APPENDIX B-5

Anomaly Map ID to Anomaly ID Correlation

Count	Map ID	Anomaly ID	Easting	Northing	Comments
1	0	S01-G01-A01	660739.85	1164326.99	
2	1	S01-G01-A02	660733.15	1164319.19	
3	2	S01-G01-A03	660732.98	1164316.90	
4	3	S01-G01-A04	660737.22	1164314.02	
5	4	S01-G01-A05	660762.82	1164302.40	
6	5	S01-G01-A06	660749.85	1164294.44	
7	6	S01-G01-A07	660783.55	1164297.23	
8	7	S01-G01-A08	660812.68	1164276.76	
9	8	S01-G01-A09	660797.72	1164260.70	
10	24	S01-G01-A10	660780.24	1164268.10	Upright flagpole (approximately 20') with concrete base
11	25	S01-G01-A11	660803.08	1164278.97	
12	26	S01-G01-A12	660796.93	1164255.34	
13	52	S01-G01-A13	660779.34	1164282.35	
14	50	S01-G01-A39	660732.84	1164243.06	
15	9	S01-G02-A01	660738.03	1164275.03	
16	10	S01-G02-A02	660739.61	1164269.04	
17	11	S01-G02-A03	660703.39	1164272.98	
18	12	S01-G02-A04	660702.60	1164267.15	
19	13	S01-G02-A05	660697.56	1164272.82	
20	14	S01-G02-A06	660732.84	1164255.03	
21	15	S01-G02-A07	660741.03	1164252.67	
22	16	S01-G02-A08	660698.66	1164261.64	
23	17	S01-G02-A09	660697.40	1164255.03	
24	18	S01-G02-A10	660701.18	1164256.92	
25	19	S01-G02-A11	660712.21	1164246.05	
26	20	S01-G02-A12	660719.13	1164248.26	
27	21	S01-G02-A13	660720.39	1164245.58	
28	22	S01-G02-A14	660731.58	1164247.47	
29	23	S01-G02-A15	660720.24	1164284.01	
30	27	S01-G02-A16	660743.23	1164261.01	
31	28	S01-G02-A17	660718.50	1164259.60	
32	29	S01-G02-A18	660714.88	1164262.43	
33	30	S01-G02-A19	660737.56	1164256.29	
34	31	S01-G02-A20	660737.56	1164251.72	
35	32	S01-G02-A21	660728.11	1164264.79	
36	33	S01-G02-A22	660689.37	1164262.43	
37	34	S01-G02-A23	660782.92	1164239.12	
38	35	S01-G02-A24	660782.13	1164232.98	
39	36	S01-G02-A25	660770.79	1164239.75	
40	37	S01-G02-A26	660735.99	1164227.94	
41	38	S01-G02-A27	660721.82	1164233.61	
42	39	S01-G02-A28	660725.44	1164229.99	
43	40	S01-G02-A29	660707.64	1164234.71	
44	41	S01-G02-A30	660709.69	1164224.63	
45	42	S01-G02-A31	660704.81	1164216.76	
46	43	S01-G02-A32	660709.53	1164215.50	
47	44	S01-G02-A33	660710.01	1164212.19	
48	45	S01-G02-A34	660739.46	1164214.55	
49	46	S01-G02-A35	660739.61	1164210.93	
50	47	S01-G02-A36	660712.52	1164197.55	
51	48	S01-G02-A37	660688.11	1164196.92	
52	49	S01-G02-A38	660710.32	1164229.83	
53	51	S01-G02-A40	660727.49	1164246.21	
54	53	S01-G02-A41	660696.31	1164232.26	
55	54	S01-G02-A42	660698.40	1164221.38	

Count	Map ID	Anomaly ID	Easting	Northing	Comments
56	55	S01-G02-A43	660672.01	1164222.42	
57	56	S01-G02-A44	660670.37	1164220.03	
58	57	S01-G02-A45	660664.56	1164224.21	
59	58	S01-G02-A46	660689.75	1164221.82	
60	59	S01-G02-A47	660701.97	1164204.53	
61	60	S01-G02-A48	660714.34	1164208.85	
62	69	S01-G04-A01	660622.53	1164114.35	
63	70	S01-G04-A02	660622.83	1164110.48	
64	72	S01-G04-A03	660596.00	1164106.45	possible associate with a surface wire
65	73	S01-G04-A04	660607.18	1164117.63	possible associate with a surface wire
66	74	S01-G04-A05	660650.56	1164062.03	
67	76	S01-G04-A06	660635.06	1164092.59	
68	77	S01-G04-A07	660658.31	1164072.02	
69	78	S01-G04-A08	660578.56	1164089.01	
70	79	S01-G04-A09	660600.48	1164086.77	
71	80	S01-G04-A10	660589.15	1164091.69	possible associate with a surface wire
72	81	S01-G04-A11	660590.79	1164085.88	possible associate with a surface wire
73	82	S01-G04-A12	660590.49	1164080.66	possible associate with a surface wire
74	83	S01-G04-A13	660603.91	1164091.84	
75	84	S01-G04-A14	660612.40	1164090.35	
76	85	S01-G04-A15	660610.91	1164069.93	
77	86	S01-G04-A16	660612.70	1164085.28	
78	87	S01-G04-A17	660589.15	1164104.21	possible associate with a surface wire
79	88	S01-G04-A18	660587.37	1164063.22	
80	89	S01-G04-A19	660587.37	1164055.47	
81	90	S01-G04-A20	660587.52	1164047.57	
82	91	S01-G04-A21	660583.19	1164064.11	
83	92	S01-G04-A22	660583.49	1164030.58	
84	95	S01-G04-A23	660615.09	1164027.74	
85	96	S01-G04-A24	660615.39	1164031.92	
86	97	S01-G04-A25	660625.08	1164028.64	
87	98	S01-G04-A26	660648.48	1164040.71	
88	99	S01-G04-A27	660653.40	1164038.77	
89	100	S01-G04-A28	660653.10	1164042.95	
90	106	S01-G04-A29	660659.36	1164052.79	
91	123	S01-G04-A30	660597.51	1164015.38	
92	126	S01-G04-A31	660609.43	1164014.04	
93	128	S01-G04-A32	660586.18	1164038.48	
94	132	S01-G04-A33	660618.83	1164005.84	
95	133	S01-G04-A34	660604.52	1164020.60	
96	134	S01-G04-A35	660599.15	1164035.50	
97	136	S01-G04-A36	660553.24	1164051.75	
98	137	S01-G04-A37	660555.18	1164054.28	
99	101	S01-G04-A40	660651.31	1164032.51	Same as target S01-G04-A38, A39, A41,S01-G09-A42
100	71	S01-G04-A42	660586.76	1164113.61	
101	124	S01-G04-A43	660603.17	1164009.57	
102	125	S01-G04-A44	660605.11	1164008.07	
103	131	S01-G04-A45	660611.52	1164004.20	
104	93	S01-G04-A46	660584.24	1164022.83	
105	94	S01-G05-A01	660567.39	1164027.15	
106	113	S01-G05-A02	660559.50	1164034.46	
107	114	S01-G05-A03	660573.96	1164016.72	
108	115	S01-G05-A04	660580.07	1164011.50	
109	116	S01-G05-A05	660566.50	1164008.97	
110	117	S01-G05-A06	660561.88	1164008.37	

Count	Map ID	Anomaly ID	Easting	Northing	Comments
111	118	S01-G05-A07	660547.42	1164012.84	
112	119	S01-G05-A08	660552.79	1164003.01	
113	120	S01-G05-A09	660582.31	1163998.39	
114	121	S01-G05-A10	660591.70	1164001.37	
115	122	S01-G05-A11	660595.57	1163991.53	
116	127	S01-G05-A12	660584.39	1164013.29	
117	129	S01-G05-A13	660581.11	1163991.68	
118	130	S01-G05-A14	660538.93	1164029.84	
119	138	S01-G05-A15	660552.94	1163971.86	
120	139	S01-G05-A16	660558.60	1163974.39	
121	140	S01-G05-A17	660548.47	1163965.00	
122	141	S01-G05-A18	660549.81	1163958.29	
123	142	S01-G05-A19	660513.14	1163952.48	
124	143	S01-G05-A20	660506.28	1163965.15	associated with a mound as marked in the field notes
125	144	S01-G05-A21	660502.85	1163964.70	associated with a mound as marked in the field notes
126	145	S01-G05-A22	660500.62	1163969.92	associated with a mound as marked in the field notes
127	146	S01-G05-A23	660502.26	1163972.60	associated with a mound as marked in the field notes
128	147	S01-G05-A24	660576.64	1163957.70	
129	148	S01-G05-A25	660577.09	1163952.93	
130	149	S01-G05-A26	660581.26	1163955.16	
131	150	S01-G05-A27	660580.66	1163949.05	
132	151	S01-G05-A28	660579.47	1163940.70	
133	152	S01-G05-A29	660576.19	1163933.70	
134	153	S01-G05-A30	660566.06	1163932.80	
135	154	S01-G05-A31	660562.03	1163931.31	
136	155	S01-G05-A32	660565.61	1163928.78	
137	156	S01-G05-A33	660598.25	1163958.14	
138	164	S01-G05-A34	660588.86	1163944.28	
139	165	S01-G05-A35	660609.28	1163974.54	
140	166	S01-G05-A36	660587.52	1163991.68	
141	167	S01-G05-A37	660530.13	1163938.47	
142	135	S01-G05-A38	660517.91	1164012.70	
143	204	S01-G08-A01	660755.47	1164042.33	
144	205	S01-G08-A02	660771.27	1164046.44	
145	206	S01-G08-A03	660763.27	1164033.72	
146	209	S01-G08-A04	660780.30	1164065.73	
147	210	S01-G08-A05	660769.84	1164076.81	
148	211	S01-G08-A06	660755.06	1164083.17	
149	212	S01-G08-A07	660753.01	1164074.96	
150	213	S01-G08-A08	660737.41	1164050.13	
151	214	S01-G08-A09	660736.39	1164063.27	
152	215	S01-G08-A10	660735.36	1164067.58	
153	216	S01-G08-A11	660771.27	1164055.47	
154	218	S01-G08-A12	660727.36	1164066.96	
155	219	S01-G08-A13	660715.04	1164066.96	
156	220	S01-G08-A14	660696.37	1164080.30	
157	221	S01-G08-A15	660694.93	1164078.04	
158	222	S01-G08-A16	660698.22	1164074.14	
159	224	S01-G08-A17	660702.94	1164087.28	
160	225	S01-G08-A18	660703.96	1164082.35	
161	227	S01-G08-A19	660699.04	1164067.99	
162	228	S01-G08-A20	660729.00	1164048.29	
163	189	S01-G08-A21	660715.25	1163969.69	
164	230	S01-G08-A22	660785.23	1164056.08	
165	231	S01-G08-A23	660715.66	1164108.82	

Count	Map ID	Anomaly ID	Easting	Northing	Comments
166	232	S01-G08-A24	660726.54	1164104.30	
167	233	S01-G08-A25	660726.54	1164098.56	
168	234	S01-G08-A26	660735.36	1164107.18	
169	235	S01-G08-A27	660734.95	1164101.84	
170	236	S01-G08-A28	660734.54	1164087.48	
171	237	S01-G08-A29	660767.78	1164128.72	
172	238	S01-G08-A30	660788.31	1164100.20	
173	239	S01-G08-A31	660763.06	1164134.88	
174	240	S01-G08-A32	660752.60	1164139.60	
175	241	S01-G08-A33	660747.88	1164125.65	
176	242	S01-G08-A34	660750.75	1164119.70	possible association with barbed-wire
177	243	S01-G08-A35	660767.78	1164111.69	
178	244	S01-G08-A36	660771.89	1164112.51	
179	245	S01-G08-A37	660777.02	1164110.46	
180	246	S01-G08-A38	660777.02	1164105.74	
181	247	S01-G08-A39	660751.78	1164104.30	
182	248	S01-G08-A40	660756.09	1164102.05	
183	249	S01-G08-A41	660761.83	1164104.71	possible association with barbed-wire
184	250	S01-G08-A42	660746.65	1164101.23	
185	251	S01-G08-A43	660745.21	1164111.49	
186	252	S01-G08-A44	660787.48	1164089.32	
187	253	S01-G08-A45	660768.60	1164092.61	possible association with barbed-wire
188	254	S01-G08-A46	660795.49	1164083.99	
189	255	S01-G08-A47	660706.01	1164093.84	
190	226	S01-G08-A48	660703.96	1164061.01	Same as target S01-G09-A43
191	208	S01-G08-A49	660778.25	1164040.69	
192	207	S01-G08-A50	660769.63	1164028.79	
193	75	S01-G09-A01	660682.91	1164055.47	
194	102	S01-G09-A02	660652.51	1164025.21	
195	103	S01-G09-A03	660679.79	1164034.00	
196	104	S01-G09-A04	660684.11	1164035.05	
197	105	S01-G09-A05	660678.29	1164017.61	
198	107	S01-G09-A06	660673.38	1164041.76	
199	108	S01-G09-A07	660686.94	1164048.61	
200	109	S01-G09-A08	660695.88	1164049.21	
201	110	S01-G09-A09	660680.98	1164067.69	
202	111	S01-G09-A10	660680.98	1164061.73	
203	112	S01-G09-A11	660672.63	1164058.45	
204	178	S01-G09-A12	660688.37	1163965.79	
205	179	S01-G09-A13	660714.43	1163958.20	
206	180	S01-G09-A14	660711.36	1163991.03	
207	181	S01-G09-A15	660714.64	1163992.47	
208	182	S01-G09-A16	660728.59	1163976.25	
209	183	S01-G09-A17	660723.26	1163972.77	
210	184	S01-G09-A18	660728.39	1163972.15	
211	185	S01-G09-A19	660672.57	1163995.75	
212	186	S01-G09-A20	660668.88	1164004.78	
213	187	S01-G09-A21	660696.79	1163973.38	
214	188	S01-G09-A22	660710.53	1163949.37	
215	229	S01-G09-A23	660715.25	1164076.40	
216	190	S01-G09-A24	660643.22	1164001.91	
217	191	S01-G09-A25	660635.84	1163996.37	
218	192	S01-G09-A26	660691.86	1164007.24	
219	193	S01-G09-A27	660684.27	1164009.70	
220	194	S01-G09-A28	660669.70	1164009.91	

Count	Map ID	Anomaly ID	Easting	Northing	Comments
221	195	S01-G09-A29	660644.45	1164009.29	
222	196	S01-G09-A30	660702.33	1163964.56	
223	197	S01-G09-A31	660698.84	1163963.33	
224	199	S01-G09-A32	660691.03	1164018.53	
225	200	S01-G09-A33	660690.42	1164022.63	
226	201	S01-G09-A34	660698.22	1164029.20	
227	202	S01-G09-A35	660697.81	1164033.10	
228	203	S01-G09-A36	660711.97	1164032.28	
229	217	S01-G09-A37	660729.82	1164041.72	
230	223	S01-G09-A38	660698.83	1164062.86	
231	256	S01-G09-A39	660708.71	1164053.03	
232	257	S01-G09-A40	660703.77	1164052.01	
233	258	S01-G09-A41	660696.37	1164053.97	
234	157	S01-G10-A01	660622.55	1163963.21	
235	158	S01-G10-A02	660607.64	1163940.26	
236	159	S01-G10-A03	660616.29	1163935.34	
237	160	S01-G10-A04	660623.74	1163950.09	
238	161	S01-G10-A05	660623.30	1163933.25	
239	162	S01-G10-A06	660602.28	1163928.33	
240	163	S01-G10-A07	660599.00	1163938.77	
241	168	S01-G10-A08	660615.72	1163888.84	linear anomaly associated with barbed wire
242	169	S01-G10-A09	660636.65	1163899.51	
243	170	S01-G10-A10	660639.93	1163899.71	
244	171	S01-G10-A11	660647.73	1163937.68	
245	172	S01-G10-A12	660649.37	1163939.93	
246	173	S01-G10-A13	660656.15	1163914.90	
247	174	S01-G10-A14	660656.56	1163952.45	
248	175	S01-G10-A15	660690.42	1163937.88	
249	176	S01-G10-A16	660684.26	1163933.57	
250	177	S01-G10-A17	660657.17	1163960.46	
251	198	S01-G10-A18	660673.80	1163953.68	
252	61	S01-G18-A01	660640.12	1164222.86	
253	62	S01-G18-A02	660627.60	1164196.63	
254	63	S01-G18-A03	660631.92	1164198.57	
255	64	S01-G18-A04	660618.80	1164201.99	
256	65	S01-G18-A05	660609.56	1164162.64	
257	66	S01-G18-A06	660606.73	1164157.13	
258	67	S01-G18-A07	660597.04	1164153.25	
259	68	S01-G18-A08	660600.62	1164135.67	
260	115	S02-G06-A01	661290.01	1163973.17	
261	116	S02-G06-A02	661273.37	1163990.71	
262	118	S02-G06-A03	661299.00	1163966.52	
263	120	S02-G06-A04	661284.96	1163944.71	
264	121	S02-G06-A05	661287.78	1163942.74	
265	122	S02-G06-A06	661338.25	1163920.60	
266	123	S02-G06-A07	661325.14	1163914.82	
267	125	S02-G06-A08	661303.02	1163959.23	
268	126	S02-G06-A09	661358.70	1163964.73	
269	127	S02-G06-A10	661350.24	1163977.70	
270	128	S02-G06-A11	661348.83	1163973.19	
271	129	S02-G06-A12	661305.13	1163977.56	
272	117	S02-G06-A13	661271.48	1163964.41	
273	124	S02-G06-A14	661311.04	1163907.77	
274	114	S02-G06-A15	661266.04	1163999.58	
275	88	S02-G07-A01	661344.25	1164090.54	

Count	Map ID	Anomaly ID	Easting	Northing	Comments
276	89	S02-G07-A02	661350.84	1164080.16	
277	90	S02-G07-A03	661325.43	1164082.97	
278	91	S02-G07-A04	661330.56	1164080.29	
279	92	S02-G07-A05	661318.23	1164066.00	
280	93	S02-G07-A06	661341.68	1164061.97	
281	94	S02-G07-A07	661319.69	1164100.80	
282	95	S02-G07-A08	661354.74	1164055.13	
283	97	S02-G07-A09	661337.16	1164076.87	
284	98	S02-G07-A10	661347.53	1164039.99	
285	99	S02-G07-A11	661282.80	1164022.53	
286	100	S02-G07-A12	661285.98	1164021.31	
287	101	S02-G07-A13	661283.66	1164016.55	
288	102	S02-G07-A14	661283.90	1164013.25	
289	96	S02-G07-A16	661355.96	1164062.94	
290	47	S02-G08-A02	661305.13	1164206.21	
291	46	S02-G08-S01	661319.81	1164201.50	
292	48	S02-G08-S03	661288.57	1164204.89	
293	49	S02-G08-S04	661289.42	1164198.77	
294	50	S02-G08-S05	661283.77	1164194.16	
295	54	S02-G08-S06	661256.30	1164179.21	
296	55	S02-G08-S07	661260.94	1164175.30	
297	56	S02-G08-S08	661256.30	1164173.34	
298	57	S02-G08-S09	661259.60	1164183.60	
299	58	S02-G08-S10	661265.58	1164149.04	
300	59	S02-G08-S11	661270.47	1164145.26	
301	60	S02-G08-S12	661286.83	1164172.98	
302	61	S02-G08-S13	661290.98	1164168.46	
303	64	S02-G08-S14	661293.19	1164173.59	
304	65	S02-G08-S15	661300.89	1164153.07	
305	66	S02-G08-S16	661302.23	1164149.78	
306	67	S02-G08-S17	661331.17	1164168.46	
307	68	S02-G08-S18	661327.75	1164179.33	
308	69	S02-G08-S19	661334.11	1164181.29	
309	70	S02-G08-S20	661303.94	1164167.85	
310	71	S02-G08-S21	661298.44	1164166.14	
311	72	S02-G08-S22	661301.98	1164163.33	
312	74	S02-G08-S23	661283.30	1164137.93	
313	75	S02-G08-S24	661294.53	1164131.95	
314	76	S02-G08-S25	661282.69	1164132.56	
315	77	S02-G08-S26	661341.56	1164120.96	
316	78	S02-G08-S27	661344.61	1164117.42	
317	80	S02-G08-S28	661289.65	1164114.85	
318	81	S02-G08-S29	661286.97	1164117.42	
319	82	S02-G08-S30	661264.49	1164123.03	
320	83	S02-G08-S31	661266.94	1164110.46	
321	84	S02-G08-S32	661276.46	1164109.72	
322	85	S02-G08-S33	661272.43	1164112.65	
323	86	S02-G08-S34	661274.75	1164115.46	
324	87	S02-G08-S35	661282.45	1164125.71	
325	45	S02-G08-S36	661319.06	1164211.47	
326	79	S02-G08-S37	661330.81	1164113.26	Same as target S02-G07-A15
327	73	S02-G08-S38	661341.31	1164149.17	
328	0	S02-G10-A01	661268.15	1164327.61	
329	1	S02-G10-A02	661266.92	1164324.12	
330	2	S02-G10-A03	661273.98	1164319.23	

Count	Map ID	Anomaly ID	Easting	Northing	Comments
331	4	S02-G10-A04	661277.65	1164307.28	
332	5	S02-G10-A05	661259.30	1164313.30	
333	6	S02-G10-A06	661267.49	1164306.34	
334	7	S02-G10-A07	661268.99	1164302.01	
335	8	S02-G10-A08	661264.85	1164303.89	
336	9	S02-G10-A09	661260.24	1164300.22	
337	10	S02-G10-A10	661282.07	1164290.34	
338	11	S02-G10-A11	661284.99	1164292.50	
339	12	S02-G10-A12	661280.57	1164287.42	
340	13	S02-G10-A13	661257.32	1164306.43	
341	14	S02-G10-A14	661345.70	1164287.98	
342	15	S02-G10-A15	661342.87	1164287.14	
343	16	S02-G10-A16	661314.83	1164269.44	
344	17	S02-G10-A17	661299.77	1164271.14	
345	18	S02-G10-A18	661295.91	1164267.65	
346	19	S02-G10-A19	661303.54	1164265.68	
347	20	S02-G10-A20	661299.40	1164260.69	
348	21	S02-G10-A21	661266.08	1164279.80	
349	22	S02-G10-A22	661264.20	1164273.12	
350	23	S02-G10-A23	661276.90	1164272.75	
351	24	S02-G10-A24	661272.20	1164273.22	
352	25	S02-G10-A25	661240.39	1164254.58	
353	26	S02-G10-A26	661258.26	1164251.19	
354	27	S02-G10-A27	661259.77	1164248.28	
355	28	S02-G10-A28	661269.27	1164253.55	
356	29	S02-G10-A29	661270.78	1164247.80	
357	30	S02-G10-A30	661275.20	1164246.77	
358	31	S02-G10-A31	661278.97	1164249.22	
359	32	S02-G10-A32	661279.91	1164246.30	
360	33	S02-G10-A33	661300.05	1164242.06	
361	34	S02-G10-A34	661322.64	1164239.62	
362	44	S02-G10-A34	661322.64	1164221.17	possible surface wire, same as target S02-G10-A41
363	35	S02-G10-A35	661323.39	1164241.88	
364	36	S02-G10-A36	661324.24	1164236.79	
365	37	S02-G10-A37	661273.42	1164252.79	
366	40	S02-G10-A38	661327.81	1164237.92	
367	41	S02-G10-A39	661315.11	1164221.92	possible associate with a surface wire
368	43	S02-G10-A40	661329.98	1164217.78	possible associate with a surface wire
369	3	S02-G10-A42	661294.50	1164327.04	
370	38	S02-G10-A43	661285.28	1164227.85	
371	39	S02-G10-A44	661294.97	1164224.65	
372	119	S02-G12-A01	661250.98	1163936.67	
373	103	S02-G13-A01	661223.17	1164054.62	
374	104	S02-G13-A02	661225.02	1164059.19	
375	105	S02-G13-A03	661228.31	1164055.90	
376	106	S02-G13-A04	661247.28	1164061.90	
377	107	S02-G13-A05	661222.46	1164068.17	
378	108	S02-G13-A06	661220.03	1164043.64	
379	111	S02-G13-A07	661235.30	1164058.19	
380	112	S02-G13-A08	661256.94	1164022.44	
381	113	S02-G13-A09	661255.50	1164017.34	
382	51	S02-G16-A01	661224.54	1164178.96	
383	52	S02-G16-A02	661226.38	1164169.31	
384	53	S02-G16-A03	661231.51	1164173.34	
385	62	S02-G16-A04	661211.96	1164142.08	

Count	Map ID	Anomaly ID	Easting	Northing	Comments
386	63	S02-G16-A05	661197.19	1164172.25	
387	109	S02-G16-A06	661238.58	1164103.70	
388	110	S02-G16-A07	661217.61	1164107.26	
389	4	S03-G02-A01	659921.60	1164898.47	
390	5	S03-G02-A02	659922.02	1164895.48	
391	12	S03-G02-A03	659882.10	1164863.40	
392	13	S03-G02-A04	659882.81	1164860.54	
393	14	S03-G02-A05	659906.05	1164875.80	
394	15	S03-G02-A06	659902.92	1164870.67	
395	16	S03-G02-A07	659899.21	1164856.41	
396	17	S03-G02-A08	659903.77	1164852.42	
397	20	S03-G02-A09	659960.10	1164916.72	
398	21	S03-G02-A10	659956.40	1164918.86	
399	32	S03-G02-A11	659978.36	1164866.96	
400	33	S03-G02-A12	659979.07	1164861.40	
401	34	S03-G02-A13	659984.20	1164864.68	
402	35	S03-G02-A14	659989.05	1164862.68	
403	92	S03-G02-A15	659988.36	1164836.66	
404	93	S03-G02-A16	659999.98	1164837.86	
405	94	S03-G02-A17	659991.13	1164832.98	
406	108	S03-G02-A18	659949.12	1164831.15	
407	109	S03-G02-A19	659939.28	1164800.26	
408	3	S03-G02-A20	659920.31	1164901.33	Same as target S03-G28-A10
409	415	S03-G02-A20	660043.95	1164601.56	
410	37	S03-G02-A21	659988.05	1164868.67	
411	96	S03-G03-A01	659985.41	1164818.32	
412	100	S03-G03-A02	659993.43	1164804.03	
413	104	S03-G03-A03	659981.17	1164806.52	
414	106	S03-G03-A04	660009.29	1164825.23	
415	107	S03-G03-A05	660006.52	1164822.93	
416	110	S03-G03-A06	659955.41	1164796.71	
417	137	S03-G03-A07	660017.59	1164793.34	
418	138	S03-G03-A08	660017.89	1164796.10	
419	140	S03-G03-A09	659972.08	1164776.33	
420	143	S03-G03-A10	659962.51	1164751.46	
421	144	S03-G03-A11	659965.24	1164756.11	
422	145	S03-G03-A12	660031.38	1164767.59	
423	146	S03-G03-A13	660027.28	1164760.75	
424	147	S03-G03-A14	660030.56	1164758.84	
425	155	S03-G03-A15	660000.72	1164742.45	
426	156	S03-G03-A16	660000.83	1164737.90	
427	157	S03-G03-A17	660016.76	1164745.59	
428	163	S03-G03-A18	659968.00	1164719.15	
429	164	S03-G03-A19	659972.22	1164716.66	
430	165	S03-G03-A20	659981.11	1164712.33	
431	166	S03-G03-A21	659987.18	1164721.64	
432	167	S03-G03-A22	659979.48	1164728.14	
433	168	S03-G03-A23	659982.73	1164734.00	
434	169	S03-G03-A24	659986.85	1164731.18	
435	170	S03-G03-A25	659988.15	1164736.70	
436	171	S03-G03-A26	660009.06	1164738.44	
437	172	S03-G03-A27	660014.27	1164737.46	
438	173	S03-G03-A28	660021.09	1164736.27	
439	178	S03-G03-A29	660000.94	1164720.99	
440	180	S03-G03-A30	659992.81	1164720.67	

Count	Map ID	Anomaly ID	Easting	Northing	Comments
441	181	S03-G03-A31	659995.30	1164724.03	
442	182	S03-G03-A32	660006.46	1164724.68	
443	195	S03-G03-A33	659954.24	1164729.66	
444	201	S03-G03-A34	659962.91	1164713.51	
445	211	S03-G03-A35	659966.81	1164726.51	
446	95	S03-G03-A36	659982.83	1164820.90	
447	98	S03-G03-A37	659973.43	1164815.18	
448	99	S03-G03-A38	659970.29	1164813.43	
449	177	S03-G03-A40	660019.36	1164727.60	Same as target S03-G04-A55
450	151	S03-G04-A01	660048.51	1164738.22	
451	152	S03-G04-A02	660052.95	1164741.80	Same as target S03-G07-A51
452	154	S03-G04-A03	660058.48	1164736.05	
453	158	S03-G04-A04	660026.73	1164716.33	
454	159	S03-G04-A05	660029.76	1164715.25	
455	160	S03-G04-A06	660026.08	1164728.47	
456	161	S03-G04-A07	660036.59	1164713.41	
457	162	S03-G04-A08	660037.67	1164717.96	
458	174	S03-G04-A09	660045.36	1164708.75	
459	175	S03-G04-A10	660045.15	1164714.06	
460	176	S03-G04-A11	660011.77	1164717.63	
461	183	S03-G04-A12	660018.71	1164721.86	
462	184	S03-G04-A13	660058.15	1164700.08	
463	185	S03-G04-A14	660061.18	1164704.31	
464	186	S03-G04-A15	659978.94	1164702.79	
465	187	S03-G04-A16	659981.65	1164700.41	
466	188	S03-G04-A17	660007.55	1164704.09	
467	189	S03-G04-A18	660036.80	1164696.07	
468	203	S03-G04-A19	660002.57	1164689.78	
469	204	S03-G04-A20	659998.77	1164679.38	
470	205	S03-G04-A21	660003.54	1164680.57	
471	206	S03-G04-A22	660015.89	1164678.95	
472	207	S03-G04-A23	660017.30	1164676.02	
473	276	S03-G04-A24	660076.45	1164702.84	
474	289	S03-G04-A25	660091.18	1164672.10	
475	290	S03-G04-A26	660093.63	1164668.87	
476	292	S03-G04-A27	660077.49	1164682.69	
477	308	S03-G04-A28	660080.97	1164656.34	
478	355	S03-G04-A29	660063.74	1164692.63	
479	356	S03-G04-A30	660063.32	1164686.86	
480	357	S03-G04-A31	660069.30	1164674.91	
481	358	S03-G04-A32	660056.11	1164678.62	
482	359	S03-G04-A33	660036.84	1164675.94	
483	360	S03-G04-A34	660027.26	1164677.38	
484	361	S03-G04-A35	660031.17	1164670.58	
485	362	S03-G04-A36	660036.64	1164666.25	
486	363	S03-G04-A37	660043.95	1164661.61	
487	364	S03-G04-A38	660036.74	1164657.18	
488	365	S03-G04-A39	660038.70	1164653.68	
489	366	S03-G04-A40	660049.72	1164669.65	
490	367	S03-G04-A41	660049.93	1164678.31	
491	368	S03-G04-A42	660071.77	1164659.86	
492	369	S03-G04-A43	660063.53	1164659.86	
493	370	S03-G04-A44	660062.29	1164655.12	
494	371	S03-G04-A45	660065.18	1164650.79	
495	372	S03-G04-A46	660068.06	1164644.71	

Count	Map ID	Anomaly ID	Easting	Northing	Comments
496	373	S03-G04-A47	660072.70	1164646.98	
497	374	S03-G04-A48	660017.06	1164658.32	
498	375	S03-G04-A49	660057.76	1164686.96	
499	376	S03-G04-A50	660000.37	1164671.40	
500	383	S03-G04-A51	660058.79	1164638.22	
501	454	S03-G04-A52	660068.42	1164707.54	
502	455	S03-G04-A53	660070.39	1164716.09	
503	456	S03-G04-A54	660032.29	1164725.78	
504	179	S03-G04-A56	660005.60	1164719.15	
505	153	S03-G04-A57	660049.92	1164744.07	Same as target S03-G03-A39
506	453	S03-G04-A58	660066.46	1164724.28	
507	307	S03-G04-A59	660087.68	1164650.66	Same as target S03-G05-A57
508	310	S03-G05-A01	660114.92	1164634.00	
509	327	S03-G05-A02	660126.42	1164607.65	
510	328	S03-G05-A03	660111.18	1164621.21	
511	329	S03-G05-A04	660106.14	1164618.11	
512	330	S03-G05-A05	660082.51	1164608.81	
513	331	S03-G05-A06	660077.60	1164614.37	
514	332	S03-G05-A07	660075.28	1164617.34	
515	333	S03-G05-A08	660110.40	1164600.03	
516	334	S03-G05-A09	660107.18	1164611.40	
517	341	S03-G05-A10	660134.68	1164575.23	
518	343	S03-G05-A11	660108.98	1164570.70	
519	344	S03-G05-A12	660134.55	1164593.05	
520	345	S03-G05-A13	660138.69	1164588.66	
521	346	S03-G05-A14	660139.07	1164584.01	
522	381	S03-G05-A15	660042.20	1164618.44	
523	386	S03-G05-A16	660034.58	1164614.62	
524	387	S03-G05-A17	660036.02	1164612.25	
525	388	S03-G05-A18	660046.84	1164612.25	
526	414	S03-G05-A19	660043.31	1164596.83	
527	416	S03-G05-A21	660054.55	1164601.81	
528	417	S03-G05-A22	660063.75	1164575.62	
529	418	S03-G05-A23	660063.75	1164569.75	
530	419	S03-G05-A24	660047.14	1164568.98	
531	420	S03-G05-A25	660047.91	1164562.34	
532	421	S03-G05-A26	660050.08	1164559.01	
533	422	S03-G05-A27	660055.57	1164559.53	
534	423	S03-G05-A28	660057.10	1164565.91	
535	426	S03-G05-A29	660069.75	1164544.58	
536	427	S03-G05-A30	660068.86	1164540.87	
537	428	S03-G05-A31	660070.90	1164530.40	
538	429	S03-G05-A32	660081.50	1164537.30	
539	430	S03-G05-A33	660073.71	1164588.01	
540	431	S03-G05-A34	660085.59	1164588.52	
541	432	S03-G05-A35	660081.89	1164586.35	
542	433	S03-G05-A36	660080.23	1164581.37	
543	434	S03-G05-A37	660082.78	1164577.41	
544	435	S03-G05-A38	660089.94	1164578.43	
545	436	S03-G05-A39	660089.43	1164570.89	
546	437	S03-G05-A40	660074.48	1164561.70	
547	438	S03-G05-A41	660084.44	1164558.50	
548	439	S03-G05-A42	660083.55	1164555.69	
549	440	S03-G05-A43	660089.94	1164559.14	
550	441	S03-G05-A44	660088.66	1164554.80	

Count	Map ID	Anomaly ID	Easting	Northing	Comments
551	442	S03-G05-A45	660097.35	1164550.20	
552	444	S03-G05-A46	660108.33	1164564.89	
553	445	S03-G05-A47	660108.84	1164561.31	
554	446	S03-G05-A48	660111.27	1164560.16	
555	447	S03-G05-A49	660113.70	1164557.10	
556	448	S03-G05-A50	660116.77	1164590.82	
557	449	S03-G05-A51	660121.97	1164562.88	
558	450	S03-G05-A52	660097.27	1164617.97	
559	451	S03-G05-A53	660072.12	1164591.62	
560	382	S03-G05-A56	660057.97	1164633.79	Associated with target S02-G05-A54, S02-G05-A55
561	311	S03-G05-A58	660117.90	1164629.87	
562	342	S03-G05-A59	660145.53	1164570.06	
563	443	S03-G05-A60	660097.99	1164542.53	
564	509	S03-G06-A01	659970.00	1164952.01	
565	19	S03-G07-A01	659973.79	1164924.00	
566	22	S03-G07-A02	659995.75	1164928.27	
567	23	S03-G07-A03	660000.17	1164925.56	
568	24	S03-G07-A04	660000.46	1164930.13	
569	25	S03-G07-A05	660013.86	1164926.28	
570	26	S03-G07-A06	659998.60	1164884.50	
571	27	S03-G07-A07	660000.89	1164882.07	
572	28	S03-G07-A08	660009.87	1164887.49	
573	29	S03-G07-A09	660010.87	1164890.34	
574	30	S03-G07-A10	660006.30	1164887.92	
575	31	S03-G07-A11	660009.01	1164892.48	
576	36	S03-G07-A12	659993.76	1164864.11	
577	38	S03-G07-A13	660008.02	1164864.96	
578	39	S03-G07-A14	660010.58	1164861.97	
579	40	S03-G07-A15	660001.17	1164861.11	
580	41	S03-G07-A16	660013.01	1164859.26	
581	42	S03-G07-A17	660016.43	1164885.64	
582	43	S03-G07-A18	660042.81	1164925.85	
583	44	S03-G07-A19	660042.24	1164922.14	
584	45	S03-G07-A20	660035.96	1164927.56	
585	46	S03-G07-A21	660036.39	1164922.71	
586	47	S03-G07-A22	660034.68	1164914.73	
587	48	S03-G07-A23	660044.23	1164913.01	
588	49	S03-G07-A24	660042.95	1164909.16	
589	50	S03-G07-A25	660042.52	1164905.31	
590	51	S03-G07-A26	660046.37	1164904.32	
591	52	S03-G07-A27	660047.94	1164899.90	
592	53	S03-G07-A28	660049.94	1164896.62	
593	54	S03-G07-A29	660031.69	1164898.75	
594	55	S03-G07-A30	660036.39	1164896.05	
595	56	S03-G07-A31	660038.53	1164886.35	
596	57	S03-G07-A32	660043.24	1164884.21	
597	58	S03-G07-A33	660038.82	1164876.94	
598	59	S03-G07-A34	660025.98	1164872.80	
599	60	S03-G07-A35	660026.70	1164867.38	
600	61	S03-G07-A36	660022.42	1164859.54	
601	62	S03-G07-A37	660023.56	1164855.69	
602	63	S03-G07-A38	660022.70	1164869.38	
603	64	S03-G07-A39	660022.99	1164916.01	
604	65	S03-G07-A40	660063.49	1164898.33	
605	66	S03-G07-A41	660050.51	1164916.58	

Count	Map ID	Anomaly ID	Easting	Northing	Comments
606	68	S03-G07-A42	660032.83	1164855.69	
607	69	S03-G07-A43	660032.54	1164882.93	
608	70	S03-G07-A44	660065.92	1164925.56	
609	71	S03-G07-A45	660065.63	1164920.71	
610	72	S03-G07-A46	660074.90	1164906.73	
611	73	S03-G07-A47	660070.91	1164914.86	
612	508	S03-G07-A48	660062.99	1164936.45	
613	510	S03-G07-A49	660045.74	1164951.65	
614	511	S03-G07-A50	660027.77	1164920.41	
615	76	S03-G07-A51	660068.63	1164868.38	
616	103	S03-G07-A52	660003.76	1164840.35	Same as target S03-G02-A22
617	67	S03-G08-A01	660066.91	1164860.68	
618	77	S03-G08-A02	660071.48	1164867.38	
619	78	S03-G08-A03	660080.03	1164862.67	
620	79	S03-G08-A04	660071.19	1164857.40	
621	80	S03-G08-A05	660070.19	1164859.82	
622	81	S03-G08-A06	660092.87	1164854.54	
623	82	S03-G08-A07	660100.57	1164859.11	
624	83	S03-G08-A08	660103.42	1164863.24	
625	84	S03-G08-A09	660105.27	1164858.25	
626	97	S03-G08-A10	660012.98	1164828.64	
627	101	S03-G08-A11	660030.22	1164824.49	
628	102	S03-G08-A12	660028.83	1164821.54	
629	111	S03-G08-A13	660065.91	1164841.84	
630	112	S03-G08-A14	660081.88	1164838.70	
631	113	S03-G08-A15	660088.34	1164844.61	
632	114	S03-G08-A16	660089.17	1164841.66	
633	115	S03-G08-A17	660087.97	1164837.96	
634	116	S03-G08-A18	660100.07	1164842.76	
635	117	S03-G08-A19	660105.88	1164842.30	
636	118	S03-G08-A20	660107.73	1164839.16	
637	119	S03-G08-A21	660108.47	1164826.15	
638	120	S03-G08-A22	660068.22	1164832.24	
639	121	S03-G08-A23	660067.11	1164829.29	
640	122	S03-G08-A24	660076.44	1164829.29	
641	123	S03-G08-A25	660079.85	1164826.52	
642	124	S03-G08-A26	660079.48	1164817.75	
643	125	S03-G08-A27	660084.19	1164816.64	
644	126	S03-G08-A28	660093.24	1164822.55	
645	127	S03-G08-A29	660101.64	1164819.22	
646	128	S03-G08-A30	660056.87	1164827.25	
647	129	S03-G08-A31	660058.62	1164819.04	
648	130	S03-G08-A32	660060.28	1164815.07	
649	131	S03-G08-A33	660068.96	1164813.87	
650	132	S03-G08-A34	660072.37	1164812.95	
651	133	S03-G08-A35	660079.76	1164807.41	
652	134	S03-G08-A36	660081.05	1164797.90	
653	135	S03-G08-A37	660057.51	1164801.31	
654	136	S03-G08-A38	660061.20	1164798.73	
655	139	S03-G08-A39	660030.94	1164796.99	
656	148	S03-G08-A40	660062.54	1164771.41	
657	149	S03-G08-A41	660075.11	1164760.75	
658	212	S03-G08-A42	660119.70	1164806.43	
659	213	S03-G08-A43	660119.57	1164812.37	
660	214	S03-G08-A44	660114.67	1164808.24	

Count	Map ID	Anomaly ID	Easting	Northing	Comments
661	217	S03-G08-A45	660138.95	1164797.91	
662	225	S03-G08-A46	660090.78	1164784.74	
663	226	S03-G08-A47	660088.06	1164781.51	
664	228	S03-G08-A48	660109.89	1164781.89	
665	229	S03-G08-A49	660104.21	1164786.93	
666	230	S03-G08-A50	660104.08	1164794.42	
667	231	S03-G08-A51	660092.45	1164790.93	
668	232	S03-G08-A52	660092.84	1164797.26	
669	233	S03-G08-A53	660098.14	1164788.87	
670	150	S03-G08-A54	660061.99	1164752.28	
671	227	S03-G08-A55	660109.63	1164777.76	
672	216	S03-G08-A56	660125.13	1164827.36	
673	105	S03-G08-A57	660023.30	1164807.71	
674	218	S03-G09-A01	660137.53	1164784.35	
675	219	S03-G09-A02	660140.75	1164777.89	
676	220	S03-G09-A03	660141.40	1164782.54	
677	221	S03-G09-A04	660142.05	1164785.90	
678	222	S03-G09-A05	660130.68	1164785.12	
679	223	S03-G09-A06	660131.71	1164763.17	
680	224	S03-G09-A07	660130.16	1164760.71	
681	234	S03-G09-A08	660104.59	1164768.85	
682	235	S03-G09-A09	660096.07	1164766.78	
683	236	S03-G09-A10	660095.30	1164762.26	
684	237	S03-G09-A11	660091.94	1164763.17	
685	238	S03-G09-A12	660110.92	1164760.71	
686	239	S03-G09-A13	660134.95	1164751.93	
687	240	S03-G09-A14	660139.72	1164746.37	
688	241	S03-G09-A15	660135.85	1164741.34	
689	242	S03-G09-A16	660162.07	1164754.64	
690	243	S03-G09-A17	660091.94	1164757.09	
691	244	S03-G09-A18	660098.66	1164756.06	
692	245	S03-G09-A19	660088.58	1164748.18	
693	246	S03-G09-A20	660086.26	1164743.66	
694	247	S03-G09-A21	660095.94	1164747.41	
695	248	S03-G09-A22	660094.91	1164741.60	
696	249	S03-G09-A23	660101.11	1164740.17	
697	250	S03-G09-A24	660124.88	1164739.52	
698	251	S03-G09-A25	660122.55	1164736.04	
699	252	S03-G09-A26	660125.39	1164733.32	
700	253	S03-G09-A27	660165.04	1164729.06	
701	254	S03-G09-A28	660161.94	1164723.51	
702	255	S03-G09-A29	660158.84	1164735.52	
703	256	S03-G09-A30	660103.70	1164730.48	
704	257	S03-G09-A31	660103.57	1164725.70	
705	258	S03-G09-A32	660084.20	1164738.23	
706	259	S03-G09-A33	660082.78	1164734.23	
707	260	S03-G09-A34	660081.10	1164728.80	
708	261	S03-G09-A35	660079.94	1164722.86	
709	262	S03-G09-A36	660077.35	1164713.69	
710	263	S03-G09-A37	660079.55	1164717.57	
711	264	S03-G09-A38	660111.32	1164708.79	
712	265	S03-G09-A39	660113.64	1164712.53	
713	266	S03-G09-A40	660118.03	1164703.49	
714	267	S03-G09-A41	660113.38	1164704.52	
715	268	S03-G09-A42	660146.32	1164710.46	

Count	Map ID	Anomaly ID	Easting	Northing	Comments
716	269	S03-G09-A43	660146.45	1164714.47	
717	270	S03-G09-A44	660153.03	1164717.18	
718	271	S03-G09-A45	660166.08	1164712.66	
719	272	S03-G09-A46	660183.51	1164709.17	
720	274	S03-G09-A47	660148.51	1164704.14	
721	275	S03-G09-A48	660140.38	1164705.43	
722	277	S03-G09-A49	660097.50	1164704.14	
723	278	S03-G09-A50	660121.14	1164688.24	
724	279	S03-G09-A51	660153.29	1164691.47	
725	286	S03-G09-A52	660106.16	1164680.75	
726	287	S03-G09-A53	660108.48	1164675.20	
727	288	S03-G09-A54	660109.00	1164687.08	
728	293	S03-G09-A55	660110.03	1164668.22	
729	452	S03-G09-A56	660062.54	1164743.33	
730	273	S03-G09-A57	660186.61	1164713.31	
731	280	S03-G09-A58	660153.55	1164687.60	
732	284	S03-G09-A59	660142.19	1164681.53	
733	285	S03-G09-A60	660138.44	1164679.59	
734	281	S03-G10-A01	660185.58	1164670.55	
735	282	S03-G10-A02	660181.06	1164672.74	
736	283	S03-G10-A03	660179.51	1164675.97	
737	291	S03-G10-A04	660130.57	1164666.80	
738	294	S03-G10-A05	660169.57	1164664.35	
739	295	S03-G10-A06	660118.68	1164660.61	
740	296	S03-G10-A07	660159.75	1164655.31	
741	297	S03-G10-A08	660180.28	1164653.50	
742	298	S03-G10-A09	660189.84	1164663.06	
743	299	S03-G10-A10	660154.32	1164644.20	
744	300	S03-G10-A11	660138.44	1164647.05	
745	301	S03-G10-A12	660136.24	1164651.57	
746	302	S03-G10-A13	660148.12	1164671.97	
747	303	S03-G10-A14	660150.58	1164665.13	
748	304	S03-G10-A15	660152.77	1164659.06	
749	305	S03-G10-A16	660124.49	1164641.62	
750	309	S03-G10-A17	660120.48	1164634.26	
751	312	S03-G10-A18	660130.42	1164620.05	
752	313	S03-G10-A19	660149.54	1164622.37	
753	314	S03-G10-A20	660158.06	1164622.12	
754	315	S03-G10-A21	660163.48	1164622.25	
755	316	S03-G10-A22	660162.58	1164618.63	
756	317	S03-G10-A23	660160.00	1164613.72	
757	318	S03-G10-A24	660183.63	1164621.47	
758	319	S03-G10-A25	660155.99	1164609.33	
759	320	S03-G10-A26	660155.22	1164627.93	
760	321	S03-G10-A27	660145.79	1164604.94	
761	322	S03-G10-A28	660140.62	1164606.49	
762	323	S03-G10-A29	660153.28	1164601.71	
763	324	S03-G10-A30	660155.99	1164601.32	
764	325	S03-G10-A31	660141.14	1164600.55	
765	326	S03-G10-A32	660146.05	1164599.00	
766	335	S03-G10-A33	660196.54	1164615.13	
767	336	S03-G10-A34	660194.09	1164611.65	
768	337	S03-G10-A35	660161.03	1164588.01	
769	338	S03-G10-A36	660166.45	1164590.46	
770	339	S03-G10-A37	660168.00	1164587.75	

Count	Map ID	Anomaly ID	Easting	Northing	Comments
771	340	S03-G10-A38	660159.35	1164582.20	
772	347	S03-G10-A39	660154.57	1164617.84	
773	348	S03-G10-A40	660201.97	1164613.71	
774	349	S03-G10-A41	660198.23	1164688.05	
775	350	S03-G10-A42	660212.51	1164664.55	
776	351	S03-G10-A43	660195.25	1164659.49	
777	352	S03-G10-A44	660194.34	1164655.86	
778	353	S03-G10-A45	660168.50	1164660.14	
779	354	S03-G10-A46	660169.54	1164672.21	
780	306	S03-G10-A47	660114.68	1164640.20	
781	74	S03-G19-A01	660099.57	1164926.98	
782	75	S03-G19-A02	660101.71	1164902.46	
783	85	S03-G19-A03	660110.69	1164885.06	
784	86	S03-G19-A04	660115.40	1164882.07	
785	87	S03-G19-A05	660116.97	1164889.05	
786	88	S03-G19-A06	660118.39	1164892.05	
787	89	S03-G19-A07	660100.85	1164920.28	
788	90	S03-G19-A08	660104.13	1164919.00	
789	91	S03-G19-A09	660107.13	1164923.56	
790	457	S03-G19-A10	660164.42	1164894.47	
791	458	S03-G19-A11	660197.21	1164894.47	
792	459	S03-G19-A12	660196.59	1164890.43	
793	460	S03-G19-A13	660185.71	1164871.00	
794	461	S03-G19-A14	660168.61	1164863.85	
795	462	S03-G19-A15	660170.48	1164858.10	
796	463	S03-G19-A16	660164.88	1164852.35	
797	464	S03-G19-A17	660161.93	1164854.68	
798	466	S03-G19-A18	660154.62	1164854.52	
799	467	S03-G19-A19	660147.32	1164859.65	
800	468	S03-G19-A20	660142.34	1164864.32	
801	469	S03-G19-A21	660140.32	1164853.59	
802	470	S03-G19-A22	660133.79	1164848.15	
803	471	S03-G19-A23	660126.80	1164849.08	
804	474	S03-G19-A24	660122.91	1164858.57	
805	475	S03-G19-A25	660124.00	1164865.25	
806	476	S03-G19-A26	660130.53	1164865.09	
807	477	S03-G19-A27	660133.02	1164871.78	
808	478	S03-G19-A28	660147.32	1164874.11	
809	479	S03-G19-A29	660145.92	1164878.62	
810	480	S03-G19-A30	660130.99	1164879.24	
811	481	S03-G19-A31	660135.81	1164881.73	
812	482	S03-G19-A32	660129.44	1164882.04	
813	483	S03-G19-A33	660132.08	1164891.83	
814	484	S03-G19-A34	660136.12	1164889.03	
815	485	S03-G19-A35	660155.55	1164903.80	
816	486	S03-G19-A36	660183.69	1164905.82	
817	487	S03-G19-A37	660178.87	1164908.00	
818	488	S03-G19-A38	660130.53	1164858.57	
819	489	S03-G19-A39	660138.77	1164848.00	
820	490	S03-G19-A40	660158.51	1164866.18	
821	491	S03-G19-A41	660126.18	1164876.29	
822	492	S03-G19-A42	660137.37	1164893.85	
823	493	S03-G19-A43	660122.76	1164896.19	
824	494	S03-G19-A44	660145.61	1164912.97	
825	495	S03-G19-A45	660146.85	1164924.48	

Count	Map ID	Anomaly ID	Easting	Northing	Comments
826	496	S03-G19-A46	660142.50	1164927.43	
827	497	S03-G19-A47	660146.23	1164932.87	
828	498	S03-G19-A48	660161.31	1164937.69	
829	499	S03-G19-A49	660172.50	1164925.72	
830	500	S03-G19-A50	660167.22	1164919.19	
831	501	S03-G19-A51	660170.64	1164912.97	
832	502	S03-G19-A52	660137.06	1164926.03	
833	503	S03-G19-A53	660119.34	1164934.89	
834	504	S03-G19-A54	660146.39	1164941.11	
835	505	S03-G19-A55	660146.70	1164952.15	
836	506	S03-G19-A56	660153.54	1164949.51	
837	507	S03-G19-A57	660170.48	1164933.97	
838	472	S03-G19-A58	660133.48	1164833.85	
839	473	S03-G19-A59	660140.01	1164837.74	
840	233	S03-G19-A60	660123.39	1163931.37	
841	465	S03-G19-A61	660161.31	1164849.86	
842	379	S03-G22-A01	659986.46	1164650.69	
843	380	S03-G22-A02	659991.09	1164649.86	
844	385	S03-G22-A03	659983.88	1164615.14	
845	391	S03-G22-A04	659923.39	1164614.79	
846	392	S03-G22-A05	659948.19	1164617.46	
847	393	S03-G22-A06	659949.30	1164610.67	
848	394	S03-G22-A07	659927.39	1164584.98	
849	395	S03-G22-A08	659983.56	1164592.21	
850	396	S03-G22-A09	659982.56	1164586.31	
851	397	S03-G22-A10	659977.78	1164586.31	
852	398	S03-G22-A11	659980.67	1164596.43	
853	399	S03-G22-A12	659955.75	1164611.01	
854	400	S03-G22-A13	659929.22	1164576.39	
855	401	S03-G22-A14	659971.12	1164554.03	
856	402	S03-G22-A15	659963.58	1164548.79	
857	403	S03-G22-A16	659956.18	1164542.40	
858	404	S03-G22-A17	659963.58	1164533.21	
859	405	S03-G22-A18	659973.81	1164541.25	
860	406	S03-G22-A19	659931.14	1164588.91	
861	407	S03-G22-A20	659945.57	1164584.69	
862	408	S03-G22-A21	659987.47	1164569.10	
863	409	S03-G22-A22	659987.86	1164608.97	
864	410	S03-G22-A23	660021.46	1164589.80	
865	411	S03-G22-A24	660020.57	1164586.61	
866	412	S03-G22-A25	660021.72	1164583.29	
867	413	S03-G22-A26	660026.19	1164571.79	
868	425	S03-G22-A27	659996.55	1164605.26	
869	384	S03-G22-A28	660010.46	1164621.32	Same as target S03-G04-A60
870	424	S03-G22-A29	660036.28	1164571.92	
871	208	S03-G24-A01	659964.21	1164683.50	
872	209	S03-G24-A02	659964.21	1164679.27	
873	377	S03-G24-A03	659979.96	1164665.42	
874	378	S03-G24-A04	659981.92	1164652.13	
875	389	S03-G24-A05	659973.37	1164666.88	
876	390	S03-G24-A06	659968.11	1164667.80	
877	141	S03-G25-A01	659928.07	1164759.39	
878	142	S03-G25-A02	659937.91	1164746.27	
879	190	S03-G25-A03	659940.04	1164723.81	
880	191	S03-G25-A04	659945.90	1164722.61	

Count	Map ID	Anomaly ID	Easting	Northing	Comments
881	192	S03-G25-A05	659946.00	1164726.08	
882	193	S03-G25-A06	659950.77	1164723.59	
883	196	S03-G25-A07	659944.92	1164713.73	
884	197	S03-G25-A08	659951.31	1164712.86	
885	198	S03-G25-A09	659952.29	1164715.90	
886	199	S03-G25-A10	659957.16	1164712.32	
887	194	S03-G25-A13	659951.20	1164727.06	Same as target S03-G25-A14, A15, A18
888	200	S03-G25-A19	659956.95	1164716.44	
889	202	S03-G25-A20	659964.86	1164702.68	
890	210	S03-G25-A21	659950.66	1164700.62	
891	11	S03-G26-A01	659877.96	1164859.40	
892	1	S03-G28-A01	659906.91	1164902.04	
893	2	S03-G28-A02	659915.61	1164902.18	
894	6	S03-G28-A03	659938.57	1164919.58	
895	7	S03-G28-A04	659917.46	1164922.57	
896	8	S03-G28-A05	659914.61	1164923.57	
897	9	S03-G28-A06	659910.19	1164921.15	
898	10	S03-G28-A07	659920.88	1164924.57	
899	18	S03-G28-A08	659943.70	1164919.44	
900	0	S03-G28-A09	659883.81	1164908.74	
901	0	S04-G01-A01	660330.39	1165989.01	Same as target #114, #115
902	114	S04-G01-A01	660330.39	1165989.01	Same as target #0, #115
903	115	S04-G01-A01	660330.39	1165989.01	Same as target #0, #114
904	1	S04-G01-A02	660358.66	1165993.20	
905	2	S04-G01-A03	660399.92	1165977.70	
906	3	S04-G01-A04	660397.62	1165974.98	
907	4	S04-G01-A05	660364.74	1165973.51	
908	5	S04-G01-A06	660362.22	1165969.95	
909	6	S04-G01-A07	660384.63	1165958.43	
910	7	S04-G01-A08	660387.35	1165961.78	
911	8	S04-G01-A09	660406.41	1165953.62	
912	10	S04-G01-A10	660417.51	1165938.96	
913	11	S04-G01-A11	660409.55	1165937.91	
914	12	S04-G01-A12	660412.07	1165932.67	
915	13	S04-G01-A13	660373.95	1165938.96	
916	14	S04-G01-A14	660368.09	1165936.86	
917	15	S04-G01-A15	660365.57	1165934.56	
918	16	S04-G01-A16	660361.39	1165955.71	
919	19	S04-G01-A17	660327.67	1165935.61	
920	20	S04-G01-A18	660328.72	1165929.95	
921	21	S04-G01-A19	660336.67	1165935.19	
922	22	S04-G01-A20	660338.98	1165931.63	
923	23	S04-G01-A21	660342.54	1165933.30	
924	24	S04-G01-A22	660346.10	1165942.52	
925	25	S04-G01-A23	660342.12	1165944.61	
926	26	S04-G01-A24	660344.42	1165946.70	
927	27	S04-G01-A25	660376.46	1165983.15	
928	28	S04-G01-A26	660317.62	1165919.69	
929	29	S04-G01-A27	660400.34	1165904.40	
930	31	S04-G01-A28	660405.37	1165976.23	
931	17	S04-G01-A29	660322.22	1165957.39	
932	18	S04-G01-A30	660321.80	1165960.95	
933	9	S04-G01-A31	660420.23	1165945.45	
934	42	S04-G03-A01	660427.35	1166039.48	
935	43	S04-G03-A02	660423.79	1166041.79	

Count	Map ID	Anomaly ID	Easting	Northing	Comments
936	44	S04-G03-A03	660424.00	1166037.81	
937	45	S04-G03-A04	660400.55	1166040.32	
938	46	S04-G03-A05	660384.84	1166042.42	
939	47	S04-G03-A06	660396.98	1166086.40	
940	48	S04-G03-A07	660380.02	1166067.76	
941	49	S04-G03-A08	660384.00	1166065.45	
942	50	S04-G03-A09	660380.23	1166063.36	
943	51	S04-G03-A10	660362.01	1166036.34	
944	52	S04-G03-A11	660356.57	1166045.98	
945	53	S04-G03-A12	660358.24	1166066.08	
946	54	S04-G03-A13	660383.16	1166046.82	
947	55	S04-G03-A14	660369.97	1166045.77	
948	56	S04-G03-A15	660370.60	1166041.16	
949	57	S04-G03-A16	660374.37	1166043.88	
950	58	S04-G03-A17	660360.54	1166050.17	
951	59	S04-G03-A18	660352.59	1166048.49	
952	60	S04-G03-A19	660348.82	1166053.94	
953	40	S04-G03-A20	660446.41	1166031.94	Same as target S04-G10-A11
954	41	S04-G03-A21	660443.48	1166028.80	
955	66	S04-G04-A01	660393.21	1166128.08	
956	67	S04-G04-A02	660402.64	1166123.47	
957	69	S04-G04-A03	660447.04	1166130.38	
958	70	S04-G04-A04	660446.83	1166124.31	
959	71	S04-G04-A05	660452.06	1166129.54	
960	72	S04-G04-A06	660446.41	1166112.16	
961	81	S04-G04-A07	660427.99	1166147.76	
962	85	S04-G04-A08	660501.29	1166172.06	
963	86	S04-G04-A09	660416.05	1166146.72	
964	87	S04-G04-A10	660424.43	1166118.65	
965	88	S04-G04-A11	660402.23	1166165.36	
966	89	S04-G04-A12	660407.88	1166171.22	
967	90	S04-G04-A13	660420.66	1166198.86	
968	91	S04-G04-A14	660415.42	1166192.16	
969	98	S04-G04-A15	660428.20	1166198.86	
970	99	S04-G04-A16	660423.17	1166186.51	
971	65	S04-G04-A17	660471.12	1166087.03	
972	83	S04-G04-A19	660495.63	1166142.95	
973	101	S04-G04-A20	660466.73	1166196.56	Same as target S04-G11-A17
974	68	S04-G04-A21	660415.20	1166111.53	
975	92	S04-G05-A01	660451.02	1166230.49	
976	93	S04-G05-A02	660450.19	1166235.31	
977	96	S04-G05-A03	660497.73	1166194.47	
978	97	S04-G05-A04	660498.36	1166189.23	
979	100	S04-G05-A05	660463.80	1166203.26	
980	102	S04-G05-A06	660509.45	1166190.28	
981	103	S04-G05-A07	660447.05	1166212.48	
982	104	S04-G05-A08	660435.32	1166218.55	
983	105	S04-G05-A09	660435.53	1166222.95	
984	106	S04-G05-A10	660430.08	1166233.63	
985	107	S04-G05-A11	660530.61	1166236.14	
986	108	S04-G05-A12	660478.04	1166270.70	
987	109	S04-G05-A13	660474.27	1166268.82	
988	110	S04-G05-A14	660473.22	1166273.84	
989	111	S04-G05-A15	660458.14	1166299.61	
990	113	S04-G05-A16	660483.90	1166298.56	

Count	Map ID	Anomaly ID	Easting	Northing	Comments
991	112	S04-G07-A01	660502.75	1166343.80	
992	30	S04-G10-A01	660442.64	1166005.97	
993	32	S04-G10-A02	660448.09	1165994.04	
994	33	S04-G10-A03	660465.47	1165984.61	
995	35	S04-G10-A04	660485.16	1166036.55	
996	36	S04-G10-A05	660481.39	1166028.80	
997	37	S04-G10-A06	660475.52	1166016.45	
998	38	S04-G10-A07	660461.49	1166017.91	
999	39	S04-G10-A08	660463.17	1166014.56	
1000	61	S04-G10-A09	660474.05	1166048.28	
1001	62	S04-G10-A10	660474.68	1166062.73	
1002	78	S04-G10-A12	660515.94	1166065.46	Same as target S04-G11-A19
1003	64	S04-G11-A01	660485.78	1166085.98	
1004	73	S04-G11-A02	660540.24	1166137.08	
1005	74	S04-G11-A03	660514.27	1166114.05	
1006	75	S04-G11-A04	660518.45	1166112.16	
1007	76	S04-G11-A05	660526.41	1166125.36	
1008	77	S04-G11-A06	660498.77	1166087.87	
1009	79	S04-G11-A07	660509.87	1166075.72	
1010	80	S04-G11-A08	660540.03	1166128.29	
1011	84	S04-G11-A09	660506.94	1166149.44	
1012	63	S04-G11-A12	660479.50	1166082.42	Same as S04-G11-A10, A11, A13, A14, A16, A18
1013	82	S04-G11-A20	660500.66	1166150.07	Same as target S04-G04-A18
1014	94	S04-G12-A01	660545.06	1166214.36	
1015	95	S04-G12-A02	660544.43	1166188.81	
1016	34	S04-G16-A01	660487.04	1165972.67	
1017	24	S05-G04-A01	660484.84	1164231.28	
1018	32	S05-G04-A02	660549.34	1164207.03	
1019	33	S05-G04-A03	660532.02	1164208.02	
1020	34	S05-G04-A04	660518.98	1164204.89	
1021	35	S05-G04-A05	660539.11	1164197.30	
1022	36	S05-G04-A06	660498.37	1164208.68	
1023	37	S05-G04-A07	660498.53	1164204.23	
1024	38	S05-G04-A08	660488.14	1164205.22	
1025	39	S05-G04-A09	660487.15	1164209.18	
1026	40	S05-G04-A10	660484.34	1164200.60	
1027	41	S05-G04-A11	660464.55	1164203.90	
1028	43	S05-G04-A12	660460.09	1164185.10	
1029	44	S05-G04-A13	660454.65	1164171.08	
1030	45	S05-G04-A14	660450.03	1164177.35	
1031	46	S05-G04-A15	660443.10	1164165.14	
1032	47	S05-G04-A16	660466.69	1164161.35	
1033	48	S05-G04-A17	660485.83	1164172.40	
1034	49	S05-G04-A18	660522.78	1164164.98	
1035	50	S05-G04-A19	660526.57	1164166.30	
1036	51	S05-G04-A20	660538.94	1164179.82	
1037	53	S05-G04-A21	660507.27	1164135.28	
1038	54	S05-G04-A22	660509.58	1164135.28	
1039	55	S05-G04-A23	660505.13	1164131.82	
1040	56	S05-G04-A24	660546.03	1164188.40	
1041	57	S05-G04-A25	660527.89	1164142.05	
1042	58	S05-G04-A26	660530.53	1164178.83	
1043	23	S05-G04-A27	660507.60	1164240.19	
1044	42	S05-G04-A28	660459.77	1164199.45	
1045	52	S05-G04-A29	660555.93	1164168.94	

Count	Map ID	Anomaly ID	Easting	Northing	Comments
1046	0	S05-G05-A01	660536.80	1164314.10	
1047	1	S05-G05-A02	660547.02	1164325.81	
1048	2	S05-G05-A03	660550.16	1164321.85	
1049	3	S05-G05-A04	660550.98	1164326.80	
1050	5	S05-G05-A05	660564.01	1164290.84	
1051	6	S05-G05-A06	660575.89	1164264.44	
1052	7	S05-G05-A07	660591.07	1164273.02	
1053	8	S05-G05-A08	660591.23	1164268.90	
1054	9	S05-G05-A09	660599.31	1164274.51	
1055	10	S05-G05-A10	660599.64	1164270.38	
1056	11	S05-G05-A11	660597.33	1164279.62	
1057	12	S05-G05-A12	660544.88	1164268.40	
1058	13	S05-G05-A13	660564.67	1164271.37	
1059	14	S05-G05-A14	660593.71	1164259.66	
1060	15	S05-G05-A15	660597.33	1164255.04	
1061	16	S05-G05-A16	660596.84	1164251.08	
1062	19	S05-G05-A17	660547.68	1164289.68	
1063	20	S05-G05-A18	660530.03	1164246.63	
1064	21	S05-G05-A19	660529.87	1164241.18	
1065	22	S05-G05-A20	660526.41	1164245.14	
1066	25	S05-G05-A21	660529.21	1164234.42	
1067	26	S05-G05-A22	660546.70	1164225.02	
1068	27	S05-G05-A23	660583.98	1164230.62	
1069	28	S05-G05-A24	660560.88	1164229.14	
1070	29	S05-G05-A25	660569.13	1164219.90	
1071	30	S05-G05-A26	660569.96	1164214.46	
1072	31	S05-G05-A27	660566.99	1164213.14	
1073	4	S05-G05-A28	660598.65	1164305.52	
1074	17	S05-G05-A29	660597.17	1164245.64	
1075	18	S05-G05-A30	660596.01	1164243.00	
1076	49	S06-G06-A01	660319.32	1163906.08	
1077	50	S06-G06-A02	660322.30	1163911.48	
1078	51	S06-G06-A03	660325.27	1163916.13	
1079	52	S06-G06-A04	660327.88	1163913.71	
1080	53	S06-G06-A05	660330.67	1163934.18	
1081	54	S06-G06-A06	660331.41	1163941.06	
1082	55	S06-G06-A07	660325.65	1163941.80	
1083	56	S06-G06-A08	660335.69	1163902.36	
1084	57	S06-G06-A09	660337.18	1163906.83	
1085	58	S06-G06-A10	660321.37	1163893.62	
1086	59	S06-G06-A11	660323.41	1163898.08	
1087	60	S06-G06-A12	660324.90	1163906.64	
1088	61	S06-G06-A13	660346.49	1163941.99	
1089	62	S06-G06-A14	660349.09	1163915.76	
1090	63	S06-G06-A15	660353.00	1163898.64	
1091	65	S06-G06-A16	660356.16	1163925.25	
1092	66	S06-G06-A17	660359.70	1163932.13	
1093	67	S06-G06-A18	660361.19	1163934.92	
1094	68	S06-G06-A19	660365.28	1163939.76	
1095	71	S06-G06-A20	660374.40	1163925.99	
1096	72	S06-G06-A21	660363.05	1163925.25	
1097	73	S06-G06-A22	660375.33	1163910.18	
1098	75	S06-G06-A23	660364.53	1163952.04	
1099	76	S06-G06-A24	660339.42	1163950.74	
1100	77	S06-G06-A25	660341.65	1163959.11	

Count	Map ID	Anomaly ID	Easting	Northing	Comments
1101	78	S06-G06-A26	660349.09	1163956.13	
1102	79	S06-G06-A27	660323.42	1163964.69	
1103	80	S06-G06-A28	660312.44	1163963.76	
1104	81	S06-G06-A29	660370.30	1163918.36	
1105	82	S06-G06-A30	660307.60	1163956.50	
1106	83	S06-G06-A31	660273.55	1163960.78	
1107	84	S06-G06-A32	660359.89	1163975.67	
1108	88	S06-G06-A33	660347.05	1163979.57	
1109	74	S06-G06-A36	660385.19	1163894.92	
1110	48	S06-G06-A37	660299.97	1163874.64	
1111	64	S06-G06-A38	660358.58	1163887.29	
1112	70	S06-G06-A40	660378.49	1163923.57	
1113	69	S06-G06-A41	660372.53	1163949.99	
1114	85	S06-G06-A42	660357.10	1163989.06	
1115	86	S06-G07-A01	660357.66	1163992.78	
1116	87	S06-G07-A02	660351.89	1163992.22	
1117	89	S06-G07-A03	660293.28	1163978.83	
1118	93	S06-G07-A04	660278.96	1163988.88	
1119	94	S06-G07-A05	660274.86	1163993.90	
1120	95	S06-G07-A06	660276.35	1163996.50	
1121	96	S06-G07-A07	660281.19	1163996.50	
1122	97	S06-G07-A08	660315.05	1164015.67	
1123	98	S06-G07-A09	660311.52	1164013.06	
1124	99	S06-G07-A10	660324.17	1163999.48	
1125	100	S06-G07-A11	660337.56	1164000.41	
1126	101	S06-G07-A12	660338.68	1164008.04	
1127	102	S06-G07-A13	660341.28	1164005.25	
1128	103	S06-G07-A14	660348.35	1164007.67	
1129	104	S06-G07-A15	660346.68	1164005.06	
1130	105	S06-G07-A16	660334.21	1164010.46	
1131	106	S06-G07-A17	660327.14	1164006.74	
1132	107	S06-G07-A18	660328.26	1164009.90	
1133	108	S06-G07-A19	660324.91	1164003.20	
1134	109	S06-G07-A20	660317.10	1163999.85	
1135	122	S06-G07-A21	660276.54	1164019.39	
1136	123	S06-G07-A22	660326.03	1164059.01	
1137	124	S06-G07-A23	660339.99	1164056.41	
1138	125	S06-G07-A24	660338.31	1164049.90	
1139	126	S06-G07-A25	660337.20	1164043.76	
1140	127	S06-G07-A26	660349.85	1164036.31	
1141	128	S06-G07-A27	660350.96	1164030.18	
1142	129	S06-G07-A28	660333.29	1164028.31	
1143	130	S06-G07-A29	660330.87	1164043.94	
1144	131	S06-G07-A30	660306.68	1164036.69	
1145	132	S06-G07-A31	660310.22	1164036.69	
1146	133	S06-G07-A32	660307.43	1164024.59	
1147	134	S06-G07-A33	660293.85	1164024.59	
1148	135	S06-G07-A34	660280.64	1164053.43	
1149	136	S06-G07-A35	660290.87	1164052.69	
1150	137	S06-G07-A36	660262.22	1164028.69	
1151	138	S06-G07-A37	660286.59	1163999.29	
1152	139	S06-G07-A38	660301.29	1164012.69	
1153	140	S06-G07-A39	660264.45	1164040.78	
1154	141	S06-G07-A40	660255.52	1164051.76	
1155	142	S06-G07-A41	660252.36	1164056.97	

Count	Map ID	Anomaly ID	Easting	Northing	Comments
1156	143	S06-G07-A42	660249.94	1164058.08	
1157	144	S06-G07-A43	660259.61	1164052.87	
1158	146	S06-G07-A44	660254.59	1164036.87	
1159	147	S06-G07-A45	660251.24	1164040.59	
1160	148	S06-G07-A46	660249.19	1164046.55	
1161	149	S06-G07-A47	660315.43	1164073.34	
1162	155	S06-G07-A48	660292.36	1164008.41	
1163	227	S06-G07-A49	660338.69	1164078.93	
1164	229	S06-G07-A50	660337.57	1164084.88	
1165	116	S06-G07-A51	660259.23	1163996.69	
1166	117	S06-G07-A52	660257.93	1164002.64	
1167	115	S06-G07-A53	660260.35	1163992.97	
1168	181	S06-G08-A01	660273.75	1164080.04	
1169	211	S06-G08-A02	660241.20	1164108.14	
1170	212	S06-G08-A03	660246.04	1164107.02	
1171	213	S06-G08-A04	660260.36	1164115.77	
1172	214	S06-G08-A05	660257.01	1164111.30	
1173	215	S06-G08-A06	660292.55	1164096.05	
1174	216	S06-G08-A07	660302.22	1164097.53	
1175	217	S06-G08-A08	660303.90	1164102.00	
1176	218	S06-G08-A09	660306.32	1164100.70	
1177	219	S06-G08-A10	660301.67	1164107.77	
1178	220	S06-G08-A11	660298.50	1164114.47	
1179	221	S06-G08-A12	660294.97	1164111.49	
1180	222	S06-G08-A13	660297.39	1164109.44	
1181	223	S06-G08-A14	660294.97	1164106.65	
1182	224	S06-G08-A15	660286.78	1164103.67	
1183	225	S06-G08-A16	660273.39	1164088.60	
1184	226	S06-G08-A17	660277.11	1164083.21	
1185	228	S06-G08-A18	660334.97	1164087.30	
1186	230	S06-G08-A19	660330.88	1164088.98	
1187	231	S06-G08-A20	660329.94	1164124.70	
1188	16	S06-G11-A01	660182.01	1163898.65	
1189	17	S06-G11-A02	660184.05	1163902.18	
1190	18	S06-G11-A03	660187.40	1163898.65	
1191	19	S06-G11-A04	660188.33	1163904.60	
1192	20	S06-G11-A05	660184.80	1163887.67	
1193	21	S06-G11-A06	660190.19	1163888.04	
1194	22	S06-G11-A07	660191.31	1163892.69	
1195	23	S06-G11-A08	660194.66	1163898.83	
1196	24	S06-G11-A09	660226.10	1163938.83	
1197	25	S06-G11-A10	660219.40	1163904.04	
1198	26	S06-G11-A11	660218.84	1163907.95	
1199	27	S06-G11-A12	660234.66	1163904.23	
1200	28	S06-G11-A13	660237.64	1163891.39	
1201	29	S06-G11-A14	660252.71	1163888.79	
1202	30	S06-G11-A15	660247.50	1163907.39	
1203	31	S06-G11-A16	660243.78	1163910.00	
1204	32	S06-G11-A17	660241.92	1163904.97	
1205	33	S06-G11-A18	660238.38	1163919.86	
1206	34	S06-G11-A19	660245.45	1163930.83	
1207	35	S06-G11-A20	660247.68	1163934.55	
1208	36	S06-G11-A21	660250.10	1163925.25	
1209	37	S06-G11-A22	660244.15	1163923.21	
1210	38	S06-G11-A23	660247.13	1163921.34	

Count	Map ID	Anomaly ID	Easting	Northing	Comments
1211	39	S06-G11-A24	660249.92	1163918.74	
1212	40	S06-G11-A25	660251.22	1163916.14	
1213	41	S06-G11-A26	660250.66	1163911.67	
1214	42	S06-G11-A27	660260.15	1163919.11	
1215	43	S06-G11-A28	660251.78	1163865.16	
1216	44	S06-G11-A29	660282.85	1163885.81	
1217	90	S06-G11-A30	660240.44	1163954.08	
1218	91	S06-G11-A31	660242.86	1163957.06	
1219	47	S06-G11-A32	660285.09	1163887.66	
1220	45	S06-G11-A33	660286.39	1163881.15	
1221	46	S06-G11-A34	660287.50	1163876.13	
1222	110	S06-G12-A01	660249.37	1163979.57	
1223	111	S06-G12-A02	660244.16	1163978.83	
1224	112	S06-G12-A03	660238.02	1163980.50	
1225	113	S06-G12-A04	660240.26	1163984.22	
1226	114	S06-G12-A05	660255.89	1163983.67	
1227	118	S06-G12-A06	660233.93	1163995.39	
1228	119	S06-G12-A07	660240.44	1163999.48	
1229	121	S06-G12-A08	660249.75	1164016.78	
1230	145	S06-G12-A09	660236.73	1164043.57	
1231	150	S06-G12-A10	660229.10	1164043.76	
1232	151	S06-G12-A11	660232.45	1164039.66	
1233	152	S06-G12-A12	660231.89	1164025.52	
1234	153	S06-G12-A13	660235.80	1164026.83	
1235	154	S06-G12-A14	660229.10	1164013.80	
1236	165	S06-G12-A15	660198.96	1164047.11	
1237	166	S06-G12-A16	660210.31	1164049.15	
1238	167	S06-G12-A17	660218.31	1164044.69	
1239	168	S06-G12-A18	660221.29	1164054.18	
1240	169	S06-G12-A19	660198.77	1164035.20	
1241	170	S06-G12-A20	660201.56	1164032.78	
1242	171	S06-G12-A21	660203.42	1164035.94	
1243	172	S06-G12-A22	660176.26	1164042.08	
1244	173	S06-G12-A23	660186.68	1163998.17	
1245	174	S06-G12-A24	660189.47	1163995.38	
1246	175	S06-G12-A25	660185.00	1164012.50	
1247	176	S06-G12-A26	660222.03	1163997.62	
1248	177	S06-G12-A27	660221.66	1164012.69	
1249	179	S06-G12-A27	660221.66	1164018.64	
1250	178	S06-G12-A28	660218.49	1164015.85	
1251	180	S06-G12-A30	660218.68	1164021.24	
1252	182	S06-G12-A31	660155.61	1164031.66	
1253	183	S06-G12-A32	660161.19	1164035.39	
1254	184	S06-G12-A33	660160.08	1164030.92	
1255	194	S06-G12-A34	660167.70	1163989.99	
1256	195	S06-G12-A35	660168.64	1163993.90	
1257	196	S06-G12-A36	660174.77	1163993.15	
1258	197	S06-G12-A37	660177.94	1163968.03	
1259	198	S06-G12-A38	660194.87	1163983.66	
1260	199	S06-G12-A39	660203.80	1163954.45	
1261	200	S06-G12-A40	660201.38	1163956.68	
1262	201	S06-G12-A41	660189.66	1164008.78	
1263	202	S06-G12-A42	660201.57	1164023.11	
1264	203	S06-G12-A43	660223.71	1164033.71	
1265	210	S06-G12-A44	660188.54	1164043.57	

Count	Map ID	Anomaly ID	Easting	Northing	Comments
1266	236	S06-G12-A45	660222.66	1163971.59	
1267	237	S06-G12-A46	660221.24	1163967.59	
1268	238	S06-G12-A47	660174.58	1163988.83	
1269	239	S06-G12-A48	660175.63	1163982.52	
1270	240	S06-G12-A49	660209.09	1163995.15	
1271	164	S06-G12-A50	660197.47	1164053.25	
1272	120	S06-G12-A51	660255.14	1164010.09	
1273	92	S06-G12-A52	660263.70	1163973.43	
1274	156	S06-G13-A01	660231.89	1164081.90	
1275	157	S06-G13-A02	660227.43	1164065.71	
1276	158	S06-G13-A03	660224.45	1164062.73	
1277	159	S06-G13-A04	660219.80	1164064.22	
1278	160	S06-G13-A05	660204.17	1164066.46	
1279	161	S06-G13-A06	660200.07	1164062.92	
1280	162	S06-G13-A07	660196.91	1164064.97	
1281	163	S06-G13-A08	660194.31	1164055.85	
1282	207	S06-G13-A09	660162.49	1164063.48	
1283	208	S06-G13-A10	660166.21	1164066.83	
1284	209	S06-G13-A11	660142.96	1164055.30	
1285	206	S06-G13-A12	660146.12	1164041.71	
1286	6	S06-G15-A01	660134.19	1163893.25	
1287	7	S06-G15-A02	660170.66	1163912.97	
1288	8	S06-G15-A03	660151.87	1163877.99	
1289	9	S06-G15-A04	660178.29	1163857.34	
1290	10	S06-G15-A05	660185.73	1163857.16	
1291	11	S06-G15-A06	660181.82	1163847.67	
1292	13	S06-G15-A07	660176.98	1163847.30	
1293	14	S06-G15-A08	660154.28	1163839.11	
1294	15	S06-G15-A09	660153.17	1163840.97	
1295	215	S06-G15-A10	660123.32	1164831.49	
1296	12	S06-G15-A11	660180.33	1163845.25	
1297	186	S06-G16-A01	660145.94	1164027.94	
1298	187	S06-G16-A02	660141.10	1164025.52	
1299	188	S06-G16-A03	660119.33	1164012.50	
1300	189	S06-G16-A04	660127.14	1163996.69	
1301	190	S06-G16-A05	660126.03	1164000.97	
1302	191	S06-G16-A06	660139.61	1163979.76	
1303	192	S06-G16-A07	660142.96	1163977.71	
1304	193	S06-G16-A08	660142.96	1163983.29	
1305	204	S06-G16-A09	660109.09	1164011.95	
1306	205	S06-G16-A10	660106.68	1164008.22	
1307	234	S06-G16-A11	660137.59	1163956.15	
1308	235	S06-G16-A12	660133.50	1163952.42	
1309	232	S06-G16-A13	660119.66	1163933.78	
1310	185	S06-G16-A14	660146.49	1164032.04	
1311	241	S06-G16-A15	660128.28	1164036.69	
1312	0	S06-G18-A01	660085.07	1163884.69	
1313	1	S06-G18-A02	660130.28	1163842.27	
1314	2	S06-G18-A03	660131.21	1163845.25	
1315	3	S06-G18-A04	660130.10	1163839.11	
1316	4	S06-G18-A05	660124.14	1163904.23	
1317	5	S06-G18-A06	660125.45	1163900.69	
1318	259		660655.46	1164216.36	Corner stake - no Anomaly ID
1319	42		661315.39	1164216.93	Falls outside of grid corners - no Anomaly ID

APPENDIX B-6

Geophysical Sampling Results

Zapata Engineering
Jason E. Shiflet
Charlotte, NC 28204

I certify that the property listed hereon has been inspected by me and, to the best of my knowledge and belief, contains no items of a dangerous nature.

Danny P. Paul
USA Environmental

Approx 35 lbs of OE scrap.
2.36 lb Pract Rkts Expended Inert

Map*	Anomaly ID	Predicted Category	Distance from Hub (feet) SW	SE	NW	NE	Deviation Distance (inches)	Direction	Associated Anomalies	Item Type	Depth (inches)	Weight (ounces)	Radius (inches)	Description	Disposition	Photo
0	S01-G01-A01		40.58	101.06	12.35	93.37	12	S		G	4			Rock	Removed	
1	S01-G01-A02		30.33	98.57	21.15	96.15	12	W		G	4			Rock	Removed	
2	S01-G01-A03		28.65	96.89	23.39	95.47	6	S		G	3			Rock	LIP	
3	S01-G01-A04		30.34	91.99	25.43	90.50	18	NE		G	3			Gravel	LIP	
4	S01-G01-A05		51.54	68.25	43.65	62.50	18	S		S	3	80		Barbed-wire, metal screw	Removed	
4	S01-G01-A05		51.54	68.25	43.65	62.50	24	W		S	2	2		Wire - 12" long	Removed	
5	S01-G01-A06		38.54	68.83	46.06	73.31	18	S		S	3	80		Barbed-wire, metal screw	Removed	
6	S01-G01-A07		72.08	56.46	60.89	41.22	30	SE		G	4			Rocks	LIP	
6	S01-G01-A07		72.08	56.46	60.89	41.22	12	NW		G	4			Rocks	LIP	
52	S01-G01-A13		69.65	43.20	69.49	42.95	18	SE		O	3	48		M8 Practice Mine, expended	Removed	
52	S01-G01-A13		69.65	43.20	69.49	42.95	24	W		G	3			Rock	LIP	
57	S01-G02-A45		62.40	104.60	42.04	93.89	12	S		O	2	10		Rifle smoke grenade, expended	Removed	
69	S01-G04-A01		102.51	120.75	29.70	70.39	12	SW		G	6			Gravel	LIP	
70	S01-G04-A02		100.36	116.87	32.44	68.12	12	NW		O	6	16		M48 Trip Flare, expended	Removed	
72	S01-G04-A03		77.64	116.62	26.28	90.91				S	0			Barbed-wire	Removed	
73	S01-G04-A04		93.45	125.35	16.99	85.26	6	E		S	0			Barbed-wire	Removed	
80	S01-G04-A10		62.40	104.60	42.04	93.89				S	0			Barbed-wire	Removed	
81	S01-G04-A11		59.97	98.58	47.40	91.49				S	0			Barbed-wire	Removed	
82	S01-G04-A12		56.73	93.82	52.59	91.39				S	0			Barbed-wire	Removed	
87	S01-G04-A17		71.41	116.41	30.02	96.73	12	S		G	4			Gravel	LIP	
88	S01-G04-A18		46.48	79.38	70.31	95.32				S	0			Barbed-wire	Removed	
89	S01-G04-A19		44.86	72.68	77.96	96.69				S	0			Barbed-wire	Removed	
90	S01-G04-A20		44.72	66.00	85.76	98.56				S	0			Barbed-wire	Removed	
91	S01-G04-A21		42.78	82.23	70.26	99.35				S	0			Barbed-wire	Removed	
92	S01-G04-A22		44.96	55.99	103.15	108.42				S	0			Barbed-wire	Removed	
128	S01-G04-A32		44.78	59.68	94.95	102.83				S	0			Barbed-wire	Removed	
71	S01-G04-A42		77.43	126.09	22.58	102.05	12	E		S	2	4		1.5" x 6" piece of metal	Removed	
93	S01-G04-A46		49.42	50.59	110.72	111.25				S	0			Barbed-wire	Removed	
310	S03-G05-A01		60.78	61.71	81.37	82.06	12	N	A	S	3	1		1 - 3" nail, 1 - 2" nail	Removed	
327	S03-G05-A02		53.84	61.86	84.26	89.58	36	W	B,C	S	3	1		1 - 2" nail	Removed	
328	S03-G05-A03		39.57	77.45	77.09	101.85	12	N		S	2	1		1 - 2" nail	Removed	
329	S03-G05-A04		40.61	68.13	86.86	102.64	36	SE	D	S	0	1		1 - 2.5" nail	Removed	
330	S03-G05-A05		37.75	69.59	87.91	105.57	36	N	E	S	0	16		Horseshoe	Removed	
331	S03-G05-A06		44.20	62.61	90.91	101.14	48	E		S	4	16		Muleshoe	Removed	
332	S03-G05-A07		39.99	64.86	92.46	105.61	24	N		S	0	16		Muleshoe	Removed	

* Refer to Appendix B-4 of the EE/CA report.

G - Geology related

O - OE/ORS

S - Scrap

LIP - Left in place

Map*	Anomaly ID	Predicted Category	Distance from Hub (feet) SW	SE	NW	NE	Deviation Distance (inches)	Direction	Associated Anomalies	Item Type	Depth (inches)	Weight (ounces)	Radius (inches)	Description	Disposition	Photo
333	S03-G05-A08		42.96	58.05	102.16	109.36	24	N	F	S	0	6		Half a messkit	Removed	
334	S03-G05-A09		60.86	43.48	103.79	94.65	30	SE	G	S	0	1		1 - 2.5" nail	Removed	
341	S03-G05-A10		58.88	43.69	105.89	98.25	30	SE		S	0	1		1 - 2" nail	Removed	
343	S03-G05-A11		60.06	41.64	108.58	99.56	36	N		S	3	8		Half a horseshoe	Removed	
381	S03-G05-A15		60.26	40.31	112.17	102.83	0			S	0	16		Horseshoe	Removed	
386	S03-G05-A16		85.68	39.46	103.30	69.90	3	W		S	0	8		24" wire	Removed	
387	S03-G05-A17		70.35	30.60	116.96	98.32								Nothing found		
388	S03-G05-A18		100.14	71.13	81.99	41.86	0			S	0	6		10' coiled wire	Removed	
414	S03-G05-A19		68.49	81.63	59.93	74.59								Nothing found		
415	S03-G05-A20		110.20	110.85	49.31	50.73	24	S		S	3	16		Horseshoe	Removed	
416	S03-G05-A21		110.35	113.34	46.66	53.34	6	SE		S	0	16		Horseshoe	Removed	
417	S03-G05-A22		110.30	112.11	48.00	52.01	30	W		S	2	1		1 - 2" nail	Removed	
418	S03-G05-A23		129.22	101.31	82.18	17.82	36	N		S	2	16		Horseshoe	Removed	
419	S03-G05-A24		119.48	67.23	104.08	32.80	30	E		S	2	1		3 nails	Removed	
420	S03-G05-A25		94.15	5.98	136.47	98.97	12	S		S	3	1		2 nails	Removed	
421	S03-G05-A26		39.20	60.80	107.36	116.98	0			S	0	1		3 - 2" nails	Removed	
422	S03-G05-A27		31.36	33.52	24.00	26.76	12	NE	H	S	4	1		2 - 2"nails	Removed	
423	S03-G05-A28		95.22	127.95	14.64	86.72	0			S	4	1		4 - 2" nails	Removed	
426	S03-G05-A29		94.13	109.10	36.97	66.41	12	N		S	4	16		Horseshoe	Removed	
427	S03-G05-A30		90.99	103.95	41.06	64.91	36	S		S	5	8		Coiled metal, horseshoe	Removed	
428	S03-G05-A31		95.53	105.65	41.93	61.61	12	E		S	0	48		1.5" x 14" bar	Removed	
429	S03-G05-A32		91.68	91.98	54.77	55.28	24	N	I	S	0	32		36" chain	Removed	
430	S03-G05-A33		50.40	96.36	54.77	98.72	0			S	0	16		Horseshoe	Removed	
431	S03-G05-A34		47.65	94.06	58.10	99.76	36	E		S	2	8		Half a horseshoe	Removed	
432	S03-G05-A35		32.22	102.91	67.89	119.00	24	E		S	2	1		1 - 2" nail		
433	S03-G05-A36		26.96	96.27	74.40	118.64	12	S		S	0	16		Horseshoe	Removed	
434	S03-G05-A37		51.63	78.57	68.09	90.24	12	W		S	1	16		Horseshoe	Removed	
435	S03-G05-A38		97.07	74.01	76.90	44.39	36	NE		S	0	16		Horseshoe	Removed	
436	S03-G05-A39		92.58	70.83	77.17	49.01	30	NE		S	0	16		3" x 5" metal plate	Removed	
437	S03-G05-A40		84.47	68.18	75.87	57.17	0			S	3	16		Horseshoe	Removed	
438	S03-G05-A41		68.43	65.23	76.28	73.42	48	NE		S	0	16		Horseshoe	Removed	
439	S03-G05-A42		67.80	60.03	81.60	75.26	48	NE		S	0	16		Horseshoe	Removed	
442	S03-G05-A45		52.63	56.44	91.75	93.98	12	N		S	6	16		Horseshoe	Removed	
448	S03-G05-A50		92.49	55.78	91.49	54.11	6	E		S	2	1		6 nails	Removed	
449	S03-G05-A51		33.02	67.80	99.45	115.74	12	E		S	4	6		Nails	Removed	

* Refer to Appendix B-4 of the EE/CA report.

G - Geology related

O - OE/ORS

S - Scrap

LIP - Left in place

Map*	Anomaly ID	Predicted Category	Distance from Hub (feet)				Deviation		Associated Anomalies	Item Type	Depth (inches)	Weight (ounces)	Radius (inches)	Description	Disposition	Photo
			SW	SE	NW	NE	Distance (inches)	Direction								
450	S03-G05-A52		54.34	62.41	83.34	88.82	18	E		S	0	96		Iron bar	Removed	
311	S03-G05-A58		122.99	84.58	91.28	18.96	30	SE		S	4	1		1 - 2.5" nail	Removed	
	A		60.78	61.71	81.37	82.06	24	SE		S	4	1		1 - 2.5" nail	Removed	
	B		53.84	61.86	84.26	89.58	36	S		S	3	1		1 - 2.5" nail	Removed	
	C		53.84	61.86	84.26	89.58	30	N		S	3	1		1 - 2.5" nail	Removed	
	D		40.61	68.13	86.86	102.64	30	E		S	1	16		Horseshoe	Removed	
	E		37.75	69.59	87.91	105.57	24	E		S	3	1		3 nails	Removed	
	F		42.96	58.05	102.16	109.36	0			S	1	1		Metal flake, nail	Removed	
	G		60.86	43.48	103.79	94.65	0			S	3	1		3 - 2" nails	Removed	
	H		31.36	33.52	24.00	26.76	36	E		S	4	1		1 - 3" nail	Removed	
	I		91.68	91.98	54.77	55.28	12	E		S	0	16		Horseshoe	Removed	
4	S04-G01-A05		40.83	64.43	59.18	77.37	0			S	0	32		1" x 24" metal	Removed	
5	S04-G01-A06		111.72	100.11	49.56	0.45	0			S	0	4		Rusted cans	Removed	
14	S04-G01-A14		81.24	67.46	56.03	33.00	0			S	0	32		12' coiled barb wire	Removed	
15	S04-G01-A15		73.18	84.82	27.91	51.16	0			S	4	8		Broken wire pieces	Removed	
24	S04-G01-A22		8.93	41.31	98.51	106.44	0			S	0	80		18" long metal	Removed	
25	S04-G01-A23		1.22	50.25	98.80	110.84	0			O	0	1		0.30 cal brass	Removed	
17	S04-G01-A29		12.19	33.60	96.99	96.35	0			O	4	24		1 - 2.36" practice rocket, expended	Removed	
18	S04-G01-A30		80.76	122.77	20.86	94.79	0			S	0	6		10' coiled wire	Removed	
42	S04-G03-A01		76.63	28.73	113.84	88.96	0			S	0	8		36" barbwire	Removed	
43	S04-G03-A02		87.49	16.70	124.85	90.63	18	W	B	O	0	1		2 - 0.30 cal brass, expended	Removed	
44	S04-G03-A03		90.38	11.47	130.31	94.58	36	W		S	6	4		2.5" ring	Removed	
45	S04-G03-A04		88.26	12.28	130.83	97.36	24	E	C,D,E,F, G,H,I					Burial pit - refer to associated anomalies		
47	S04-G03-A06		109.66	46.30	112.98	53.71	24	NE		S	4	8		1.5"x 4" metal	Removed	
49	S04-G03-A08		46.30	68.41	81.33	95.47	6	W	J	S	0	8		5" rod	Removed	
50	S04-G03-A09		52.36	66.71	79.42	89.30	36	SE		S	0	1		1 - 2" nail	Removed	
54	S04-G03-A13		81.91	72.71	70.61	59.08	12	SE	K,L	O	0	1		0.30 cal brass, expended	Removed	
56	S04-G03-A15		56.05	51.65	95.40	92.70	12	W		S	0	1		1 - 2" nail	Removed	
58	S04-G03-A17		39.30	65.24	92.31	105.87	18	NE		S	4	1		1 - 1" nail	Removed	
41	S04-G03-A21		74.75	43.51	97.91	76.45	2	E	A	S	0	16		Horseshoe	Removed	
	A		74.75	43.51	97.91	76.45	36	NW		S	0	2		12" wire	Removed	
	B		87.49	16.70	124.85	90.63	30	SW		S	4	1		0.30 cal brass, expended	Removed	

* Refer to Appendix B-4 of the EE/CA report.

G - Geology related

O - OE/ORS

S - Scrap

LIP - Left in place

Map*	Anomaly ID	Predicted Category	Distance from Hub (feet) SW	SE	NW	NE	Deviation Distance (inches)	Direction	Associated Anomalies	Item Type	Depth (inches)	Weight (ounces)	Radius (inches)	Description	Disposition	Photo
	C		88.26	12.28	130.83	97.36	24	E		O	12	128		5 - 2.36" practice rockets, expended	Removed	Yes
	D		88.26	12.28	130.83	97.36	24	E		O	12	8		24 - 0.30 cal brass, expended	Removed	Yes
	E		88.26	12.28	130.83	97.36	24	E		S	12	24		Jeep mirror	Removed	
	F		88.26	12.28	130.83	97.36	24	E		S	12	24		Half a horseshoe	Removed	
	G		88.26	12.28	130.83	97.36	24	E		O	12	4		2 flares, expended	Removed	Yes
	H		88.26	12.28	130.83	97.36	24	E		S	12	4		Commo wire	Removed	
	I		88.26	12.28	130.83	97.36	24	E		S	12	8		Miscellaneous scrap	Removed	
	J		46.30	68.41	81.33	95.47	24	SE		S	3	1		1.5" metal	Removed	
	K		81.91	72.71	70.61	59.08	36	N		S	0	1		4" wire	Removed	
	L		81.91	72.71	70.61	59.08	0			S	0	1		Clamp	Removed	
66	S04-G04-A01		95.21	5.75	135.82	97.04	6	E		O	3	1		2 - 0.30 cal brass, expended	Removed	
67	S04-G04-A02		89.50	11.29	131.27	96.69	18	E		O	3	1		0.30 cal brass, expended	Removed	
69	S04-G04-A03		29.67	70.86	99.74	118.69								Nothing found	LIP	
70	S04-G04-A04		25.14	84.16	84.09	116.29	18	SE		O	2	1		2 - 7.6mm brass, expended	Removed	
71	S04-G04-A05		27.97	88.29	77.80	114.31	12	SE		G	2	1		Rock	Removed	
72	S04-G04-A06		30.92	86.93	76.10	111.32	36	SW		S	5	4		3" x 4" metal plate	Removed	
81	S04-G04-A07		32.87	82.10	78.38	108.64								Nothing found	LIP	
85	S04-G04-A08		68.89	54.05	87.61	76.49	48	SE	A	S	1	6		Half a muleshoe	Removed	
86	S04-G04-A09		64.54	56.13	86.24	80.13								Top of woodpile		
87	S04-G04-A10		91.76	22.32	120.29	80.93	36	S		G	3	1		Rock	LIP	
88	S04-G04-A11		89.13	21.67	120.10	83.36	12	E		G	2	1		Rock	Removed	
89	S04-G04-A12		53.07	91.12	56.66	93.26								Nothing found	LIP	
90	S04-G04-A13		109.58	77.53	83.84	32.11	24	SE		S	0	2		12" barbwire	Removed	
91	S04-G04-A14		115.81	69.45	97.95	31.71	30	NE		G				Rock	Removed	
98	S04-G04-A15		109.77	63.98	97.05	38.24	48	NE		S	2	1		Nails	Removed	
99	S04-G04-A16		104.47	58.85	97.08	44.42								Nothing found	LIP	
65	S04-G04-A17		108.61	47.28	111.13	52.82								Same item as S04-G11-A24		
83	S04-G04-A19		90.84	47.82	97.89	60.14								Nothing found	LIP	
101	S04-G04-A20		100.40	62.05	90.87	45.03	36	S		S	3	6		Half a muleshoe	Removed	
68	S04-G04-A21		80.40	72.65	70.10	61.05	12	NE		G	4	1		Rock	LIP	
	A		68.889	54.05	87.607	76.49	60	NW		S	1	2		18" wire	Removed	
92	S04-G05-A01		52.18	105.77	48.95	104.35	12	N		O	2	24		MKII practice grenade	Removed	
93	S04-G05-A02		58.04	106.61	43.92	99.80	12	NE		S	4	1		1 - 2" nail	Removed	
96	S04-G05-A03		41.65	105.98	58.48	113.73	12	S		S	4	8		Half a muleshoe	Removed	

* Refer to Appendix B-4 of the EE/CA report.

G - Geology related

O - OE/ORS

S - Scrap

LIP - Left in place

Map*	Anomaly ID	Predicted Category	Distance from Hub (feet)				Deviation		Associated Anomalies	Item Type	Depth (inches)	Weight (ounces)	Radius (inches)	Description	Disposition	Photo
			SW	SE	NW	NE	Distance (inches)	Direction								
97	S04-G05-A04		41.40	100.73	59.84	109.68	12	W		S	4	1		1 - 2" nail	Removed	
100	S04-G05-A05		46.01	100.54	55.97	105.57	36	E		S	2	6		Half a muleshoe	Removed	
102	S04-G05-A06		52.20	98.84	52.00	98.88	30	NW		S	0	6		2.5" length of pipe	Removed	
103	S04-G05-A07		98.17	92.99	57.61	48.99	24	NE		S	4	8		Half a muleshoe	Removed	
104	S04-G05-A08		63.46	77.54	64.48	78.59	48	W		S	1	1		6" wire	Removed	
105	S04-G05-A09		66.79	79.79	61.68	75.82	24	SE		S	4	8		5" rod	Removed	
106	S04-G05-A10		71.50	64.19	76.96	70.47	24	N	A,B,C	S	1	3		5 yards of commo wire	Removed	
107	S04-G05-A11		63.73	55.75	86.65	81.09	0			S	3	1		1 - 2" nail	Removed	
108	S04-G05-A12		73.70	40.91	100.46	79.71	24	SE		O	0	2		Rifle ammo clip	Removed	
109	S04-G05-A13		82.10	55.69	86.83	62.77								Nothing found	LIP	
110	S04-G05-A14		81.65	60.21	82.37	61.51	24	E		O	0	32		MKII practice grenade	Removed	
111	S04-G05-A15		76.59	58.55	82.91	66.88	24	NW		S	0	2		1" x 2.5" metal	Removed	
113	S04-G05-A16		86.51	70.84	73.70	54.93	12	NE		S	3	1		1 - 1.5" nail	Removed	
	A		71.498	64.194	76.957	70.473	36	S		O	2	1		0.30 cal brass, expended	Removed	
	B		71.498	64.194	76.957	70.473	24	N		S	6	1		Sardine cans	Removed	
	C		71.498	64.194	76.957	70.473	24	N		S	4	1	2	Metal disk	Removed	
35	S04-G10-A04		102.57	50.73	103.15	51.21	18	NE	A,B	S	0	1		6" wire	Removed	
36	S04-G10-A05		101.37	34.49	116.13	65.91	24	SW	C	S	0	6		30" wire	Removed	
37	S04-G10-A06		91.62	39.35	105.90	65.67	48	SW		S	0	8		24" wire	Removed	
61	S04-G10-A09		94.35	74.01	75.38	46.64	6	S	D,E,F	O	3	2		2 ground signal containers	Removed	
	A		102.57	50.73	103.15	51.21	36	NE		O	0	1		0.30 cal brass, expended	Removed	
	B		102.57	50.73	103.15	51.21	30	SW		S	3	16		Horseshoe	Removed	
	C		101.37	34.49	116.13	65.91	36	SW		O	1	1		2 - 0.30 cal brass, expended	Removed	
	D		94.35	74.01	75.38	46.64	6	SW		S	3	3		36" wire	Removed	
	E		94.35	74.01	75.38	46.64				O	3	4		12 - 0.30 cal brass, expended	Removed	
	F		94.35	74.01	75.38	46.64	6	S		O	4	4		2 slap flares, expended	Removed	
64	S04-G11-A01		15.01	36.95	94.63	100.47	18	N		S	1	2		2 - Steel rods 18" long	Removed	
73	S04-G11-A02		86.33	75.82	48.72	25.85	30	E	A	S	0	1		Wire 8"	Removed	
74	S04-G11-A03		51.86	48.95	62.86	60.48	18	NE		S	3	3		Half of a mule shoe	Removed	
75	S04-G11-A04		54.47	47.07	65.02	58.95	12	N		G	5			Gravel	LIP	
77	S04-G11-A06		28.07	28.70	90.00	90.19	0			S	4	6		Half of a mule shoe	Removed	
79	S04-G11-A07		40.38	12.38	101.18	93.59	0			G	6			Gravel	LIP	
80	S04-G11-A08		81.24	67.46	56.03	33.00	36	NW		S	1	2		Wire 24" long	Removed	
84	S04-G11-A09		73.18	84.82	27.91	51.16	0			S	1	2		Wire 24" long	Removed	
63	S04-G11-A10		10.76	39.23	100.58	107.42	6	E		O	2	4		Container for ground signal	Removed	Yes

* Refer to Appendix B-4 of the EE/CA report.

G - Geology related

O - OE/ORS

S - Scrap

LIP - Left in place

Map*	Anomaly ID	Predicted Category	Distance from Hub (feet)				Deviation		Associated Anomalies	Item Type*	Depth (inches)	Weight (ounces)	Radius (inches)	Description	Disposition	Photo
			SW	SE	NW	NE	Distance (inches)	Direction								
63	S04-G11-A11		7.94	42.05	100.32	108.49										
63	S04-G11-A12		9.37	40.65	99.92	107.47										
63	S04-G11-A13		8.22	41.78	100.34	108.38										
63	S04-G11-A14		10.78	39.29	99.44	106.38										
	S04-G11-A15		9.59	40.41	100.46	107.86	0			O	1	3		Ground signal, expended	Removed	Yes
65	S04-G11-A17		1.22	50.25	98.80	110.84	36	NE						Nothing found	LIP	
82	S04-G11-A20		70.84	86.35	29.16	57.34	0			S	5	6		Carriage Bolt, 4.5" long	Removed	
	A		86.33	75.82	48.72	25.85	10	W		S	3	16		Metal	Removed	
52	S05-G04-A29	3	115.63	59.19	107.38	40.81	12	N	A,B,C,D	S	2	3	1	Chunk of metal	Removed	
	A	3	115.63	59.194	107.38	40.807				G				Rocks	LIP	
	B	3	115.63	59.194	107.38	40.807	18	N		S	2	2	1.5	Metal can	Removed	
	C	3	115.63	59.194	107.38	40.807	18	SW		S	2	2		Barbed-wire	Removed	
	D	3	115.63	59.194	107.38	40.807	0			O		1		M1 Practice mine activator	Removed	
0	S05-G05-A01	2	78.96	115.90	26.33	88.84	36	W		S	3	64		Sheet metal	Removed	
1	S05-G05-A02	1	94.73	124.59	18.56	83.03	6	N	A	S	2	64		Linear scrap metal	Removed	
2	S05-G05-A03	2	93.73	120.03	23.61	78.61	6	S	A	G	2	16		Rocks	Removed	
3	S05-G05-A04	2	98.01	124.70	20.68	79.83	18	S	A	G	2			Rocks	LIP	
5	S05-G05-A05	1	85.64	87.05	57.06	59.17	24	E		S	3	32		Horseshoe	Removed	
6	S05-G05-A06	1	89.05	59.85	85.89	55.05	6	E	D	S	1	3		Metal bucket handle	Removed	
7	S05-G05-A07	1	105.48	70.11	87.31	37.62	12	SW		O	4					
8	S05-G05-A08	3	104.89	66.14	90.61	39.80	12	NW	B	O	4			M69 - 60mm Practice	Removed	Yes
9	S05-G05-A09	1	113.85	73.77	91.74	29.97	12	SW								
10	S05-G05-A10	3	113.43	69.98	94.96	32.40	12	SE	C	S	2	2		5 Large nails	Removed	
11	S05-G05-A11	2	113.05	78.06	86.74	28.93	6	NE		G	2			Rocks	LIP	
12	S05-G05-A12	1	59.48	70.91	72.29	81.95	6	N		S	3	24		Metal plate	Removed	
13	S05-G05-A13	1	79.37	67.70	74.76	62.24	6	N		S	2			Rocks	LIP	
14	S05-G05-A14	1	106.27	57.91	99.47	44.23	6	NW		G	3			Rocks	LIP	
15	S05-G05-A15	3	109.65	54.85	105.34	45.64	6	NW		S	1	2		Large nail	Removed	
16	S05-G05-A16	1	109.12	51.03	108.28	49.21	6	NE		G				Rocks	LIP	
19	S05-G05-A17	2	70.85	89.62	51.89	75.53	12	S		S	3	2		Large nail	Removed	
20	S05-G05-A18	1	42.64	62.15	93.53	103.88	6	SE		O	3			M69 - 60mm practice	Removed	Yes
25	S05-G05-A21	1	45.04	55.32	105.76	110.53	6	NE	E	G	4			Rocks	LIP	
4	S05-G05-A28	2	123.23	103.54	72.32	27.67	6	W		G	3			Rocks	LIP	
17	S05-G05-A29	3	109.66	46.30	112.98	53.71	6	S		S	1	4		7 Large nails	Removed	
18	S05-G05-A30	3	108.67	43.42	114.56	56.59	6	N								

* Refer to Appendix B-4 of the EE/CA report.

G - Geology related

O - OE/ORS

S - Scrap

LIP - Left in place

Map*	Anomaly ID	Predicted Category	Distance from Hub (feet)				Deviation		Associated Anomalies	Item Type	Depth (inches)	Weight (ounces)	Radius (inches)	Description	Disposition	Photo
			SW	SE	NW	NE	Distance (inches)	Direction								
	A													Long metal pipe (1"x2')	Removed	
	B		104.89	66.14	90.61	39.80	12	SE		O	2	24		Rifle smoke grenade, expended	Removed	Yes
	C									S	2			Large board with nails		
	D		89.05	59.85	85.89	55.05	36	NW		S	1	24		Horseshoe	Removed	
	E		45.04	55.32	105.76	110.53	24	E		O	2	16		Rifle smoke grenade, expended	Removed	Yes

* Refer to Appendix B-4 of the EE/CA report.
G - Geology related
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APPENDIX C

STATISTICAL ANALYSIS

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1.0 INTRODUCTION

Detailed investigation of all 532 acres of the proposed eastern bypass right-of-way would be an inefficient and cost prohibitive effort. Therefore, accurate statistical sampling and analysis of a smaller portion of the extensive area is necessary to properly characterize the potential ordnance and explosive (OE) items that are present. Statistical sampling, when done correctly, is a valuable tool used to glean information on a vastly larger set of potential observations.

Based on preliminary investigations, the proposed eastern bypass right-of-way was divided into three distinct areas called ordnance operable units (OOU), each with different OE characteristics. ZAPATAENGINEERING conducted on-site preliminary investigations in OOU1 and OOU3 using a meandering path method. As directed by the US Army Engineering and Support Center, Huntsville (USAESCH), SiteStat and GridStat were not used to determine the amount of necessary sampling. ZAPATAENGINEERING conducted detailed geophysical investigations inside and adjacent to OOU1. Basic statistical analyses and extrapolation were used to characterize OOU1. As directed by USAESCH, OE*Cert* was not used to calculate statistical information. The USAESCH conducted further investigations in OOU2. OOU3, which contained very few OE/ORS items, was characterized by the preliminary investigations. The preliminary and detailed investigations are described in the Geophysical Report (and its appendices) in Appendix B of the EE/CA.

The geophysical data gathered from sampled areas investigations inside and adjacent to OOU1 were statistically analyzed and extrapolated to estimate the number of anomalies in the OOU1 right-of-way. The field investigation information gathered from portions of OOU2 by the USAESCH and preliminary investigations conducted in OOU3 by ZAPATAENGINEERING were used to estimate the potential OE/ORS occurrence in each OOU. The resulting anomaly estimates were used to calculate remediation costs for a variety of risk reduction alternatives for each OOU.

2.0 OOU1

Preliminary investigations conducted in OOU1 revealed areas where field training likely occurred. ZAPATAENGINEERING determined a detailed geophysical investigation of OOU1 would be necessary to properly characterize the area. ZAPATAENGINEERING and the USAESCH agreed on the selection of ten noncontiguous acres for further investigation. Six small areas, totaling approximately 8.56 acres, were cleared and prepared for detailed geophysical investigation. The six areas were not randomly chosen, but were placed in specific areas where evidence of field training was present at the surface. Refer to Appendix B of the EE/CA for specific details regarding the geophysical investigation procedures and methodologies.

2.1 Data Collection and Analysis

Surveyed grid systems were set up inside each of the six areas. Geophysical data were collected with a Geonics EM-61 time domain electromagnetic induction sensor. The instrument collected data in the tick-wheel mode using 2.5-feet lane spacings. Target anomalies were picked and corresponding dig sheets prepared. Location of anomalies in each grid was accomplished by calculating the distance from each anomaly to all four hubs and providing those measurements on the dig sheets. Locating a selected anomaly during the sampling effort involved measuring the distances from any two hubs with a tape, finding the point where the tapes cross and placing

a nonmagnetic pin flag. The flagged location served as the anomaly's measured geographic location. The area of the pin flag was then searched with a Schonstadt magnetometer and/or a hand-held EM-61. The actual anomaly location, or deviation from the measured geographic location, was noted in the dig sheet as a distance and direction from the pin flag. Once the actual anomaly was located, the sampling team used shovels and other handheld tools to unearth the item. Anomaly depth, distance and direction of deviation from anomaly measured geographic location, orientation, weight and contents were noted in the dig sheet. Table 2-1 summarizes the information collected in the investigated grids. For a detailed description of the sampled items, refer to Appendix B-6 in the EE/CA.

2.2 Sampling Results

Detailed information of each sampled anomaly was noted on the dig sheets compiled by the UXO dig team. Refer to Appendix B-6 of the EE/CA for the geophysical sampling results. Table 2-1 summarizes the items recovered from each grid sampled in OOU1. The 8.56 investigated acres were not completely sampled. One or more OE/ORS items discovered stopped the investigation in that grid. Once a majority of grids was closed in an area, the area was closed. As fieldwork progressed and OE/ORS items were discovered, the grids and areas were closed by the USAESCH, and the sampling efforts stopped.

Table 2-1 OOU1 Sampling Results Summary

		OE/ORS			Other					
Grid	Total Items Removed	Non-UXO	UXO	Total	Small Arms	Horse or Muleshoe	Nail	Wire	Rock	Misc
A1G1	13	1	0	1	0	0	0	3	7	2
A1G2	1	1	0	1	0	0	0	0	0	0
A1G4	16	1	0	1	0	0	0	12	2	1
A3G5	72	0	0	0	0	21	42	2	0	7
A4G1	8	1	0	1	1	0	0	3	0	3
A4G3	51	7	0	7	28	2	3	4	0	7
A4G4	16	0	0	0	5	2	1	2	5	1
A4G5	18	3	0	3	1	3	4	2	0	5
A4G10	24	4	0	4	15	1	0	4	0	0
A4G11	13	2	0	2	0	2	0	3	2	4
A5G4	5	0	1	1	0	0	0	1	1	2
A5G5	34	4	0	4	0	2	14	0	8	6
Totals:	271	24	1	25	50	33	64	36	25	38

Of the 8.56 investigated acres, 12 grids totaling 2.41 acres were sampled. Several of the grids were closed because OE/ORS items were uncovered, resulting in several incompletely sampled grids. Of the 330 anomalies measured in the 12 grids, 161 anomalies were investigated and 271 items were removed. Each unearthed item was classified as OE/ORS (non-UXO or UXO) or other (small arms, horseshoe or muleshoe, nail, wire, rock, or miscellaneous). OE/ORS items include inert 60mm practice mortars, 2.36-inch practice rockets, practice grenades and slap flares. One OE/ORS item, a mine activator (a pyrotechnic item) was classified as UXO by the USAESCH. Small arms include expended .30 caliber and 7.6mm brass shells. Every item was classified even if one or more items were discovered in the same excavation. Of the 271 items

removed, 25 or 9.3% were OE/ORS items, as illustrated on Figure 2-1. Of the 25 OE/ORS items, 24 (96%) were non-UXO and one (4%) was UXO.

Anomaly depths ranged from 0 inches (on the surface) to 12 inches. Most of the anomalies (87%) were discovered to be less than or equal to 6 inches deep. Approximately 72% of the OE/ORS items were discovered to be less than or equal to 6 inches deep. Additionally, of the 25 OE/ORS items, one was UXO and it was discovered less than or equal to 6 inches deep. Refer to Attachment 1, Figures 1A and 1B of this report for a graphical representation of the sampled items relative to depth.

The actual anomaly locations range from 0 feet (coincident with the measured target location) to greater than 4 feet away from the measured anomaly location. Approximately 55% of all anomalies were within a 1.5-foot radius of the target location, and approximately 60% of the OE/ORS items were within a 1.5-foot radius circle. The only UXO item was "on target" with a zero distance deviation. Refer to Attachment 1, Figures 1C and 1D of this report for a graphical representation of the sampled items relative to deviation distances. Table 2-2 summarizes the depth-to-anomaly percentages and anomaly-distance-deviation percentages for all anomalies, OE/ORS (non-UXO) and UXO.

Table 2-2 Anomaly Depth and Distance Occurrence Trends

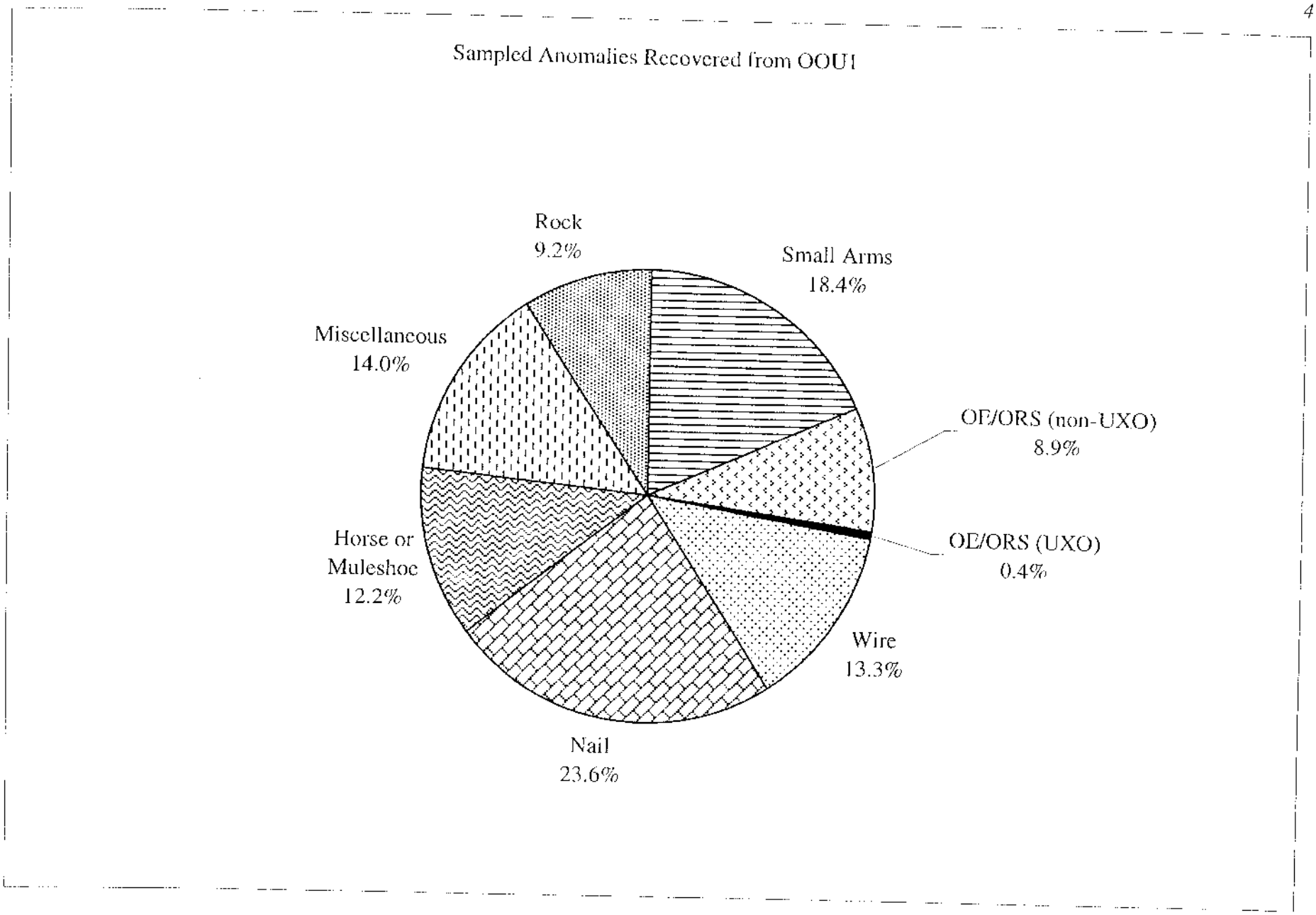
Item	Depth to Anomaly (inches)			Distance Deviation (feet)		
	0	0 to 6	6 to 12	0	0 to 1.5	>1.5
All Anomalies	23%	64%	13%	13%	42%	45%
OE/ORS (non UXO)	8%	64%	28%	12%	48%	40%
UXO	0%	100%	0%	100%	0%	0%

The directional deviation for all the anomalies appears to be rather even, with the exception being the slightly larger number of items found east of the suspected location. Fifty-eight items (21.4%) had no directional deviation. A majority of the OE/ORS items (76%) appear to be deviating in the eastern, southeastern or southern direction. Three items (12%) had no directional deviation. Refer to Attachment 1, Figures 1G, 1H and 1I of this report for a graphical representation of the sampled items relative to direction of location deviation.

2.3 Statistical Analysis

It is important to statistically analyze the data collected in OOU1 to determine any trends or averages that may be extrapolated across the uninvestigated areas in OOU1. Table 2-3 lists the statistical results of several tested parameters as calculated using Microsoft® Excel's Descriptive Statistics tool. The key values used for extrapolation in Table 2-3 are the mean, the standard

Figure 2-1 Sampled Anomalies Recovered from OOU1



deviation and the confidence level (95%). For example, the standard deviation of the depth of an OE/ORS (non-UXO) item suggests the average deviation from the mean depth (5.24 inches) is 4.48 inches. In addition, these values suggest, at the 95% confidence level the typical OE/ORS (non-UXO) item in OOU1 is 5.24 ± 1.85 inches deep. In other words, at the 95% confidence level, the typical OE/ORS item in OOU1 is found 3.39 inches to 7.09 inches deep. Using calculated values in Table 2-3 and anomaly density data calculated in Attachment 2, ZAPATAENGINEERING can extrapolate the findings of the 12 grids or the 2.41 acres across OOU1 and estimate the number of potential anomalies and OE/ORS (non-UXO). No statistical calculations were performed on the one UXO item discovered in OOU1.

Table 2-3 Statistical Summary

Statistic	Depth (inches)		Distance (feet)	
	Anomaly	OE/ORS (non-UXO)	Anomaly	OE/ORS (non-UXO)
Mean	3.35	5.24	1.48	1.18
Standard Error	0.22	0.90	0.07	0.15
Median	3.00	3.00	1.50	1.00
Mode	0.00	12.00	2.00	2.00
Standard Deviation	3.67	4.48	1.05	0.76
Sample Variance	13.48	20.11	1.11	0.58
Kurtosis	1.26	-1.14	-0.33	-1.57
Skewness	1.52	0.77	0.43	-0.13
Range	12	12	5	2
Minimum	0	0	0	0
Maximum	12	12	5	2
Sum	902	131	364	30
Count	269	25	246	25
Confidence Level(95%)	0.44	1.85	0.13	0.31

2.4 Data Extrapolation

An estimate of the number of anomalies and OE/ORS items present within the proposed eastern bypass right-of-way is necessary to analyze potential risk reduction alternatives. Anomaly estimates can be made using sampled data from a small portion of OOU1. There were 1,315 anomalies measured in the 8.56 gridded acres of the 103 total acres in OOU1. One hundred and sixty-one anomalies were sampled. Two hundred and seventy-one items were removed from 204 holes. Approximately 9.3% of the 271 items were OE/ORS. There are an estimated 15,823 anomalies in the OOU1 right-of-way. There are an estimated 3,260 items in the OOU1 right-of-way. Of the estimated 3,260 items in OOU1, there are an estimated 288 OE/ORS (non-UXO) items and 12 UXO items. Refer to Attachment 2 for detailed calculations.

3.0 OOU2

Preliminary investigations conducted in OOU2 revealed known impact ranges. The USAESCH and ZAPATAENGINEERING agreed further investigation would be necessary. However,

ZAPATAENGINEERING did not conduct the investigation. The USAESCH conducted a ground reconnaissance in the area proposed as the eastern bypass right-of-way in June 1997. In late 1999 the USAESCH initiated and surface anomaly investigation in OOU2.

3.1 Data Collection and Analysis

A USAESCH team conducted a visual inspection of the areas within OOU2 in 1997. A hand-held magnetometer was used to collect cursory subsurface information. In 1999, the USAESCH returned to OOU2 and sampled some of the surface and subsurface anomalies within the right-of-way.

3.2 Sampling Results

Extensive OE surface and subsurface occurrence was discovered. OE items (non-UXO and UXO) were present and included items such as 60mm high explosive mortars and 2.36-inch rockets.

3.3 Statistical Analysis

A formal statistical analysis was not performed on sampling information collected in OOU2. Based on their professional experience and the 1997 and 1999 investigations, the USAESCH team estimated OE (non-UXO and UXO) densities as moderate to high in some areas and low in others.

3.4 Data Extrapolation

An estimate of the number of anomalies and OE/ORS items present within the proposed eastern bypass right-of-way is necessary to analyze potential risk reduction alternatives. Based on sampling data collected in OOU2, the estimated OE occurrence is moderate to high.

4.0 OOU3

Preliminary investigations conducted in OOU3 showed very few OE items present on the ground surface. USAESCH and ZAPATAENGINEERING determined further investigation of the area would not be cost effective and OE/ORS characterization was adequate.

4.1 Data Collection and Analysis

The preliminary investigations were conducted in a meander-path method and are described in detail in the Ground Reconnaissance Report in Appendix B-1 of the EE/CA. A team composed of representatives from the USAESCH, ZAPATAENGINEERING and USA Environmental walked the OOU in search of OE evidence on the surface. A Schonstadt magnetometer was used to check for possible subsurface anomalies.

4.2 Sampling Results

Two OE items were found in OOU3. Results of the magnetometer check were suspect and considered to be inconclusive because of the large number of iron-bearing rocks common to the area that cause a magnetometer to register false anomalies.

4.3 Statistical Analysis

No statistical analysis was performed, as only two OE items were discovered.

4.4 Data Extrapolation

An estimate of the number of anomalies and OE/ORS items present within the proposed eastern bypass right-of-way is necessary to analyze potential risk reduction alternatives. Anomaly estimates can be made using sampled data from the ground reconnaissance. There were 2 items discovered during the ground reconnaissance. One hundred and thirty-three acres were investigated in OOU3 during the ground reconnaissance. Based on ground reconnaissance investigation, there are an estimated 4 items in OOU3. Refer to Attachment 2 for detailed calculations.

APPENDIX C-1

Anomaly Data Figures

Figure 1A: Depth to Anomaly

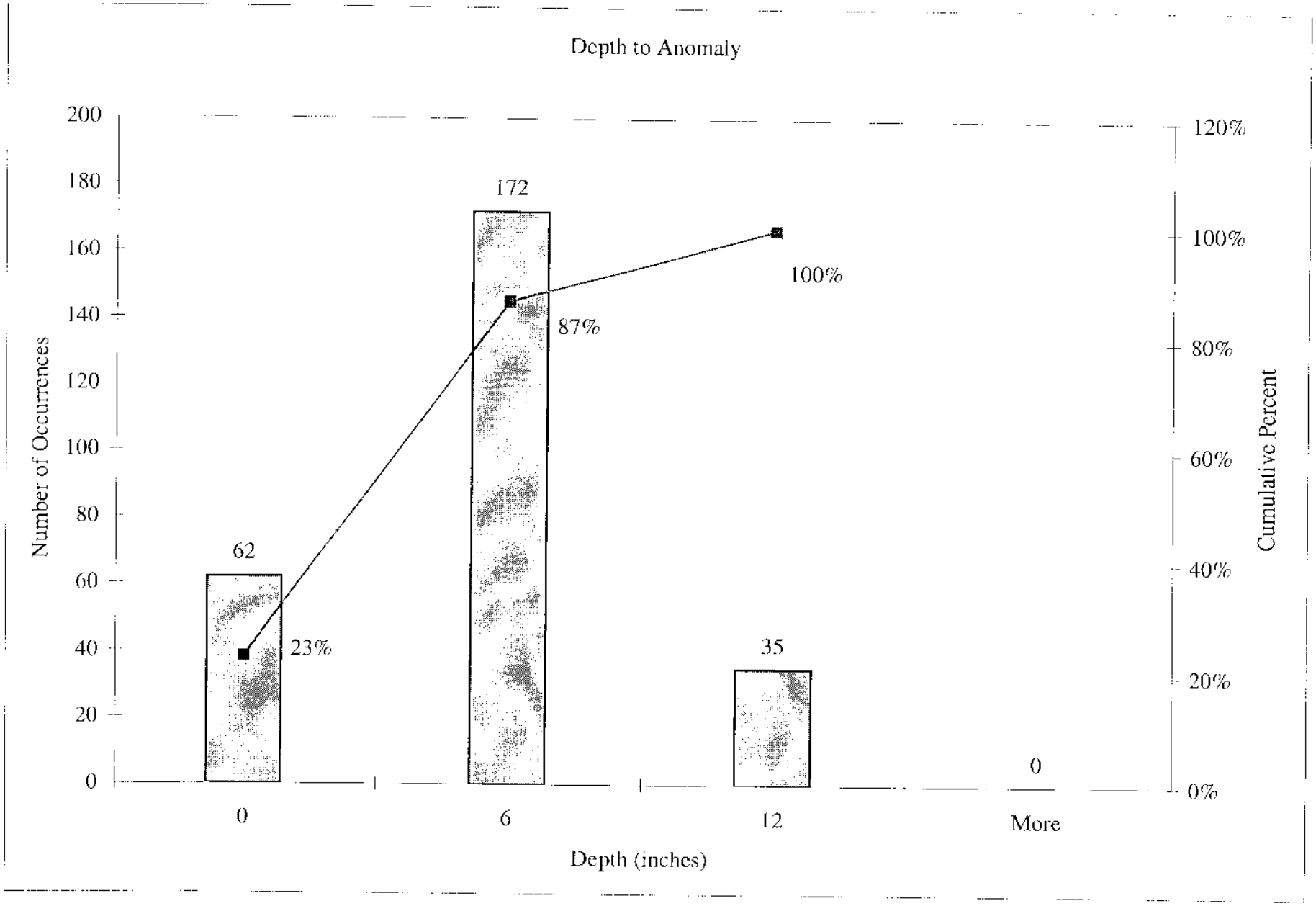


Figure 1B: Depth to OE/ORS

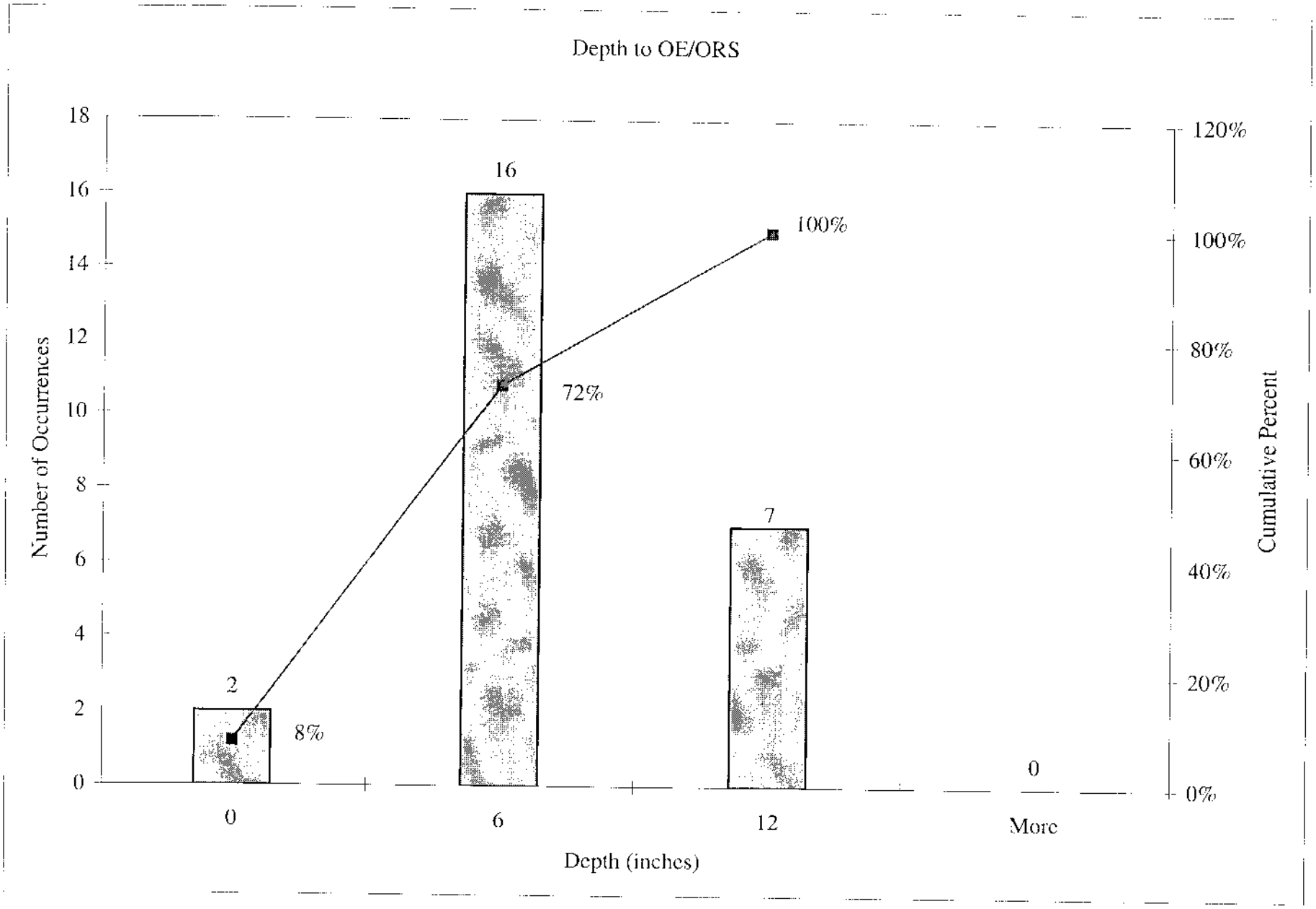


Figure 1C: Anomaly Distance Deviation

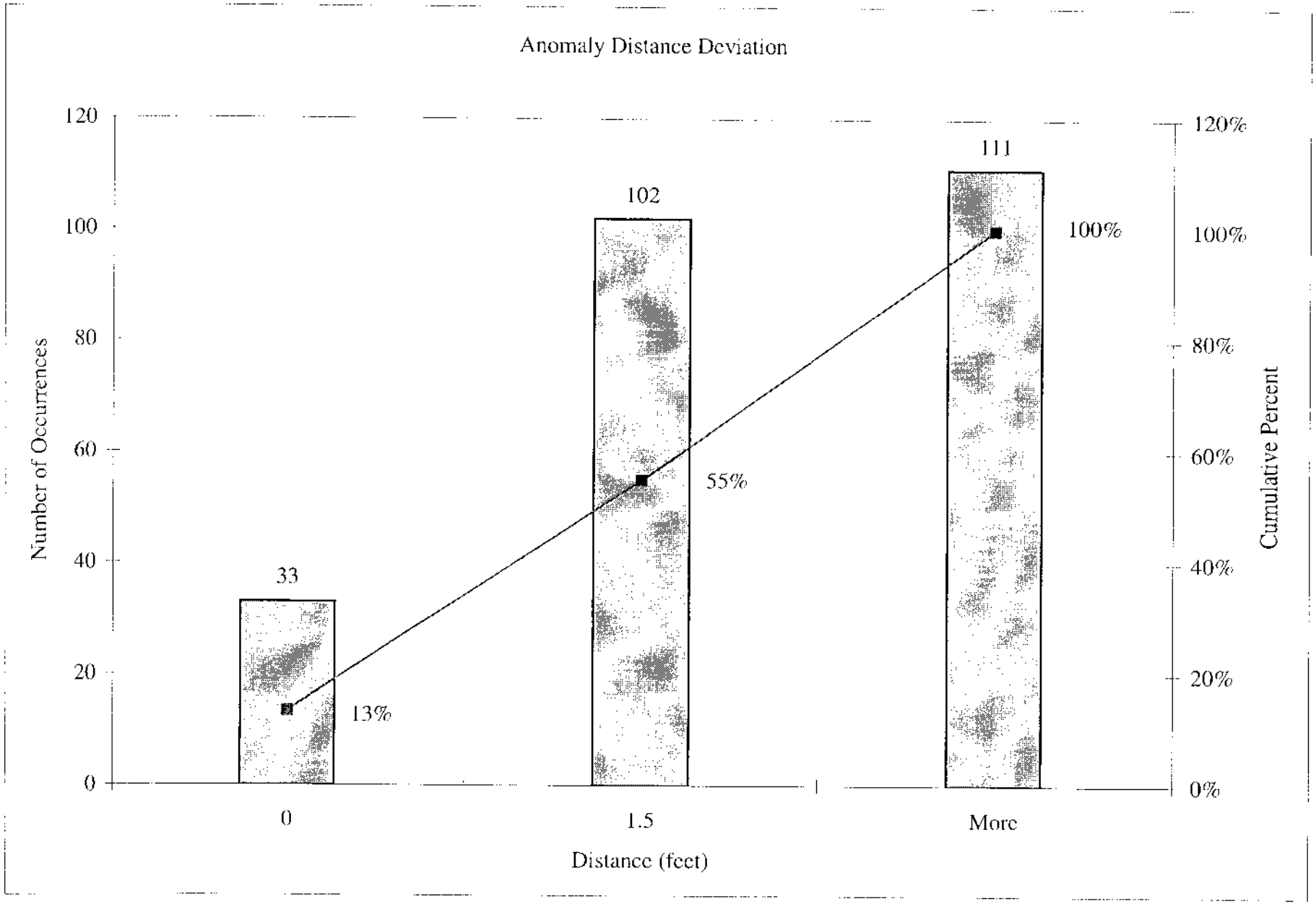


Figure 1D: OE/ORS Distance Deviation

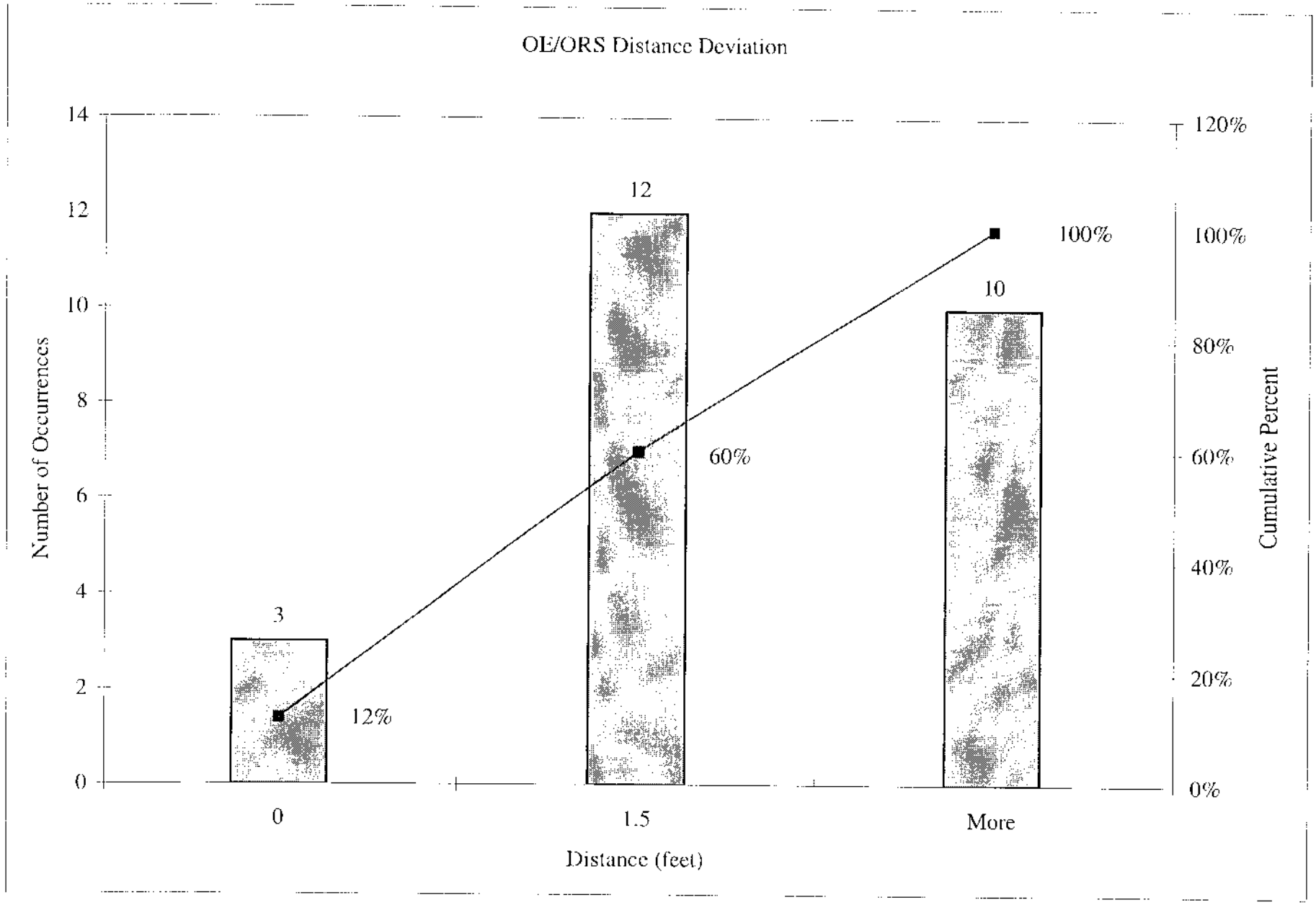


Figure 1E: Anomaly Directional Deviation from Measured Location

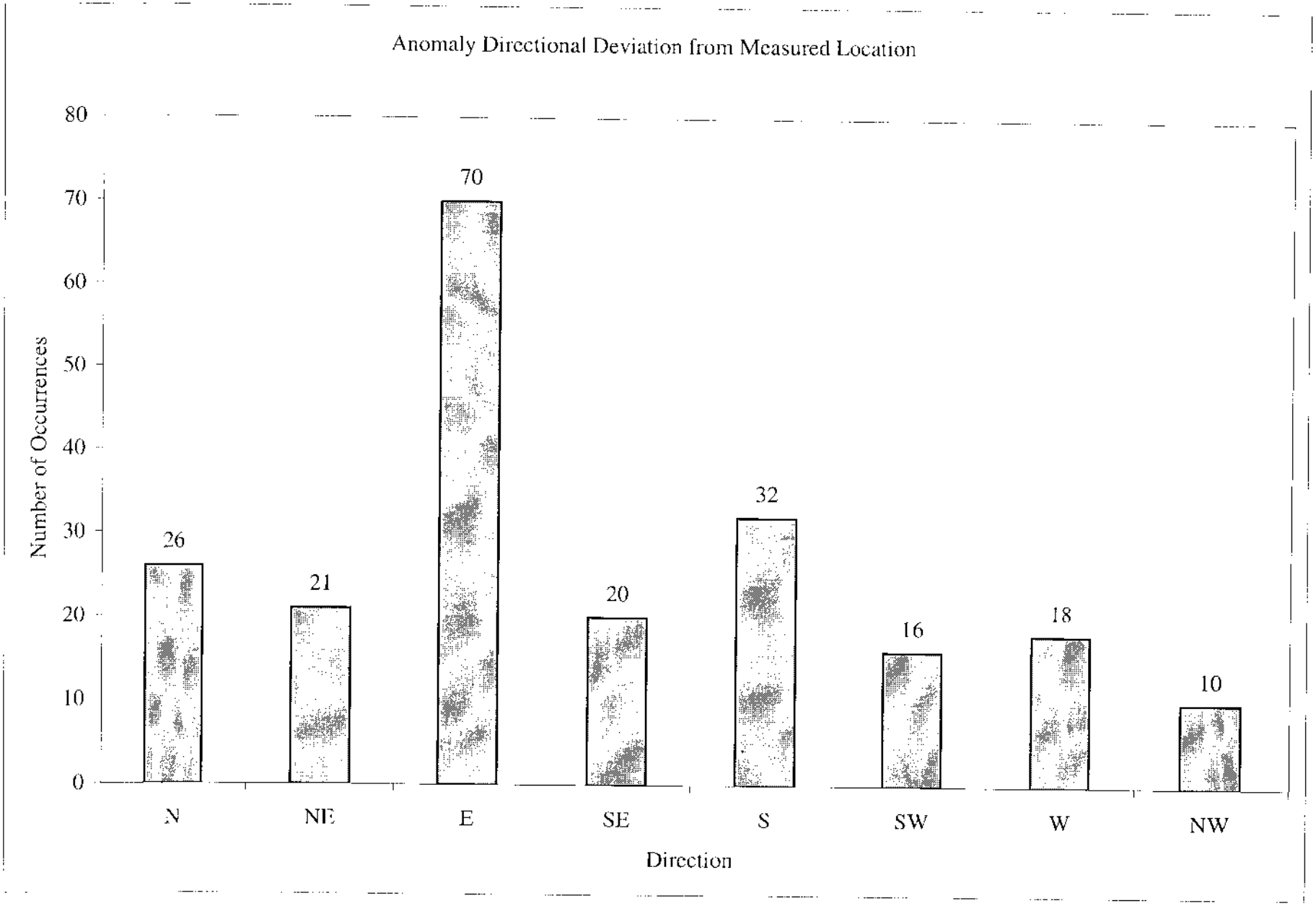
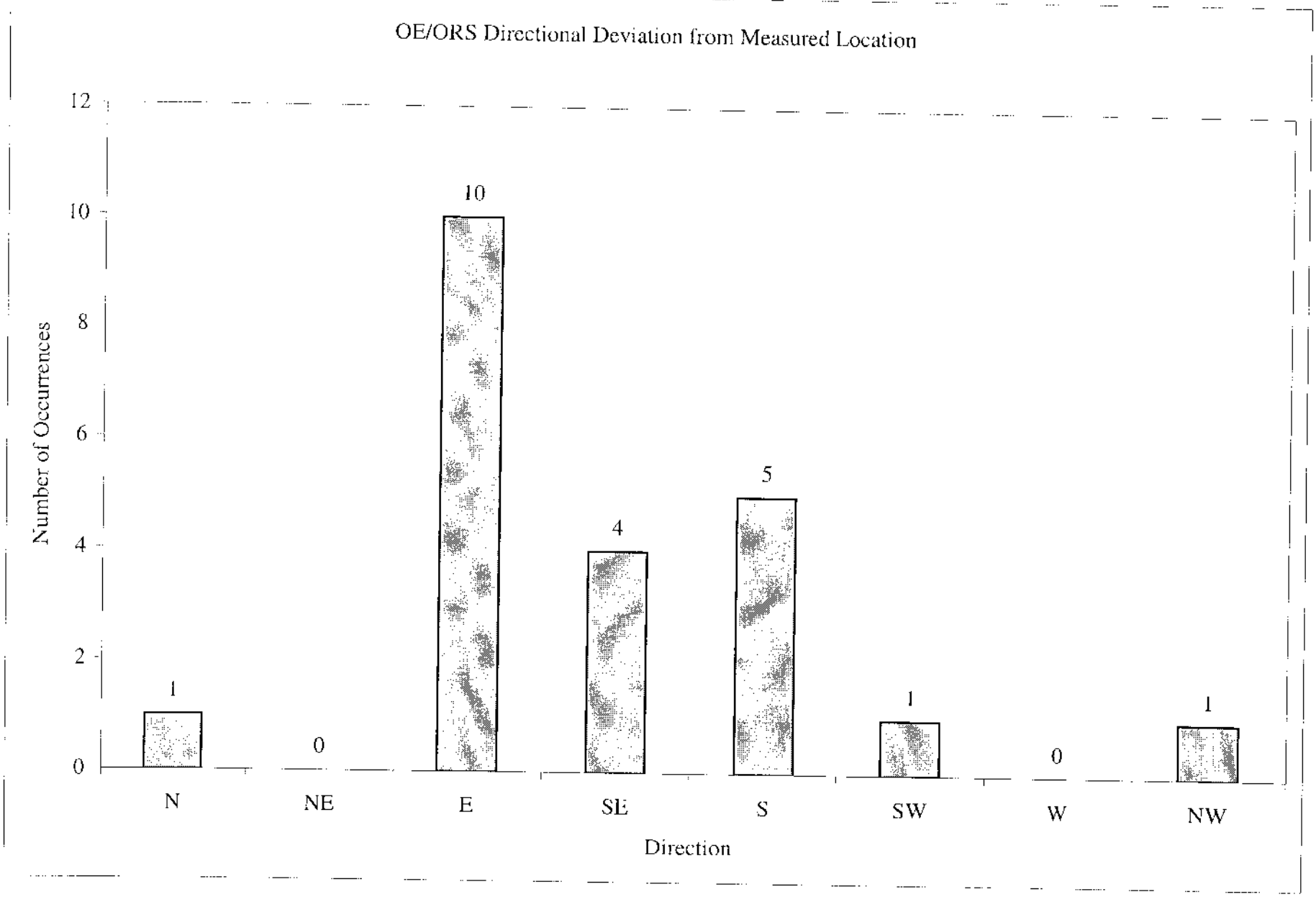


Figure 1F: OE/ORS Directional Deviation from Measured Location



APPENDIX C-2

OOU1 Estimated Anomaly and OE/ORS Calculation Sheets

ZAPATAENGINEERING Client: USAESCH Project Number: 982500
Site: Fort McClellan

1. Estimated number of anomalies, items, OE/ORS and UXO in OOU1 based on data collected in the six small areas (not including the geophysical prove-out grid in Area 1).

Total number of measured anomalies in the six areas = 1,315 anomalies

Total gridded area = 8.56 acres

Total OOU1 acreage = 103 acres (as calculated using Microstation ® SE)

Total number of items removed = 271 items

Total number of OE/ORS items = 24 items (not including UXO)

Total number of UXO items = 1 item

A.

$$\left(\frac{1{,}315\ anomalies}{8.56\ acres}\right)\times\left(\frac{103\ acres}{OOU1}\right)\cong\left(\frac{15{,}823\ anomalies}{OOU1}\right)$$

B.

$$\left(\frac{271\ items}{1{,}315\ anomalies}\right)\times\left(\frac{15{,}823\ anomalies}{OOU1}\right)\cong\left(\frac{3{,}260\ items}{OOU1}\right)$$

C.

$$\left(\frac{24\ OE/ORS}{271\ items}\right)\times\left(\frac{3{,}260\ items}{OOU1}\right)\cong\left(\frac{288\ OE/ORS}{OOU1}\right)$$

D.

$$\left(\frac{1\ UXO}{271\ items}\right)\times\left(\frac{3{,}260\ items}{OOU1}\right)\cong\left(\frac{12\ UXO}{OOU1}\right)$$

Prepared By: [signature] Date: 12 - 15 - 99

Reviewed By: [signature] Date: 2/1/00

ZAPATAENGINEERING Client: USAESCH Project Number: 982500
Site: Fort McClellan

1. Estimated number of OE/ORS items in OOU3 based on data collected during the ground reconnaissance.

Total number of discovered items = 2 items

Total investigated area = 133 acres (within bypass right-of-way)

Total OOU3 acreage = 259 acres (as calculated using Microstation ® SE)

A.

$$\left(\frac{2\ items}{133\ acres}\right)\times\left(\frac{259\ acres}{OOU3}\right)\cong\left(\frac{4\ items}{OOU3}\right)$$

Prepared By: Jason Shifflet Date: 12-15-99

Reviewed By: [illegible] Date: 2/1/00

APPENDIX D

DETAILED COST ESTIMATES

Cost Estimate Summary

The costs provided in this EE/CA represent estimates prepared by ZAPATAENGINEERING and USAESCH using their best professional judgement and experience and in consideration of information collected in the bypass. Discussions with the Alabama Department of Transportation (ALDOT) revealed that fencing would be installed by the ALDOT concurrent with highway construction and, therefore, those costs are not included in the cost estimates.

Institutional-control cost estimates include design and dissemination of informational brochures to the public and to construction workers, design and posting of warning signs along the bypass, and meetings with contractors to educate the construction workers.

Surveying costs presented in this estimate include provision for benchmarks or monuments to be established for removal efforts.

Surface-removal action and clearance-for-use cost estimates are restricted to the area within the proposed bypass alignment for each OOU. Surface-removal efforts assume the use of "mag and flag" detection, while clearance for use assumes the use of geophysical surveying techniques. Surface clearance assumes no brush clearing will be conducted, while clearance for use assumes complete brush clearing of the area. It is also assumed that a sampling barricade will not be used during removal efforts.

Construction support assumes that two UXO technicians will be on-site during construction and will respond as necessary to OE items encountered by construction workers throughout the projected three-year construction period.

OOU1

Data collected in OOU1 were statistically analyzed and used to evaluate the potential number of anomalies in this area. Of the potential 11,060 anomalies projected to be present within the alignment, approximately 23.5% are suspected to be on the surface. It is estimated that approximately 15 surface anomalies could be investigated in 3 man-hours. ZAPATAENGINEERING estimated costs for clearance-for-use based on information provided for OOU2 by the USAESCH.

OOU2

The USAESCH estimated the costs expected for implementation of the Clearance for Use alternative for the OOU2 alignment. These costs were estimated based on ground reconnaissance of areas within the proposed OOU2 right-of-way, density estimates of surface and subsurface items and current production rates of pre-construction OE support activities (Clinkenbeard, V., 19 July 1999, 13 April 2000). All of this background information suggests that OE/UXO items are within about 18 inches of the ground surface. Of course, any invasive activity provides for removal as long as anomalies are detected. ZAPATAENGINEERING estimated costs for surface clearance using information from the USAESCH's cost estimates for clearance for use.

Table 1: Cost Estimate Summary

Item	Rate	Unit	Quantity OOU1	Quantity OOU2	Quantity OOU3	Cost OOU1	Cost OOU2	Cost OOU3	Totals
Alternative 1									
Program Design	$ 25	acre	103	170	259	$ 2,575	$ 4,250	$ 6,475	$ 13,300
Program Implementation	$ 72	acre	103	170	259	$ 7,416	$ 12,240	$ 18,648	$ 38,304
					Totals	$ 9,991	$ 16,490	$ 25,123	$ 51,604
Alternative 2									
Engineering Design	$ 215	acre	103	170	259	$ 22,145	$ 36,550	$ 55,685	$ 114,380
Engineering Report	$ 113	acre	103	170	259	$ 11,639	$ 19,210	$ 29,267	$ 60,116
Site Preparation	$ 353	acre	103	170	259	$ 36,359	$ 60,010	$ 91,427	$ 187,796
OE Surface Removal	$ 519	acre	103	170	259	$ 53,457	$ 88,230	$ 134,421	$ 276,108
Post-Removal Time Critical Response	$ 625	acre	103	170	259	$ 64,375	$ 106,250	$ 161,875	$ 332,500
					Totals	$ 187,975	$ 310,250	$ 472,675	$ 970,900
Alternative 3									
Initial clearance for construction	$ 6,000	acre	103	170	259	$ 618,000	$ 1,020,000	$ 1,554,000	$ 3,192,000
Residual brush clearing	$ 1,000	acre	103	170	259	$ 103,000	$ 170,000	$ 259,000	$ 532,000
Geophysical mapping	$ 1,500	acre	103	170	259	$ 154,500	$ 255,000	$ 388,500	$ 798,000
Removal of residual OE	$ 1,500	acre	103	170	259	$ 154,500	$ 255,000	$ 388,500	$ 798,000
Removal of tree stumps	$ 3,000	acre	103	170	259	$ 309,000	$ 510,000	$ 777,000	$ 1,596,000
Additional geophysical mapping	$ 300	acre	103	170	259	$ 30,900	$ 51,000	$ 77,700	$ 159,600
Engineering Design	$ 400	acre	103	170	259	$ 41,200	$ 68,000	$ 103,600	$ 212,800
Engineering Report	$ 200	acre	103	170	259	$ 20,600	$ 34,000	$ 51,800	$ 106,400
					Totals	$ 1,431,700	$ 2,363,000	$ 3,600,100	$ 7,394,800
Alternative 4									
No DoD Action Indicated	$ -	acre	103	170	259	$ -	$ -	$ -	$ -
					Totals	$ -	$ -	$ -	$ -
Alternative 5									
UXO support during construction	$ 125,000	year	0.6	1	1.5	$ 75,000	$ 125,000	$ 187,500	$ 387,500
					Totals	$ 75,000	$ 125,000	$ 187,500	$ 387,500