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November 24, 2009

Mr. Timothy Larson
New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau D
625 Broadway, 12th Floor
Albany, NY 12233-7016

**RE: Onondaga Lake Bottom Subsite – Onondaga County, New York
Consent Decree 89-CV-815
Phase V Pre-Design Investigation
Work Plan Addendum 6 - Additional Sediment Sampling for SMU 5
Action Item CAP-4E**

Dear Mr. Larson:

This letter presents proposed follow-up sediment sampling in SMU 5. This sampling will be conducted to address areas where exceedance of cleanup criteria for mercury has been identified. Additional sampling is proposed to assess depth of contamination at locations S-95 and S-111, to confirm the proposed eastern and southern remedial boundaries for S-111, and to confirm elevated 2004 results in the vicinity of location S-108. The attached figures (Figures 1 through 3) present proposed sample locations and a summary of previously collected mercury data.

Sampling will be conducted consistent with the approach and procedures outlined in the Phase II PDI and Phase V Work Plans (Parsons, 2006; Parsons, 2009). Proposed sampling will be as follows:

- Location S-108 - The proposed additional sampling (locations presented on Figure 1) will be collected to further assess the elevated 2004 results at locations S108-A, S108-1, S-108-C, and S-108-F. The samples will be collected to a depth of 3 ft with samples collected at 1 ft intervals and analyzed for mercury.
- Location S-95 - The proposed additional sampling for this area (locations presented on Figure 2) will identify depth of contamination. Locations OL-VC-50001 and 50002 will be sampled to depth of 3 ft with samples collected at 1 ft intervals and analyzed for mercury.
- Location S-111 - The proposed additional sampling for this area (locations presented on Figure 3) will assess depth of contamination. Locations OL-VC-50004 and 50009 will be sampled to depth of 3 ft with samples collected at 1 ft intervals and analyzed for mercury. Four additional locations will be sampled for the vicinity of S-111 to depth of 3 ft with samples collected at 1 ft intervals and analyzed for mercury. Three of the

samples (OL-VC-50076, 50077, and 50078) will be collected adjacent to the underwater structure identified as the Maple Bay Pier to confirm the southern extent of the proposed remedial area. One sample (OL-VC-50079) will be collected along the proposed east remedial boundary line.

Please feel free to contact Tom Abrams at 315-552-9670 or me if you have any questions.

Sincerely,



John P. McAuliffe, P.E.
Program Director, Syracuse

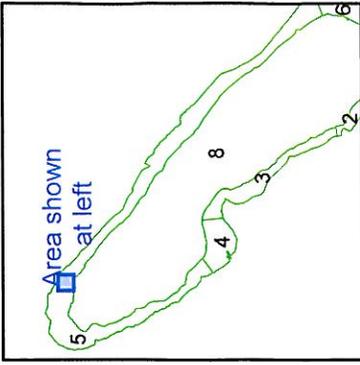
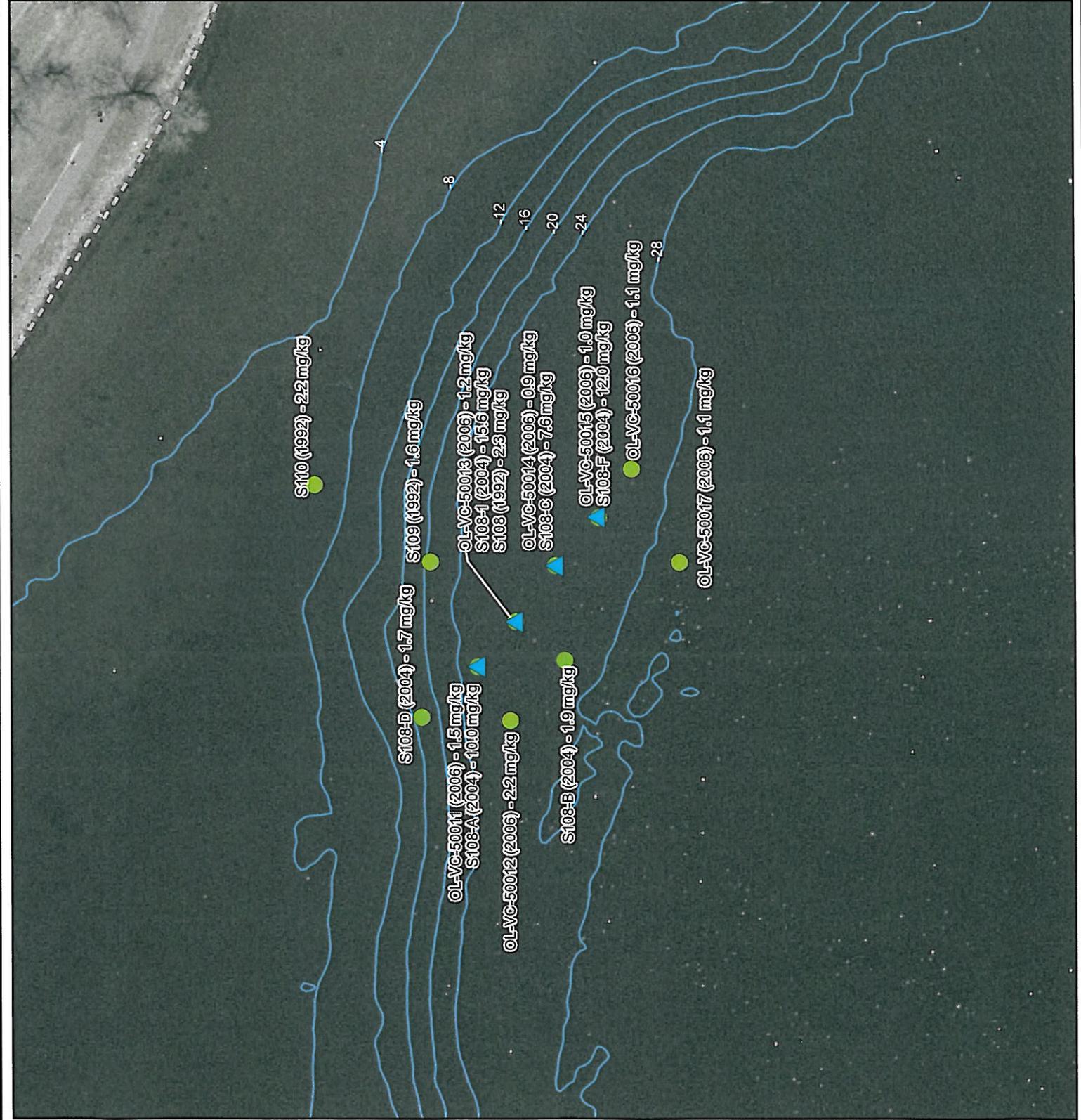
cc: Bob Nunes, USEPA (5 hard copies, 1 PDF)
Mike Spera, TAMS/ET (1 hard copy, 2 PDF & Orig)
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William Hague, Honeywell (1 PDF)
Steve Miller, Parsons (1 PDF)
Edward Glaza, Parsons (1 hard copy)
Tom Abrams, Parsons (1 hard copy)

TABLE 1
SMU 5 SEDIMENT SAMPLING
LOCATIONS AND ANALYSES

Description	Sample Cluster	Map Symbol	Number of Locations	Number of Intervals	Sampling Intervals (ft)	Location ¹	Total Depth (ft)	Chemical Analysis	
								Mercury	Lithology
SMU 5 Shallow Vibracore	S-108		4	3	1-ft intervals from top of core	OL-VC-50011, 50013, 50014, 50015	3	12	4
	S-95		2	3	1-ft intervals from top of core	OL-VC-50001, 50002	3	6	2
	S-111		6	3	1-ft intervals from top of core	OL-VC-50004, 50009, 50076, 50077, 50078, 50079	3	18	6

Note:

1. Locations OL-VC-50076, 50077, 50078, and 50079 are new locations. All other locations listed in this table are revisits from previous PDI sampling efforts.



**Mercury in the top 6 inches
(Most recent results plotted)**

- < 2.2
- > 2.2
(No points on this map exceed 2.2 for 2006 results)

▲ Proposed Sample Location

NOTES

1. Bathymetry contours are in 4 foot intervals.
2. Water depth based on average lake elevation of 362.82 feet.



Figure 1

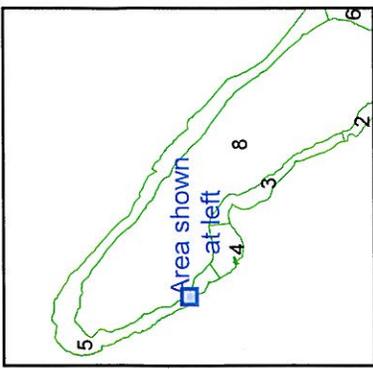
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Onondaga Lake
Syracuse, New York

SMU 5, S108

PARSONS

301 Plainfield Road, Suite 350, Syracuse, NY 13212
Phone (315)451-5950



**Mercury in the top 6 inches
(Most recent results plotted)**

Hg < 2.2 mg/kg

Hg > 2.2 mg/kg

Proposed Sample Location

Proposed Area of Remediation (0.19 ac)

NOTES

1. Bathymetry contours are in 4 foot intervals.
2. Water depth based on average lake elevation of 362.82 feet.



Figure 2

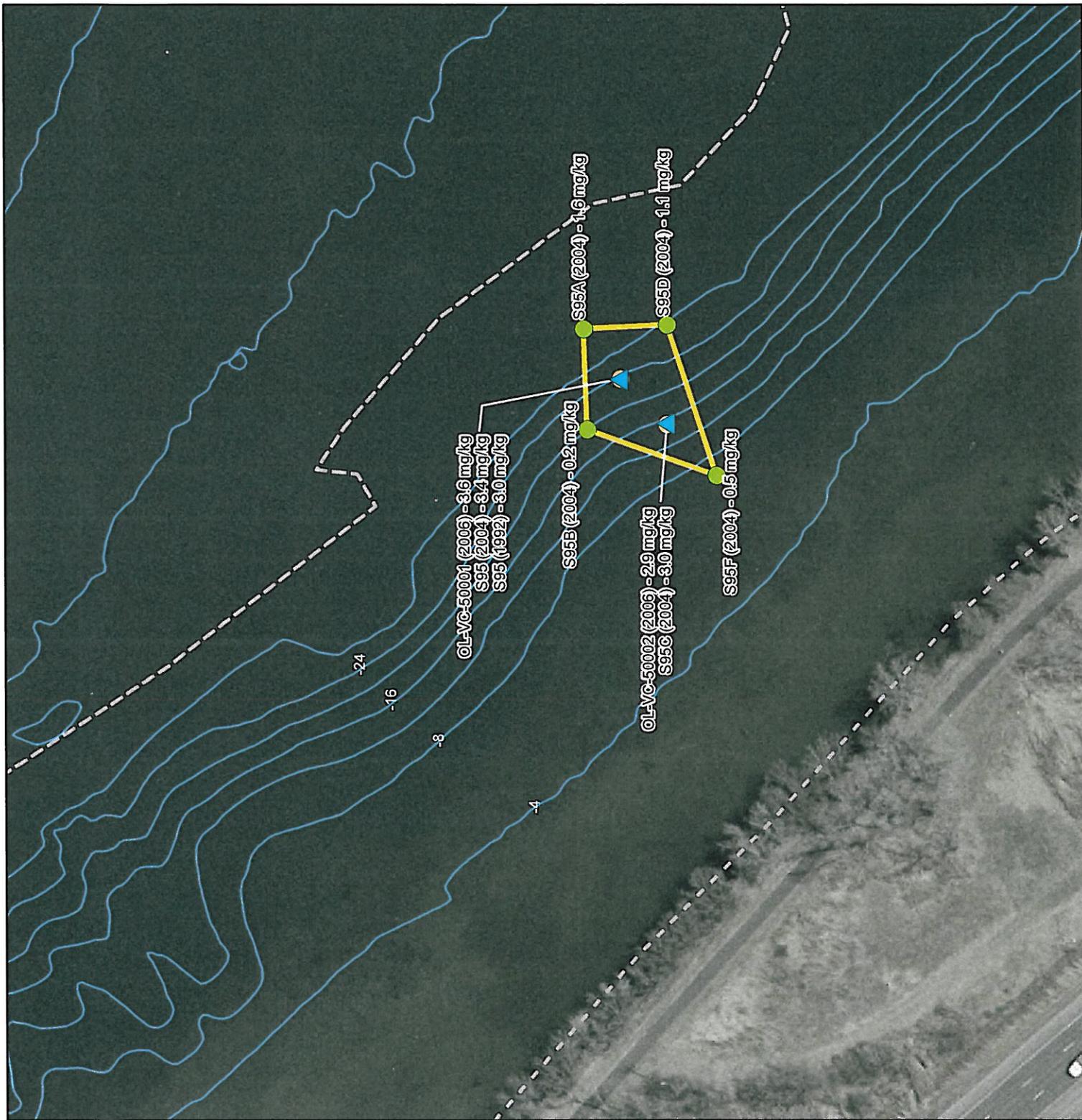
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SMU 5, S95

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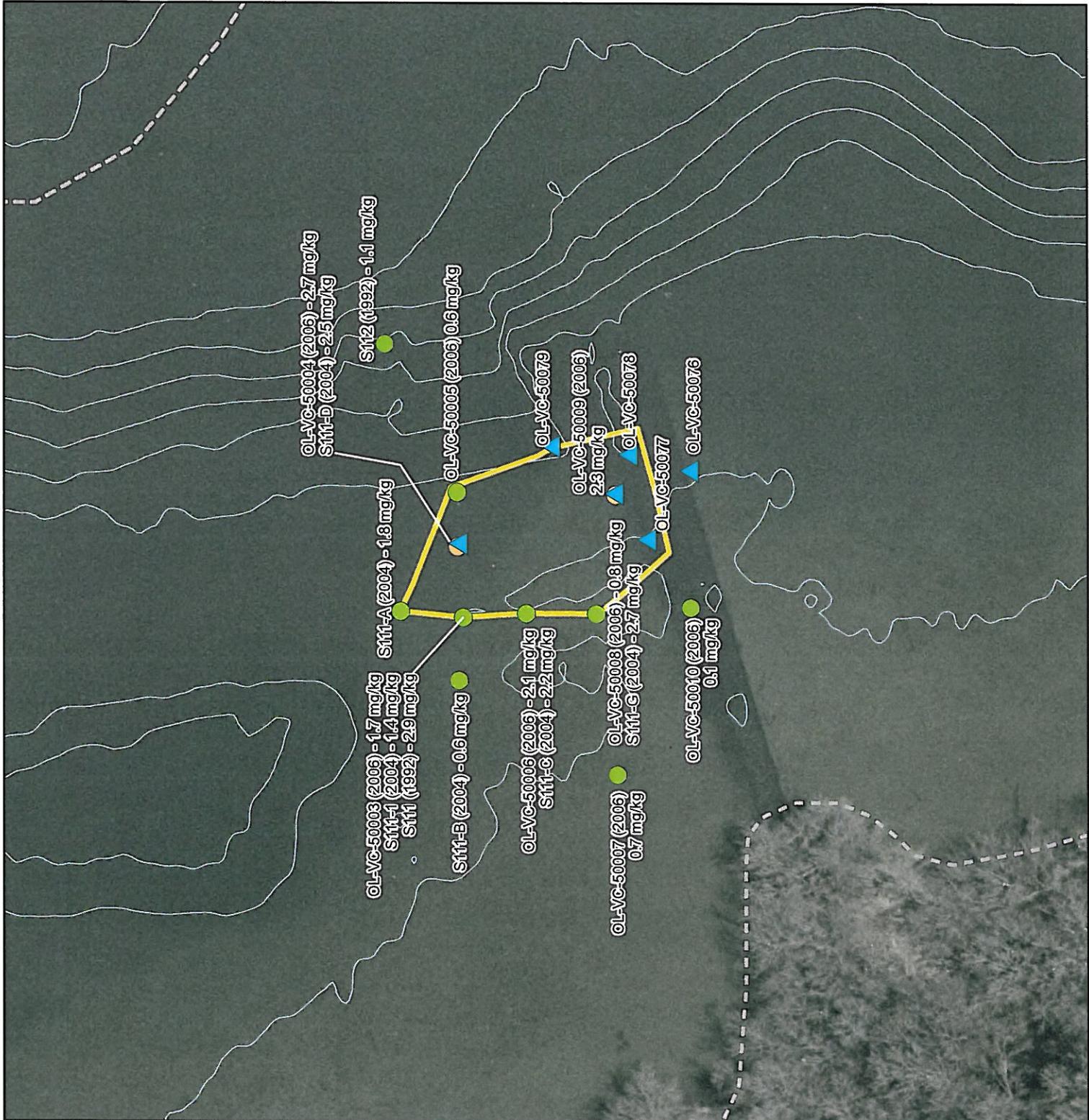


Figure 3

Honeywell
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SMU 5, S111

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