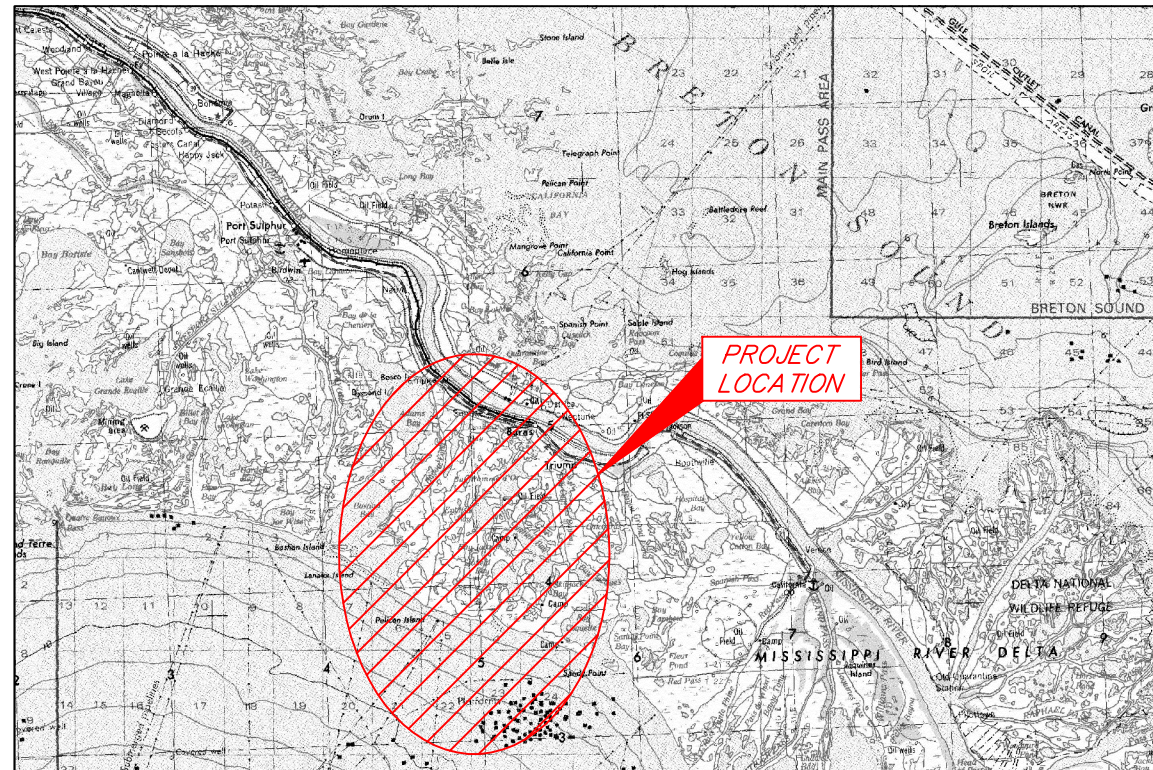


GREAT LAKES DREDGE AND DOCK COMPANY

RIVERINE SAND MINING/SCOFIELD ISLAND RESTORATION PROJECT (BA-40)

PRE-CONSTRUCTION MAGNETOMETER SURVEY SCOFIELD ISLAND BEACH/MARSH FILL AREAS

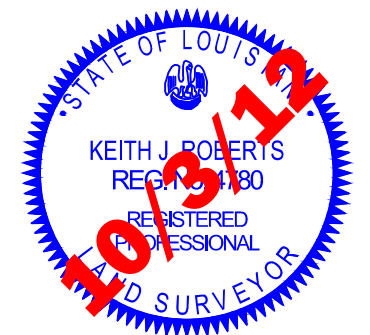
PLAQUEMINES PARISH, LA



VICINITY MAP (N.T.S.)

INDEX TO SHEETS

SHEET NO.	DESCRIPTION
1	TITLE PAGE
2	PLAN VIEW
3	MAGNETIC ANOMALY TABLES



THIS MAP REPRESENTS AN ACTUAL FIELD
SURVEY MADE UNDER DIRECT
SUPERVISION OF THE UNDERSIGNED.

Keith J. Roberts

KEITH J. ROBERTS, PLS # 4780
202 JACOBS RUN
SCOTT, LA. 70583
(337) 719-8219

REVISED BY:

DATE:

PLAN SCALE
SCALE: NTS

NTS

NTS

NTS

NTS

DATE: 10/3/12

JOB# 2121026

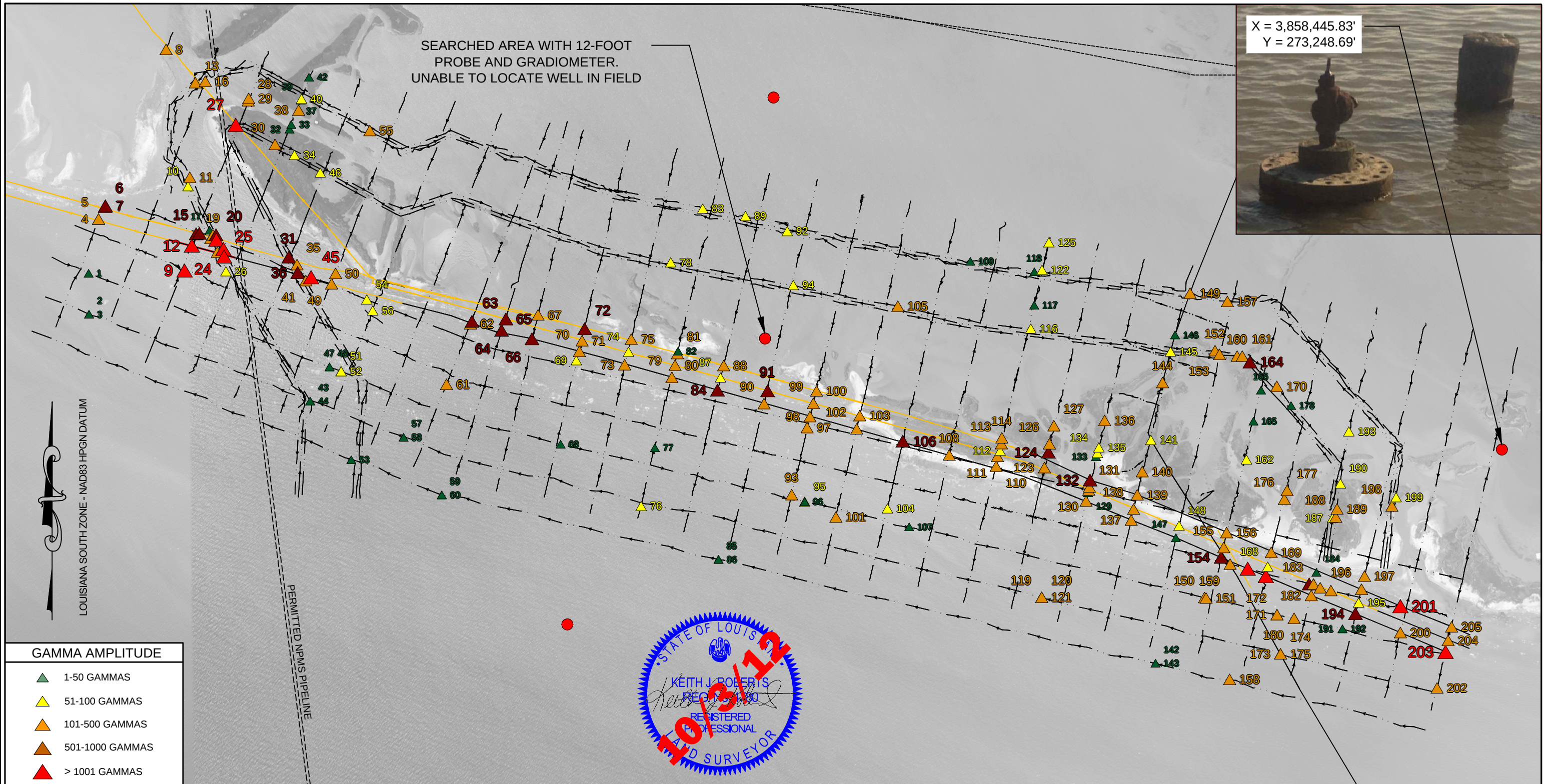
FILE: BA-40_SFA_MAG_(10032012).dwg



PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 202 JACOBS RUN, SCOTT, LA 70583

**RIVERINE SAND MINING/SCOFIELD ISLAND
RESTORATION PROJECT (BA-40)**
PRE-CONSTRUCTION MAGNETOMETER SURVEY
SCOFIELD ISLAND
BEACH/MARSH FILL AREAS
TITLE PAGE
PLAQUEMINES PARISH, LA

SHEET: 1 OF 3



- NOTES
- ALL HORIZONTAL COORDINATES ARE BASED ON LOUISIANA SOUTH ZONE - NAD83 HPGN DATUM, US SURVEY FOOT AS DERIVED FROM PROJECT CONTROL VIA GPS KINEMATIC OBSERVATIONS.
 - MAGNETOMETER SURVEY PERFORMED USING A GEOMETRICS 882 AND 858 MAGNETOMETERS.
 - THIS DRAWING INDICATES GENERAL CONDITIONS AT THE TIME OF SURVEY.
 - SURVEY DATA ACQUISITION WAS PERFORMED JUNE 7, JULY 10-13, 17-18, 24-26, AND AUGUST 24, 2012.
 - PIPELINES AND WELL LOCATIONS DEPICTED IN THIS DRAWING, OTHER THAN THOSE VERIFIED, ARE FROM VARIOUS SOURCES: DEPT. OF NATURAL RESOURCES (DNR) SONRIS DATABASE, NATIONAL PIPELINE MAPPING SYSTEM (NPMS), AND OTHER SURVEY COMPANIES.

- LEGEND
- VERIFIED PIPELINE
 - GIS PIPELINES (see Note 5)
 - PIPELINE POSITION BY MAGNETOMETER
 - MAGNETOMETER SURVEY LINE
 - WELL LOCATION (see Note 5)

REVISED BY: _____ DATE: _____

HORIZONTAL SCALE
1" = 1,000'

1,000' 0' 500' 1,000'

DATE: 10/3/12 JOB# 2121026

HYDROTERRA
TECHNOLOGIES, LLC
LAND SURVEY AND HYDROGRAPHIC SOLUTIONS

GREAT LAKES
IMPROVEMENTS

PREPARED BY: HYDROTERRA TECHNOLOGIES, LLC. - 202 JACOBS RUN, SCOTT, LA 70583

FILE: BA-40_SFA_MAG_(10032012).dwg

RIVERINE SAND MINING/SCOFIELD ISLAND RESTORATION PROJECT (BA-40)
PRE-CONSTRUCTION MAGNETOMETER SURVEY
SCOFIELD ISLAND
BEACH/MARSH FILL AREAS
PLAN VIEW
PLAQUEMINES PARISH, LA

SHEET: 2 OF 3

Ref	Line	Easting	Northing	Signature Amplitude	Signature Width	Signature Type	Description
1	20	3843728	275083	12	38	M onopole	
2	17	3843732	274657	14	173	M onopole	
3	17	3843733	274656	14	157	M onopole	
4	1	3843832	275649	435	97	Dipole	
5	1	3843832	275650	435	195	Dipole	Pipeline
6	1	3843900	275780	662	128	Dipole	
7	1	3843903	275787	661	161	Dipole	Pipeline
8	40	3844535	277417	355	49	Dipole	Pipeline
9	2	3844727	275113	2851	59	M onopole	
10	5	3844764	275991	96	124	M onopole	
11	4	3844782	276084	156	71	M onopole	
12	36	3844803	275372	2074	104	Dipole	
13	5	3844840	277069	336	222	Dipole	Pipeline
14	36	3844849	275495	702	103	M onopole	Pipeline
15	1	3844882	275600	642	206	Complex	Pipeline
16	41	3844943	277084	243	151	M onopole	Pipeline
17	5	3844989	275633	47	84	M onopole	Pipeline
18	6	3845000	275449	267	133	M onopole	Pipeline
19	5	3845024	275485	384	48	Dipole	Pipeline
20	7	3845056	275485	671	142	Dipole	Pipeline
21	1	3845059	275434	1089	351	Complex	Pipeline
22	10	3845062	275404	391	99	Dipole	Pipeline
23	6	3845069	275305	481	183	Dipole	
24	7	3845132	275337	1862	145	Dipole	Pipeline
25	10	3845139	275258	2070	114	Dipole	
26	10	3845158	275105	91	67	M onopole	
27	2	3845260	276630	1163	92	M onopole	Pipeline
28	37	3845390	276882	418	24	M onopole	
29	37	3845395	276907	116	36	Dipole	
30	3	3845670	276427	457	66	Complex	
31	3	3845814	275254	554	2713	M onopole	Pipeline
32	39	3845820	276584	40	13	Dipole	
33	39	3845838	276633	44	11	M onopole	
34	3	3845872	276318	93	35	M onopole	
35	4	3845898	275175	328	2799	M onopole	Pipeline
36	3	3845906	275091	520	148	Dipole	Pipeline
37	39	3845909	276775	50	13	Dipole	
38	39	3845915	276783	145	17	M onopole	
39	39	3845940	276888	35	13	M onopole	
40	39	3845945	276901	87	11	Dipole	
41	4	3845990	275009	399	147	Dipole	Pipeline
42	39	3846024	277126	25	12	Dipole	
43	17	3846036	273754	37	183	Complex	
44	17	3846036	273754	37	195	Dipole	
45	1	3846046	275043	1472	598	Complex	Pipeline
46	4	3846141	276133	73	55	Dipole	
47	20	3846237	274108	28	58	Dipole	
48	20	3846237	274108	28	51	Dipole	
49	858	3846259	274975	250	100	--	Pipeline
50	858	3846300	275083	200	90	--	Pipeline
51	20	3846357	274064	72	114	M onopole	
52	20	3846358	274064	72	114	M onopole	
53	21	3846463	273142	42	75	Dipole	
54	858	3846626	274812	60	300	--	
55	5	3846657	276572	307	46	Dipole	
56	858	3846687	274696	80	75	--	
57	17	3847007	273376	28	31	M onopole	
58	17	3847008	273376	25	39	M onopole	
59	21	3847405	272775	26	64	M onopole	
60	21	3847407	272775	26	83	M onopole	
61	24a	3847456	273928	149	51	Dipole	
62	858	3847705	274568	255	121	--	Pipeline
63	24a	3847721	274583	589	135	M onopole	Pipeline
64	26	3848029	274490	535	75	M onopole	Pipeline
65	26	3848073	274609	537	118	M onopole	Pipeline
66	22	3848345	274402	743	73	M onopole	Pipeline
67	22	3848409	274651	174	50	Dipole	Pipeline
68	20	3848643	273303	19	46	Dipole	
69	23	3848807	274179	74	21	M onopole	
70	23	3848839	274271	234	99	M onopole	Pipeline

Ref	Line	Easting	Northing	Signature Amplitude	Signature Width	Signature Type	Description
71	858	3848867	274382	325	100	--	Pipeline
72	858	3848893	274506	680	75	--	Pipeline
73	858	3849310	274131	400	75	--	Pipeline
74	858	3849350	274267	100	35	--	Pipeline
75	858	3849379	274399	130	80	--	
76	21	3849482	272661	89	73	Dipole	
77	21	3849626	273267	38	33	Monopole	
78	2A	3849791	275198	76	100	Monopole	Pipeline
79	858	3849802	274000	500	75	--	Pipeline
80	858	3849836	274127	200	125	--	Pipeline
81	858	3849860	274248	125	50	--	Pipeline
82	858	3849867	274274	50	40	--	
83	6	3850123	275759	98	166	Complex	
84	858	3850277	273867	800	250	--	Pipeline
85	21	3850287	272103	15	393	Complex	
86	21	3850289	272103	14	152	Monopole	
87	858	3850309	273998	100	200	--	Pipeline
88	858	3850342	274123	480	150	--	Pipeline
89	6	3850568	275681	52	90	Monopole	
90	858	3850762	273727	300	57	--	Pipeline
91	858	3850798	273860	530	135	--	
92	4	3851003	275524	53	124	Monopole	
93	16	3851051	272779	140	44	Monopole	
94	2A	3851067	274962	72	254	Dipole	
95	20	3851186	272705	51	72	Dipole	
96	20	3851186	272705	50	76	Dipole	
97	858	3851211	273477	170	83	--	Pipeline
98	858	3851240	273592	200	48	--	Pipeline
99	858	3851275	273730	320	116	--	Pipeline
100	858	3851308	273858	380	69	--	Pipeline
101	17	3851510	272545	430	79	Dipole	
102	858	3851727	273463	330	100	--	Pipeline
103	858	3851759	273602	150	120	--	Pipeline
104	14	3852047	272635	99	53	Dipole	
105	2A	3852155	274742	220	59	Monopole	
106	858	3852207	273335	800	133	--	
107	20	3852273	272443	10	51	Dipole	
108	858	3852690	273192	310	100	--	Pipeline
109	6	3852910	275208	47	210	Complex	
110	858	3853178	273076	150	105	--	
111	12	3853192	273179	403	95	Dipole	Pipeline
112	12	3853221	273237	76	26	Dipole	
113	12	3853233	273311	262	83	Monopole	Pipeline
114	12	3853238	273370	149	37	Dipole	
115	12	3853257	273419	0	49	Dipole	
116	2A	3853641	274508	59	287	Dipole	
117	12	3853676	274752	50	31	Dipole	
118	6	3853677	275100	39	72	Monopole	
119	17	3853653	271711	240	67	Monopole	
120	17	3853653	271711	240	67	Monopole	
121	17	3853653	271711	241	88	Monopole	
122	12	3853657	275120	51	113	Complex	Pipeline
123	13	3853682	273060	283	86	Monopole	
124	13	3853724	273220	583	89	Dipole	
125	12	3853729	275406	51	57	Monopole	
126	13	3853734	273309	153	63	Complex	
127	13	3853780	273497	144	35	Complex	
128	858	3854116	272712	200	150	--	Pipeline
129	858	3854136	272799	40	100	--	
130	858	3854143	272827	110	50	--	Pipeline
131	858	3854151	272858	130	50	--	Pipeline
132	10	3854157	272930	583	85	Monopole	Pipeline
133	10	3854219	273174	40	35	Complex	Pipeline
134	10	3854234	273214	100	17	Complex	
135	10	3854249	273271	57	34	Complex	
136	10	3854309	273552	419	52	Dipole	
137	858	3854586	272514	110	55	--	
138	858	3854611	272629	230	100	--	
139	858	3854649	272777	120	150	--	
140	11	3854700	273019	122	37	Dipole	

Ref	Line	Easting	Northing	Signature Amplitude	Signature Width	Signature Type	Description
141	11	3854791	273349	84	37	Dipole	Pipeline?
142	21	3854839	271022	18	64	Monopole	
143	21	3854839	271022	18	77	Monopole	
144	11	3854912	273946	108	54	Monopole	Pipeline?
145	3	3854996	274268	100	20	Monopole	Pipeline?
146	11	3855042	274441	50	24	Dipole	Pipeline?
147	858	3855051	272329	50	75	-	
148	858	3855083	272456	60	50	-	
149	5	3855199	274877	117	360	Dipole	Pipeline?
150	20	3855349	271707	226	281	Complex	
151	20	3855365	271702	226	303	Dipole	
152	2A	3855458	274278	130	163	Dipole	
153	8	3855505	274240	111	118	Dipole	
154	858	3855522	272126	600	120	-	Pipeline?
155	858	3855549	272228	120	75	-	Pipeline?
156	858	3855578	272384	140	160	-	Pipeline?
157	4	3855687	274792	119	55	Dipole	
158	21	3855611	270856	288	106	Monopole	
159	2	3855615	272056	414	99	Monopole	Pipeline?
160	3	3855689	274221	158	17	Monopole	
161	3	3855742	274222	426	13	Monopole	
162	9	3855786	273146	89	29	Dipole	
163	2	3855798	272007	3129	238	Complex	Pipeline
164	3	3855822	274160	924	31	Dipole	
165	9	3855858	273543	25	122	Monopole	
166	9	3855937	273867	23	41	Monopole	
167	858	3855987	271930	1700	120	-	Pipeline
168	858	3856007	272028	70	100	-	Pipeline
169	858	3856044	272177	220	75	-	Pipeline
170	2A	3856102	273906	276	65	Dipole	
171	20	3856103	271528	286	133	Dipole	
172	20	3856103	271528	286	135	Monopole	
173	17	3856141	271121	351	132	Monopole	Pipeline
174	17	3856141	271121	351	132	Monopole	Pipeline
175	17	3856141	271121	352	223	Dipole	Pipeline?
176	6	3856181	272732	118	46	Monopole	
177	6	3856209	272823	142	60	Dipole	
178	2A	3856250	273707	28	26	Monopole	
179	20	3856282	271490	303	155	Dipole	Pipeline
180	20	3856282	271490	302	156	Dipole	Pipeline
181	2	3856438	271849	871	133	Monopole	Pipeline
182	7	3856461	271728	354	68	Dipole	Pipeline
183	858	3856484	271847	210	120	-	Pipeline
184	858	3856514	271969	40	75	-	Pipeline
185	2	3856553	271808	482	91	Monopole	Pipeline
186	2	3856665	271781	390	121	Monopole	
187	3	3856682	272536	90	56	Monopole	
188	2	3856715	272546	151	56	Dipole	
189	2	3856728	272631	110	48	Dipole	
190	2	3856763	272895	81	130	Complex	
191	20	3856785	271380	23	63	Dipole	
192	21	3856785	271380	23	38	Dipole	
193	6	3856852	273437	88	118	Monopole	Pipeline
194	4	3856921	271538	594	61	Monopole	Pipeline
195	858	3856954	271653	60	75	-	Pipeline
196	858	3856984	271794	140	82	-	
197	858	3857015	271931	140	67	-	
198	5	3857301	272661	216	36	Dipole	
199	6	3857344	272752	72	42	Monopole	
200	5	3857388	271342	303	86	Monopole	
201	2	3857389	271617	1073	201	Dipole	Pipeline
202	3	3857771	270766	217	55	Monopole	
203	3	3857858	271141	1017	77	Monopole	Pipeline
204	3	3857885	271260	418	75	Monopole	Pipeline
205	3	3857922	271403	178	43	Monopole	Pipeline