	2.39902119
SH	150	2.427	8618.2	4339.30	0.330	1.63716516	0.61532326	2.42730749
COAL	152	1.922	7513.1	3048.80	0.401	0.67429541	0.24054886	1.46133092
COAL	154	1.731	7354.7	2621.73	0.427	0.45733103	0.16020159	1.26135610
SH	156	2.28	9775.2	4681.48	0.351	1.81838215	0.67281431	2.93384976
SH	158	2.454	9721.3	4935.91	0.326	2.13563023	0.80501122	3.12272717
SH	160	2.439	9800.8	4953.27	0.328	2.14099730	0.80572828	3.15461006
SH	162	2.442	10405.1	5263.59	0.328	2.41985790	0.91096755	3.56000083
SH	164	2.448	9868.5	5001.40	0.327	2.18873684	0.82449474	3.21013035
SH	166	2.459	9756.1	4961.15	0.326	2.16076063	0.81492441	3.15152856
SH	168	2.455	9445.8	4797.51	0.326	2.01814758	0.76080918	2.94945435
SH	170	2.469	9225.1	4705.38	0.324	1.94949641	0.73604298	2.82924537
SH	172	2.457	9068.9	4608.89	0.326	1.86369068	0.70273335	2.72097756
SH	174	2.443	9188.4	4649.55	0.328	1.88876890	0.71111319	2.77725981
SS	176	2.393	9210.4	4587.21	0.335	1.81054133	0.67800542	2.73353903
SS	178	2.303	9146.4	4417.15	0.348	1.63120209	0.60502310	2.59441766
SS	180	2.314	8925.9	4327.66	0.346	1.57142527	0.58353028	2.48265944

SGEOPST.WK1
 FEB. 14, 1994 M

SALINE COUNTY -- GALATIA SITE -- PANEL 1
 COMPUTED COMPOSITE ELASTIC MODULI DATA BY BPB INSTRUMENTS, INC.
 POST-SUBSIDENCE DATA
 LOGGED SEPTEMBER, 1990 BY BPB INSTRUMENTS, INC.

LITH	DEPTH	UNIT WEIGHT	COMPRESSIVE WAVE VELOCITY	SHEAR WAVE VELOCITY	POISSON'S RATIO	YOUNG'S MODULUS	SHEAR MODULUS	BULK MODULUS
	(FT)	(G/CC)	(FT/SEC)	(FT/SEC)		PSI*10E6	PSI*10E6	PSI*10E6
SS	182	2.305	8422.3	4070.37	0.348	1.38604046	0.51419984	2.20179068
SS	184	2.314	5938.2	2879.10	0.346	0.69550697	0.25826833	1.09881582
SS	186	2.301	7828.4	3777.93	0.348	1.19246666	0.44219988	1.89894236
SS	188	2.295	8212.4	3954.67	0.349	1.30406637	0.48327775	2.08436597
SS	190	2.292	8479.4	4078.79	0.349	1.38583558	0.51341822	2.21919352
SS	192	2.305	8370.5	4045.36	0.348	1.36906124	0.50790081	2.17481838
SS	194	2.311	8317.2	4028.21	0.347	1.36014915	0.50491499	2.15277705
SS	196	2.334	8779.6	4286.72	0.343	1.55186041	0.57748880	2.42266934
SH	198	2.377	9267.8	4591.60	0.337	1.80496709	0.67476149	2.74926399
SH	200	2.421	10416.7	5234.89	0.331	2.37833336	0.89331187	3.53729943
SH	202	2.456	10562.7	5366.40	0.326	2.52590748	0.95232944	3.68966760
SH	204	2.466	10080.6	5137.10	0.325	2.32157790	0.87623966	3.37425985
SH	206	2.442	9313.8	4711.58	0.328	1.93891276	0.72991336	2.85245305
SH	208	2.436	9165.9	4628.09	0.329	1.86742114	0.70254518	2.75577461
SH	210	2.469	9469.7	4830.14	0.324	2.05424940	0.77559304	2.98127022
SH	212	2.485	9103.6	4665.69	0.322	1.92582494	0.72836826	2.77302845
SH	214	2.466	9180.0	4678.11	0.325	1.92525241	0.72665342	2.79822698
SH	216	2.449	9191.2	4659.59	0.327	1.90035865	0.71594032	2.78576073
SH	218	2.453	8795.1	4464.26	0.326	1.74646949	0.65824859	2.55498578
SH	220	2.458	9256.4	4705.63	0.326	1.94333186	0.73284253	2.83582672
SH	222	2.463	9115.2	4640.88	0.325	1.89304291	0.71426452	2.75553059
SH	224	2.453	9227.9	4683.96	0.326	1.92259510	0.72463076	2.81264756
SH	226	2.463	9227.9	4698.27	0.325	1.94014879	0.73203804	2.82409833
CLYST	228	2.439	8914.2	4505.23	0.328	1.77119574	0.66655969	2.60973329
CLYST	230	2.381	8415.2	4174.68	0.337	1.49393689	0.55872617	2.27046310
SH	232	2.463	9734.0	4955.93	0.325	2.15878403	0.81453137	3.14234579
SH	234	2.472	11815.7	6032.21	0.324	3.20680742	1.21114117	4.64703965
SH	236	2.458	11333.6	5761.60	0.326	2.91338414	1.09865528	4.25138535
SH	238	2.461	10733.4	5461.46	0.325	2.62010217	0.98837751	3.81766105
SH	240	2.445	10323.4	5227.14	0.328	2.38862243	0.89950001	3.50865714
SH	242	2.467	10190.3	5194.53	0.324	2.37447860	0.89630317	3.44943176
SH	244	2.485	10121.5	5187.37	0.322	2.38056103	0.90035447	3.42781075
SH	246	2.47	10124.8	5165.86	0.324	2.35043404	0.88751530	3.40942453
SH	248	2.466	9966.1	5078.74	0.325	2.26912495	0.85644220	3.29802296
SH	250	2.457	9721.3	4940.44	0.326	2.14147399	0.80747583	3.12653957
SH	252	2.337	9123.5	4459.25	0.343	1.68091707	0.62571365	2.61952246
SH	254	2.349	9395.6	4611.22	0.341	1.80436519	0.67252452	2.79233446
SH	256	2.367	8587.6	4240.42	0.339	1.53459177	0.57307296	2.35057573
COAL	258	2.125	7627.8	3431.38	0.373	0.92529377	0.33689101	1.66513067
CLYST	260	2.346	9454.7	4635.50	0.342	1.82166549	0.67875593	2.82400462
CLYST	262	2.467	10857.8	5534.80	0.324	2.69574713	1.01757358	3.91614216
CLYST	264	2.454	9689.9	4919.98	0.326	2.12187020	0.79982447	3.10260720
CLYST	266	2.464	11372.3	5791.82	0.325	2.94929482	1.11291964	4.29087824
CLYST	268	2.461	10593.2	5390.13	0.325	2.55210455	0.96272686	3.71858404

SGEOPPST.WK1
 FEB. 14, 1994 M

Split-Spo

[illegible]

SALINE COUNTY -- GALATIA SITE -- PANEL 1
 SPLIT-SPOON SAMPLES
 LABORATORY TEST RESULTS

PRE-SUBSIDENCE -- BORING: PUMP WELL -- 08/08/89

DEPTH (FT)	LIQUID LIMIT (%)	PLASTIC LIMIT (%)	WATER CONTENT (%)	UNIFIED SOIL CLASSIFICATION	SPT (BLOW COUNTS/FT)
5.0-6.5	35	14.5	19.6	CL	36
10.0-11.5	32	14.5	21.5	CL	17
15.0-16.5	27	17	25.6	CL	6
20.0-21.5	25	16	24.8	CL	20
25.0-26.5	25	18	25.1	CL-ML	25
30.0-31.5	29	14	19.6	CL	15
35.0-36.5	30	18	19.7	CL	20
40.0-41.5	28	18	19.2	CL	44
45.0-46.5	28	17.5	20.2	CL	49
50.0-51.5	27	16	21.7	CL	REFUSAL

POST-SUBSIDENCE -- BORING: 10 FT SOUTH OF MPBXD -- 10/01/90

DEPTH (FT)	LIQUID LIMIT (%)	PLASTIC LIMIT (%)	WATER CONTENT (%)	UNIFIED SOIL CLASSIFICATION	SPT (BLOW COUNTS/FT)
5.0-6.5	33	20.5	24.4	CL	
10.0-11.5	42	17	26.5	CL	6
15.0-16.5	27	18	19.2	CL	7
20.0-21.5	27	18	20.4	CL	6
25.0-26.5	21	17	18.3	CL-ML	12
30.0-31.5	27	17	19.1	CL	9
35.0-36.5	27	16.5	18	CL	8
40.0-41.5	27	18	18.5	CL	14
45.0-46.5	28	18.5	18.1	CL	18
50.0-51.5	21	16	16.3	CL-ML	13
55.0-56.5 TOP	26	18	17.8	CL	16
55.0-56.5 BASE	21	16	19.6	CL-ML	16
60.0-61.5			16.9	GC	25
65.0-66.5			12.4	GC-SC	28
70.0-71.5			15.9	GC-SC	27
75.0-76.5	37.5	27	32.4	ML	11
80.0-81.5	43	20	23.1	CL	20

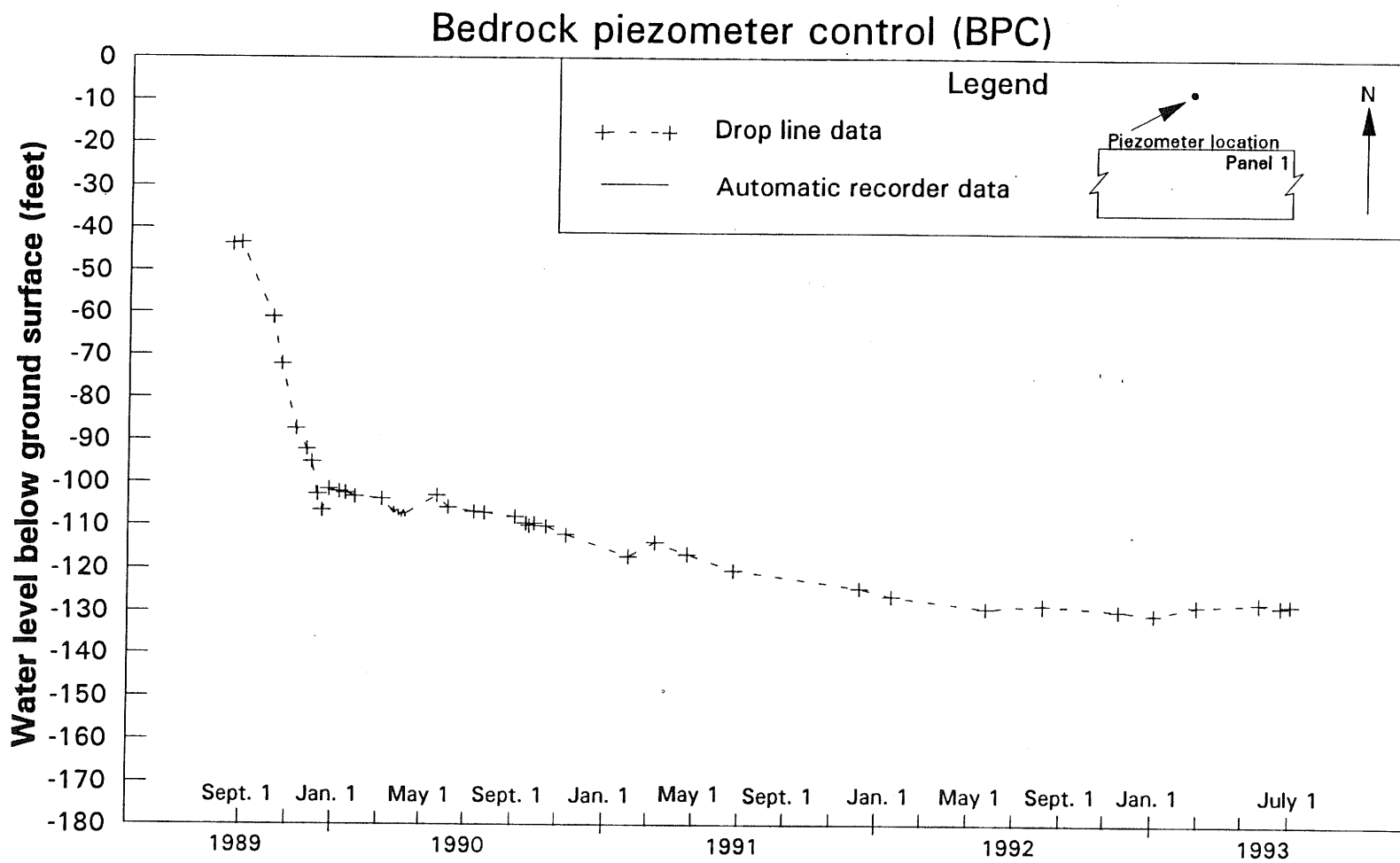
SOILTEST.WK1
 FEB. 24, 1994 Th

APPENDIX J Data and Hydrographs For Drift and Bedrock Piezometers

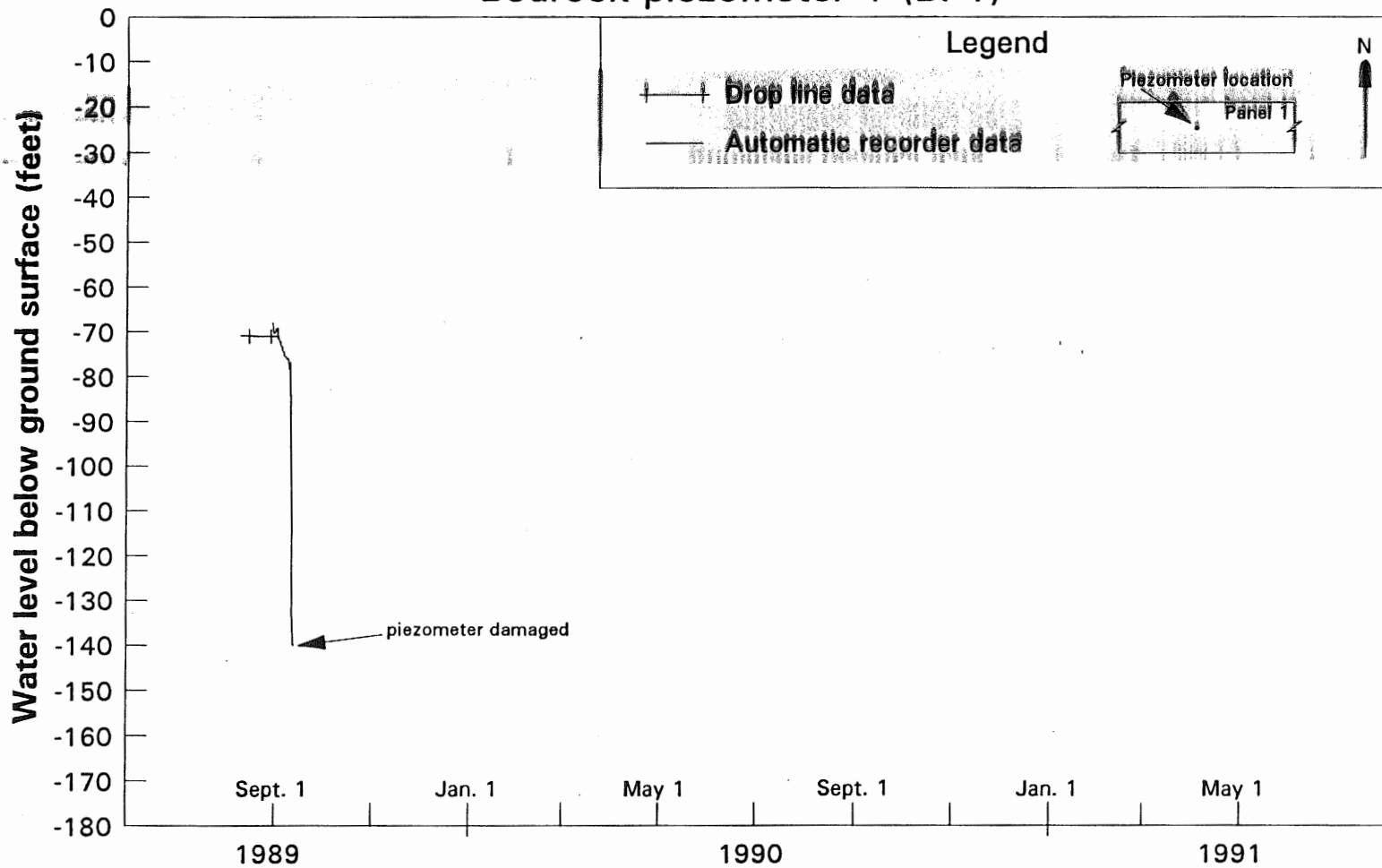
Piezometer Information

Piezometer Name	Unit	Screened Interval (ft) BGL	Well top elevation (ft) AMSL (pre-subsidence)	Location
DP Control	drift	43-53	429.6	N. of panel 1
DP1	drift	63-73	428.7	panel 1 centerline
DP2	drift	66-76	426.1	in tension zone
DP3	drift	66-76	425.5	over chain pillars
BP Control	Trivoli Ss.	185-195	429.7	N. of panel 1
BP1	Trivoli Ss.	138-143	379.*	near centerline
BP2	Trivoli Ss.	183-193	414.*	20' S. of centerline
BP3	Trivoli Ss.	186-196	430.6	100' N. of centerline
BP4	Gimlet Ss.	265-275	428.8	panel 1 centerline
BP5	Trivoli Ss.	182-192	429.2	panel 1 centerline
BP6	Trivoli Ss.	175-185	426.5	in tension zone
BP7	Trivoli Ss.	171-181	425.5	over chain pillar
BPPS	Trivoli Ss.	183-193	N/A	panel 1 centerline

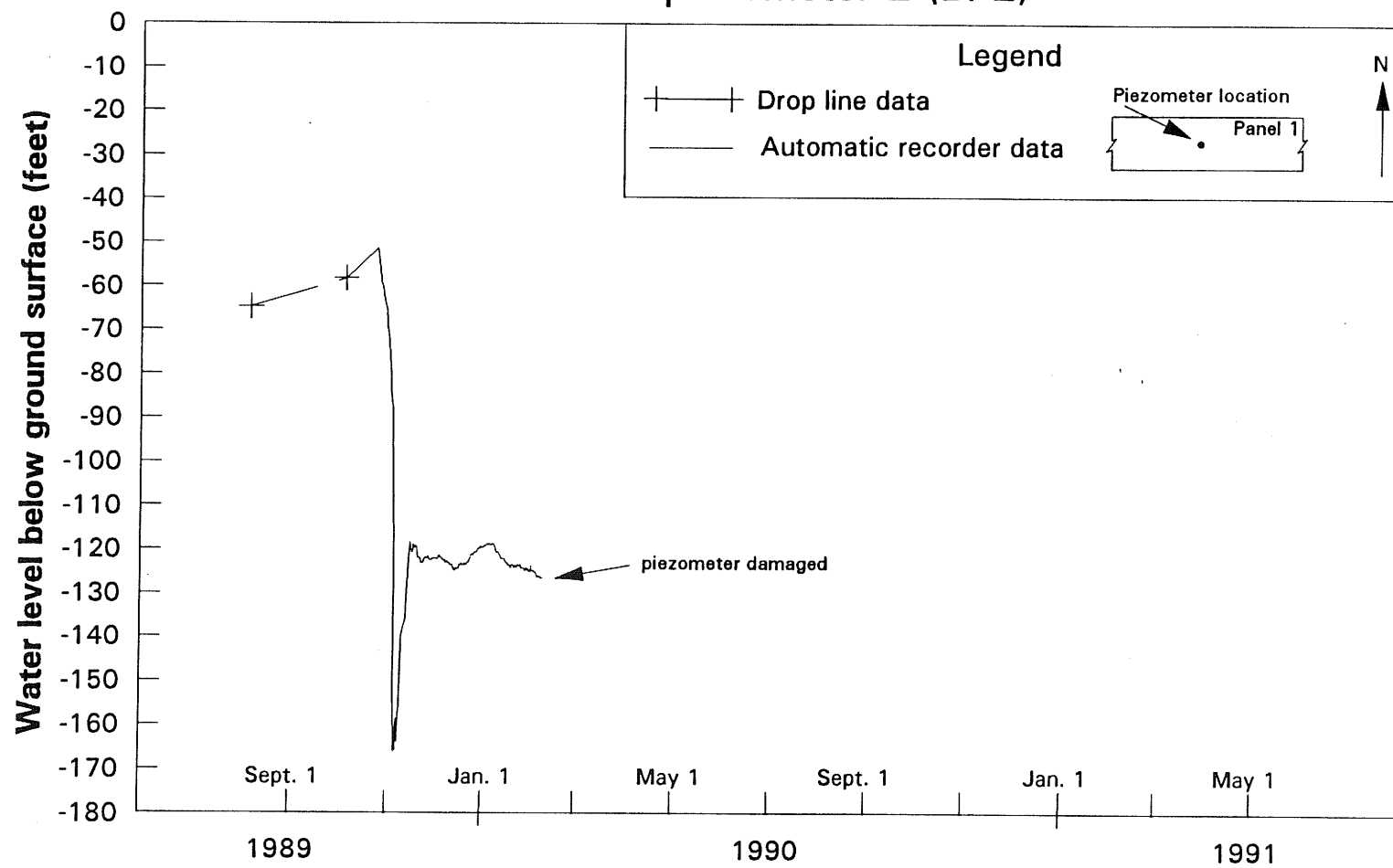
* Company data



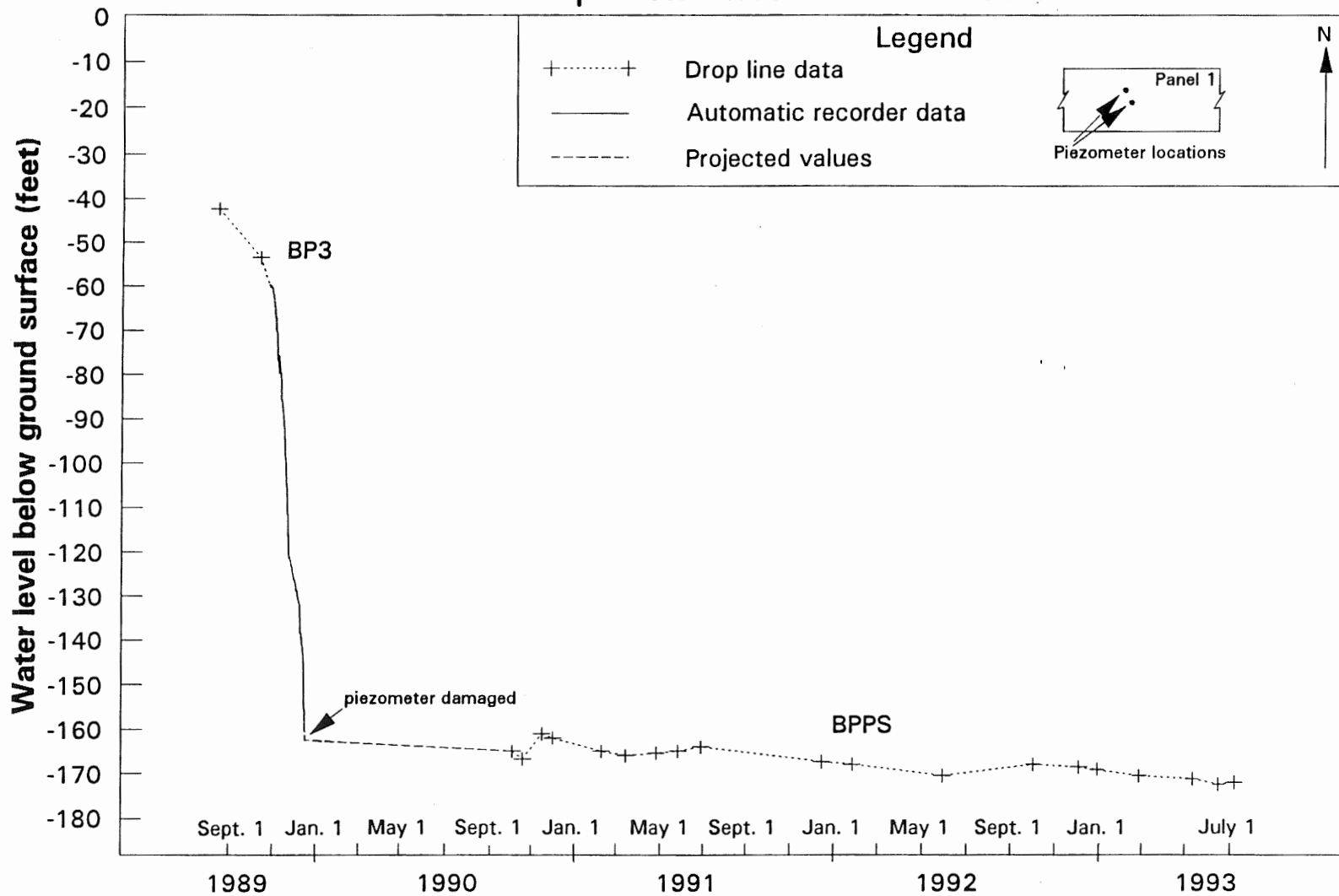
Bedrock piezometer 1 (BP1)



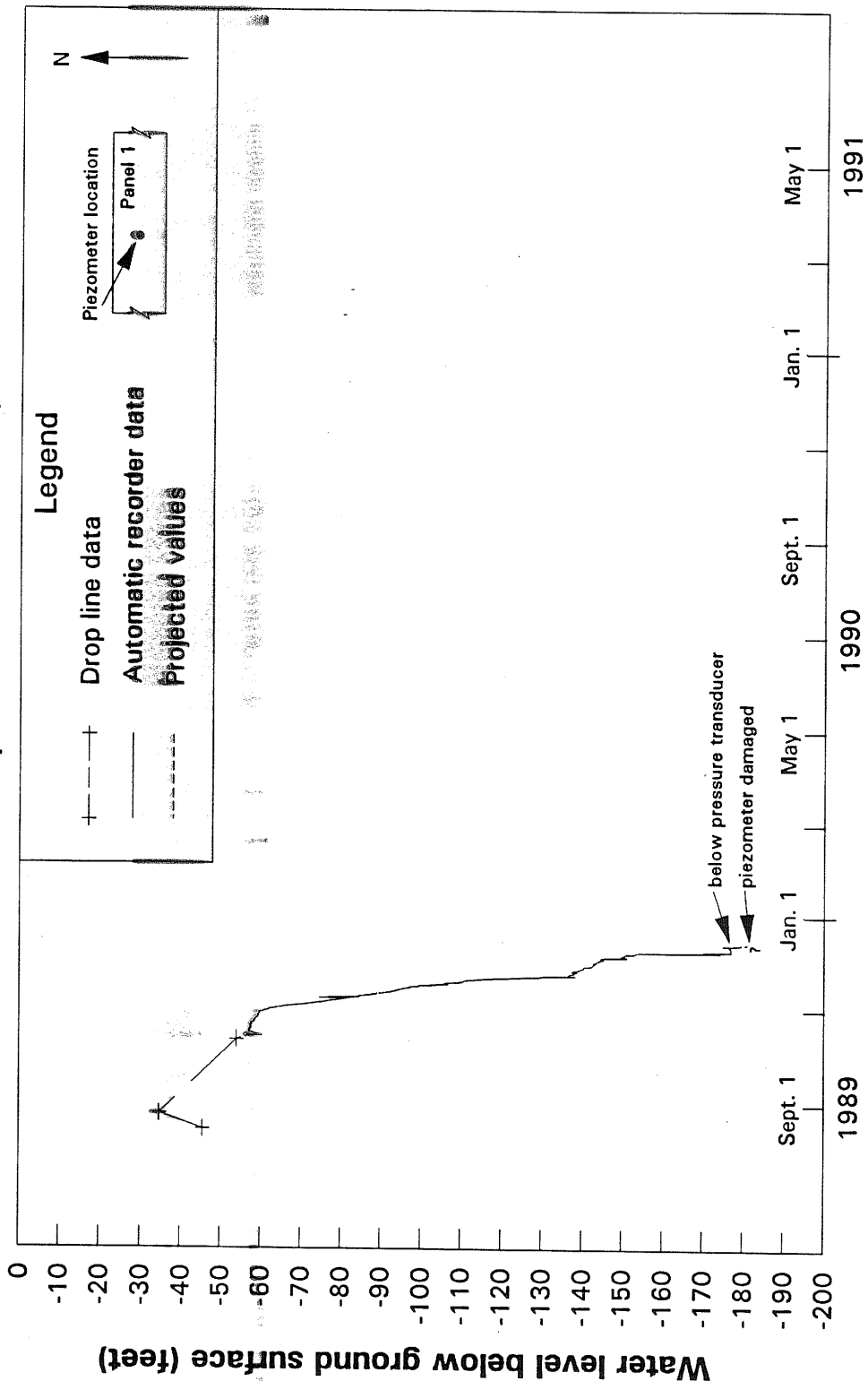
Bedrock piezometer 2 (BP2)



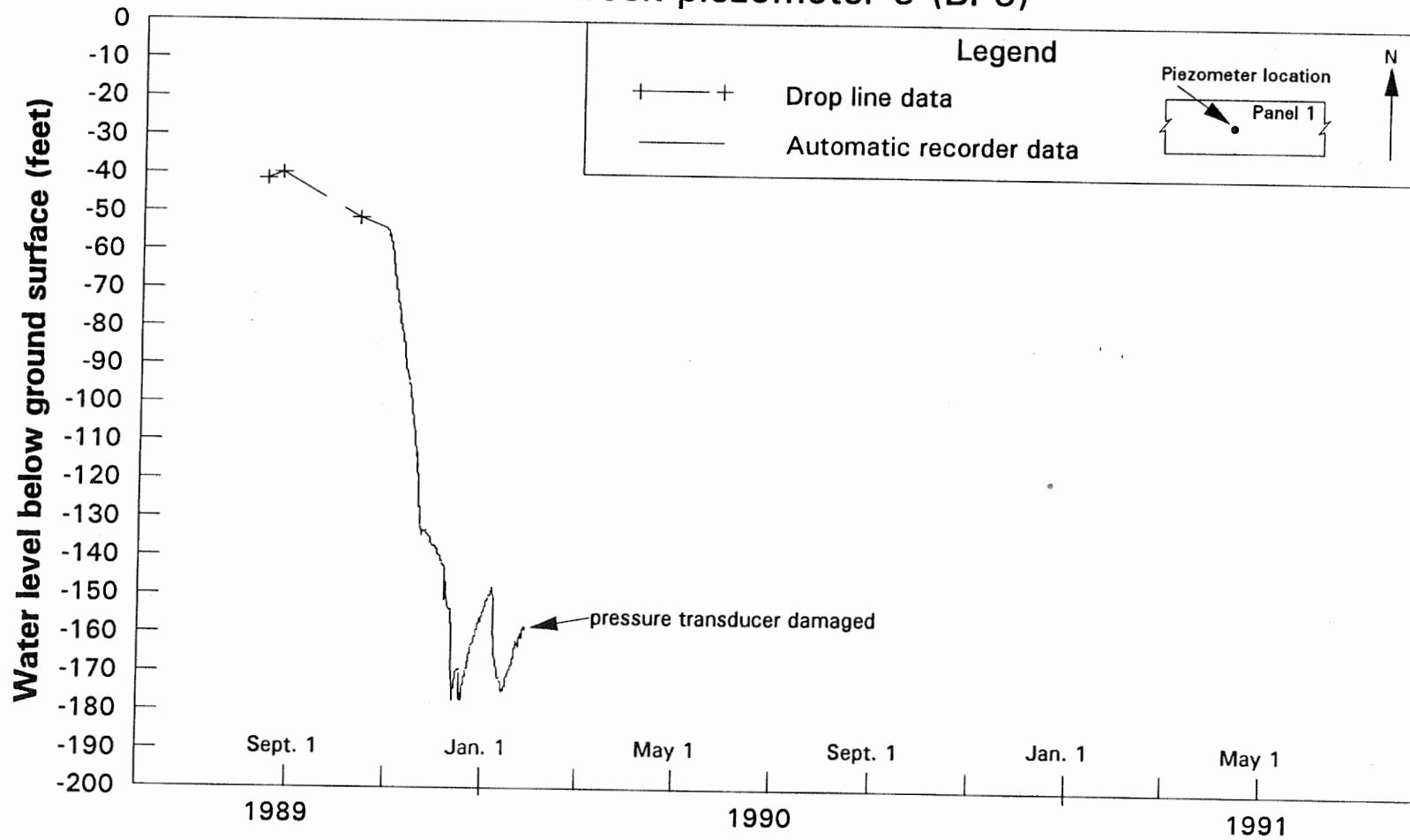
Bedrock piezometers BP3 and BPPS

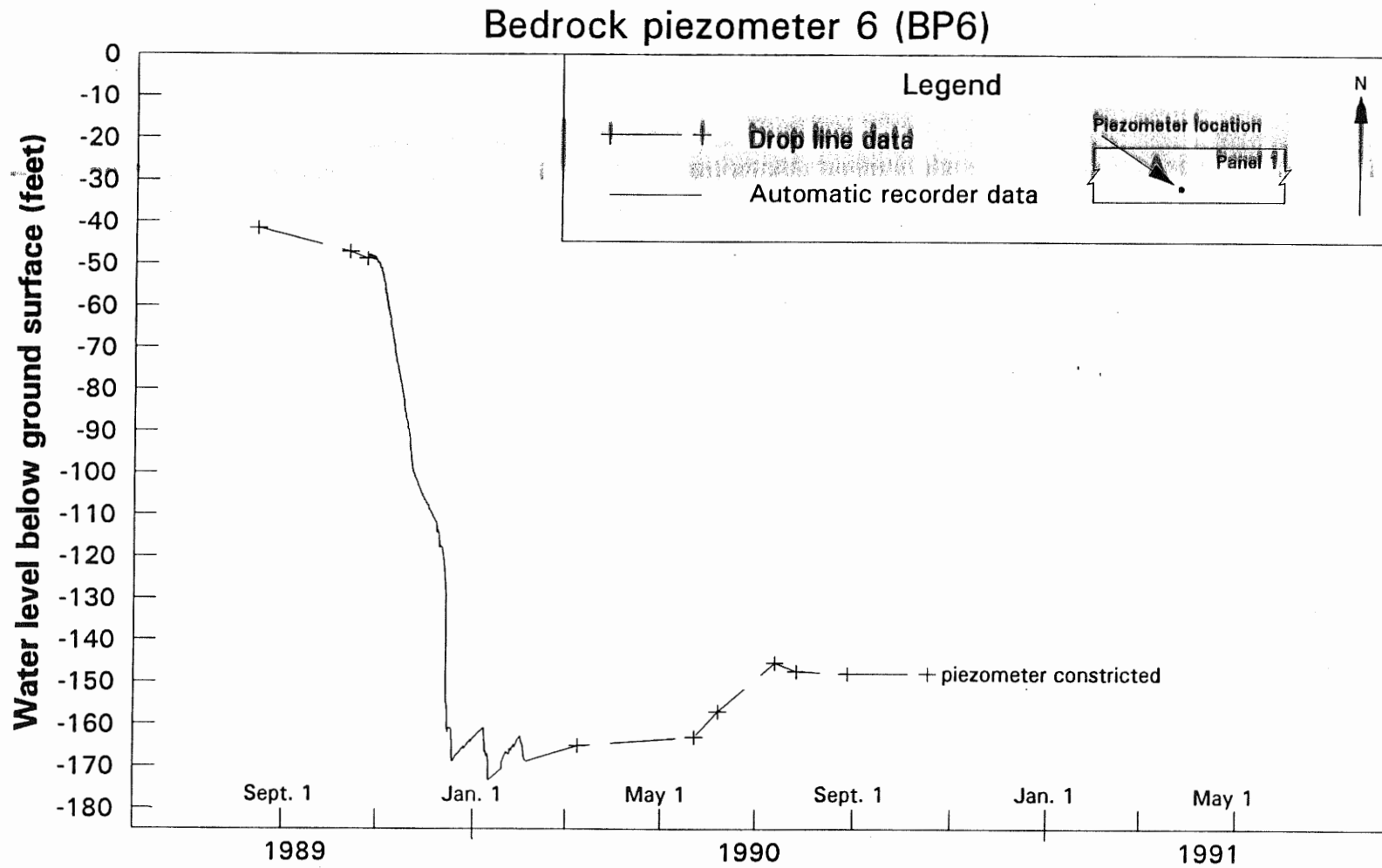


Bedrock piezometer 4 (BP4)

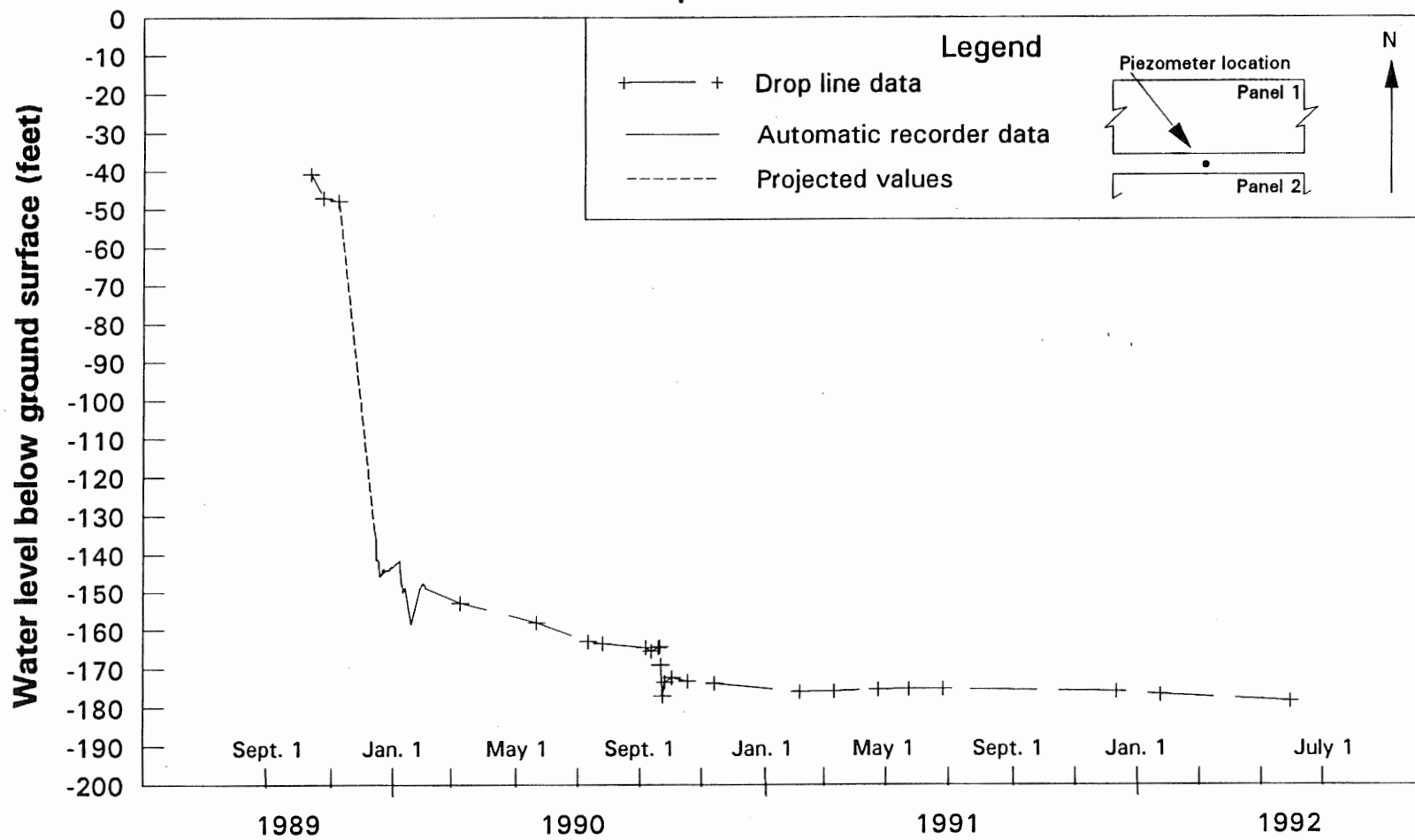


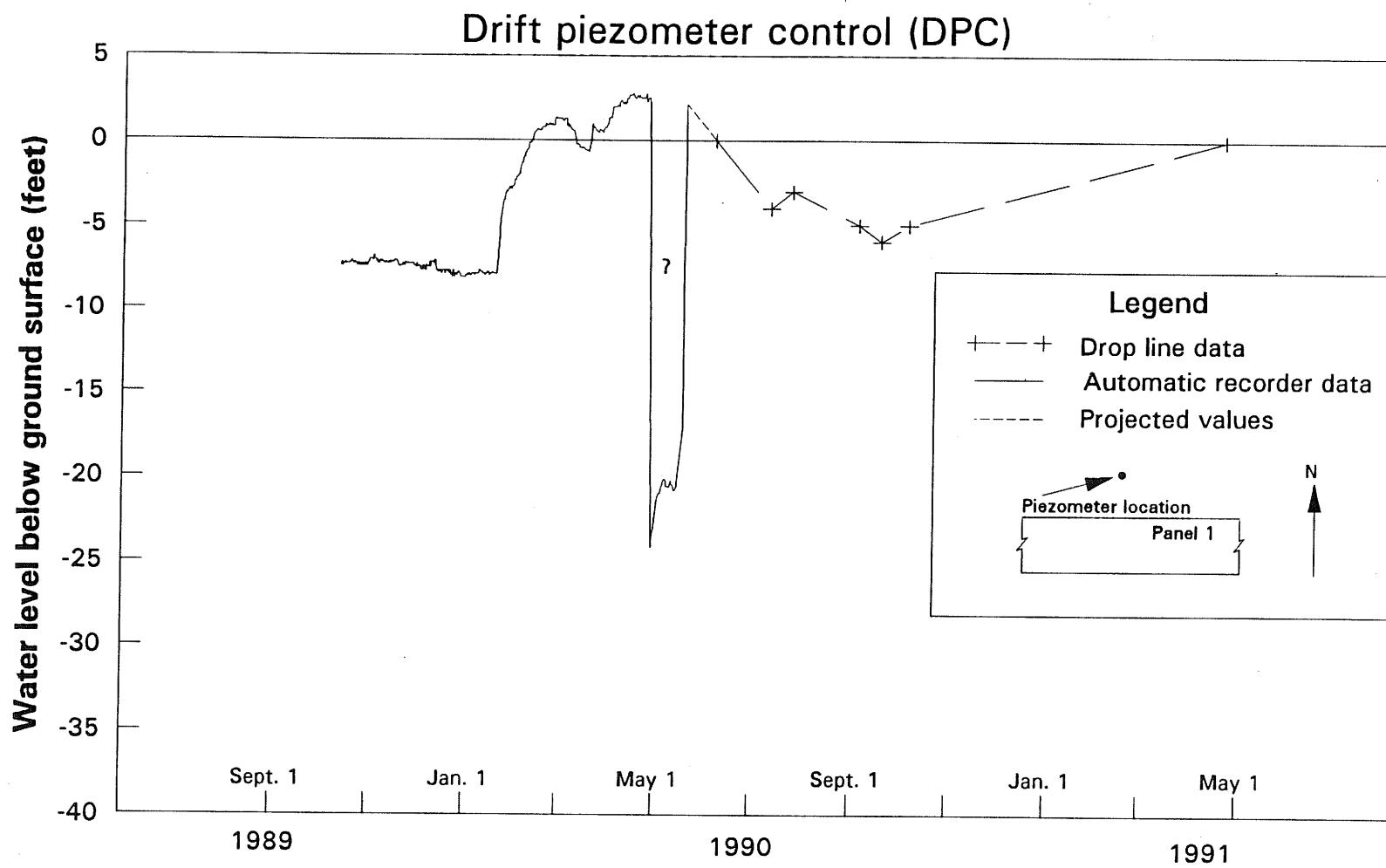
Bedrock piezometer 5 (BP5)



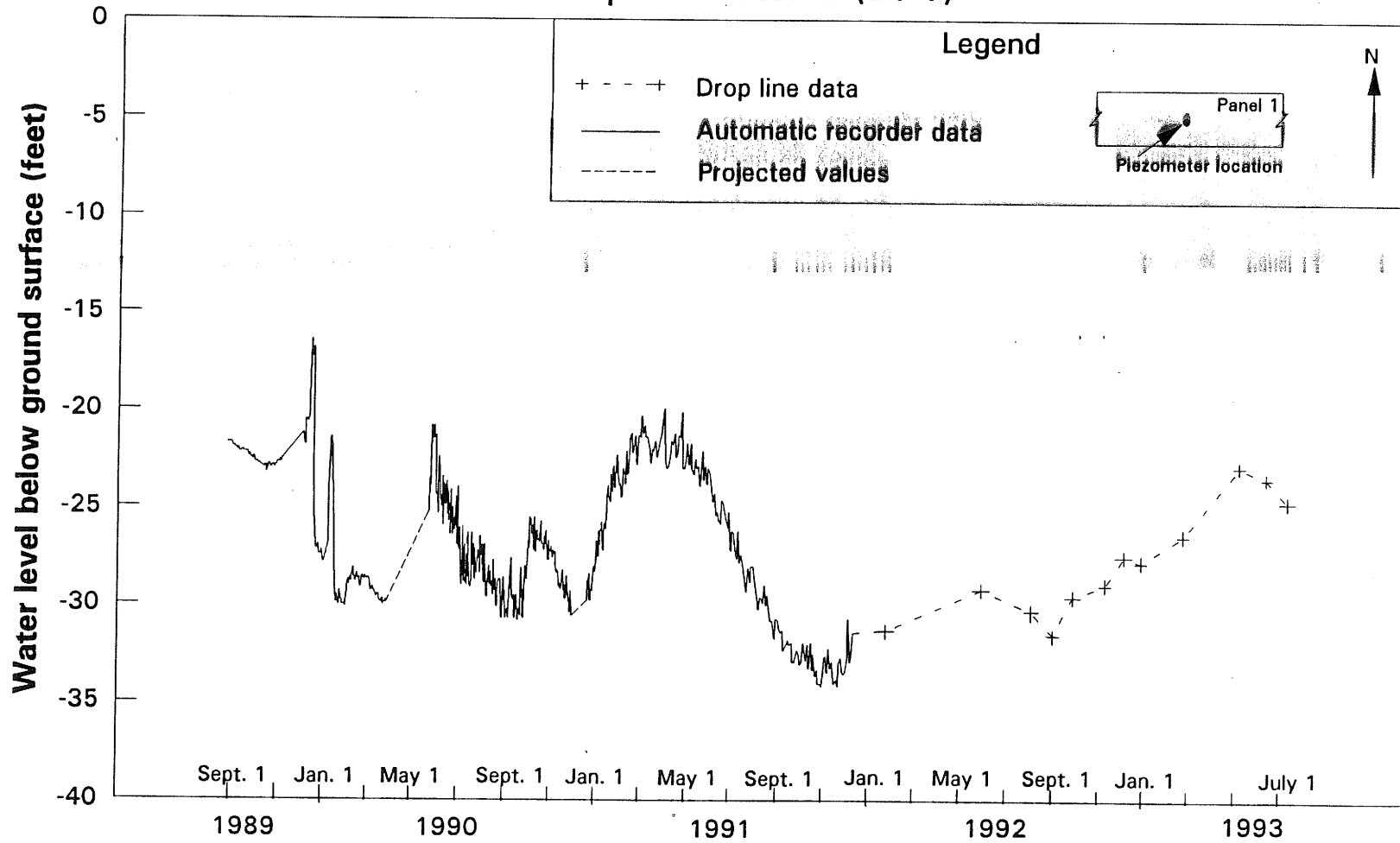


Bedrock piezometer 7 (BP7)

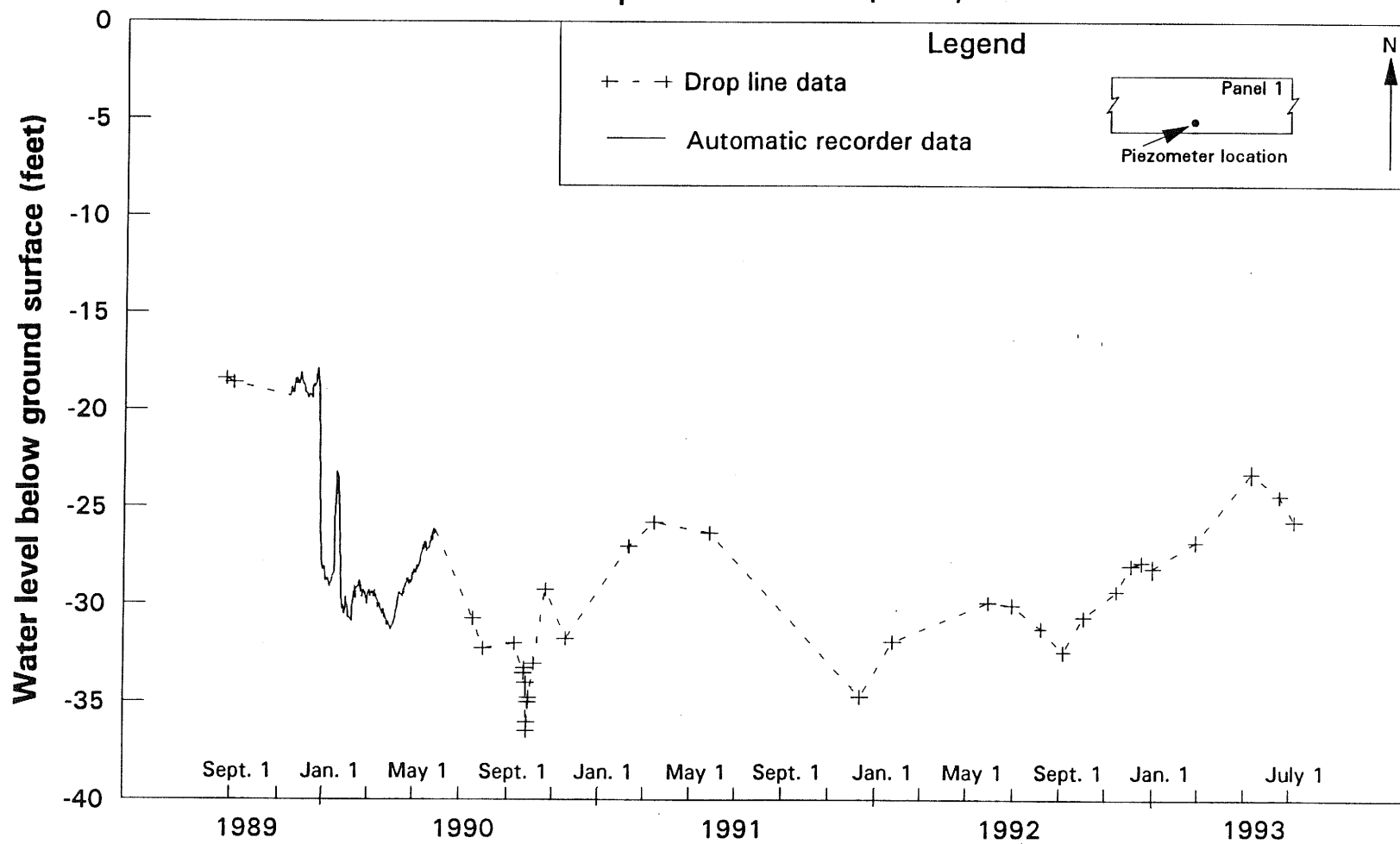




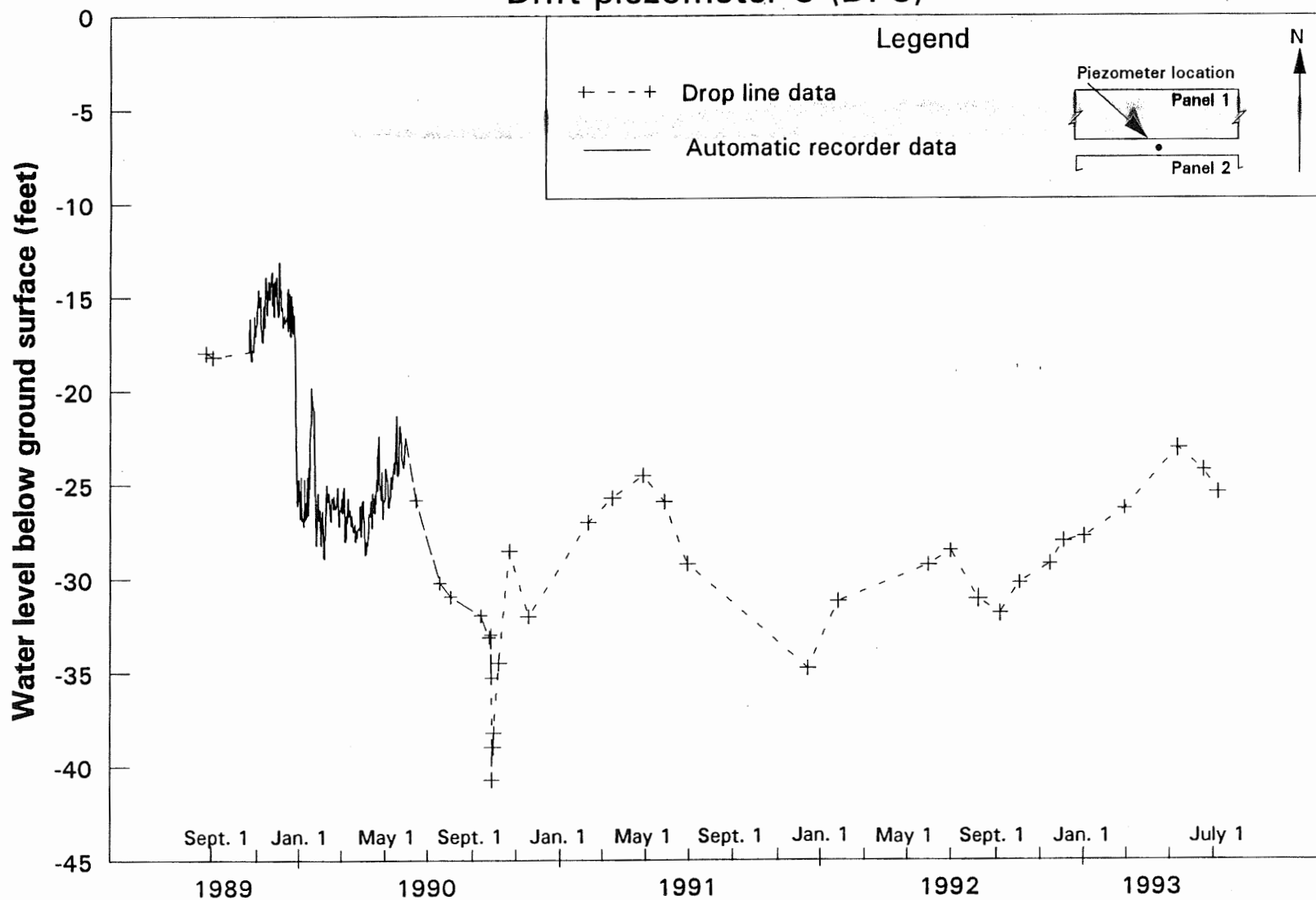
Drift piezometer 1 (DP1)



Drift piezometer 2 (DP2)



Drift piezometer 3 (DP3)



APPENDIX K Extensometer Data

SALINE COUNTY - GALATIA SITE
 PANEL1
 "SHALLOW MPBX" AT CENTERLINE

ROD #1 (LENGTH = 220 FT)		ROD READING (FT)	SURFACE ELEVATION (FT)	ANCHOR ELEVATION (FT)	TOTAL ANCHOR CHANGE (FT)	STRAIN
11/8/1989:		0.0752	429.4406	209.365416	--	--
11/13/1989:		0.0753	429.4406	209.365275	-0.0001	-0.0000
11/21/1989:		0.0717	429.4406	209.368891	0.0035	0.0000
11/27/1989:		0.0715	429.4314	209.359941	-0.0055	-0.0000
11/29/1989:		0.0715	429.4317	209.360241	-0.0052	-0.0000
12/4/1989:		0.0724	429.4294	209.357016	-0.0084	-0.0000
12/5/1989:		0.0730	429.4294	209.356441	-0.0090	-0.0000
12/11/1989:		0.0716	429.4019	209.330316	-0.0351	-0.0002
12/13/1989:		0.0691	429.3371	209.268025	-0.0974	-0.0004
12/14/1989: 9AM		0.0604	429.3371	209.276725	-0.0887	-0.0004
12/14/1989: 11:30AM		0.0592	429.3371	209.277891	-0.0875	-0.0004
12/14/1989: 2PM		0.0589	429.3371	209.278225	-0.0872	-0.0004
12/14/1989: 4PM		0.0593	429.3371	209.277808	-0.0876	-0.0004
12/14/1989: 9PM		0.0599	429.3371	209.277183	-0.0882	-0.0004
12/15/1989: 11AM		0.0637	428.473	208.409291	-0.9561	-0.0043
12/15/1989: 1PM		0.0642	428.473	208.408825	-0.9566	-0.0043
12/15/1989: 1:15PM		0.0595	428.473	208.413525	-0.9519	-0.0043
12/15/1989: 4PM		0.0595	428.473	208.413525	-0.9519	-0.0043
12/15/1989: 4PM		0.0568	428.473	208.416216	-0.9492	-0.0043
12/16/1989: 10:30AM		0.0776	427.9001	207.822525	-1.5429	-0.0070
12/16/1989: 1:15PM		0.0790	427.9001	207.8211	-1.5443	-0.0070
12/16/1989: 3PM		0.0792	427.9001	207.82095	-1.5445	-0.0070
12/17/1989: 9AM		0.0677	427.9001	207.832383	-1.5330	-0.0070
12/17/1989: 3PM		0.0886	427.9001	207.81155	-1.5539	-0.0071
12/18/1989: 9AM		0.0912	427.9001	207.80895	-1.5565	-0.0071
12/19/1989: 9AM		0.6328	426.1251	205.492283	-3.8731	-0.0176
12/19/1989: 4:15PM		0.6432	426.1251	205.481866	-3.8836	-0.0177
12/20/1989: 10AM		0.6432	426.1251	205.481866	-3.8836	-0.0177
12/20/1989: 4PM		0.6432	426.1251	205.481866	-3.8836	-0.0177
12/27/1989: 6PM		0.6380	426.1251	205.487075	-3.8783	-0.0176
12/28/1989: 8AM		0.6328	425.8588	205.225983	-4.1394	-0.0188
12/28/1989: 4PM		0.6328	425.8588	205.225983	-4.1394	-0.0188
12/29/1989: 9AM		0.6302	425.8588	205.228583	-4.1368	-0.0188
1/11/1990: 9AM		0.2214	425.1535	204.932141	-4.4333	-0.0202
1/11/1990: 3PM		0.2083	425.1535	204.945158	-4.4203	-0.0201
1/19/1990: 11AM		0.0573	425.1535	205.0962	-4.2692	-0.0194
2/1/1990: 11AM		0.0469	424.9816	204.934716	-4.4307	-0.0201
3/9/1990: 3:30PM		0.0365	424.9816	204.945133	-4.4203	-0.0201
3/29/1990: 9AM		0.0391	424.9495	204.910433	-4.4550	-0.0202

MPBWSH.WK1
 FEB. 03, 1994 Th

SALINE COUNTY - GALATIA SITE
 PANEL1
 "SHALLOW MPBX" AT CENTERLINE

ROD #2 (LENGTH = 200 FT)	ROD READING (FT)	SURFACE ELEVATION (FT)	ANCHOR ELEVATION (FT)	TOTAL ANCHOR CHANGE (FT)	STRAIN
11/8/1989:	0.0623	429.4406	229.378316	--	--
11/13/1989:	0.0622	429.4406	229.378416	0.0001	0.0000
11/21/1989:	0.0589	429.4406	229.381683	0.0034	0.0000
11/27/1989:	0.0584	429.4314	229.373025	-0.0053	-0.0000
11/29/1989:	0.0581	429.4317	229.373575	-0.0047	-0.0000
12/4/1989:	-0.0583	429.4294	229.371116	-0.0072	-0.0000
12/5/1989:	0.0583	429.4294	229.371066	-0.0073	-0.0000
12/11/1989:	0.0552	429.4019	229.346725	-0.0316	-0.0002
12/13/1989:	0.0494	429.3371	229.287675	-0.0906	-0.0005
12/14/1989: 9AM	0.0401	429.3371	229.297016	-0.0813	-0.0004
12/14/1989: 11:30AM	0.0395	429.3371	229.297641	-0.0807	-0.0004
12/14/1989: 2PM	0.0393	429.3371	229.297841	-0.0805	-0.0004
12/14/1989: 4PM	0.0396	429.3371	229.297475	-0.0808	-0.0004
12/14/1989: 9PM	0.0396	429.3371	229.297533	-0.0808	-0.0004
12/15/1989: 11AM	0.0395	428.473	228.433475	-0.9448	-0.0047
12/15/1989: 1PM	0.0400	428.473	228.43305	-0.9453	-0.0047
12/15/1989: 1:15PM	0.0324	428.473	228.440616	-0.9377	-0.0047
12/15/1989: 4PM	0.0324	428.473	228.440616	-0.9377	-0.0047
12/15/1989: 4PM	0.0257	428.473	228.447308	-0.9310	-0.0047
12/16/1989: 10:30AM	0.0033	427.9001	227.8968	-1.4815	-0.0074
12/16/1989: 1:15PM	0.0036	427.9001	227.896516	-1.4818	-0.0074
12/16/1989: 3PM	0.0036	427.9001	227.896458	-1.4819	-0.0074
12/17/1989: 9AM	0.0028	427.9001	227.897258	-1.4811	-0.0074
12/17/1989: 3PM	0.0081	427.9001	227.89205	-1.4863	-0.0074
12/18/1989: 9AM	0.0094	427.9001	227.89075	-1.4876	-0.0074
12/19/1989: 9AM	0.4664	426.1251	225.658716	-3.7196	-0.0186
12/19/1989: 4:15PM	0.4768	426.1251	225.648308	-3.7300	-0.0187
12/20/1989: 10AM	0.4820	426.1251	225.643091	-3.7352	-0.0187
12/20/1989: 4PM	0.4846	426.1251	225.640491	-3.7378	-0.0187
12/27/1989: 6PM	0.4924	426.1251	225.632675	-3.7456	-0.0187
12/28/1989: 8AM	0.4872	425.8588	225.371583	-4.0067	-0.0200
12/28/1989: 4PM	0.4872	425.8588	225.371583	-4.0067	-0.0200
12/29/1989: 9AM	0.4872	425.8588	225.371583	-4.0067	-0.0200
1/11/1990: 9AM	0.1539	425.1535	224.999616	-4.3787	-0.0219
1/11/1990: 3PM	0.1409	425.1535	225.012641	-4.3657	-0.0218
1/19/1990: 11AM	-0.0102	425.1535	225.163683	-4.2146	-0.0211
2/1/1990: 11AM	-0.0258	424.9816	225.007408	-4.3709	-0.0219
3/9/1990: 3:30PM	-0.0232	424.9816	225.004808	-4.3735	-0.0219
3/29/1990: 9AM	-0.0258	424.9495	224.975308	-4.4030	-0.0220

MPBWSH.WK1
 FEB. 03, 1994 Th

SALINE COUNTY - GALATIA SITE
PANEL1
"SHALLOW MPBX" AT CENTERLINE

ROD #3 (LENGTH = 180 FT)	ROD READING (FT)	SURFACE ELEVATION (FT)	ANCHOR ELEVATION (FT)	TOTAL ANCHOR CHANGE (FT)	STRAIN
11/8/1989:	0.0624	429.4406	249.378191	--	--
11/13/1989:	0.0623	429.4406	249.378258	0.0001	0.0000
11/21/1989:	0.0592	429.4406	249.381425	0.0032	0.0000
11/27/1989:	0.0596	429.4314	249.371816	-0.0064	-0.0000
11/29/1989:	0.0597	429.4317	249.372033	-0.0062	-0.0000
12/4/1989:	0.0601	429.4294	249.3693	-0.0089	-0.0000
12/5/1989:	0.0605	429.4294	249.368925	-0.0093	-0.0001
12/11/1989:	0.0581	429.4019	249.343808	-0.0344	-0.0002
12/13/1989:	0.0552	429.3371	249.281866	-0.0963	-0.0005
12/14/1989: 9AM	0.0469	429.3371	249.290208	-0.0880	-0.0005
12/14/1989: 11:30AM	0.0459	429.3371	249.291166	-0.0870	-0.0005
12/14/1989: 2PM	0.0392	429.3371	249.297858	-0.0803	-0.0004
12/14/1989: 4PM	0.0460	429.3371	249.291091	-0.0871	-0.0005
12/14/1989: 9PM	0.0469	429.3371	249.290225	-0.0880	-0.0005
12/15/1989: 11AM	0.0502	428.473	248.422816	-0.9554	-0.0053
12/15/1989: 1PM	0.0506	428.473	248.422441	-0.9557	-0.0053
12/15/1989: 1:15PM	0.0444	428.473	248.428633	-0.9496	-0.0053
12/15/1989: 4PM	0.0444	428.473	248.428633	-0.9496	-0.0053
12/15/1989: 4PM	0.0423	428.473	248.430683	-0.9475	-0.0053
12/16/1989: 10:30AM	0.0597	427.9001	247.840358	-1.5378	-0.0085
12/16/1989: 1:15PM	0.0608	427.9001	247.839291	-1.5389	-0.0085
12/16/1989: 3PM	0.0610	427.9001	247.839083	-1.5391	-0.0086
12/17/1989: 9AM	0.0660	427.9001	247.834066	-1.5441	-0.0086
12/17/1989: 3PM	0.0686	427.9001	247.831458	-1.5467	-0.0086
12/18/1989: 9AM	0.0712	427.9001	247.828858	-1.5493	-0.0086
12/19/1989: 9AM	0.5856	426.1251	245.539533	-3.8387	-0.0213
12/19/1989: 4:15PM	0.5973	426.1251	245.527816	-3.8504	-0.0214
12/20/1989: 10AM	0.5947	426.1251	245.530416	-3.8478	-0.0214
12/20/1989: 4PM	0.5973	426.1251	245.527816	-3.8504	-0.0214
12/27/1989: 6PM	0.5999	426.1251	245.525208	-3.8530	-0.0214
12/28/1989: 8AM	0.5947	425.8588	245.264116	-4.1141	-0.0229
12/28/1989: 4PM	0.5947	425.8588	245.264116	-4.1141	-0.0229
12/29/1989: 9AM	0.5921	425.8588	245.266725	-4.1115	-0.0228
1/11/1990: 9AM	0.2041	425.1535	244.949441	-4.4288	-0.0246
1/11/1990: 3PM	0.1884	425.1535	244.965066	-4.4131	-0.0245
1/19/1990: 11AM	0.0400	425.1535	245.113508	-4.2647	-0.0237
2/1/1990: 11AM	0.0296	424.9816	244.952025	-4.4262	-0.0246
3/9/1990: 3:30PM	0.0192	424.9816	244.962441	-4.4158	-0.0245
3/29/1990: 9AM	0.0166	424.9495	244.932941	-4.4453	-0.0247

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SALINE COUNTY - GALATIA SITE
 PANEL1
 "SHALLOW MPBX" AT CENTERLINE

ROD #4 (LENGTH = 160 FT)	ROD READING (FT)	SURFACE ELEVATION (FT)	ANCHOR ELEVATION (FT)	TOTAL ANCHOR CHANGE (FT)	STRAIN
11/8/1989:	0.0754	429.4406	269.365166	--	--
11/13/1989:	0.0754	429.4406	269.365225	0.0001	0.0000
11/21/1989:	0.0723	429.4406	269.368333	0.0032	0.0000
11/27/1989:	0.0720	429.4314	269.359358	-0.0058	-0.0000
11/29/1989:	0.0720	429.4317	269.359691	-0.0055	-0.0000
12/4/1989:	0.0722	429.4294	269.35725	-0.0079	-0.0000
12/5/1989:	0.0725	429.4294	269.3569	-0.0083	-0.0001
12/11/1989:	0.0690	429.4019	269.332916	-0.0323	-0.0002
12/13/1989:	0.0638	429.3371	269.273308	-0.0919	-0.0006
12/14/1989: 9AM	0.0542	429.3371	269.282891	-0.0823	-0.0005
12/14/1989: 11:30AM	0.0520	429.3371	269.285058	-0.0801	-0.0005
12/14/1989: 2PM	0.0510	429.3371	269.286141	-0.0790	-0.0005
12/14/1989: 4PM	0.0513	429.3371	269.28585	-0.0793	-0.0005
12/14/1989: 9PM	0.0516	429.3371	269.285475	-0.0797	-0.0005
12/15/1989: 11AM	0.0521	428.473	268.420858	-0.9443	-0.0059
12/15/1989: 1PM	0.0525	428.473	268.420541	-0.9446	-0.0059
12/15/1989: 1:15PM	0.0488	428.473	268.424208	-0.9410	-0.0059
12/15/1989: 4PM	0.0488	428.473	268.424208	-0.9410	-0.0059
12/15/1989: 4PM	0.0460	428.473	268.426958	-0.9382	-0.0059
12/16/1989: 10:30AM	0.0548	427.9001	267.845325	-1.5198	-0.0095
12/16/1989: 1:15PM	0.0558	427.9001	267.844325	-1.5208	-0.0095
12/16/1989: 3PM	0.0559	427.9001	267.844225	-1.5209	-0.0095
12/17/1989: 9AM	0.0606	427.9001	267.83945	-1.5257	-0.0095
12/17/1989: 3PM	0.0632	427.9001	267.836858	-1.5283	-0.0096
12/18/1989: 9AM	0.0659	427.9001	267.834241	-1.5309	-0.0096
12/19/1989: 9AM	0.5581	426.1251	265.56705	-3.7981	-0.0237
12/19/1989: 4:15PM	0.5711	426.1251	265.554033	-3.8111	-0.0238
12/20/1989: 10AM	0.5711	426.1251	265.554033	-3.8111	-0.0238
12/20/1989: 4PM	0.5711	426.1251	265.554033	-3.8111	-0.0238
12/27/1989: 6PM	0.5711	426.1251	265.554033	-3.8111	-0.0238
12/28/1989: 8AM	0.5685	425.8588	265.290333	-4.0748	-0.0255
12/28/1989: 4PM	0.5685	425.8588	265.290333	-4.0748	-0.0255
12/29/1989: 9AM	0.5659	425.8588	265.292941	-4.0722	-0.0255
1/11/1990: 9AM	0.2143	425.1535	264.9392	-4.4260	-0.0277
1/11/1990: 3PM	0.2013	425.1535	264.952225	-4.4129	-0.0276
1/19/1990: 11AM	0.0554	425.1535	265.098058	-4.2671	-0.0267
2/1/1990: 11AM	0.0424	424.9816	264.939175	-4.4260	-0.0277
3/9/1990: 3:30PM	0.0320	424.9816	264.949591	-4.4156	-0.0276
3/29/1990: 9AM	0.0320	424.9495	264.917491	-4.4477	-0.0278

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SALINE COUNTY - GALATIA SITE
PANEL1
"SHALLOW MPBX" AT CENTERLINE

ROD #5 (LENGTH = 140 FT)	ROD READING (FT)	SURFACE ELEVATION (FT)	ANCHOR ELEVATION (FT)	TOTAL ANCHOR CHANGE (FT)	STRAIN
11/8/1989:	0.0862	429.4406	289.354391	--	--
11/13/1989:	0.0870	429.4406	289.353641	-0.0007	-0.0000
11/21/1989:	0.0850	429.4406	289.35565	0.0013	0.0000
11/27/1989:	0.0831	429.4314	289.348333	-0.0061	-0.0000
11/29/1989:	0.0824	429.4317	289.349283	-0.0051	-0.0000
12/4/1989:	0.0827	429.4294	289.34675	-0.0076	-0.0001
12/5/1989:	0.0832	429.4294	289.34625	-0.0081	-0.0001
12/11/1989:	0.0800	429.4019	289.321866	-0.0325	-0.0002
12/13/1989:	0.0744	429.3371	289.262675	-0.0917	-0.0007
12/14/1989: 9AM	0.0649	429.3371	289.272183	-0.0822	-0.0006
12/14/1989: 11:30AM	0.0628	429.3371	289.274283	-0.0801	-0.0006
12/14/1989: 2PM	0.0614	429.3371	289.275733	-0.0787	-0.0006
12/14/1989: 4PM	0.0614	429.3371	289.275733	-0.0787	-0.0006
12/14/1989: 9PM	0.0616	429.3371	289.275458	-0.0789	-0.0006
12/15/1989: 11AM	0.0618	428.473	288.411225	-0.9432	-0.0067
12/15/1989: 1PM	0.0617	428.473	288.411275	-0.9431	-0.0067
12/15/1989: 1:15PM	0.0596	428.473	288.4134	-0.9410	-0.0067
12/15/1989: 4PM	0.0596	428.473	288.4134	-0.9410	-0.0067
12/15/1989: 4PM	0.0598	428.473	288.413158	-0.9412	-0.0067
12/16/1989: 10:30AM	0.0597	427.9001	287.840375	-1.5140	-0.0108
12/16/1989: 1:15PM	0.0605	427.9001	287.839608	-1.5148	-0.0108
12/16/1989: 3PM	0.0606	427.9001	287.839491	-1.5149	-0.0108
12/17/1989: 9AM	0.0664	427.9001	287.833708	-1.5207	-0.0109
12/17/1989: 3PM	0.0664	427.9001	287.833708	-1.5207	-0.0109
12/18/1989: 9AM	0.0690	427.9001	287.8311	-1.5233	-0.0109
12/19/1989: 9AM	0.5664	426.1251	285.558708	-3.7957	-0.0271
12/19/1989: 4:15PM	0.5768	426.1251	285.548291	-3.8061	-0.0272
12/20/1989: 10AM	0.5794	426.1251	285.545683	-3.8087	-0.0272
12/20/1989: 4PM	0.5794	426.1251	285.545683	-3.8087	-0.0272
12/27/1989: 6PM	0.5794	426.1251	285.545683	-3.8087	-0.0272
12/28/1989: 8AM	0.5716	425.8588	285.2872	-4.0672	-0.0291
12/28/1989: 4PM	0.5716	425.8588	285.2872	-4.0672	-0.0291
12/29/1989: 9AM	0.5690	425.8588	285.2898	-4.0646	-0.0290
1/11/1990: 9AM	0.2096	425.1535	284.943875	-4.4105	-0.0315
1/11/1990: 3PM	0.1940	425.1535	284.9595	-4.3949	-0.0314
1/19/1990: 11AM	0.0456	425.1535	285.107941	-4.2465	-0.0303
2/1/1990: 11AM	0.0325	424.9816	284.949058	-4.4053	-0.0315
3/9/1990: 3:30PM	0.0377	424.9816	284.94385	-4.4105	-0.0315
3/29/1990: 9AM	0.0221	424.9495	284.927375	-4.4270	-0.0316

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SALINE COUNTY - GALATIA SITE
 PANEL1
 "SHALLOW MPBX" AT CENTERLINE

ROD #6 (LENGTH = 120 FT)	ROD READING (FT)	SURFACE ELEVATION (FT)	ANCHOR ELEVATION (FT)	TOTAL ANCHOR CHANGE (FT)	STRAIN
11/8/1989:	0.0812	429.4406	309.359433	--	--
11/13/1989:	0.0811	429.4406	309.359516	0.0001	0.0000
11/21/1989:	0.0799	429.4406	309.360733	0.0013	0.0000
11/27/1989:	0.0779	429.4314	309.353525	-0.0059	-0.0000
11/29/1989:	0.0772	429.4317	309.354525	-0.0049	-0.0000
12/4/1989:	0.0774	429.4294	309.351983	-0.0075	-0.0001
12/5/1989:	0.0773	429.4294	309.352083	-0.0074	-0.0001
12/11/1989:	0.0744	429.4019	309.327483	-0.0319	-0.0003
12/13/1989:	0.0691	429.3371	309.267991	-0.0914	-0.0008
12/14/1989: 9AM	0.0600	429.3371	309.277091	-0.0823	-0.0007
12/14/1989: 11:30AM	0.0582	429.3371	309.278916	-0.0805	-0.0007
12/14/1989: 2PM	0.0572	429.3371	309.279925	-0.0795	-0.0007
12/14/1989: 4PM	0.0574	429.3371	309.279683	-0.0797	-0.0007
12/14/1989: 9PM	0.0580	429.3371	309.279083	-0.0804	-0.0007
12/15/1989: 11AM	0.0589	428.473	308.414125	-0.9453	-0.0079
12/15/1989: 1PM	0.0593	428.473	308.413708	-0.9457	-0.0079
12/15/1989: 1:15PM	0.0571	428.473	308.415941	-0.9435	-0.0079
12/15/1989: 4PM	0.0571	428.473	308.415941	-0.9435	-0.0079
12/15/1989: 4PM	0.0540	428.473	308.419025	-0.9404	-0.0078
12/16/1989: 10:30AM	0.0575	427.9001	307.842583	-1.5169	-0.0126
12/16/1989: 1:15PM	0.0594	427.9001	307.840691	-1.5187	-0.0127
12/16/1989: 3PM	0.0598	427.9001	307.840308	-1.5191	-0.0127
12/17/1989: 9AM	0.0625	427.9001	307.837625	-1.5218	-0.0127
12/17/1989: 3PM	0.0651	427.9001	307.835033	-1.5244	-0.0127
12/18/1989: 9AM	0.0677	427.9001	307.832416	-1.5270	-0.0127
12/19/1989: 9AM	0.5703	426.1251	305.554808	-3.8046	-0.0317
12/19/1989: 4:15PM	0.5781	426.1251	305.547	-3.8124	-0.0318
12/20/1989: 10AM	0.5807	426.1251	305.544391	-3.8150	-0.0318
12/20/1989: 4PM	0.5807	426.1251	305.544391	-3.8150	-0.0318
12/27/1989: 6PM	0.5729	426.1251	305.552208	-3.8072	-0.0317
12/28/1989: 8AM	0.5703	425.8588	305.288516	-4.0709	-0.0339
12/28/1989: 4PM	0.5677	425.8588	305.291116	-4.0683	-0.0339
12/29/1989: 9AM	0.5677	425.8588	305.291116	-4.0683	-0.0339
1/11/1990: 9AM	0.2005	425.1535	304.953	-4.4064	-0.0367
1/11/1990: 3PM	0.1875	425.1535	304.966025	-4.3934	-0.0366
1/19/1990: 11AM	0.0390	425.1535	305.114458	-4.2450	-0.0354
2/1/1990: 11AM	0.0234	424.9816	304.958183	-4.4013	-0.0367
3/9/1990: 3:30PM	0.0182	424.9816	304.963391	-4.3960	-0.0366
3/29/1990: 9AM	0.0130	424.9495	304.9365	-4.4229	-0.0369

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SALINE COUNTY - GALATIA SITE
 PANEL 1
 "DEEP MPBX" AT CENTERLINE

ROD #1 (LENGTH = 380 FT)	ROD READING (FT)	SURFACE ELEVATION (FT)	ANCHOR ELEVATION (FT)	TOTAL ANCHOR CHANGE (FT)	STRAIN
11/8/1989:	0.0834	429.4406	49.3571833	--	--
11/13/1989:	0.0834	429.4406	49.3571916	0.0000	0.0000
11/21/1989:	0.0834	429.4406	49.3571833	0.0000	0.0000
11/27/1989:	0.0789	429.4314	49.3525	-0.0047	-0.0000
11/29/1989:	0.0785	429.4317	49.3531583	-0.0040	-0.0000
12/4/1989:	0.0788	429.4294	49.3506083	-0.0066	-0.0000
12/5/1989:	0.0793	429.4294	49.3500833	-0.0071	-0.0000
12/11/1989:	0.0751	429.4019	49.3268333	-0.0304	-0.0001
12/13/1989:	0.0661	429.3371	49.2710166	-0.0862	-0.0002
12/14/1989: 9AM	0.0507	429.3371	49.2864166	-0.0708	-0.0002
12/14/1989: 11:30AM	0.0498	429.3371	49.2873333	-0.0698	-0.0002
12/14/1989: 2PM	0.0429	429.3371	49.2942083	-0.0630	-0.0002
12/14/1989: 4PM	0.0410	429.3371	49.2960583	-0.0611	-0.0002
12/14/1989: 9PM	0.0404	429.3371	49.2967333	-0.0604	-0.0002
12/15/1989: 4PM	0.0404	428.473	49.2967333	-0.0604	-0.0002
12/16/1989: 10:30AM	0.1833	427.9001	47.7168166	-1.6404	-0.0043
12/16/1989: 1:15PM	0.1815	427.9001	47.7186	-1.6386	-0.0043
12/16/1989: 3PM	0.1839	427.9001	47.7162166	-1.6410	-0.0043
12/17/1989: 9AM	0.1865	427.9001	47.7136166	-1.6436	-0.0043
12/17/1989: 3PM	0.1891	427.9001	47.7110083	-1.6462	-0.0043
12/18/1989: 9AM	0.1917	427.9001	47.7084083	-1.6488	-0.0043
12/19/1989: 9AM	0.4287	426.1251	45.696425	-3.6608	-0.0096
12/19/1989: 4:15PM	0.4209	426.1251	45.7042416	-3.6529	-0.0096
12/20/1989: 10AM	0.4183	426.1251	45.7068416	-3.6503	-0.0096
12/20/1989: 4PM	0.4157	426.1251	45.70945	-3.6477	-0.0096
12/27/1989: 6PM	0.3766	426.1251	45.7485083	-3.6087	-0.0095
12/28/1989: 8AM	0.3714	425.8588	45.4874166	-3.8698	-0.0102
12/28/1989: 4PM	0.3714	425.8588	45.4874166	-3.8698	-0.0102
12/29/1989: 9AM	0.3662	425.8588	45.492625	-3.8646	-0.0102
1/11/1990: 9AM	0.1344	425.1535	45.0191	-4.3381	-0.0114
1/11/1990: 3PM	0.1214	425.1535	45.0321166	-4.3251	-0.0114
1/19/1990: 11AM	0.0302	425.1535	45.1232666	-4.2339	-0.0111
2/1/1990: 11AM	0.0250	424.9816	44.956575	-4.4006	-0.0116
3/9/1990: 3:30PM	0.0172	424.9816	44.9643833	-4.3928	-0.0116
3/29/1990: 9AM	0.0172	424.9495	44.9322833	-4.4249	-0.0116

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SALINE COUNTY - GALATIA SITE
 PANEL 1
 "DEEP MPBX" AT CENTERLINE

ROD #2 (LENGTH = 360 FT)	ROD READING (FT)	SURFACE ELEVATION (FT)	ANCHOR ELEVATION (FT)	TOTAL ANCHOR CHANGE (FT)	STRAIN
11/8/1989:	0.0904	429.4406	69.350175	--	--
11/13/1989:	0.0905	429.4406	69.3501416	-0.0000	-0.0000
11/21/1989:	0.0898	429.4406	69.3507666	0.0006	0.0000
11/27/1989:	0.0862	429.4314	69.3452333	-0.0049	-0.0000
11/29/1989:	0.0859	429.4317	69.345825	-0.0044	-0.0000
12/4/1989:	0.0862	429.4294	69.343225	-0.0070	-0.0000
12/5/1989:	0.0860	429.4294	69.3433833	-0.0068	-0.0000
12/11/1989:	0.0832	429.4019	69.318725	-0.0315	-0.0001
12/13/1989:	0.0759	429.3371	69.2611916	-0.0890	-0.0002
12/14/1989: 9AM	0.0606	429.3371	69.2765333	-0.0736	-0.0002
12/14/1989: 11:30AM	0.0604	429.3371	69.2767416	-0.0734	-0.0002
12/14/1989: 2PM	0.0538	429.3371	69.28335	-0.0668	-0.0002
12/14/1989: 4PM	0.0519	429.3371	69.2851833	-0.0650	-0.0002
12/14/1989: 9PM	0.0507	429.3371	69.2863583	-0.0638	-0.0002
12/15/1989: 4PM	0.0507	428.473	68.4222583	-0.9279	-0.0026
12/16/1989: 10:30AM	0.1995	427.9001	67.7006	-1.6496	-0.0046
12/16/1989: 1:15PM	0.1972	427.9001	67.70285	-1.6473	-0.0046
12/16/1989: 3PM	0.1999	427.9001	67.7002416	-1.6499	-0.0046
12/17/1989: 9AM	0.2051	427.9001	67.6950333	-1.6551	-0.0046
12/17/1989: 3PM	0.2077	427.9001	67.6924333	-1.6577	-0.0046
12/18/1989: 9AM	0.2103	427.9001	67.689825	-1.6604	-0.0046
12/19/1989: 9AM	0.4420	426.1251	65.6830583	-3.6671	-0.0102
12/19/1989: 4:15PM	0.4342	426.1251	65.6908666	-3.6593	-0.0102
12/20/1989: 10AM	0.4290	426.1251	65.696075	-3.6541	-0.0102
12/20/1989: 4PM	0.5848	426.1251	65.5402583	-3.8099	-0.0106
12/27/1989: 6PM	0.5458	426.1251	65.5793166	-3.7709	-0.0105
12/28/1989: 8AM	0.3822	425.8588	65.47665	-3.8735	-0.0108
12/28/1989: 4PM	0.3822	425.8588	65.47665	-3.8735	-0.0108
12/29/1989: 9AM	0.3769	425.8588	65.4818583	-3.8683	-0.0107
1/11/1990: 9AM	0.1452	425.1535	65.0083333	-4.3418	-0.0121
1/11/1990: 3PM	0.1322	425.1535	65.02135	-4.3288	-0.0120
1/19/1990: 11AM	0.0410	425.1535	65.1125	-4.2377	-0.0118
2/1/1990: 11AM	0.0931	424.9816	64.8885166	-4.4617	-0.0124
3/9/1990: 3:30PM	0.0306	424.9816	64.9510166	-4.3992	-0.0122
3/29/1990: 9AM	0.0280	424.9495	64.9215166	-4.4287	-0.0123

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SALINE COUNTY - GALATIA SITE
 PANEL 1
 "DEEP MPBX" AT CENTERLINE

ROD #3 (LENGTH = 340 FT)	ROD READING (FT)	SURFACE ELEVATION (FT)	ANCHOR ELEVATION (FT)	TOTAL ANCHOR CHANGE (FT)	STRAIN
11/8/1989:	0.0976	429.4406	89.3429666	--	--
11/13/1989:	0.0976	429.4406	89.3429666	0.0000	0.0000
11/21/1989:	0.0970	429.4406	89.34365	0.0007	0.0000
11/27/1989:	0.0928	429.4314	89.3385833	-0.0044	-0.0000
11/29/1989:	0.0926	429.4317	89.3391083	-0.0039	-0.0000
12/4/1989:	0.0930	429.4294	89.3364	-0.0066	-0.0000
12/5/1989:	0.0927	429.4294	89.3366583	-0.0063	-0.0000
12/11/1989:	0.0909	429.4019	89.3109833	-0.0320	-0.0001
12/13/1989:	0.0843	429.3371	89.2528083	-0.0902	-0.0003
12/14/1989: 9AM	0.0700	429.3371	89.2670916	-0.0759	-0.0002
12/14/1989: 11:30AM	0.0708	429.3371	89.26635	-0.0766	-0.0002
12/14/1989: 2PM	0.0640	429.3371	89.2730666	-0.0699	-0.0002
12/14/1989: 4PM	0.0623	429.3371	89.2747916	-0.0682	-0.0002
12/14/1989: 9PM	0.0608	429.3371	89.276325	-0.0666	-0.0002
12/15/1989: 4PM	0.0608	428.473	88.412225	-0.9307	-0.0027
12/16/1989: 10:30AM	0.2010	427.9001	87.6990916	-1.6439	-0.0048
12/16/1989: 1:15PM	0.1995	427.9001	87.7005583	-1.6424	-0.0048
12/16/1989: 3PM	0.2016	427.9001	87.6985333	-1.6444	-0.0048
12/17/1989: 9AM	0.2068	427.9001	87.693325	-1.6496	-0.0049
12/17/1989: 3PM	0.2094	427.9001	87.6907166	-1.6523	-0.0049
12/18/1989: 9AM	0.2094	427.9001	87.6907166	-1.6523	-0.0049
12/19/1989: 9AM	0.4542	426.1251	85.670925	-3.6720	-0.0108
12/19/1989: 4:15PM	0.4490	426.1251	85.6761333	-3.6668	-0.0108
12/20/1989: 10AM	0.4438	426.1251	85.6813416	-3.6616	-0.0108
12/20/1989: 4PM	0.5938	426.1251	85.5312916	-3.8117	-0.0112
12/27/1989: 6PM	0.5548	426.1251	85.57035	-3.7726	-0.0111
12/28/1989: 8AM	0.3969	425.8588	85.4619166	-3.8811	-0.0114
12/28/1989: 4PM	0.3969	425.8588	85.4619166	-3.8811	-0.0114
12/29/1989: 9AM	0.3943	425.8588	85.464525	-3.8784	-0.0114
1/11/1990: 9AM	0.1547	425.1535	84.9988083	-4.3442	-0.0128
1/11/1990: 3PM	0.1417	425.1535	85.011825	-4.3311	-0.0127
1/19/1990: 11AM	0.0531	425.1535	85.1003666	-4.2426	-0.0125
2/1/1990: 11AM	0.0479	424.9816	84.933675	-4.4093	-0.0130
3/9/1990: 3:30PM	0.0401	424.9816	84.9414916	-4.4015	-0.0129
3/29/1990: 9AM	0.0375	424.9495	84.9119916	-4.4310	-0.0130

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SALINE COUNTY - GALATIA SITE
PANEL 1
"DEEP MPBX" AT CENTERLINE

ROD #4 (LENGTH = 320 FT)	ROD READING (FT)	SURFACE ELEVATION (FT)	ANCHOR ELEVATION (FT)	TOTAL ANCHOR CHANGE (FT)	STRAIN
11/8/1989:	0.0964	429.4406	109.344166	--	--
11/13/1989:	0.0964	429.4406	109.344191	0.0000	0.0000
11/21/1989:	0.0962	429.4406	109.344391	0.0002	0.0000
11/27/1989:	0.0928	429.4314	109.338566	-0.0056	-0.0000
11/29/1989:	0.0929	429.4317	109.338808	-0.0054	-0.0000
12/4/1989:	0.0931	429.4294	109.336316	-0.0079	-0.0000
12/5/1989:	0.0931	429.4294	109.336266	-0.0079	-0.0000
12/11/1989:	0.0908	429.4019	109.311066	-0.0331	-0.0001
12/13/1989:	0.0833	429.3371	109.253775	-0.0904	-0.0003
12/14/1989: 9AM	0.0683	429.3371	109.268816	-0.0753	-0.0002
12/14/1989: 11:30AM	0.0686	429.3371	109.268533	-0.0756	-0.0002
12/14/1989: 2PM	0.0610	429.3371	109.27615	-0.0680	-0.0002
12/14/1989: 4PM	0.0591	429.3371	109.277958	-0.0662	-0.0002
12/14/1989: 9PM	0.0589	429.3371	109.278158	-0.0660	-0.0002
12/15/1989: 4PM	0.0589	428.473	108.414058	-0.9301	-0.0029
12/16/1989: 10:30AM	0.2012	427.9001	107.698916	-1.6453	-0.0051
12/16/1989: 1:15PM	0.1995	427.9001	107.700641	-1.6435	-0.0051
12/16/1989: 3PM	0.2017	427.9001	107.698375	-1.6458	-0.0051
12/17/1989: 9AM	0.2043	427.9001	107.695775	-1.6484	-0.0052
12/17/1989: 3PM	0.2069	427.9001	107.693166	-1.6510	-0.0052
12/18/1989: 9AM	0.2069	427.9001	107.693166	-1.6510	-0.0052
12/19/1989: 9AM	0.4439	426.1251	105.681191	-3.6630	-0.0114
12/19/1989: 4:15PM	0.4335	426.1251	105.691608	-3.6526	-0.0114
12/20/1989: 10AM	0.4335	426.1251	105.691608	-3.6526	-0.0114
12/20/1989: 4PM	0.5727	426.1251	105.552416	-3.7918	-0.0118
12/27/1989: 6PM	0.5388	426.1251	105.586266	-3.7579	-0.0117
12/28/1989: 8AM	0.3892	425.8588	105.469575	-3.8746	-0.0121
12/28/1989: 4PM	0.3892	425.8588	105.469575	-3.8746	-0.0121
12/29/1989: 9AM	0.3840	425.8588	105.474783	-3.8694	-0.0121
1/11/1990: 9AM	0.1549	425.1535	104.99865	-4.3455	-0.0136
1/11/1990: 3PM	0.1470	425.1535	105.006466	-4.3377	-0.0136
1/19/1990: 11AM	0.0637	425.1535	105.0898	-4.2544	-0.0133
2/1/1990: 11AM	0.0559	424.9816	104.925716	-4.4184	-0.0138
3/9/1990: 3:30PM	0.0455	424.9816	104.936125	-4.4080	-0.0138
3/29/1990: 9AM	0.0481	424.9495	104.901425	-4.4427	-0.0139

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SALINE COUNTY - GALATIA SITE
PANEL 1
"DEEP MPBX" AT CENTERLINE

ROD #5 (LENGTH = 300 FT)	ROD READING (FT)	SURFACE ELEVATION (FT)	ANCHOR ELEVATION (FT)	TOTAL ANCHOR CHANGE (FT)	STRAIN
11/8/1989:	0.0897	429.4406	129.350883	--	--
11/13/1989:	0.0899	429.4406	129.35065	-0.0002	-0.0000
11/21/1989:	0.0895	429.4406	129.351116	0.0002	0.0000
11/27/1989:	0.0851	429.4314	129.346325	-0.0046	-0.0000
11/29/1989:	0.0851	429.4317	129.346616	-0.0043	-0.0000
12/4/1989:	0.0854	429.4294	129.343991	-0.0069	-0.0000
12/5/1989:	0.0850	429.4294	129.344358	-0.0065	-0.0000
12/11/1989:	0.0799	429.4019	129.322033	-0.0289	-0.0001
12/13/1989:	0.0713	429.3371	129.265783	-0.0851	-0.0003
12/14/1989: 9AM	0.0557	429.3371	129.281416	-0.0695	-0.0002
12/14/1989: 11:30AM	0.0561	429.3371	129.281016	-0.0699	-0.0002
12/14/1989: 2PM	0.0501	429.3371	129.287008	-0.0639	-0.0002
12/14/1989: 4PM	0.0486	429.3371	129.28855	-0.0623	-0.0002
12/14/1989: 9PM	0.0471	429.3371	129.29	-0.0609	-0.0002
12/15/1989: 4PM	0.0471	428.473	128.4259	-0.9250	-0.0031
12/16/1989: 10:30AM	0.1919	427.9001	127.708208	-1.6427	-0.0055
12/16/1989: 1:15PM	0.1908	427.9001	127.709291	-1.6416	-0.0055
12/16/1989: 3PM	0.1942	427.9001	127.705933	-1.6449	-0.0055
12/17/1989: 9AM	0.1968	427.9001	127.703333	-1.6475	-0.0055
12/17/1989: 3PM	0.1994	427.9001	127.700725	-1.6502	-0.0055
12/18/1989: 9AM	0.2020	427.9001	127.698125	-1.6528	-0.0055
12/19/1989: 9AM	0.4416	426.1251	125.683541	-3.6673	-0.0122
12/19/1989: 4:15PM	0.4285	426.1251	125.696558	-3.6543	-0.0122
12/20/1989: 10AM	0.4129	426.1251	125.7122	-3.6387	-0.0121
12/20/1989: 4PM	0.5897	426.1251	125.535433	-3.8155	-0.0127
12/27/1989: 6PM	0.5480	426.1251	125.5771	-3.7738	-0.0126
12/28/1989: 8AM	0.3739	425.8588	125.48495	-3.8659	-0.0129
12/28/1989: 4PM	0.3739	425.8588	125.48495	-3.8659	-0.0129
12/29/1989: 9AM	0.3713	425.8588	125.48755	-3.8633	-0.0129
1/11/1990: 9AM	0.1291	425.1535	125.024441	-4.3264	-0.0144
1/11/1990: 3PM	0.1212	425.1535	125.03225	-4.3186	-0.0144
1/19/1990: 11AM	0.0301	425.1535	125.1234	-4.2275	-0.0141
2/1/1990: 11AM	0.0249	424.9816	124.956708	-4.3942	-0.0146
3/9/1990: 3:30PM	0.0145	424.9816	124.967125	-4.3838	-0.0146
3/29/1990: 9AM	0.0145	424.9495	124.935025	-4.4159	-0.0147

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SALINE COUNTY - GALATIA SITE
 PANEL 1
 "DEEP MPBX" AT CENTERLINE

ROD #6 (LENGTH = 280 FT)	ROD READING (FT)	SURFACE ELEVATION (FT)	ANCHOR ELEVATION (FT)	TOTAL ANCHOR CHANGE (FT)	STRAIN
11/8/1989:	0.0870	429.4406	149.353591	--	--
11/13/1989:	0.0872	429.4406	149.353383	-0.0002	-0.0000
11/21/1989:	0.0871	429.4406	149.353516	-0.0001	-0.0000
11/27/1989:	0.0833	429.4314	149.348075	-0.0055	-0.0000
11/29/1989:	0.0829	429.4317	149.348825	-0.0048	-0.0000
12/4/1989:	0.0837	429.4294	149.345725	-0.0079	-0.0000
12/5/1989:	0.0836	429.4294	149.3458	-0.0078	-0.0000
12/11/1989:	0.0810	429.4019	149.320941	-0.0327	-0.0001
12/13/1989:	0.0786	429.3371	149.258516	-0.0951	-0.0003
12/14/1989: 9AM	0.0716	429.3371	149.265491	-0.0881	-0.0003
12/14/1989: 11:30AM	0.0714	429.3371	149.2657	-0.0879	-0.0003
12/14/1989: 2PM	0.0698	429.3371	149.267308	-0.0863	-0.0003
12/14/1989: 4PM	0.0691	429.3371	149.268016	-0.0856	-0.0003
12/14/1989: 9PM	0.0686	429.3371	149.268533	-0.0851	-0.0003
12/15/1989: 4PM	0.0686	428.473	148.404433	-0.9492	-0.0034
12/16/1989: 10:30AM	0.2203	427.9001	147.679816	-1.6738	-0.0060
12/16/1989: 1:15PM	0.2188	427.9001	147.6813	-1.6723	-0.0060
12/16/1989: 3PM	0.2208	427.9001	147.679308	-1.6743	-0.0060
12/17/1989: 9AM	0.2234	427.9001	147.676708	-1.6769	-0.0060
12/17/1989: 3PM	0.2286	427.9001	147.6715	-1.6821	-0.0060
12/18/1989: 9AM	0.2312	427.9001	147.668891	-1.6847	-0.0060
12/19/1989: 9AM	0.4942	426.1251	145.630875	-3.7227	-0.0133
12/19/1989: 4:15PM	0.4864	426.1251	145.638683	-3.7149	-0.0133
12/20/1989: 10AM	0.4864	426.1251	145.638683	-3.7149	-0.0133
12/20/1989: 4PM	0.6149	426.1251	145.510233	-3.8434	-0.0137
12/27/1989: 6PM	0.5784	426.1251	145.546691	-3.8069	-0.0136
12/28/1989: 8AM	0.4421	425.8588	145.416658	-3.9369	-0.0141
12/28/1989: 4PM	0.4395	425.8588	145.419258	-3.9343	-0.0141
12/29/1989: 9AM	0.4369	425.8588	145.421866	-3.9317	-0.0140
1/11/1990: 9AM	0.2078	425.1535	144.945733	-4.4079	-0.0157
1/11/1990: 3PM	0.2000	425.1535	144.953541	-4.4001	-0.0157
1/19/1990: 11AM	0.1192	425.1535	145.034275	-4.3193	-0.0154
2/1/1990: 11AM	0.1166	424.9816	144.864975	-4.4886	-0.0160
3/9/1990: 3:30PM	0.1036	424.9816	144.878	-4.4756	-0.0160
3/29/1990: 9AM	0.1010	424.9495	144.848475	-4.5051	-0.0161

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