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Date: 05/22/2006

From: Ben Foster, John Alonso, Andrew
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BBL

cc: Tina Armstrong – Lockheed Martin
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Re: **2006 Private Well Survey**
Tallevast, FL

On behalf of Lockheed Martin, BBL is herewith presenting the results of a private well survey and sampling that took place during site assessment investigations of the former American Beryllium Company facility in Tallevast, FL in 2006.

Background Information

Lockheed Martin Corporation (Lockheed Martin) has assumed responsibility for the assessment and cleanup of environmental impacts from the former American Beryllium Company (ABC) facility (facility) located at 1600 Tallevast Road in Tallevast, Manatee County, Florida. These obligations are being conducted pursuant to the requirements detailed in Consent Order No. 04-1328 executed by and between Lockheed Martin and the Florida Department of Environmental Protection (FDEP), effective July 28, 2004. These assessment activities comply with applicable sections of Chapter 62-780, Florida Administrative Code (F.A.C.), and Section 376.30701 of the Florida Statutes (FS). As required by Chapter 62-780, and as part of activities associated with the Site Assessment Report Addendum 3 (SARA 3), BBL has performed an expanded well survey to determine whether any public (including regulated wellhead protection zones) or private water supply wells (including potable, irrigation, or industrial) were present within a ½ mile of the footprint of the updated groundwater plume (SARA 3; BBL, 2006).

Historical records indicate that portions of the Surficial Aquifer System (SAS), Intermediate Aquifer System (IAS), and the Floridan Aquifer System (FAS) in the site area were historically pumped for residential, irrigation, and industrial water supply uses (BBL, 2006). Previous well surveys identified more than 50 private wells near the facility. Some of these wells were reported to have been completed as open-hole wells generally exceeding depths of 100 feet below ground surface (bgs). An open-hole well is constructed with no screen or casing materials below a certain depth and relies on the strength of the geologic materials to keep the well open. This is an important fact because an open-hole well can provide a vertical pathway for groundwater to flow between water-bearing units that, under natural conditions, would be isolated. Lockheed Martin is currently working with the Florida Department of Environmental Protection (FDEP), Manatee County Environmental Management Department, and local well owners to properly abandon former water supply wells and reduce the number of open-hole wells in the vicinity of the facility.

Private Well Identification

The identification of existing or former wells was accomplished by examining the existing records at the Southwest Florida Water Management District (SWFWMD) and the Manatee County Environmental Management Department. Information on private wells located closer to the facility is also contained in a previous SARA report (SARA 2; TetraTech, 2005). The desktop search was augmented with a field reconnaissance in the form of a door-to-door survey conducted through March of 2006. Absent property owners were supplied with mail-in survey forms asking for relevant information (see Appendix 1). A number of completed forms have been received by Lockheed Martin. In addition to the field reconnaissance, an EDR database search was also conducted to identify any municipal supply wells within ½ mile of the site.

The water supply wells identified during the recent and previous expanded well surveys are listed in **Table 1**. The locations of these wells are shown on **Figure 1**.

Following their identification, accessible wells were sampled for select analytes (i.e., volatile organic chemicals [VOCs] and semi-volatile organic chemicals [SVOCs]). Split sampling and analysis were conducted for this project. During the sampling work, recovered groundwater was alternately placed within the sampling containers provided by the different laboratories to minimize sampling bias. Two laboratories provided the majority of analytical services. This included ENCO Laboratories located in Orlando, Florida and Severn Trent Laboratories (STL) located in Tampa, Florida. Collected groundwater samples were sent to both laboratories for the analysis of the same compounds. This additional effort resulted in a minimum of two separate sets of laboratory results for each sample collected. Both laboratories analyzed the groundwater samples for TCE, PCE, 1,1 DCE, 1,1-DCA, and cis 1,2-DCE by USEPA Method 8260. ENCO analyzed the water samples for 1,4-dioxane using USEPA Method 8260 SIM and also by USEPA Method 8260 in the scan mode. STL analyzed the samples for 1,4-dioxane by a modified version of USEPA Method 8270. The groundwater analyses previously conducted at this site had utilized a modified version of USEPA Method 8270 for 1,4-dioxane. Both the USEPA Method 8260 SIM by ENCO and the modified USEPA Method 8270 by STL have been approved for use by the respective laboratory within the State of Florida.

In addition to the split sampling program involving ENCO and STL, one sample was also taken for Alpha Woods Hole Laboratory to analyze for 1,4-dioxane. The purpose of this analysis was to assist in evaluation of the preferred analytical method for 1,4-dioxane (i.e., USEPA Method 8260 SIM or USEPA Method 8270).

In most cases, the existing pumping system of the well had to be used to obtain groundwater samples. Sufficient water was removed from each system to ensure that stagnant water was not collected.

The analytical results from the private well sampling are provided in **Table 2**.

Results and Discussion

Well surveys conducted as part of the site assessment process have identified approximately 100 properties that reported having at least one well currently or formerly used for potable, irrigation, or industrial purposes. The well depth ranged from 14 to 780 feet and ranged in diameter from 2 to 8 inches. The predominant use of the identified wells was irrigation of ornamental plants and grass (i.e., landscaping application). Some wells were reported as sources of potable water and

industrial process water. Some of these wells have been closed by Lockheed Martin, or are no longer operable, or cannot be currently located, as noted on **Table 1**.

The current expanded well survey did not identify any public water supply wells located within ½ mile of the groundwater plume area. The survey also confirmed that the updated groundwater plume area was not located within the regulated wellhead protection zone of a public water supply well or a well field (DSR, 2006).

Analytical results from the wells first sampled by Lockheed Martin in 2006 revealed several locations where the maximum concentrations of groundwater analytes exceeded the groundwater cleanup target levels (GCTLs). Specifically, the maximum levels of 1,4-dioxane exceeded the GCTL threshold of 3.2 µg/L at ten locations (**Table 2; Figure 2**). Two of these wells are located almost due east of the former ABC facility along Tallevast Road. The contamination in these two wells is currently believed to be related to the groundwater impacts from the former ABC facility. The maximum levels of another COC, trichloroethene, exceeded the GCTL of 3 µg/L at two locations (**Table 2; Figure 2**). One of these locations is within the defined footprint of the groundwater plume associated with the former ABC facility.

Although not specifically related to delineation of groundwater impacts associated with the former ABC facility, samples obtained from certain water supply wells beyond the limits of site-impacted groundwater (wells due north-east of the facility; **Figure 2**) contained detectable concentrations of 1,4-dioxane, trichloroethene (TCE), and dichloroethene (DCE). In some cases, the levels of 1,4-dioxane were detected at concentrations greater than GCTLs. Given that these locations are near other industrialized areas, and considering their distance from the former ABC facility's defined groundwater impact area, these detections do not appear to be site related. **Figure 3** depicts the location of the defined groundwater plume and the private wells reporting detectable concentrations of COCs. While notable, these data from the private wells do not relate to the delineation of site-related groundwater.

Conclusions

Private well surveys near the former ABC facility have identified approximately 100 properties that had reported at least one current or former well for potable, irrigation, or industrial purposes. There were no public water supply wells located within ½ mile of the plume. Testing of accessible wells sampled as part of the SARA 3 expanded well survey revealed elevated levels of 1,4-dioxane in ten wells and trichloroethene in two wells.

References

- Blasland, Bouck, & Lee. 2006. Site Assessment Report Addendum 3. Former ABC Site, Tallevast Florida. Draft, April 27, 2006.
- Environmental Data Resources. 2006. March, 2006 Physical Setting Source Inquiry for Tallevast, FL. EDR, Milford, CT.
- TetraTech. 2005. Site Assessment Report Addendum 2. Former ABC Site, Tallevast Florida. August 2005.

Attachments

Table 1. Listing of Private Wells Near the Former ABC Site.

Table 2. Summary of Analytical Results from Private Well Sampling.

Figure 1. Location of Private Wells.

Figure 2. Concentration of Constituents of Concern in Private Wells.

Figure 3. Location of Private Wells Relative to the Combined Plume.

Appendix 1. Door-to-Door Blank Survey.

TABLE 1
EXPANDED WELL SURVEY 2006
RESULTS FROM SARA 3 INVESTIGATIONS
FORMER AMERICAN BERYLLIUM COMPANY SITE
TALLEVAST, FLORIDA

No	Property Address ¹	Owner's Name	Well Usage	Casing Diameter (Inches)	Casing Material	Casing Depth (Feet)	Depth to Water Table (Feet)	Total Depth (Feet)	Date Sampled
1	7061 15th St E	Lewander, Lars	Irrigation	NA	NA	NA	NA	NA	12-Apr-06
2	7205 15th St E	Benderson Development Co Inc	Unknown	8	Steel	780	NA	780	Not found
3	7205 15th St E	Bradenton Commerce Center	Irrigation	4	Steel	36	11	235	2005
4	7230 15th St E	Warehouse (Tom Solich)	Irrigation	NA	NA	NA	NA	NA	Not sampled
5	7260 15th St E	Mader Electric	Irrigation	4	Steel	46	NA	165	5-Apr-06
6	7501 15th St E	Goodwill	Former Industrial	4	Steel	NA	12	NA	4-Apr-06
7	7561 15th St E	Walter, Thomas	Potable	NA	NA	NA	NA	NA	14-Jul-05
8	7571 15th St E	Walter, Thomas	Potable	NA	NA	NA	NA	NA	14-Jul-05
9	7601 15th St E	NA	Industrial	NA	NA	NA	NA	NA	Not found
10	7715 15th St E	SMAA	Irrigation	5	PVC	3	NA	18	2005
11	7741 15th St E	SMAA	Irrigation	5	PVC	221	NA	360	2005
12	7851 15th St E	Airport Authority	Irrigation	5	PVC	250	NA	480	2005
13	8011 15th St E	Innovation Marine Corp	Irrigation	5	PVC	210	NA	375	6-Jul-05
14	8161 15th St E	Chris Craft Acquisition	Irrigation	2	PVC	4	NA	14	5-Apr-06
15	7455 16th St E	Benderson Development Co Inc	Irrigation	5	PVC	76	6	90	5-Apr-06
16	7604 16th St E	Robinson, Willie	Potable	2	Steel	30	NA	74.5	2005
17	7608 16th St E	Robinson, Willie	Potable	2	Steel	30	NA	74.5	2005
18	7609 16th St E	Bryant, Calvin	Unknown	4	NA	18	NA	18	2005
19	7609 16th St E	Bryant, Calvin	Potable	4	PVC	32	21	140	2005
20	7616 16th St E	Washington, Wanda	Former Potable	3	Steel	35	NA	97	2005
21	7620 16th St E	Mazon, Dorothy	Former Irrigation	NA	NA	NA	NA	NA	2005
22	7621 16th St E	Peterson, Milton	Former Potable	4	Steel	37	15.81	233	2005
23	7624 16th St E	Sloan, Eugene	Former Irrigation	2	Steel	30	13.21	90.8	2005
24	7602 16th St Ct E	Pinkney Hall, Roberta Lamb	Inoperable	NA	NA	NA	NA	NA	2005
25	7605 17th St E	Bryant, Linda Joyce	Unknown	NA	NA	NA	NA	NA	2005
26	7619 17th St E	Rowe, Ernestine	Former Irrigation	1.5	Steel	NA	NA	NA	2005
27	7623 17th St E	Moore, James	Former Irrigation	NA	NA	NA	NA	NA	2005
28	7819 17th St E	Wesley, Elizabeth	Former Irrigation	NA	NA	NA	NA	NA	2005
29	7715 17th St Ct E	Pryor, Carolyn	Unknown	NA	NA	NA	NA	NA	2005
30	7716 17th St Ct E	Davis, Lizzie	Former Irrigation	3	Steel	30	14.1	30	2005
31	7813 17th St Ct E	Smith, Ervin	Former Irrigation	NA	NA	NA	NA	NA	2005
32	7515 18th St E	Carmichael, Tony	Former Potable	2	Steel	24	15.1	24	2005
33	7519 18th St E	Sims, Essie Mae	Former Potable	4	Steel	29	17.41	170.6	2005
34	7609 18th St E	McKnight, Earnest	Former Potable	6	Steel	29	15.3	153	2005
35	7603 18th St E	McKnight, Earnest	Former Potable	NA	NA	NA	NA	NA	2005
36	7611 18th St E	Davis, Abram	Former Potable	3	Steel	67	15.3	102.2	2005
37	7615 18th St E	Brown, Sylvester	Former Potable	3	Steel	28	15.64	69	2005/well closed
38	7619 18th St E	Bryant, Frank	Former Potable	2	Steel	37	16.24	105.6	2005
39	7624 19th St E	McKnight, Loretta	Former Potable	4	Steel	32	16.3	114	2005

**TABLE 1
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FORMER AMERICAN BERYLLIUM COMPANY SITE
TALLEVAST, FLORIDA**

No	Property Address ¹	Owner's Name	Well Usage	Casing Diameter (Inches)	Casing Material	Casing Depth (Feet)	Depth to Water Table (Feet)	Total Depth (Feet)	Date Sampled
40	7600 19th St E	Wesley, Michael	Former Irrigation	NA	NA	NA	NA	NA	2005
41	7603 19th St E	Sloan, Louise	Former Irrigation	4	PVC	31	14.6	96.4	2005
42	7175 21st St E	Circle L Holdings of Manatee	Irrigation	4	Steel	61	15	109	Well closed
43	7178 21st St E	NMB LLC	Irrigation	4	NA	NA	NA	NA	Not found
44	7205 21st St E	DFM, Inc	Irrigation	4	Steel	36	11	120	9-Apr-06
45	7207 21st St E	B&C LLC	Irrigation	NA	NA	NA	NA	NA	9-Apr-06
46	7216 21st St E	Florida Loaders Enterprises	Irrigation	5	PVC	80	10	125	9-Apr-06
47	7245 21st St E	KEB Holdings LLC	Irrigation	4	NA	NA	NA	NA	10-Apr-06
48	7212 24th Ct E	D&D Dynasty Buildings, Inc	Irrigation	5	PVC	80	12	120	4/3 and 4/9/2006
49	7116 24th Ct E	D&D Dynasty Buildings, Inc	Irrigation	5	PVC	80	12	120	3-Apr-06
50	7220 24th Ct E	D&D Dynasty Buildings, Inc	Irrigation	5	PVC	80	12	120	9-Apr-06
51	7126 24th Ct E	Cahill, Mark	Irrigation	5	PVC	80	12	120	No power.
52	7350 26th Ct E	Kerr/Berry Plastics	Irrigation	NA	NA	NA	NA	NA	Not used
53	7500 26th Ct E	Ring Power Corp	Irrigation	5	PVC	57	10	440	Refused access
54	7845 27th St E	Esther Bray	Irrigation	NA	NA	NA	NA	NA	Not used.
55	1905 72nd Dr E	Glass House	Irrigation	4	Steel	34	12	120	14-Apr-06
56	1915 72nd Dr E	Brouck Concrete	Irrigation	4	Steel	50	17	125	10-Apr-06
57	2337 72nd Dr. S	Fish House LLC	Irrigation	4	Steel	NA	NA	NA	9-Apr-06
58	2217 72nd Ave E	Vivatex	Irrigation	4	Steel	47	18	125	12-Apr-06
59	2227 72nd Ave E	Molyneaux, Charles	Irrigation	4	Steel	38	11	120	12-Apr-06
60	2305 72nd Ave E	Sarasota Precision Engine	Irrigation	4	Steel	47	18	125	Not sampled
61	1709 76th Ave Dr E	Bryant, Carter	Former Irrigation	NA	NA	NA	NA	NA	2005
62	1710 76th Ave Dr E	Bryant, Fred	Former Irrigation	2	Steel	32	16.4	64	Not used.
63	1714 76th Ave Dr E	Bryant, Fred	Former Irrigation	2	Steel	32	16.4	64	Not used.
64	1701 Biotech Way	HQ Prop Inc.	Irrigation	NA	NA	NA	NA	NA	3-Apr-06
65	7524 Commerce Place	Isabel Norton	Irrigation	NA	NA	NA	NA	NA	Not used.
66	7575 Commerce St	McCullough, Heidi	Irrigation	NA	NA	NA	NA	NA	Not sampled
67	1401 Commerce Blvd	Tropitone Furniture Co.	NA	NA	NA	NA	NA	NA	Not found
68	1234 Clyde Jones Rd	Jones Aviation	Current Monitoring	2	PVC	8.5	NA	18.5	2005
69	1227 Hardin Ave	Studio 21 Lighting	NA	NA	NA	NA	NA	NA	Well closed
70	1309 Hardin Ave	Crowe, Stephen	Former Potable	NA	NA	NA	NA	NA	12-Jul-05
70	1305 Hardin Ave	Crowe, Stephen	Former Potable	NA	NA	NA	NA	NA	12-Jul-05
71	1375 Hardin Ave	Eric Wooley	Former Potable	NA	NA	NA	NA	NA	Well Closed
72	1403 Hardin Ave	Eric Wooley	Former Potable	NA	NA	NA	NA	NA	Well Closed
73	8011 Innovation Way	NA	Irrigation	NA	NA	NA	NA	NA	14-Apr-06
74	7725 Matoaka Rd	Harden, John	Irrigation	4	Steel	31	18	155	Not found
75	904 Ponderosa Pine Lane	NA	Irrigation	NA	NA	NA	NA	NA	4-Apr-06
76	905 Ponderosa Pine Lane	Gretchen Johnson	Irrigation	NA	NA	NA	NA	NA	Not used
77	916 Ponderosa Pine Lane	Mary Dottman	NA	NA	NA	NA	NA	NA	Not sampled

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No	Property Address ¹	Owner's Name	Well Usage	Casing Diameter (Inches)	Casing Material	Casing Depth (Feet)	Depth to Water Table (Feet)	Total Depth (Feet)	Date Sampled
78	1012 Ponderosa Pine Lane	Sherby, Bruce	Irrigation	NA	NA	NA	NA	NA	Pump broken
79	1306 Rome Ave	McGarvey, Jill and Theodore	Former Irrigation	4	PVC	82	NA	460	11-Jul-05
80	911 Southern Pine Lane	Owens, Robert	Irrigation	NA	NA	NA	NA	NA	Not used
81	1107 Tallevast Rd	BBC Prop	Irrigation	NA	NA	NA	NA	NA	Not found
82	1201 Tallevast Rd	Airport Commerce	Irrigation	NA	NA	NA	NA	NA	Well not found
83	1507 Tallevast Rd	Unkown	Former Irrigation	2	Steel	30	11.9	84	2005
84	1520 Tallevast Rd	SMAA	Irrigation	5	PVC	3	NA	18	No power
85	1607 Tallevast Rd	NA	Unknown	4	NA	NA	NA	NA	2005
86	1615 Tallevast Rd	Ward, Clifford	Former Irrigation	4	Steel	38	15.3	122	2005
87	1712 Tallevast Rd	Pitts, Wyman	Former Irrigation	2	Steel	26	14.5	26	2005
88	1804 Tallevast Rd	Williams, Delores	Former Potable	8	Steel	40	15.74	282	2005
89	1808 Tallevast Rd	Montgomery, Mary Bryant, William	Unknown	NA	NA	NA	NA	NA	2005
90	1811 Tallevast Rd	Bryant, Joseph	Former Potable	2	Steel	31	15.12	77.5	2005
91	1812 Tallevast Rd	Ward, Laura	Former Irrigation	NA	NA	NA	NA	NA	2005
92	1864 Tallevast Rd	Ward, Laura	Former Irrigation	4	Steel	38	15.1	127	2005
93	1911 Tallevast Rd	Black, Daisey	Former Potable	NA	NA	NA	NA	NA	2005
94	1955 Tallevast Rd	Heathington, Clif	Former Potable	NA	NA	NA	NA	NA	2005
95	2003 Tallevast Rd	Granderson, Lillian	Former Potable	4	Steel	34	12.33	144	2005
96	2105 Tallevast Rd	Boothe, Heidi	Livestock	4	NA	NA	153	NA	27-Mar-06
97	2650 Tallevast Rd	US Filter	Inoperable	NA	NA	NA	NA	NA	Well unused
98	2411 Tallevast Rd	Desenberg, Troy	Former Irrigation	4	NA	NA	NA	128	30-Mar-06
99	7609 18th St E	Coleman, Gundula	NA	NA	NA	NA	NA	NA	Well Closed
100	1507 Tallevast Rd	Williams, Frank	Former Irrigation	NA	NA	NA	NA	NA	Well Closed
101	7630 Matoaka Rd	Thompson, Peter	Irrigation	NA	NA	NA	NA	NA	Not sampled
102	8155 27th St. East	Solomon, Steve	Irrigation, Livestock	NA	NA	NA	NA	NA	Not sampled

¹within 1/2 mile zone away from the edge of the plume

Table 2
Summary of Groundwater Sample Analytical Results

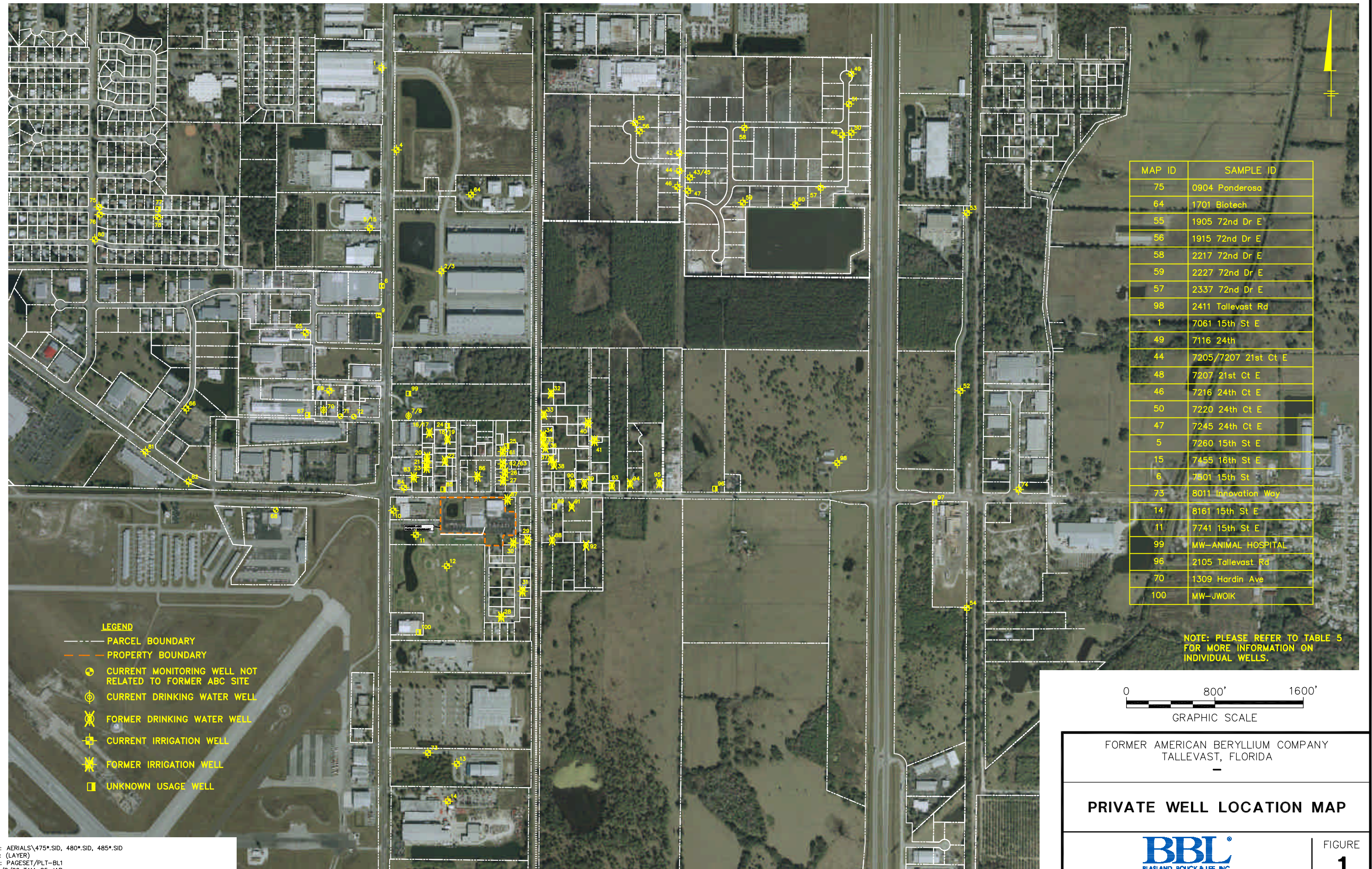
Preliminary Analytical Data
Subject to Verification

Sample ID	Map ID	Date Collected	Lab	1,4-Dioxane (µg/L) GCTL=3.2	1,1-Dichloroethane (µg/L) GCTL=70	1,1-Dichloroethene (µg/L) GCTL=7	cis-1,2-Dichloroethene (µg/L) GCTL=70	Tetrachloroethene (µg/L) GCTL=3	Trichloroethene (µg/L) GCTL=3
904 PONDEROSA AVE	75	4/4/2006	STL	1 U	0.52 U	0.45 U	0.65 U	0.34 U	0.99 I
		4/4/2006	ENCO	2 U	0.3 U	0.8 U	0.7 I	0.6 U	1
1701 BIOTECH AVE	64	4/3/2006	STL	1 U	0.52 U	0.45 U	0.65 U	0.34 U	0.28 U
		4/3/2006	ENCO	2 U	0.3 U	0.8 U	0.3 U	0.6 U	0.3 U
1905 72ND DR E	55	4/14/2006	STL	1 U	0.52 U	0.45 U	0.65 U	0.34 U	0.28 U
		4/14/2006	ENCO	2 U	0.3 U	0.8 U	0.3 U	0.6 U	0.5 I
1915 72ND DR E	56	4/10/2006	STL	11	0.52 U	0.45 U	0.65 U	0.34 U	1.2
		4/21/2006	STL	1 U	0.52 U	0.45 U	0.65 U	0.34 U	0.87 I
		4/10/2006	ENCO	2 U	0.3 U	0.8 U	0.3 U	0.6 U	1
		4/21/2006	ENCO	2 U	0.3 U	0.8 U	0.3 U	0.6 U	1
2217 72ND AVE E	58	4/12/2006	STL	1 U	0.52 U	0.45 U	0.65 U	0.34 U	0.28 U
		4/19/2006	STL	1 U	0.52 U	0.45 U	0.65 U	0.34 U	0.28 U
		4/21/2006	STL	1 U	0.52 U	0.45 U	0.65 U	0.34 U	0.28 U
		4/12/2006	ENCO	16.3	0.3 U	0.8 U	0.3 U	0.6 U	0.3 U
		4/19/2006	ENCO	2 U	0.3 U	0.8 U	0.3 U	0.6 U	0.3 U
2227 72ND AVE E	59	4/21/2006	ENCO	2 U	0.3 U	0.8 U	0.3 U	0.6 U	0.3 I
		4/12/2006	STL	1 U	0.52 U	0.45 U	0.65 U	0.34 U	0.28 U
2337 72ND DR S	57	4/9/2006	STL	4 I	0.52 U	0.45 U	0.65 U	0.34 U	0.28 U
		4/21/2006	STL	1 U	0.52 U	0.45 U	0.65 U	0.34 U	0.28 U
		4/9/2006	ENCO	2 U	0.3 U	0.8 U	0.3 U	0.6 U	0.3 U
		4/21/2006	ENCO	2 U	0.3 U	0.8 U	0.3 U	0.6 U	0.3 U
2411 TALLEVAST RD	98	3/23/2006	STL	19	0.8 I	0.82 I	0.65 U	0.34 U	0.28 U
		3/30/2006	STL	1 U	0.52 U	1.1	0.65 U	0.34 U	0.28 U
		3/30/2006	AWHL	14	--	--	--	--	--
		2/7/2006	ENCO	2 U	0.9 I	1	0.3 U	0.6 U	0.3 U
		3/23/2006	ENCO	11.8	0.9 I	0.9 I	0.3 U	0.6 U	0.3 U
		3/30/2006	ENCO	2 U	0.3 U	0.8 U	0.3 U	0.6 U	0.3 U
7061 15TH ST E	1	4/12/2006	STL	1 U	0.52 U	0.45 U	12	0.34 U	0.53 I
		4/12/2006	ENCO	2 U	0.3 U	0.8 U	17	0.6 U	0.6 I
7116 24TH CT E	49	4/3/2006	STL	1 U	0.52 U	0.45 U	0.65 U	0.34 U	0.28 U
		4/3/2006	ENCO	2 U	0.3 U	0.8 U	0.3 U	0.6 U	0.3 U
7205/7207 21ST ST E	44	4/9/2006	STL	15	0.52 U	0.45 U	0.65 U	0.34 U	0.92 I
		4/9/2006	ENCO	2 U	0.3 U	0.8 U	0.3 U	0.6 U	1
7207 21ST ST E	45	4/21/2006	STL	1 U	0.52 U	0.45 U	0.65 U	0.34 U	0.28 U
		4/21/2006	ENCO	2 U	0.3 U	0.8 U	0.3 U	0.6 U	0.3 U
7212 24TH CT E	48	4/9/2006	STL	3.3 I	0.52 U	0.45 U	0.65 U	0.34 U	0.28 U
		4/21/2006	STL	1 U	0.52 U	0.45 U	0.65 U	0.34 U	0.28 U
		4/9/2006	ENCO	2 U	0.3 U	0.8 U	0.3 U	0.6 U	0.3 U
		4/21/2006	ENCO	2 U	0.3 U	0.8 U	0.3 U	0.6 U	0.3 U
7216 21ST ST E	46	4/9/2006	STL	4.6 I	0.52 U	0.45 U	0.65 U	0.34 U	5.6
		4/21/2006	STL	1 U	0.52 U	0.45 U	0.65 U	0.34 U	1.2
		4/9/2006	ENCO	2 U	0.3 U	0.8 U	0.7 I	0.6 U	9
		4/21/2006	ENCO	2 U	0.3 U	0.8 U	0.3 I	0.6 U	8
7220 24TH CT E	50	4/9/2006	STL	1 U	0.52 U	0.45 U	0.65 U	0.34 U	0.28 U
		4/9/2006	ENCO	2 U	0.3 U	0.8 U	0.3 U	0.6 U	0.3 U
7245 21ST ST E	47	4/10/2006	STL	4.5 I	0.52 U	0.45 U	0.65 U	0.34 U	0.28 U
		4/21/2006	STL	45	0.52 U	0.45 U	0.65 U	0.34 U	0.28 U
		4/10/2006	ENCO	2 U	0.3 U	0.8 U	0.3 U	0.6 U	0.3 U
		4/21/2006	ENCO	2 U	0.3 U	0.8 U	0.3 U	0.6 U	0.3 U
7260 15TH ST E	5	4/5/2006	STL	1.1 U	0.52 U	0.45 U	0.65 U	0.34 U	0.28 U
		4/5/2006	ENCO	2 U	0.3 U	0.8 U	0.3 U	0.6 U	0.3 U
7455 16TH ST E	15	4/5/2006	STL	1 U	0.52 U	0.45 U	0.65 U	0.34 U	3.3
		4/5/2006	ENCO	2 U	0.3 U	0.8 U	0.6 I	0.6 U	4

Table 2
Summary of Groundwater Sample Analytical Results

Preliminary Analytical Data
Subject to Verification

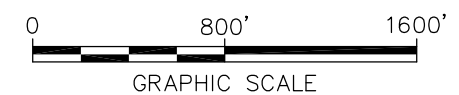
Sample ID	Map ID	Date Collected	Lab	1,4-Dioxane (µg/L) GCTL=3.2	1,1-Dichloroethane (µg/L) GCTL=70	1,1-Dichloroethene (µg/L) GCTL=7	cis-1,2-Dichloroethene (µg/L) GCTL=70	Tetrachloroethene (µg/L) GCTL=3	Trichloroethene (µg/L) GCTL=3
7501 15TH ST	6	4/4/2006	STL	1 U	0.52 U	0.45 U	0.65 U	0.34 U	0.28 U
		4/4/2006	ENCO	2 U	0.3 U	0.8 U	0.3 U	0.6 U	0.3 U
8011 INNOVATION WAY	73	4/14/2006	STL	1 U	0.52 U	0.45 U	0.65 U	0.34 U	0.28 U
		4/14/2006	ENCO	2 U	0.3 U	0.8 U	0.3 U	0.6 U	0.3 U
8161 15TH ST E	14	4/5/2006	STL	1 U	0.52 U	0.45 U	0.65 U	0.34 U	0.28 U
		4/5/2006	ENCO	2 U	0.3 U	0.8 U	0.3 U	0.6 U	0.3 U
IW-GOLF-COURSE	11	3/9/2006	STL	1 U	0.52 U	0.45 U	0.65 U	0.34 U	1.6
		3/14/2006	STL	1 U	0.52 U	0.45 U	0.65 U	0.34 U	1.6
		3/16/2006	STL	1 U	0.52 U	0.45 U	0.65 U	0.34 U	2
		3/21/2006	STL	1 U	0.52 U	0.45 U	0.65 U	0.34 U	1.6
		3/9/2006	ENCO	2 U	0.3 U	0.8 U	0.3 U	0.6 U	2
		3/14/2006	ENCO	2 U	0.3 U	0.8 U	0.3 U	0.6 U	2
		3/16/2006	ENCO	2 U	0.3 U	0.8 U	0.3 U	0.6 U	2
		3/21/2006	ENCO	2 U	0.3 U	0.8 U	0.3 U	0.6 U	2
MW-ANIMALHOSPITAL	99	3/8/2006	STL	1 U	0.52 U	0.45 U	0.65 U	0.34 U	0.28 U
		3/14/2006	STL	1 U	0.52 U	0.45 U	0.65 U	0.34 U	0.28 U
		3/16/2006	STL	1 U	0.52 U	0.45 U	0.65 U	0.34 U	0.28 U
		3/21/2006	STL	1 U	0.52 U	0.45 U	0.65 U	0.34 U	0.28 U
		3/8/2006	ENCO	2 U	0.3 U	0.8 U	0.3 U	0.6 U	0.3 U
		3/14/2006	ENCO	2 U	0.3 U	0.8 U	0.3 U	0.6 U	0.3 U
		3/16/2006	ENCO	2 U	0.3 U	0.8 U	0.3 U	0.6 U	0.3 U
MW-BOOTHE	96	3/21/2006	ENCO	2 U	0.3 U	0.8 U	0.3 U	0.6 U	0.3 U
		3/1/2006	STL	4.4 I	0.52 U	0.45 U	0.65 U	0.34 U	0.28 U
		3/27/2006	STL	1.1 U	0.52 U	0.45 U	0.65 U	0.34 U	0.28 U
MW-GCROWE	70	3/27/2006	ENCO	2 U	0.3 U	0.8 U	0.3 U	0.6 U	0.3 U
		3/19/2006	STL	1 U	0.52 U	0.45 U	0.65 U	0.34 U	0.28 U
		3/28/2006	AWHL	1.7	--	--	--	--	--
		3/19/2006	ENCO	4.67	0.3 U	0.8 U	0.3 U	0.6 U	0.3 U
		3/28/2006	ENCO	8.65	0.3 U	0.8 U	0.3 U	0.6 U	0.3 U
MW-JWOIK	100	3/20/2006	STL	1 U	0.52 U	0.45 U	0.65 U	0.34 U	0.28 U
		3/20/2006	ENCO	2 U	0.3 U	0.8 U	0.3 U	0.6 U	0.3 U



MAP ID	SAMPLE ID
75	0904 Ponderosa
64	1701 Biotech
55	1905 72nd Dr E
56	1915 72nd Dr E
58	2217 72nd Dr E
59	2227 72nd Dr E
57	2337 72nd Dr E
98	2411 Tallevast Rd
1	7061 15th St E
49	7116 24th
44	7205/7207 21st Ct E
48	7207 21st Ct E
46	7216 24th Ct E
50	7220 24th Ct E
47	7245 24th Ct E
5	7260 15th St E
15	7455 16th St E
6	7801 15th St
73	8011 Innovation Way
14	8161 15th St E
11	7741 15th St E
99	MW-ANIMAL HOSPITAL
96	2105 Tallevast Rd
70	1309 Hardin Ave
100	MW-JWOIK

- LEGEND**
- PARCEL BOUNDARY
 - - - PROPERTY BOUNDARY
 - ⊕ CURRENT MONITORING WELL NOT RELATED TO FORMER ABC SITE
 - ⊕ CURRENT DRINKING WATER WELL
 - ⊗ FORMER DRINKING WATER WELL
 - ⊕ CURRENT IRRIGATION WELL
 - ⊗ FORMER IRRIGATION WELL
 - UNKNOWN USAGE WELL

NOTE: PLEASE REFER TO TABLE 5 FOR MORE INFORMATION ON INDIVIDUAL WELLS.

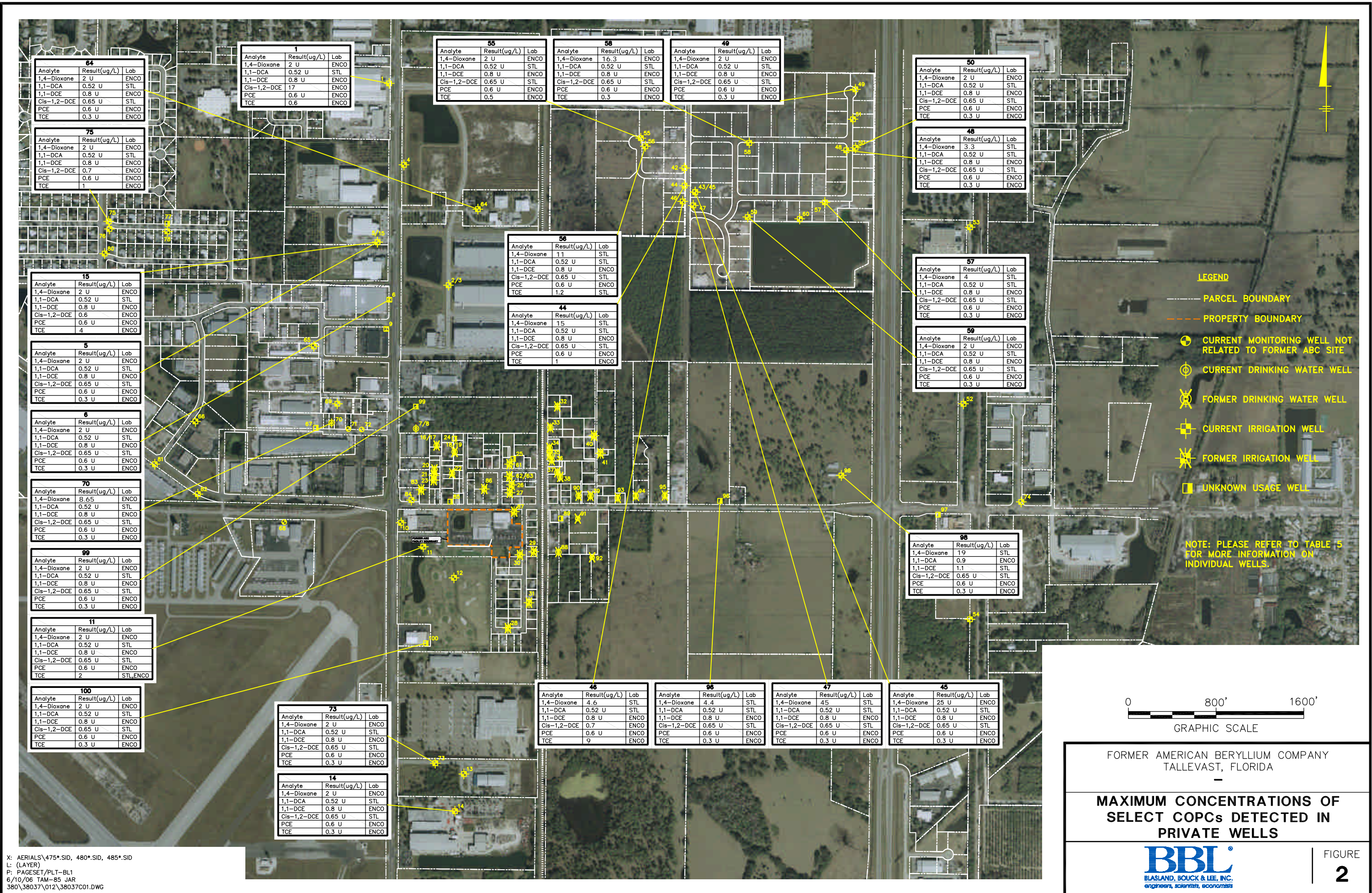


FORMER AMERICAN BERYLLIUM COMPANY
TALLEVAST, FLORIDA

PRIVATE WELL LOCATION MAP

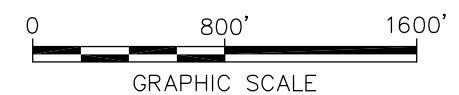


X: AERIALS\475*.SID, 480*.SID, 485*.SID
L: (LAYER)
P: PAGESET/PLT-BL1
6/8/06 TAM-85 JAR
380\38037\012\38037G01.DWG



- LEGEND**
- PARCEL BOUNDARY
 - - - PROPERTY BOUNDARY
 - ⊙ CURRENT MONITORING WELL NOT RELATED TO FORMER ABC SITE
 - ⊕ CURRENT DRINKING WATER WELL
 - ⊗ FORMER DRINKING WATER WELL
 - ⊕ CURRENT IRRIGATION WELL
 - ⊗ FORMER IRRIGATION WELL
 - ⊠ UNKNOWN USAGE WELL

NOTE: PLEASE REFER TO TABLE 5 FOR MORE INFORMATION ON INDIVIDUAL WELLS.



FORMER AMERICAN BERYLLIUM COMPANY
TALLEHAST, FLORIDA

**MAXIMUM CONCENTRATIONS OF
SELECT COPCS DETECTED IN
PRIVATE WELLS**

BBL
BLASLAND, BOUCK & LEE, INC.
engineers, scientists, economists

FIGURE
2

X: AERIALS\475*.SID, 480*.SID, 485*.SID
L: (LAYER)
P: PAGESET/PLT-BL1
6/10/06 TAM-85 JAR
380\38037\012\38037C01.DWG



LEGEND:

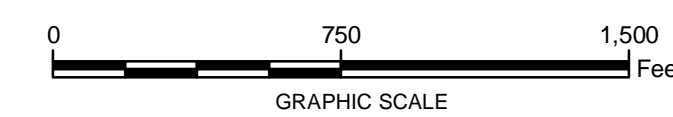
- COMPOSITE PLUME
- FORMER ABC FACILITY BOUNDARY
- PARCEL BOUNDARY

- MW-100 MONITORING WELL WITH MAXIMUM DETECTED VALUE FROM RECENT BBL SAMPLING IN EXCEEDANCE OF SCREENING CRITERION FOR SITE CONSTITUENTS OF CONCERN
- MW-100 MONITORING WELL WITH MAXIMUM DETECTED VALUE FROM RECENT BBL SAMPLING BELOW SCREENING CRITERION FOR SITE CONSTITUENTS OF CONCERN
- MW-100 MONITORING WELL WITH MAXIMUM NON-DETECTED VALUE FROM RECENT BBL SAMPLING

- ⊕ CURRENT MONITORING WELL NOT RELATED TO FORMER ABC SITE
- CURRENT DRINKING WATER WELL
- ✕ FORMER DRINKING WATER WELL
- ⊕ CURRENT IRRIGATION WELL
- ✕ FORMER IRRIGATION WELL
- UNKNOWN USAGE WELL

NOTE:

1. AERIAL PHOTOS WERE OBTAINED FROM THE MANATEE COUNTY GIS WEBSITE. AERIAL PHOTOS WERE TAKEN IN 2003 AT A 1-FOOT RESOLUTION IN TRUE COLOR FORMAT.



FORMER AMERICAN BERYLLIUM COMPANY SITE
TALLEVAST, FLORIDA

**LOCATION OF GROUNDWATER MONITORING
AND PRIVATE WELLS RELATIVE TO THE
COMPOSITE PLUME**



Fact Sheet
Former American Beryllium Company Site
Tallevast, Florida

OGC #04-1328

April 2006

The former American Beryllium Company site is located at 1600 Tallevast Road, in Tallevast, Florida, in Manatee County (referred to as the ABC Property). Lockheed Martin acquired the ABC property as part of its 1996 acquisition of Loral Space & Communications, Ltd. Lockheed Martin ceased operations in 1996 and sold the ABC property in 2000. During its environmental assessment in preparation for selling the property, Lockheed Martin discovered groundwater contamination of volatile organic solvents. The State of Florida and Manatee County were notified of the findings. As the environmental assessment expanded off of the ABC property, the public was notified in late 2003 of the groundwater contamination. Since then, a full-scale, cooperative effort has been ongoing in Tallevast for more than two years to assess the contamination, map the groundwater plume, provide water for the community and prepare for remediation to ensure public health and safety. While Lockheed Martin did not operate the facility, it remains responsible for the cleanup associated with contamination from the ABC property.

Next Steps – Private Well Survey and Water Sampling

BBL, on behalf of Lockheed Martin, is in the process of conducting an expanded private well survey as part of the site environmental investigation required by the Florida Department of Environmental Protection (FDEP). It is necessary to locate private wells (potable, irrigation, agricultural, and industrial) and take small water samples for analysis to ensure public health and safety. Please be so kind as to accommodate our sampling crew in their effort to complete their tasks. Should you have any questions or concerns please contact Clovia Russel or Gail Rymer. Thank you for your assistance.

For more information, please contact:

Clovia Russell
Community Representative
8051 Tamiami Trail, Suite E4
Sarasota, FL 34243
Phone: 941-360-1843
Email: Clovia.Russell@lmco.com

Gail Rymer
Community Relations Director
Lockheed Martin Corporation
6801 Rockledge Drive
Bethesda, MD 20817
Phone: 1-800-499-4486
Email: Gail.Rymer@lmco.com

Private Well Survey

Name of Property Owner: _____

Address of Property: _____

Name of Person Responding to Survey: _____

Date: _____

Interviewer's Name (if applicable): _____

1. Do you have any wells located on your property?(circle) Yes No

2. What is the well used for? (you may circle more than one)

a. Drinking water

b. Showering/bathing/handwashing

c. Irrigation

d. Watering livestock

e. Industrial purposes (e.g., air conditioning)

3. Is the well currently operable? (circle) Yes No

4. Do you know where the well is located? (circle) Yes No

Please describe its location: _____

4. Is your property connected to a public water supply? (circle) Yes No

Please return this completed form in the stamped envelope provided.

Thank you for your time.