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Subject:
DRAFT RACER Pontiac North Campus – 2014- 2015 PCB Investigation Summary

Introduction

This Draft Polychlorinated Biphenyl (PCB) Investigation Summary report was prepared by ARCADIS of Michigan, LLC (ARCADIS) on behalf of Revitalizing Auto Communities Environmental Response (RACER) Trust for the Pontiac North Campus Site (Site) located in Pontiac, Michigan (Figure 1). This PCB investigation was conducted to further refine the conceptual site model (CSM). The refined CSM will further support the soil and groundwater remedial alternatives proposed for the Site in the Corrective Measures Study (CMS).

The objective of this investigation was to collect additional Site data to aid in determining the extent of PCBs at the Site (specifically, in light non-aqueous phase liquid [LNAPL]) in Area of Interest (AOI) M-2, AOI W-1 (LNAPL Area 2B, LNAPL Area 1/7), and AOI W-10 (LNAPL Area 2A/2B) (Figure 2). Investigation activities included the following:

- Completed soil borings/installed temporary monitoring wells to further delineate the extent of PCBs.
- Collected soil samples to further delineate the extents of PCBs.
- Collected LNAPL samples from monitoring wells to quantify PCB concentrations.

Field Activities

Field activities were completed on site during four separate mobilizations: May 30 – June 25, July 21 – August 1, August 18 – August 21, 2014, and April 27 – May 1, 2015. Prior to completing 83 soil borings and installing 77 associated temporary monitoring wells, each boring location was cleared by a private utility locator and hand-augered or air-knifed to a minimum depth of 5 feet below ground surface (bgs). Soil borings and temporary wells were completed/installed using either a Geoprobe®/hollow-stem auger drill rig or with a mini-sonic drill rig. These activities were performed in accordance with objectives, sampling methodologies, and analytical procedures set forth in the Field Sampling Plan (FSP; Encore 2001a) and Quality Assurance Project Plan (QAPP; Encore 2001b).

Initial Sampling

Soil borings were completed and temporary monitoring wells installed in radial patterns in areas where analytical data have indicated PCB concentrations higher than 100 parts per million (ppm) in soil or LNAPL in historical soil boring and/or monitoring well locations. At each existing monitoring well location (MWM2-06, MWM2-29, MWW10-01, TW-01-01), three soil borings/temporary monitoring wells were installed at a radial distance of approximately 10 feet and at approximate 120-degree intervals. If there was no existing monitoring well (MW-6, MW-24-99, BW1-15), an additional soil boring/temporary monitoring well was installed as close as possible to the historical location to confirm the previous data collected.

Soil samples were collected continuously with a 5-foot macro core sampler, split-spoon, or sonic sampler to an approximate depth of 30 feet bgs. Soil samples were field screened using Oil-In-Soil™ dye test kits for the presence of LNAPL. Approximately 15 soil samples were collected at each boring location (approximately one every 2 feet) biasing samples from depths with previously identified elevated photoionization detector (PID) readings, odors, or sheen/NAPL observations. Soil sample interval depths varied based on field screening data and historical data for each location. All soil samples were submitted to TestAmerica Laboratories in North Canton, Ohio (TestAmerica) with approximately six (one soil sample from every 5 feet) initially analyzed, while the remaining samples were placed on hold. Pending the analytical results from the initial samples submitted for analysis, additional samples collected may have been released for analysis to complete delineation. Soil samples were transported under chain of custody to Test America for laboratory analysis of PCBs by United States Environmental Protection Agency (USEPA) Method 8082. On average, one duplicate sample and one matrix spike/matrix spike duplicate (MS/MSD) sample was collected for every 20 regular soil samples collected. Variations of the one duplicate per 20 samples were the result of several duplicate samples being held in error by the laboratory rather than analyzed. PCB concentration results for soil samples are shown in Table 1. Soil laboratory analytical reports are included in Attachment 1.

Temporary Well Installation

Following the completion of the soil borings, temporary wells were installed at the majority of the locations. Screen depths were determined based on the shake test results/field screening and location of water table. Each well was constructed with 2-inch polyvinyl chloride (PVC) materials; 10-foot, 10-slot screens; and completed with expanding lockable caps. Filter sand material was placed around the well screens from the bottom of the wells to approximately 2 feet above the tops of the screens. The remainder of the annular spaces was filled with bentonite. Monitoring wells were developed after installation until the purge water appeared sediment-free, 30 gallons had been removed, or the water recharge rate was deemed insufficient to continue pumping. Soil boring and well construction logs are attached in Attachment 2.

Additional Sampling

If any of the soil samples collected during the completion of the initial three (or four) soil borings exceeded the prescribed PCB criterion of 100 ppm, or if LNAPL had accumulated in the temporary wells installed at these locations, four additional soil borings were completed and temporary wells installed at a radial distance of approximately 15 feet at approximate 90-degree intervals around the original central location. Further step-out locations were completed at a radial distance of approximately 50 feet up to 100 feet depending on previous soil data and/or utility locations.

Final step-out locations installed in 2015 were completed at a distance of approximately 100 to 200 feet from the original existing monitoring well/soil boring locations depending on previous soil data and/or utility locations.

LNAPL

Temporary wells were periodically gauged throughout the drilling events to determine if LNAPL had accumulated. Fluid level gauging results for temporary wells that contained LNAPL are shown in Table 2.

Temporary wells that had accumulated sufficient LNAPL to fill a 4-ounce jar were sampled to determine PCB concentrations in the LNAPL. A total of 27 temporary wells and five previously installed permanent wells were sampled for LNAPL from June 17 through June 25, 2015. All PCB results for the LNAPL sampled are included in Table 3. LNAPL laboratory analytical reports are attached in Attachment 3.

PCB Delineation Results

AOI W-10 (LNAPL Area 2A)

PCB delineation surrounding monitoring well MWW10-01 was based on previous concentrations of PCBs in the LNAPL higher than 100 ppm. The LNAPL in monitoring well MWW10-01 was resampled and found

to yield PCBs at 130 ppm. A total of 14 soil borings and 11 associated temporary wells were completed and installed around monitoring well MWW10-01 for delineation. The PCB concentrations in soil samples collected from the 14 soil borings ranged from non-detect to 25.2 ppm PCBs (Figure 3). The highest concentration of 25.2 ppm PCBs in soil was detected in the 19- to 20-foot interval bgs. LNAPL has accumulated in the initial step-out locations (soil borings SB-08-14, SB-09-14, and SB-10-14); PCB concentrations ranged from 110 to 140 ppm. LNAPL has also been detected in temporary well SB-26-15 to the northeast of monitoring well MWW10-02 and in the southernmost location (SB-68-14) at concentrations of 50.6 ppm and 159 ppm, respectively. The six remaining temporary wells, including SB-73-15 located east of SB-68-14, have not accumulated LNAPL since they were installed (Figure 4).

AOI W-1 and W-10 (LNAPL Area 2B)

Two locations were targeted for PCB delineation in LNAPL Area 2B: TW-01-01 and former monitoring well MW-6. Four soil borings/temporary wells were installed in the vicinity of monitoring well MW-06 and at six locations around monitoring well TW-01-01. Four delineation borings/temporary wells were installed as well, two northeast and east of former MW-06 and two south of TW-01-01. The PCB concentrations in soil samples collected from the 14 soil borings ranged from non-detect to 8.7 ppm PCBs. The highest concentration of 8.7 ppm PCBs in soil was detected in the 13- to 14-foot Interval (Figure 5). Seven temporary well locations have accumulated LNAPL since they were installed; only four have enough LNAPL present to fill a 40-ounce jar for analysis. LNAPL analytical results from three of the four locations sampled contain PCB concentrations that exceed 100 ppm: SB-18-14 (230 ppm), SB-24-14 (137 ppm), and SB-25-14 (189 ppm) (Figure 6).

AOI M-2

A total of 11 soil borings were completed to delineate PCB concentrations around monitoring wells MWM2-29 and MWM2-06. The drill rig experienced refusal in the two locations in the northern portion of M-2 near MWM2-29. The refusal is suspected to be due to old foundations in the area. Delineation boring SB-82-15 was completed to a depth of 35 ft. bgs. None of the soil samples collected from the boring locations contained PCB concentrations higher than 100 ppm (Figure 7). The PCB concentrations in the 11 soil borings ranged from non-detect to 11.26 ppm PCBs. The highest concentration of 11.26 ppm was detected in the 18- to 19-foot interval. A shallow and deep temporary monitoring well cluster was installed in the locations of SB-06-14 and SB-07-14. The well screens were set from the 2- to 7-foot and the 15- to 25-foot intervals at SB-06-14, and 5- to 10-foot and 15- to 25-foot intervals at SB-07-14. LNAPL was detected in three of the wells in the clusters; however, two locations (SB-07A-14 [deep] and SB-06A-14) contained sufficient LNAPL to collect a sample. The concentration of PCBs in LNAPL at SB-07A-14 is 140 ppm and at SB-06A-14 is 3,600 ppm (Figure 8).

AOI W-1 (LNAPL Area 1/7)

Former Monitoring Well MW-24-99

A total of 23 soil borings and 21 associated temporary wells were installed to delineate PCBs around former monitoring well MW-24-99. PCB concentrations in soil range from non-detect to 185 ppm, with the maximum detection in soil at 16 to 17 feet bgs in soil boring SB-03-14 (Figure 9). Since their installation, 13 of the temporary wells have accumulated LNAPL, and 12 temporary wells accumulate LNAPL with PCB concentrations that exceed 100 ppm. PCB concentrations in LNAPL range from 81 to 3,600 ppm (Figure 10).

Former Soil Boring BW1-15

A total of 21 soil borings and associated temporary wells were installed to delineate PCBs around location BW1-15. PCB concentrations in soil range from non-detect to 590 ppm, with the maximum detection in soil at 18 to 20 feet bgs at soil boring SB-15-14 (Figure 9). Since their installation, 11 of the temporary wells have accumulated LNAPL, with three of the temporary wells having accumulated a sufficient quantity to collect a sample: SB-50-14 contained 35.7 ppm PCBs, SB-30-14 contained 470 ppm PCBs, and SB-42-14 was non-detect for PCBs.

Conclusions

Soils found in LNAPL Areas 2A, 2B, and AOI M2 do not contain PCB concentrations that exceed 100 ppm. All four LNAPL areas do contain LNAPL at levels that exceed the 100 ppm criterion for PCBs. Based on the results presented in the previous section, the impacted LNAPL has been delineated in all areas of interest with the following exception. LNAPL exceeded 100 ppm of PCBs in temporary wells located in areas 2A at MWW10-01 and 2B at former MW-06, which are not delineated immediately to the west. Soil boring advancement was not possible to the west of these locations due to buried utilities and former railroad features. There are two wells (MWW10-03 and MWW10-04), however, located on the west side of Saginaw which have not historically contained, nor do they currently contain LNAPL. Therefore, these areas are delineated to the west by these wells. No additional delineation of PCBs is recommended.

Tables

- 1 Soil Analytical Results
- 2 Fluid Level Gauging Results in Wells Containing LNAPL
- 3 LNAPL Analytical Results

Figures

- 1 Site Location
- 2 Site Layout
- 3 AOI W-10 - LNAPL Area 2A PCB Concentrations in Soil
- 4 AOI W-10 - LNAPL Area 2A PCB Concentrations in LNAPL
- 5 AOI W-1 and W-10 - LNAPL Area 2B PCB Concentrations in Soil
- 6 AOI W-1 and W-10 - LNAPL Area 2B PCB Concentrations in LNAPL
- 7 AOI M-2 PCB Concentrations in Soil
- 8 AOI M-2 PCB Concentrations in LNAPL
- 9 AOI W-1 - LNAPL Area 1/7 PCB Concentrations in Soil
- 10 AOI W-1 - LNAPL Area 1/7 PCB Concentrations in LNAPL

Attachments

- 1 Soil Laboratory Analytical Reports (on CD)
- 2 Soil Boring and Well Construction Logs (on CD)
- 3 LNAPL Laboratory Analytical Reports (on CD)

References

Encore. 2001a. Field Sampling Plan, Pontiac North Campus. General Motors Corporation, Pontiac, Michigan. May, 2001.

Encore. 2001b. RFI Work Plan, Pontiac North Campus. General Motors Corporation, Pontiac, Michigan. May 15, 2001.



Tables

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Table 1.
Soil Analytical Results
RACER Trust Pontiac North Campus
Pontiac, Michigan

Location Code	Sample Code	Sample Date	Sample Type	Sample Depth (feet bgs)	PCBs							
					Aroclor-1016 (PCB-1016)	Aroclor-1221 (PCB-1221) ($\mu\text{g/kg}$)	Aroclor-1232 (PCB-1232) ($\mu\text{g/kg}$)	Aroclor-1242 (PCB-1242) ($\mu\text{g/kg}$)	Aroclor-1248 (PCB-1248) ($\mu\text{g/kg}$)	Aroclor-1254 (PCB-1254) ($\mu\text{g/kg}$)	Aroclor-1260 (PCB-1260) ($\mu\text{g/kg}$)	Aroclor-1268 (PCB-1268) ($\mu\text{g/kg}$)
AOI W-10 - LNAPL Area 2A												
SB-08-14	SB-08-14 (2-3)	6/5/2014	N	2-3	< 76 U	< 76 U	< 76 U	150	< 76 U	< 76 U	NA	
SB-08-14	SB-08-14 (9-10)	6/5/2014	N	9-10	< 820 U	< 820 U	< 820 U	2800	< 820 U	150 J	NA	
SB-08-14	DUP-03 20140605	6/5/2014	FD	9-10	< 40 U	< 40 U	< 40 U	230	< 40 U	18 J	NA	
SB-08-14	SB-08-14 (13-14)	6/5/2014	N	13-14	< 1900 U	< 1900 U	< 1900 U	7400	< 1900 U	330 J	NA	
SB-08-14	SB-08-14 (17-18)	6/5/2014	N	17-18	< 3600 U	< 3600 U	< 3600 U	12000	< 3600 U	560 J	NA	
SB-08-14	SB-08-14 (21-22)	6/5/2014	N	21-22	< 190 U	< 190 U	< 190 U	62 J	< 190 U	< 190 U	NA	
SB-08-14	SB-08-14 (27-28)	6/5/2014	N	27-28	< 42 U	< 42 U	< 42 U	20 J	< 42 U	< 42 U	NA	
SB-09-14	SB-09-14 (2-3)	6/5/2014	N	2-3	< 76 U	< 76 U	< 76 U	110	< 76 U	< 76 U	NA	
SB-09-14	SB-09-14 (9-10)	6/5/2014	N	9-10	< 1900 U	< 1900 U	< 1900 U	4300	< 1900 U	< 1900 U	NA	
SB-09-14	SB-09-14 (12-13)	6/5/2014	N	12-13	< 2000 U	< 2000 U	< 2000 U	5200	< 2000 U	240 J	NA	
SB-09-14	SB-09-14 (16-17)	6/5/2014	N	16-17	< 3600 U	< 3600 U	< 3600 U	14000	< 3600 U	660 J	NA	
SB-09-14	SB-09-14 (23-24)	6/5/2014	N	23-24	< 74 U	< 74 U	< 74 U	45 J	< 74 U	< 74 U	NA	
SB-09-14	SB-09-14 (29-30)	6/5/2014	N	29-30	< 39 U	< 39 U	< 39 U	< 39 U	< 39 U	< 39 U	NA	
SB-10-14	SB-10-14 (4-5)	6/5/2014	N	4-5	< 42 U	< 42 U	< 42 U	370	< 42 U	20 J	NA	
SB-10-14	SB-10-14 (8-9)	6/5/2014	N	8-9	< 40 U	< 40 U	< 40 U	140	< 40 U	24 J	NA	
SB-10-14	SB-10-14 (12-13)	6/5/2014	N	12-13	< 41 U	< 41 U	< 41 U	< 41 U	< 41 U	< 41 U	NA	
SB-10-14	SB-10-14 (17-18)	6/5/2014	N	17-18	< 380 U	< 380 U	< 380 U	1500	< 380 U	110 J	NA	
SB-10-14	SB-10-14 (21-22)	6/5/2014	N	21-22	< 39 U	< 39 U	< 39 U	< 39 U	< 39 U	< 39 U	NA	
SB-10-14	SB-10-14 (27-28)	6/5/2014	N	27-28	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	NA	
SB-26-14	SB-26-14 (8-10)	6/13/2014	N	8-10	< 77 U	< 77 U	< 77 U	< 77 U	< 77 U	< 77 U	NA	
SB-26-14	SB-26-14 (12-14)	6/13/2014	N	12-14	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	NA	
SB-26-14	SB-26-14 (16-18)	6/13/2014	N	16-18	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	NA	
SB-26-14	SB-26-14 (20-22)	6/13/2014	N	20-22	< 39 U	< 39 U	< 39 U	28 J	< 39 U	< 39 U	NA	
SB-27-14	SB-27-14 (8-10)	6/13/2014	N	8-10	< 410 U	< 410 U	< 410 U	1700	< 410 U	72 J	NA	
SB-27-14	SB-27-14 (12-14)	6/13/2014	N	12-14	< 190 U	< 190 U	< 190 U	1200	< 190 U	53 J	NA	
SB-27-14	DUP-09 20140613	6/13/2014	FD	12-14	< 180 U	< 180 U	< 180 U	1100	< 180 U	43 J	NA	
SB-27-14	SB-27-14 (16-18)	6/13/2014	N	16-18	< 180 U	< 180 U	< 180 U	580	< 180 U	35 J	NA	
SB-27-14	SB-27-14 (19-20)	6/13/2014	N	19-20	< 7300 U	< 7300 U	< 7300 U	24000	< 7300 U	1200 J	NA	
SB-27-14	SB-27-14 (20-22)	6/13/2014	N	20-22	< 74 U	< 74 U	< 74 U	< 74 U	< 74 U	< 74 U	NA	
SB-28-14	SB-28-14 (8-10)	6/13/2014	N	8-10	< 1900 U	< 1900 U	< 1900 U	6900	< 1900 U	410 J	NA	
SB-28-14	SB-28-14 (12-14)	6/13/2014	N	12-14	< 820 U	< 820 U	< 820 U	2900	< 820 U	190 J	NA	
SB-28-14	SB-28-14 (16-18)	6/13/2014	N	16-18	< 1800 U	< 1800 U	< 1800 U	5000	< 1800 U	310 J	NA	
SB-28-14	SB-28-14 (20-22)	6/13/2014	N	20-22	< 39 U	< 39 U	< 39 U	< 39 U	< 39 U	< 39 U	NA	
SB-29-14	SB-29-14 (8-10)	6/13/2014	N	8-10	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	NA	
SB-29-14	SB-29-14 (12-14)	6/13/2014	N	12-14	< 85 U	< 85 U	< 85 U	< 85 U	< 85 U	< 85 U	NA	
SB-29-14	SB-29-14 (16-18)	6/13/2014	N	16-18	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	NA	
SB-29-14	SB-29-14 (20-22)	6/13/2014	N	20-22	< 43 U	< 43 U	< 43 U	< 43 U	< 43 U	< 43 U	NA	
SB-35-14	SB-35-14 (5-6)	6/17/2014	N	5-6	< 39 U	< 39 U	< 39 U	51	< 39 U	< 39 U	NA	
SB-35-14	SB-35-14 (6-8)	6/17/2014	N	6-8	< 44 U	< 44 U	< 44 U	120	< 44 U	5.8 J	NA	
SB-35-14	SB-35-14 (8-10)	6/17/2014	N	8-10	< 40 U	< 40 U	< 40 U	140	< 40 U	5.5 J	NA	
SB-35-14	SB-35-14 (10-12)	6/17/2014	N	10-12	< 200 U	< 200 U	< 200 U	350	< 200 U	< 200 U	NA	
SB-35-14	DUP10-06172014	6/17/2014	FD	10-12	< 200 U	< 200 U	< 200 U	570	< 200 U	29 J	NA	
SB-35-14	SB-35-14 (12-14)	6/17/2014	N	12-14	< 43 U	< 43 U	< 43 U	< 43 U	< 43 U	< 43 U	NA	
SB-35-14	SB-35-14 (18-20)	6/17/2014	N	18-20	< 41 U	< 41 U	< 41 U	< 41 U	< 41 U	< 41 U	NA	
SB-35-14	SB-35-14 (26-28)	6/17/2014	N	26-28	< 42 U	< 42 U	< 42 U	< 42 U	< 42 U	< 42 U	NA	
SB-36-14	SB-36-14(6-8)	6/19/2014	N	6-8	< 180 U	< 180 U	< 180 U	330	< 180 U	< 180 U	NA	
SB-36-14	DUP-10 20140619	6/19/2014	FD	6-8	< 36 U	< 36 U	< 36 U	160	< 36 U	9.9 J	NA	
SB-36-14	SB-36-											

Table 1.
Soil Analytical Results
RACER Trust Pontiac North Campus
Pontiac, Michigan

Location Code	Sample Code	Sample Date	Sample Type	Sample Depth (feet bgs)	PCBs							
					Aroclor-1016 (PCB-1016)	Aroclor-1221 (PCB-1221) ($\mu\text{g}/\text{kg}$)	Aroclor-1232 (PCB-1232) ($\mu\text{g}/\text{kg}$)	Aroclor-1242 (PCB-1242) ($\mu\text{g}/\text{kg}$)	Aroclor-1248 (PCB-1248) ($\mu\text{g}/\text{kg}$)	Aroclor-1254 (PCB-1254) ($\mu\text{g}/\text{kg}$)	Aroclor-1260 (PCB-1260) ($\mu\text{g}/\text{kg}$)	Aroclor-1268 (PCB-1268) ($\mu\text{g}/\text{kg}$)
AOI W-10 - LNAPL Area 2A												
SB-68-14	SB-68-14_(29-30) 082014	8/20/2014	N	29-30	< 41 U	< 41 U	< 41 U	< 41 U	< 41 U	< 41 U	< 41 U	NA
SB-69-14	SB-69-14_(1-2) 082114	8/21/2014	N	1-2	< 38 U	< 38 U	< 38 U	< 38 U	< 38 U	< 38 U	18 J	NA
SB-69-14	SB-69-14_(5-6) 082114	8/21/2014	N	5-6	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	NA
SB-69-14	SB-69-14_(21-22) 082114	8/21/2014	N	21-22	< 39 U	< 39 U	< 39 U	< 39 U	< 39 U	< 39 U	< 39 U	NA
SB-69-14	SB-69-14_(27-28) 082114	8/21/2014	N	27-28	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	NA
SB-73-15	SB-73-15_(2-4)	4/27/2015	N	2 - 4	<37	<37	<37	<37	88	<37	14 J	NA
SB-73-15	SB-73-15_(7-8)	4/27/2015	N	7 - 8	<38	<38	<38	<38	<38	<38	<38	NA
SB-73-15	SB-73-15_(14-15)	4/27/2015	N	14 - 15	<39	<39	<39	<39	<39	<39	<39	NA
SB-73-15	DUP_01_20150427	4/27/2015	FD	14 - 15	<39	<39	<39	<39	<39	<39	<39	NA
SB-73-15	SB-73-15_(19-20)	4/27/2015	N	19 - 20	<41	<41	<41	<41	<41	<41	<41	NA
SB-73-15	SB-73-15_(22-23)	4/27/2015	N	22 - 23	<41	<41	<41	<41	<41	<41	<41	NA
SB-73-15	SB-73-15_(25-26)	4/27/2015	N	25 - 26	<37	<37	<37	<37	<37	<37	<37	NA
AOI W-10 and W-1 - LNAPL Area 2B												
SB-17-14	SB-17-14_(2-3)	6/10/2014	N	2-3	< 38 U	< 38 U	< 38 U	< 38 U	200	< 38 U	200	NA
SB-17-14	SB-17-14_(9-10)	6/10/2014	N	9-10	< 38 U	< 38 U	< 38 U	< 38 U	12 J	< 38 U	< 38 U	NA
SB-17-14	SB-17-14_(14-15)	6/10/2014	N	14-15	< 38 U	< 38 U	< 38 U	< 38 U	< 38 U	< 38 U	< 38 U	NA
SB-17-14	SB-17-14_(18-20)	6/10/2014	N	18-20	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	NA
SB-17-14	SB-17-14_(22-23)	6/10/2014	N	22-23	< 39 U	< 39 U	< 39 U	< 39 U	< 39 U	< 39 U	< 39 U	NA
SB-17-14	SB-17-14_(28-29)	6/10/2014	N	28-29	< 41 U	< 41 U	< 41 U	< 41 U	6.5 J	< 41 U	< 41 U	NA
SB-18-14	SB-18-14_(2-3)	6/10/2014	N	2-3	< 180 U	< 180 U	< 180 U	660	< 180 U	< 180 U	100 J	NA
SB-18-14	SB-18-14_(8-9)	6/10/2014	N	8-9	< 38 U	< 38 U	< 38 U	< 38 U	< 38 U	< 38 U	< 38 U	NA
SB-18-14	SB-18-14_(13-14)	6/10/2014	N	13-14	< 39 U	< 39 U	< 39 U	< 39 U	< 39 U	< 39 U	< 39 U	NA
SB-18-14	SB-18-14_(17-18)	6/10/2014	N	17-18	< 39 U	< 39 U	< 39 U	< 39 U	< 39 U	< 39 U	< 39 U	NA
SB-18-14	SB-18-14_(20-21)	6/10/2014	N	20-21	< 750 U	< 750 U	< 750 U	3800	< 750 U	160 J	NA	
SB-18-14	SB-18-14_(26-27)	6/10/2014	N	26-27	< 39 U	< 39 U	< 39 U	< 39 U	81	< 39 U	6.3 J	NA
SB-19-14	SB-19-14_(2-3)	6/11/2014	N	2-3	< 39 U	< 39 U	< 39 U	< 39 U	150	< 39 U	20 J	NA
SB-19-14	SB-19-14_(5-10)	6/11/2014	N	5-10	< 38 U	< 38 U	< 38 U	< 38 U	21 J	< 38 U	< 38 U	NA
SB-19-14	SB-19-14_(12-13)	6/11/2014	N	12-13	< 39 U	< 39 U	< 39 U	< 39 U	< 39 U	< 39 U	< 39 U	NA
SB-19-14	SB-19-14_(16-17)	6/11/2014	N	16-17	< 39 U	< 39 U	< 39 U	< 39 U	< 39 U	< 39 U	< 39 U	NA
SB-19-14	SB-19-14_(20-22)	6/11/2014	N	20-22	< 43 U	< 43 U	< 43 U	< 43 U	57	< 43 U	< 43 U	NA
SB-19-14	DUP_07_20140611	6/11/2014	FD	20-22	< 44 U	< 44 U	< 44 U	< 44 U	91	< 44 U	< 44 U	NA
SB-19-14	SB-19-14_(28-29)	6/11/2014	N	28-29	< 39 U	< 39 U	< 39 U	< 39 U	< 39 U	< 39 U	< 39 U	NA
SB-22-14	SB-22-14_(2-3)	6/11/2014	N	2-3	< 36 U	< 36 U	< 36 U	< 36 U	110	< 36 U	< 36 U	NA
SB-22-14	SB-22-14_(9-10)	6/11/2014	N	9-10	< 750 U	< 750 U	< 750 U	< 750 U	1800	< 750 U	< 750 U	NA
SB-22-14	SB-22-14_(11-12)	6/11/2014	N	11-12	< 770 U	< 770 U	< 770 U	< 770 U	2300	< 770 U	< 770 U	NA
SB-22-14	SB-22-14_(16-17)	6/11/2014	N	16-17	< 40 U	< 40 U	< 40 U	< 40 U	79	< 40 U	< 40 U	NA
SB-22-14	SB-22-14_(21-22)	6/11/2014	N	21-22	< 42 U	< 42 U	< 42 U	< 42 U	19 J	< 42 U	< 42 U	NA
SB-22-14	SB-22-14_(25-27)	6/11/2014	N	25-27	< 39 U	< 39 U	< 39 U	< 39 U	8.9 J	< 39 U	< 39 U	NA
SB-23-14	SB-23-14_(8-10)	6/12/2014	N	8-10	< 210 U	< 210 U	< 210 U	< 210 U	1000	< 210 U	56 J	NA
SB-23-14	SB-23-14_(11-13)	6/12/2014	N	11-13	< 40 U	< 40 U	< 40 U	< 40 U	120	< 40 U	< 40 U	NA
SB-23-14	SB-23-14_(17-18)	6/12/2014	N	17-18	< 210 U	< 210 U	< 210 U	< 210 U	1200	< 210 U	< 210 U	NA
SB-23-14	DUP_08_20140612	6/12/2014	FD	17-18	< 81 U	< 81 U	< 81 U	< 81 U	610	< 81 U	< 81 U	NA
SB-23-14	SB-23-14_(20-22)	6/12/2014	N	20-22	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	NA
SB-23-14	SB-23-14_(26-27)	6/12/2014	N	26-27	< 38 U	< 38 U	< 38 U	< 38 U	< 38 U	< 38 U	< 38 U	NA
SB-24-14	SB-24-14_(2-3)	6/12/2014	N	2-3	< 36 U	< 36 U	< 36 U	< 36 U	40	< 36 U	< 36 U	NA
SB-24-14												

Table 1.
Soil Analytical Results
RACER Trust Pontiac North Campus
Pontiac, Michigan

Location Code	Sample Code	Sample Date	Sample Type	Sample Depth (feet bgs)	PCBs							
					Aroclor-1016 (PCB-1016)	Aroclor-1221 (PCB-1221) ($\mu\text{g}/\text{kg}$)	Aroclor-1232 (PCB-1232) ($\mu\text{g}/\text{kg}$)	Aroclor-1242 (PCB-1242) ($\mu\text{g}/\text{kg}$)	Aroclor-1248 (PCB-1248) ($\mu\text{g}/\text{kg}$)	Aroclor-1254 (PCB-1254) ($\mu\text{g}/\text{kg}$)	Aroclor-1260 (PCB-1260) ($\mu\text{g}/\text{kg}$)	Aroclor-1268 (PCB-1268) ($\mu\text{g}/\text{kg}$)
AOI W-10 and W-1 - LNAPL Area 2B												
SB-66-14	SB-66-14 (29-30) 081914	8/19/2014	N	29-30	< 42 U	< 42 U	< 42 U	< 42 U	< 42 U	< 42 U	< 42 U	NA
SB-77-15	SB-77-15_(9-10)	4/29/2015	N	9 - 10	<37	<37	<37	<37	350	<37	<37	NA
SB-77-15	DUP-03_20150430	4/30/2015	FD	9 - 10	<180	<180	<180	<180	1,100	<180	78 J	NA
SB-77-15	SB-77-15_(20-21)	4/29/2015	N	20 - 21	<40	<40	<40	<40	<40	<40	<40	NA
SB-77-15	SB-77-15_(29-30)	4/29/2015	N	29 - 30	<42	<42	<42	<42	<42	<42	<42	NA
SB-78-15	SB-78-15_(8-9)	4/30/2015	N	8 - 9	<190	<190	<190	<190	<190	<190	<190	NA
SB-78-15	SB-78-15_(10-11)	4/30/2015	N	10 - 11	<75	<75	<75	<75	42 J	<75	<75	NA
SB-78-15	SB-78-15_(26-27)	4/30/2015	N	26 - 27	<41	<41	<41	<41	<41	<41	<41	NA
SB-79-15	SB-79-15_(13-14)	4/30/2015	N	13 - 14	<36	<36	<36	<36	20 J	<36	<36	NA
SB-79-15	SB-79-15_(20.5-21.5)	4/30/2015	N	20.5 - 21.5	<35	<35	<35	88	<35	93	<35	NA
SB-79-15	SB-79-15_(26-27)	4/30/2015	N	26 - 27	<41	<41	<41	<41	<41	<41	<41	NA
SB-80-15	SB-80-15_(8-9)	4/30/2015	N	8 - 9	<190	<190	<190	<190	1,600	<190	120 J	NA
SB-80-15	SB-80-15_(24-25)	4/30/2015	N	24 - 25	<34	<34	<34	<34	94	<34	<34	NA
SB-80-15	SB-80-15_(36.5-37.5)	4/30/2015	N	36.5 - 37.5	<370	<370	<370	<370	<370	<370	<370	NA
AOI W-1 - LNAPL Area 1/7												
SB-01-14	SB-01-14 (4-5)	6/2/2014	N	4-5	< 400 U	< 400 U	< 400 U	2200	< 400 U	130 J	NA	
SB-01-14	SB-01-14 (6-7)	6/2/2014	N	6-7	< 36 U	< 36 U	< 36 U	22 J	< 36 U	< 36 U	< 36 U	NA
SB-01-14	SB-01-14 (14-15)	6/2/2014	N	14-15	< 7200 U	< 7200 U	< 7200 U	19000	< 7200 U	< 7200 U	< 7200 U	NA
SB-01-14	SB-01-14 (16-17)	6/2/2014	N	16-17	< 200 U	< 200 U	< 200 U	350	< 200 U	< 200 U	< 200 U	NA
SB-01-14	SB-01-14 (19-20)	6/2/2014	N	19-20	< 5100 U	< 5100 U	< 5100 U	17000	< 5100 U	970 J	NA	
SB-01-14	SB-01-14 (22-23)	6/2/2014	N	22-23	< 38 U	< 38 U	< 38 U	< 38 U	< 38 U	< 38 U	< 38 U	NA
SB-01-14	SB-01-14 (29-30)	6/2/2014	N	29-30	< 37 U	< 37 U	< 37 U	< 37 U	< 37 U	< 37 U	< 37 U	NA
SB-02-14	SB-02-14 (3-4)	6/2/2014	N	3-4	< 38 U	< 38 U	< 38 U	180	< 38 U	< 38 U	54	NA
SB-02-14	DUP-01_20140602	6/2/2014	FD	3-4	< 200 U	< 200 U	< 200 U	780	< 200 U	< 200 U	80 J	NA
SB-02-14	SB-02-14 (7.5-8)	6/2/2014	N	7.5-8	< 1800 U	< 1800 U	< 1800 U	7200	< 1800 U	330 J	NA	
SB-02-14	SB-02-14 (11-12)	6/2/2014	N	11-12	< 740 U	< 740 U	< 740 U	3400	< 740 U	160 J	NA	
SB-02-14	SB-02-14 (17-18)	6/2/2014	N	17-18	< 19000 U	< 19000 U	< 19000 U	25000	< 19000 U	< 19000 U	< 19000 U	NA
SB-02-14	SB-02-14 (20-21)	6/2/2014	N	20-21	< 38 U	< 38 U	< 38 U	110	< 38 U	9.1 J	NA	
SB-02-14	SB-02-14 (29-30)	6/2/2014	N	29-30	< 37 U	< 37 U	< 37 U	< 37 U	< 37 U	< 37 U	< 37 U	NA
SB-03-14	SB-03-14 (6-7)	6/3/2014	N	6-7	< 370 U	< 370 U	< 370 U	2300	< 370 U	160 J	NA	
SB-03-14	SB-03-14 (10-11)	6/3/2014	N	10-11	< 270 U	< 270 U	< 270 U	1100	< 270 U	59 J	NA	
SB-03-14	SB-03-14 (16-17)	6/3/2014	N	16-17	< 40000 U	< 40000 U	< 40000 U	180000	< 40000 U	< 40000 U	5000 J	NA
SB-03-14	SB-03-14 (19-20)	6/3/2014	N	19-20	< 3900 U	< 3900 U	< 3900 U	18000	< 3900 U	760 Jp	NA	
SB-03-14	SB-03-14 (21-22)	6/3/2014	N	21-22	< 40 U	< 40 U	< 40 U	140	< 40 U	8.5 J	NA	
SB-03-14	SB-03-14 (26-27)	6/3/2014	N	26-27	< 39 U	< 39 U	< 39 U	23 J	< 39 U	< 39 U	< 39 U	NA
SB-04-14	SB-04-14 (1-2)	6/3/2014	N	1-2	< 39 U	< 39 U	< 39 U	230	< 39 U	< 39 U	57	NA
SB-04-14	SB-04-14 (5-6)	6/3/2014	N	5-6	< 35 U	< 35 U	< 35 U	300	< 35 U	28 J	NA	
SB-04-14	SB-04-14 (12-13)	6/3/2014	N	12-13	< 530 U	< 530 U	< 530 U	2400	< 530 U	< 530 U	< 530 U	NA
SB-04-14	SB-04-14 (16-17)	6/3/2014	N	16-17	< 20000 U	< 20000 U	< 20000 U	39000	< 20000 U	< 20000 U	< 20000 U	NA
SB-04-14	DUP-02_20140603	6/3/2014	FD	16-17	< 20000 U	< 20000 U	< 20000 U	55000	< 20000 U	< 20000 U	< 20000 U	NA
SB-04-14	SB-04-14 (24-25)	6/3/2014	N	24-25	< 40 U	< 40 U	< 40 U	150	< 40 U	< 40 U	12 J	NA
SB-04-14	SB-04-14 (29-30)	6/3/2014	N	29-30	< 35 U	< 35 U	< 35 U	35 U	< 35 U	< 35 U	< 35 U	NA
SB-13-14	SB-13-14 (4-5)	6/9/2014	N	4-5	< 40 U	< 40 U	< 40 U	52	< 40 U	12 J	NA	
SB-13-14	SB-13-14 (6-7)	6/9/2014	N	6-7	< 37 U	< 37 U	< 37 U	120	< 37 U	12 J	NA	
SB-13-14	SB-13-14 (9-10)	6/9/2014	N	9-10	< 37000 U	< 37000 U	< 37000 U	130000	< 37000 U	< 37000 U	< 37000 U	NA
SB-13-14	SB-13-14 (11-12)	6/9/2014	N	11-12	< 80000 U	< 80000 U	<					

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Location Code	Sample Code	Sample Date	Sample Type	Sample Depth (feet bgs)	PCBs							
					Aroclor-1016 (PCB-1016)	Aroclor-1221 (PCB-1221) ($\mu\text{g}/\text{kg}$)	Aroclor-1232 (PCB-1232) ($\mu\text{g}/\text{kg}$)	Aroclor-1242 (PCB-1242) ($\mu\text{g}/\text{kg}$)	Aroclor-1248 (PCB-1248) ($\mu\text{g}/\text{kg}$)	Aroclor-1254 (PCB-1254) ($\mu\text{g}/\text{kg}$)	Aroclor-1260 (PCB-1260) ($\mu\text{g}/\text{kg}$)	Aroclor-1268 (PCB-1268) ($\mu\text{g}/\text{kg}$)
AOI W-1 - LNAPL Area 1/7												
SB-16-14	DUP-06 20140610	6/10/2014	FD	18-20	< 77000 U	< 77000 U	< 77000 U	340000	< 77000 U	14000 J	NA	
SB-16-14	SB-16-14 (23-25)	6/10/2014	N	23-25	< 38000 U	< 38000 U	< 38000 U	160000	< 38000 U	7600 J	NA	
SB-16-14	SB-16-14 (25-27)	6/10/2014	N	25-27	< 45 U	< 45 U	< 45 U	< 45 U	300	< 45 U	NA	
SB-20-14	SB-20-14 (10-12)	6/11/2014	N	10-12	< 250 U	< 250 U	1000	< 250 U	< 250 U	120 J	NA	
SB-20-14	SB-20-14 (16-18)	6/11/2014	N	16-18	< 230 U	< 230 U	490	< 230 U	< 230 U	69 J	NA	
SB-20-14	SB-20-14 (18-20)	6/11/2014	N	18-20	< 9000 U	< 9000 U	39000	< 9000 U	< 9000 U	1200 J	NA	
SB-20-14	SB-20-14 (22-24)	6/11/2014	N	22-24	< 21000 U	< 21000 U	74000	< 21000 U	< 21000 U	< 21000 U	NA	
SB-21-14	SB-21-14 (10-12)	6/11/2014	N	10-12	< 450 U	< 450 U	< 450 U	2400	< 450 U	400 J	NA	
SB-21-14	SB-21-14 (16-18)	6/11/2014	N	16-18	< 2600 U	< 2600 U	< 2600 U	9000	< 2600 U	< 2600 U	NA	
SB-21-14	SB-21-14 (18-20)	6/11/2014	N	18-20	< 45 U	< 45 U	< 45 U	500	< 45 U	< 45 U	NA	
SB-30-14	SB-30-14(2-4)	6/19/2014	N	2-4	< 37 U	< 37 U	< 37 U	510	< 37 U	180	< 37 U	NA
SB-30-14	SB-30-14 (6-8)	6/16/2014	N	6-8	< 1800 U	< 1800 U	< 1800 U	5100	< 1800 U	< 1800 U	NA	
SB-30-14	SB-30-14 (8-10)	6/16/2014	N	8-10	< 19000 U	< 19000 U	< 19000 U	64000	< 19000 U	< 19000 U	NA	
SB-30-14	SB-30-14 (12-14)	6/16/2014	N	12-14	< 21000 U	< 21000 U	< 21000 U	120000	< 21000 U	< 21000 U	NA	
SB-30-14	SB-30-14 (16-18)	6/16/2014	N	16-18	< 7900 U	< 7900 U	< 7900 U	56000	< 7900 U	< 7900 U	NA	
SB-30-14	SB-30-14 (22-24)	6/16/2014	N	22-24	< 1900 U	< 1900 U	< 1900 U	10000	< 1900 U	< 1900 U	NA	
SB-31-14	SB-31-14(2-4)	6/19/2014	N	2-4	< 36 U	< 36 U	< 36 U	200	< 36 U	38	NA	
SB-31-14	SB-31-14 (6-8)	6/16/2014	N	6-8	< 20000 U	< 20000 U	< 20000 U	140000	< 20000 U	< 20000 U	NA	
SB-31-14	SB-31-14 (8-10)	6/16/2014	N	8-10	< 1900 U	< 1900 U	< 1900 U	14000	< 1900 U	< 1900 U	NA	
SB-31-14	SB-31-14 (12-14)	6/16/2014	N	12-14	< 47000 U	< 47000 U	< 47000 U	240000	< 47000 U	< 47000 U	NA	
SB-31-14	SB-31-14 (16-18)	6/16/2014	N	16-18	< 41000 U	< 41000 U	< 41000 U	< 41000 U	450000	< 41000 U	NA	
SB-31-14	SB-31-14 (22-24)	6/16/2014	N	22-24	< 22000 U	< 22000 U	< 22000 U	140000	< 22000 U	< 22000 U	NA	
SB-31-14	SB-31-14 (26-28)	6/16/2014	N	26-28	< 40 U	< 40 U	< 40 U	13 J	< 40 U	< 40 U	NA	
SB-32-14	SB-32-14(2-4)	6/19/2014	N	2-4	< 37 U	< 37 U	< 37 U	280	< 37 U	100	NA	
SB-32-14	SB-32-14 (6-8)	6/16/2014	N	6-8	< 22000 U	< 22000 U	< 22000 U	100000	< 22000 U	< 22000 U	NA	
SB-32-14	SB-32-14 (8-10)	6/16/2014	N	8-10	< 38000 U	< 38000 U	< 38000 U	110000	< 38000 U	< 38000 U	NA	
SB-32-14	SB-32-14 (12-14)	6/16/2014	N	12-14	< 7600 U	< 7600 U	< 7600 U	37000	< 7600 U	< 7600 U	NA	
SB-32-14	SB-32-14 (16-18)	6/16/2014	N	16-18	< 360 U	< 360 U	< 360 U	1700	< 360 U	< 360 U	NA	
SB-32-14	SB-32-14 (22-24)	6/16/2014	N	22-24	< 36 U	< 36 U	< 36 U	41	< 36 U	< 36 U	NA	
SB-32-14	DUP09-06162014	6/16/2014	FD	22-24	< 3900 U	< 3900 U	< 3900 U	22000	< 3900 U	< 3900 U	NA	
SB-33-14	SB-33-14(2-4)	6/19/2014	N	2-4	< 190 U	< 190 U	< 190 U	320	< 190 U	77 J	NA	
SB-33-14	SB-33-14 (6-8)	6/17/2014	N	6-8	< 390 U	< 390 U	< 390 U	1400	< 390 U	< 390 U	NA	
SB-33-14	SB-33-14 (8-10)	6/17/2014	N	8-10	< 38000 U	< 38000 U	< 38000 U	200000	< 38000 U	< 38000 U	NA	
SB-33-14	SB-33-14 (12-14)	6/17/2014	N	12-14	< 18000 U	< 18000 U	< 18000 U	74000	< 18000 U	< 18000 U	NA	
SB-33-14	SB-33-14 (16-18)	6/17/2014	N	16-18	< 5800 U	< 5800 U	< 5800 U	15000	< 5800 U	< 5800 U	NA	
SB-33-14	SB-33-14 (22-24)	6/17/2014	N	22-24	< 4100 U	< 4100 U	< 4100 U	13000	< 4100 U	< 4100 U	NA	
SB-38-14	SB-38-14 (5-6)	6/23/2014	N	5-6	< 200 U	< 200 U	< 200 U	460	< 200 U	37 J	NA	
SB-38-14	SB-38-14 (12-14)	6/23/2014	N	12-14	< 2500 U	< 2500 U	< 2500 U	18000	< 2500 U	950 J	NA	
SB-38-14	SB-38-14 (20-22)	6/23/2014	N	20-22	< 41 U	< 41 U	< 41 U	140	< 41 U	16 J	NA	
SB-38-14	SB-38-14 (22-24)	6/23/2014	N	22-24	< 39 U	< 39 U	< 39 U	29 J	< 39 U	< 39 U	NA	
SB-38-14	SB-38-14 (24-26)	6/23/2014	N	24-26	< 38 U	< 38 U	< 38 U	< 38 U	< 38 U	< 38 U	NA	
SB-38-14	SB-38-14 (28-30)	6/23/2014	N	28-30	< 46 U	< 46 U	< 46 U	< 46 U	< 46 U	< 46 U	NA	
SB-39-14	SB-39-14 (5-6)	6/23/2014	N	5-6	< 180 U	< 180 U	< 180 U	540	< 180 U	< 180 U	49 J	NA
SB-39-14	SB-39-14 (18-20)	6/23/2014	N	18-20	< 190 U	< 190 U	< 190 U	490	< 190 U	< 190 U	40 J	NA
SB-39-14	SB-39-14 (20-22)	6/23/2014	N	20-22	< 400 U	< 400 U	< 400 U	960				

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					Aroclor-1016 (PCB-1016)	Aroclor-1221 (PCB-1221) ($\mu\text{g}/\text{kg}$)	Aroclor-1232 (PCB-1232) ($\mu\text{g}/\text{kg}$)	Aroclor-1242 (PCB-1242) ($\mu\text{g}/\text{kg}$)	Aroclor-1248 (PCB-1248) ($\mu\text{g}/\text{kg}$)	Aroclor-1254 (PCB-1254) ($\mu\text{g}/\text{kg}$)	Aroclor-1260 (PCB-1260) ($\mu\text{g}/\text{kg}$)	Aroclor-1268 (PCB-1268) ($\mu\text{g}/\text{kg}$)
AOI W-1 - LNAPL Area 1/7												
SB-43-14	SB-43-14 (18-20)	6/24/2014	N	18-20	< 200 U	< 200 U	< 200 U	1000	< 200 U	480	< 200 U	NA
SB-43-14	SB-43-14 (24-26)	6/24/2014	N	24-26	< 40 U	< 40 U	< 40 U	< 40 U	22 J	< 40 U	< 40 U	NA
SB-43-14	SB-43-14 (26-28)	6/24/2014	N	26-28	< 200 U	< 200 U	< 200 U	< 200 U	1100	< 200 U	77 J	NA
SB-43-14	SB-43-14 (28-30)	6/24/2014	N	28-30	< 2100 U	< 2100 U	< 2100 U	< 2100 U	28000	< 2100 U	1400 J	NA
SB-43-14	SB-43-14 (30-32)	6/24/2014	N	30-32	< 37 U	< 37 U	< 37 U	< 37 U	< 37 U	< 37 U	< 37 U	NA
SB-44-14	SB-44-14 (6-8)	6/25/2014	N	6-8	< 20000 U	< 20000 U	< 20000 U	< 20000 U	43000	< 20000 U	< 20000 U	NA
SB-44-14	SB-44-14 (14-16)	6/25/2014	N	14-16	< 490 U	< 490 U	< 490 U	< 490 U	< 490 U	< 490 U	< 490 U	NA
SB-44-14	SB-44-14 (16-18)	6/25/2014	N	16-18	< 43 U	< 43 U	< 43 U	< 43 U	< 43 U	< 43 U	< 43 U	NA
SB-44-14	SB-44-14 (18-20)	6/25/2014	N	18-20	< 35 U	< 35 U	< 35 U	< 35 U	19 J	< 35 U	< 35 U	NA
SB-44-14	SB-44-14 (20-22)	6/25/2014	N	20-22	< 770 U	< 770 U	< 770 U	< 770 U	2100	< 770 U	< 770 U	NA
SB-44-14	SB-44-14 (28-30)	6/25/2014	N	28-30	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	NA
SB-44-14	DUP13_06252014	6/25/2014	FD	28-30	< 39 U	< 39 U	< 39 U	< 39 U	< 39 U	< 39 U	< 39 U	NA
SB-45-14	SB-45-14 (3-5)	6/25/2014	N	3-5	< 43 U	< 43 U	< 43 U	290	< 43 U	< 43 U	25 J	NA
SB-45-14	SB-45-14 (5-6)	6/25/2014	N	5-6	< 940 U	< 940 U	4300	< 940 U	210 J	NA		
SB-45-14	SB-45-14 (6-8)	6/25/2014	N	6-8	< 81000 U	< 81000 U	340000	< 81000 U	< 81000 U	< 81000 U	< 81000 U	NA
SB-45-14	SB-45-14 (8-10)	6/25/2014	N	8-10	< 20000 U	< 20000 U	260000	< 20000 U	< 20000 U	< 20000 U	< 20000 U	NA
SB-45-14	SB-45-14 (10-12)	6/25/2014	N	10-12	< 4100 U	< 4100 U	43000	< 4100 U	< 4100 U	< 4100 U	< 4100 U	NA
SB-45-14	SB-45-14 (12-14)	6/25/2014	N	12-14	< 20000 U	< 20000 U	65000	< 20000 U	< 20000 U	< 20000 U	< 20000 U	NA
SB-45-14	SB-45-14 (14-16)	6/25/2014	N	14-16	< 2100 U	< 2100 U	7400	< 2100 U	< 2100 U	< 2100 U	< 2100 U	NA
SB-45-14	SB-45-14 (16-18)	6/25/2014	N	16-18	< 2200 U	< 2200 U	10000	< 2200 U	< 2200 U	< 2200 U	< 2200 U	NA
SB-45-14	SB-45-14 (18-20)	6/25/2014	N	18-20	< 7800 U	< 7800 U	17000	< 7800 U	< 7800 U	< 7800 U	< 7800 U	NA
SB-45-14	SB-45-14 (20-22)	6/25/2014	N	20-22	< 230 U	< 230 U	810	< 230 U	30 J	NA		
SB-45-14	SB-45-14 (28-30)	6/25/2014	N	28-30	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	NA
SB-46-14	SB-46-14 (2-4)	6/25/2014	N	2-4	< 200 U	< 200 U	200	< 200 U	46 J	NA		
SB-46-14	SB-46-14 (4-6)	6/25/2014	N	4-6	< 200 U	< 200 U	970	< 200 U	89 J	NA		
SB-46-14	SB-46-14 (6-8)	6/25/2014	N	6-8	< 38 U	< 38 U	140	< 38 U	NA			
SB-46-14	SB-46-14 (8-10)	6/25/2014	N	8-10	< 38 U	< 38 U	300	< 38 U				
SB-46-14	SB-46-14 (10-12)	6/25/2014	N	10-12	< 40 U	< 40 U	32 J	< 40 U	23 J	NA		
SB-46-14	SB-46-14 (12-14)	6/25/2014	N	12-14	< 48 U	< 48 U	18 J	< 48 U	NA			
SB-46-14	SB-46-14 (14-16)	6/25/2014	N	14-16	< 45 U	< 45 U	200	< 45 U				
SB-46-14	SB-46-14 (16-18)	6/25/2014	N	16-18	< 800 U	< 800 U	4000	< 800 U				
SB-46-14	SB-46-14 (20-22)	6/25/2014	N	20-22	< 20000 U	< 20000 U	43000	< 20000 U				
SB-46-14	SB-46-14 (22-24)	6/25/2014	N	22-24	< 40 U	< 40 U	150	< 40 U	28 J	NA		
SB-46-14	SB-46-14 (24-26)	6/25/2014	N	24-26	< 41 U	< 41 U	79	< 41 U	13 J	NA		
SB-46-14	SB-46-14 (28-30)	6/25/2014	N	28-30	< 35 U	< 35 U	12 J	< 35 U				
SB-47-14	SB-47-14 (2-4)	7/21/2014	N	2-4	< 380 U	< 380 U	1100	< 380 U	160 J	< 380 U	NA	
SB-47-14	SB-47-14 (8-10)	7/25/2014	N	8-10	< 190 U	< 190 U	560	< 190 U	< 190 U	NA		
SB-47-14	SB-47-14 (14-16)	7/25/2014	N	14-16	< 39 U	< 39 U	260	< 39 U	NA			
SB-47-14	SB-47-14 (18-20)	7/25/2014	N	18-20	< 37 U	< 37 U	< 37 U	< 37 U	93	< 37 U	NA	
SB-47-14	SB-47-14 (22-24)	7/25/2014	N	22-24	< 42 U	< 42 U	220	< 42 U	NA			
SB-47-14	SB-47-14 (28-30)	7/25/2014	N	28-30	< 3500 U	< 3500 U	23000	< 3500 U				
SB-48-14	SB-48-14 (2-3)	7/21/2014	N	2-3	< 380 U	< 380 U	630	< 380 U	100 J	NA		
SB-48-14	SB-48-14 (8-10)	7/25/2014	N	8-10	< 3900 U	< 3900 U	21000	< 3900 U	< 3900 U	NA		
SB-48-14	DUP-14_20140725	7/25/2014	FD	8-10	< 3700 U	< 3700 U	28000	< 3700 U	< 3700 U	NA		
SB-48-14	SB-48-14 (12-14)	7/25/2014	N	12-14	< 7600 U	< 7600 U	34000	< 7600 U				
SB-48-14	SB-48-14 (18-20)	7/25/2014	N	18-20	< 2000 U	< 2000 U	13000	< 2000 U				
SB-48-14	SB-48-14 (24-26)	7/25/2014	N	24-26	< 430 U	< 430 U						

Table 1.
Soil Analytical Results
RACER Trust Pontiac North Campus
Pontiac, Michigan

Location Code	Sample Code	Sample Date	Sample Type	Sample Depth (feet bgs)	PCBs							
					Aroclor-1016 (PCB-1016)	Aroclor-1221 (PCB-1221) ($\mu\text{g}/\text{kg}$)	Aroclor-1232 (PCB-1232) ($\mu\text{g}/\text{kg}$)	Aroclor-1242 (PCB-1242) ($\mu\text{g}/\text{kg}$)	Aroclor-1248 (PCB-1248) ($\mu\text{g}/\text{kg}$)	Aroclor-1254 (PCB-1254) ($\mu\text{g}/\text{kg}$)	Aroclor-1260 (PCB-1260) ($\mu\text{g}/\text{kg}$)	Aroclor-1268 (PCB-1268) ($\mu\text{g}/\text{kg}$)
AOI W-1 - LNAPL Area 1/7												
SB-52-14	SB-52-14(4-6)	7/29/2014	N	4-6	< 190 U	< 190 U	< 190 U	690	< 190 U	< 190 U	NA	
SB-52-14	SB-52-14(6-8)_20140729	7/29/2014	N	6-8	< 790 UH	< 790 UH	< 790 UH	5700 H	< 790 UH	< 790 UH	NA	
SB-52-14	SB-52-14(8-10)	7/29/2014	N	8-10	< 19000 U	< 19000 U	< 19000 U	110000	< 19000 U	< 19000 U	NA	
SB-52-14	SB-52-14(10-12)	7/29/2014	N	10-12	< 10000 U	< 10000 U	< 10000 U	29000	< 10000 U	< 10000 U	NA	
SB-52-14	SB-52-14(16-18)	7/29/2014	N	16-18	< 360 U	< 360 U	< 360 U	2100	< 360 U	< 360 U	NA	
SB-52-14	SB-52-14(22-24)	7/29/2014	N	22-24	< 350 U	< 350 U	< 350 U	2100	< 350 U	< 350 U	NA	
SB-52-14	SB-52-14(24-26)	7/29/2014	N	24-26	< 370 U	< 370 U	< 370 U	3100	< 370 U	< 370 U	NA	
SB-52-14	DUP-15_20140729	7/29/2014	FD	24-26	< 350 U	< 350 U	< 350 U	2200	< 350 U	< 350 U	NA	
SB-52-14	SB-52-14(30-32)	7/29/2014	N	30-32	< 38 U	< 38 U	< 38 U	11 J	6.0 J	< 38 U	NA	
SB-53-14	SB-53-14(2-3.5)	7/28/2014	N	2-3.5	< 36 U	< 36 U	< 36 U	160	< 36 U	38	NA	
SB-53-14	SB-53-14(8-10)	7/30/2014	N	8-10	< 350 U	< 350 U	< 350 U	1500	< 350 U	< 350 U	NA	
SB-53-14	SB-53-14(12-14)	7/30/2014	N	12-14	< 180 U	< 180 U	< 180 U	450	< 180 U	< 180 U	NA	
SB-53-14	SB-53-14(18-20)	7/30/2014	N	18-20	< 1900 U	< 1900 U	< 1900 U	5400	< 1900 U	< 1900 U	NA	
SB-53-14	SB-53-14(22-24)	7/30/2014	N	22-24	< 19000 U	< 19000 U	< 19000 U	53000	< 19000 U	< 19000 U	NA	
SB-53-14	SB-53-14(24-26)	7/30/2014	N	24-26	< 3700 U	< 3700 U	< 3700 U	12000	< 3700 U	< 3700 U	NA	
SB-54-14	SB-54-14(2-3.5)	7/28/2014	N	2-3.5	< 180 U	< 180 U	< 180 U	270	< 180 U	49 J	NA	
SB-54-14	SB-54-14(6-8)	7/30/2014	N	6-8	< 380 U	< 380 U	< 380 U	970	< 380 U	NA		
SB-54-14	SB-54-14(14-16)	7/30/2014	N	14-16	< 4200 U	< 4200 U	< 4200 U	27000	< 4200 U	< 4200 U	NA	
SB-54-14	SB-54-14(18-20)	7/30/2014	N	18-20	< 19000 U	< 19000 U	< 19000 U	140000	< 19000 U	< 19000 U	NA	
SB-54-14	DUP-16_20140730	7/30/2014	FD	18-20	< 21000 U	< 21000 U	< 21000 U	110000	< 21000 U	< 21000 U	NA	
SB-54-14	SB-54-14(20-22)	7/30/2014	N	20-22	< 45 U	< 45 U	< 45 U	210	< 45 U	< 45 U	NA	
SB-54-14	SB-54-14(24-26)	7/30/2014	N	24-26	< 1800 U	< 1800 U	< 1800 U	12000	< 1800 U	< 1800 U	NA	
SB-55-14	SB-55-14(2-4)	7/30/2014	N	2-4	< 72 U	< 72 U	< 72 U	330	< 72 U	82	NA	
SB-55-14	SB-55-14(6-8)	7/30/2014	N	6-8	< 37 U	< 37 U	< 37 U	75	< 37 U	< 37 U	NA	
SB-55-14	SB-55-14(12-14)	7/30/2014	N	12-14	< 1700 U	< 1700 U	< 1700 U	4000	< 1700 U	< 1700 U	NA	
SB-55-14	SB-55-14(16-18)	7/30/2014	N	16-18	< 3800 U	< 3800 U	< 3800 U	15000	< 3800 U	< 3800 U	NA	
SB-55-14	SB-55-14(22-24)	7/31/2014	N	22-24	< 43 U	< 43 U	< 43 U	42 J	39 J	< 43 U	NA	
SB-55-14	SB-55-14(26-28)	7/31/2014	N	26-28	< 41 U	< 41 U	< 41 U	22 J	< 41 U	< 41 U	NA	
SB-56-14	SB-56-14(2-4)	7/30/2014	N	2-4	< 370 U	< 370 U	< 370 U	1800	< 370 U	< 370 U	NA	
SB-56-14	SB-56-14(8-10)	7/31/2014	N	8-10	< 39 U	< 39 U	< 39 U	110	190	< 39 U	NA	
SB-56-14	SB-56-14(14-16)	7/31/2014	N	14-16	< 4400 U	< 4400 U	< 4400 U	13000	< 4400 U	< 4400 U	NA	
SB-56-14	SB-56-14(16-18)	7/31/2014	N	16-18	< 4100 U	< 4100 U	< 4100 U	18000	< 4100 U	< 4100 U	NA	
SB-56-14	SB-56-14(22-24)	7/31/2014	N	22-24	< 40 U	< 40 U	< 40 U	72	36 J	< 40 U	NA	
SB-56-14	SB-56-14(24-26)	7/31/2014	N	24-26	< 39 U	< 39 U	< 39 U	120	< 39 U	< 39 U	NA	
SB-57-14	SB-57-14 (4-6)	8/1/2014	N	4-6	< 180 U	< 180 U	< 180 U	580	< 180 U	NA		
SB-57-14	SB-57-14 (8-10)	8/1/2014	N	8-10	< 43 U	< 43 U	< 43 U	99	< 43 U	NA		
SB-57-14	SB-57-14 (14-16)	8/1/2014	N	14-16	< 21000 U	< 21000 U	< 21000 U	91000	< 21000 U	< 21000 U	NA	
SB-57-14	SB-57-14 (16-18)	8/1/2014	N	16-18	< 8400 U	< 8400 U	< 8400 U	34000	< 8400 U	< 8400 U	NA	
SB-57-14	SB-57-14 (22-24)	8/1/2014	N	22-24	< 2000 U	< 2000 U	< 2000 U	7100	< 2000 U	< 2000 U	NA	
SB-57-14	DUP-17_20140801	8/1/2014	FD	22-24	< 2200 U	< 2200 U	< 2200 U	6700	< 2200 U	< 2200 U	NA	
SB-57-14	SB-57-14 (26-28)	8/1/2014	N	26-28	< 38 U	< 38 U	< 38 U	210	< 38 U	< 38 U	NA	
SB-58-14	SB-58-14(2-4)	7/31/2014	N	2-4	< 2200 U	< 2200 U	< 2200 U	16000	< 2200 U	< 2200 U	NA	
SB-58-14	SB-58-14(8-10)	7/31/2014	N	8-10	< 8900 U	< 8900 U	< 8900 U	35000	< 8900 U	< 8900 U	NA	
SB-58-14	SB-58-14(10-12)	7/31/2014	N	10-12	< 8500 U	< 8500 U	< 8500 U	26000	< 8500 U	< 8500 U	NA	
SB-58-14	SB-58-14(18-20)	7/31/2014	N	18-20	< 1800 U	< 1800 U	< 1800 U	13000	< 1800 U	< 1800 U	NA	
SB-58-14	SB-58-14(20-22)	7/										

Table 1.
Soil Analytical Results
CER Trust Pontiac North Campus
Pontiac, Michigan

Location Code	Sample Code	Sample Date	Sample Type	Sample Depth (feet bgs)	PCBs							
					Aroclor-1016 (PCB-1016)	Aroclor-1221 (PCB-1221) (µg/kg)	Aroclor-1232 (PCB-1232) (µg/kg)	Aroclor-1242 (PCB-1242) (µg/kg)	Aroclor-1248 (PCB-1248) (µg/kg)	Aroclor-1254 (PCB-1254) (µg/kg)	Aroclor-1260 (PCB-1260) (µg/kg)	Aroclor-1268 (PCB-1268) (µg/kg)
AOI W-1 - LNAPL Area 1/7												
SB-62-14	SB-62-14_(9-10)081814	8/18/2014	N	9-10	< 720 U	< 720 U	< 720 U	< 720 U	< 720 U	8000	< 720 U	NA
SB-62-14	SB-62-14_(13-14)081814	8/18/2014	N	13-14	< 36 U	< 36 U	< 36 U	< 36 U	< 36 U	< 36 U	< 36 U	NA
SB-62-14	SB-62-14_(19-20)081814	8/18/2014	N	19-20	< 35 U	< 35 U	< 35 U	< 35 U	< 35 U	< 35 U	< 35 U	NA
SB-62-14	SB-62-14_(21-22)081814	8/18/2014	N	21-22	< 34 U	< 34 U	< 34 U	< 34 U	< 34 U	< 34 U	< 34 U	NA
SB-62-14	SB-62-14_(27-28)081814	8/18/2014	N	27-28	< 38 U	< 38 U	< 38 U	< 38 U	< 38 U	< 38 U	< 38 U	NA
SB-63-14	SB-63-14_(3-4)081914	8/19/2014	N	3-4	< 190 U	< 190 U	< 190 U	< 190 U	660	< 190 U	110 J	NA
SB-63-14	SB-63-14_(9-10)081914	8/19/2014	N	9-10	< 220 U	< 220 U	< 220 U	< 220 U	1300	< 220 U	860	NA
SB-63-14	SB-63-14_(11-12)081914	8/19/2014	N	11-12	< 42 U	< 42 U	< 42 U	< 42 U	190	< 42 U	26 J	NA
SB-63-14	SB-63-14_(19-20)081914	8/19/2014	N	19-20	< 36 U	< 36 U	< 36 U	< 36 U	< 36 U	< 36 U	< 36 U	NA
SB-63-14	SB-63-14_(23-24)081914	8/19/2014	N	23-24	< 34 U	< 34 U	< 34 U	< 34 U	< 34 U	< 34 U	< 34 U	NA
SB-63-14	SB-63-14_(29-30)081914	8/19/2014	N	29-30	< 34 U	< 34 U	< 34 U	< 34 U	< 34 U	< 34 U	< 34 U	NA
SB-74-15	SB-74-15_(2-4)	4/28/2015	N	2 - 4	<170	<170	<170	<170	<170	<170	<170	NA
SB-74-15	SB-74-15_(8-9)	4/28/2015	N	8 - 9	<170	<170	<170	<170	<170	<170	<170	NA
SB-74-15	SB-74-15_(10.5-11.5)	4/28/2015	N	10.5 - 11.5	<70	<70	<70	<70	<70	<70	<70	NA
SB-74-15	SB-74-15_(19-20)	4/28/2015	N	19 - 20	<38	<38	<38	<38	<38	<38	<38	NA
SB-74-15	SB-74-15_(24-25)	4/28/2015	N	24 - 25	<42	<42	<42	<42	<42	<42	<42	NA
SB-74-15	SB-74-15_(29-30)	4/28/2015	N	29 - 30	<43	<43	<43	<43	<43	<43	<43	NA
SB-75-15	SB-75-15_(4-5)	4/28/2015	N	4 - 5	<3,600	<3,600	<3,600	<3,600	24,000	<3,600	<3,600	NA
SB-75-15	SB-75-15_(9-10)	4/28/2015	N	9 - 10	<190	<190	<190	<190	1,200	<190	<190	NA
SB-75-15	DUP-02_20150428	4/28/2015	FD	9 - 10	<200	<200	<200	<200	950	<200	<200	NA
SB-75-15	SB-75-15_(11-12)	4/28/2015	N	11 - 12	<38	<38	<38	<38	190	<38	<38	NA
SB-76-15	SB-76-15_(2-4)	4/29/2015	N	2 - 4	<180	<180	<180	<180	830	<180	<180	NA
SB-76-15	SB-76-15_(7-8)	4/29/2015	N	7 - 8	<36	<36	<36	<36	200	<36	<36	NA
SB-76-15	SB-76-15_(12-13)	4/29/2015	N	12 - 13	<39	<39	<39	<39	<39	<39	<39	NA
SB-76-15	SB-76-15_(17-18)	4/29/2015	N	17 - 18	<39	<39	<39	<39	<39	<39	<39	NA
SB-76-15	SB-76-15_(21-22)	4/29/2015	N	21 - 22	<39	<39	<39	<39	<39	<39	<39	NA
SB-76-15	SB-76-15_(25-26)	4/29/2015	N	25 - 26	<41	<41	<41	<41	<41	<41	<41	NA
SB-81-15	SB-81-15_(12-13)	5/1/2015	N	12 - 13	<36	<36	<36	<36	<36	<36	43 p	NA
SB-81-15	SB-81-15_(18-19)	5/1/2015	N	18 - 19	<34	<34	<34	<34	<34	<34	<34	NA
SB-81-15	DUP-04_20150501	5/1/2015	FD	18 - 19	<35	<35	<35	<35	<35	<35	<35	NA
SB-81-15	SB-81-15_(38-40)	5/1/2015	N	38 - 40	<170	<170	<170	<170	1,600	<170	57 J	NA
AOI M2												
SB-05-14	SB-05-14_(5-6)	6/4/2014	N	5-6	< 38 U	< 38 U	< 38 U	140	< 38 U	88	< 38 U	NA
SB-06-14	SB-06-14_(4-5)	6/4/2014	N	4-5	< 180 U	< 180 U	< 180 U	< 180 U	950	< 180 U	< 180 U	NA
SB-06-14	SB-06-14_(6-10)	6/4/2014	N	6-10	< 190 U	< 190 U	< 190 U	< 190 U	930	< 190 U	< 190 U	NA
SB-06-14	SB-06-14_(14-15)	6/4/2014	N	14-15	< 360 U	< 360 U	< 360 U	3800	< 360 U	< 360 U	84 J	NA
SB-06-14	SB-06-14_(18-19)	6/4/2014	N	18-19	< 740 U	< 740 U	< 740 U	9300	< 740 U	< 740 U	200 J	NA
SB-06-14	SB-06-14_(22-23)	6/4/2014	N	22-23	< 37 U	< 37 U	< 37 U	13 J	< 37 U	< 37 U	< 37 U	NA
SB-06-14	SB-06-14_(28-29)	6/4/2014	N	28-29	< 37 U	< 37 U	< 37 U	< 37 U	< 37 U	< 37 U	< 37 U	NA
SB-07-14	SB-07-14_(4-5)	6/4/2014	N	4-5	< 36 U	< 36 U	< 36 U	17 J	< 36 U	< 36 U	< 36 U	NA
SB-07-14	SB-07-14_(8-9)	6/4/2014	N	8-9	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	NA
SB-07-14	SB-07-14_(13-14)	6/4/2014	N	13-14	< 750 U	< 750 U	< 750 U	4200	< 750 U	< 750 U	170 J	NA
SB-07-14	SB-07-14_(18-19)	6/4/2014	N	18-19	< 770 U	< 770 U	< 770 U	11000	< 770 U	< 770 U	260 J	NA
SB-07-14	SB-07-14_(20-21)	6/4/2014	N	20-21	< 390 U	< 390 U	< 390 U	2000	< 390 U	< 390 U	< 390 U	NA
SB-07-14	SB-07-14_(29-30)	6/4/2014	N	29-30	< 37 U	< 37 U	< 37 U	< 37 U	< 37 U	< 37 U	< 37 U	NA
SB-11-14	SB-11-14_(4-5)	6/6/2014	N	4-5	< 39 U	< 39 U	< 39 U	< 39 U	< 39 U	< 39 U	< 39 U	NA
SB-11-14	SB-11-14_(8-9)	6/6/2014	N	8-9	< 370 U	< 370 U	< 370 U	2200	< 370 U	< 370 U	< 370 U	NA
SB-11-14	DUP-04_20140606	6/6/2014	FD	8-9	< 360 U	< 360 U	< 360 U	1900	< 360 U	< 360 U	< 360 U	NA
SB-11-14	SB-11-14_(11-12)	6/6/2014	N	11-12	< 190 U	< 190 U	< 190 U	960	< 190 U	< 190 U	< 190 U	NA
SB-11-14	SB-11-14_(17-18)	6/6/2014	N	17-18	< 360 U	< 360 U	< 360 U	2400	< 360 U	< 360 U	68 J	NA
SB-11-14	SB-11-14_(23-24)	6/6/2014	N	23-24	< 37 U	< 37 U	< 37 U	< 37 U	< 37 U	< 37 U	< 37 U	NA
SB-11-14	SB-11-14_(28-29)	6/6/2014	N	28-29	< 38 U	< 38 U	< 38 U	18 J	< 38 U	< 38 U	< 38 U	NA
SB-12-14	SB-12-14_(4-5)	6/6/2014	N	4-5	< 38 U	< 38 U	< 38 U	< 38 U	< 38 U	< 38 U	< 38 U	NA
SB-12-14	SB-12-14_(7-8)	6/6/2014	N	7-8	< 41 U	< 41 U	< 41 U	94	< 41 U	< 41 U	51	NA
SB-12-14	SB-12-14_(11-12)	6/6/2014	N	11-12	< 380 U	< 380 U	< 380 U	1900	< 380 U	< 380 U	150 J	NA
SB-12-14	SB-12-14_(16-17)	6/6/2014	N	16-17	< 1800 U	< 1800 U	< 1800 U	7400	< 1800 U	< 1800 U	< 1800 U	NA
SB-12-14	SB-12-14_(21-22)	6/6/2014	N	21-22	< 400 U	< 400 U	< 400 U	2600	< 400 U	< 400 U	56 J	NA
SB-12-14	SB-12-14_(27-28)	6/6/2014	N	27-28	< 37 U	< 37 U	< 37 U	< 37 U	< 37 U	< 37 U	< 37 U	NA
SB-34-14	SB-34-14_(4-6)	6/17/2014	N	4-6	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	NA
SB-34-14	SB-34-14_(6-7)	6/17/2014	N	6-7	< 39 U	< 39 U	< 39 U	< 39 U	< 39 U	< 39 U	< 39 U	NA
SB-70-14	SB-70-14_(5-6)082114	8/21/2014	N	5-6	< 39 U	< 39 U	< 39 U	< 39 U	< 39 U	< 39 U	< 39 U	NA
SB-70-14	SB-70-14_(11-12)082114	8/21/2014	N	11-12	< 200 U	< 200 U	< 200 U	250	< 200 U	< 200 U	84 J	NA
SB-70-14	SB-70-14_(15-16)082114	8/21/2014	N	15-16	< 43 U	< 43 U	< 43 U	< 43 U	< 43 U	< 43 U	< 43 U	NA
SB-70-14	SB-70-14_(21-22)082114	8/21/2014	N	21-22	< 230 U	< 230 U	< 230 U	1400	< 230 U	< 230 U	< 230 U	NA
SB-70-14	SB-70-14_(29-30)082114	8/21/2014	N	29-30	< 36 U	< 36 U	< 36 U	< 36 U	< 36 U	< 36 U	< 36 U	NA
SB-71-14	SB-71-14_(3-4)082114	8/21/2014	N	3-4	< 39 U	< 39 U	< 39 U	< 39 U	< 39 U	< 39 U	< 39 U	NA
SB-71-14	SB-71-14_(7-8)082114	8/21/2014	N	7-8	< 38 U	< 38 U	< 38 U	< 38 U	47	< 38 U	< 38 U	NA
SB-71-14	SB-71-14_(11-12)082114	8/21/2014	N	11-12	< 38 U	< 38						

Table 1.
Soil Analytical Results
RACER Trust Pontiac North Campus
Pontiac, Michigan

Location Code	Sample Code	Sample Date	Sample Type	Sample Depth (feet bgs)	PCBs							
					Aroclor-1016 (PCB-1016)	Aroclor-1221 (PCB-1221) ($\mu\text{g/kg}$)	Aroclor-1232 (PCB-1232) ($\mu\text{g/kg}$)	Aroclor-1242 (PCB-1242) ($\mu\text{g/kg}$)	Aroclor-1248 (PCB-1248) ($\mu\text{g/kg}$)	Aroclor-1254 (PCB-1254) ($\mu\text{g/kg}$)	Aroclor-1260 (PCB-1260) ($\mu\text{g/kg}$)	Aroclor-1268 (PCB-1268) ($\mu\text{g/kg}$)
AOI M2												
SB-72-14	SB-72-14_(3-4)082114	8/21/2014	N	3-4	< 190 U	< 190 U	190	< 190 U	42 J	NA		
SB-72-14	SB-72-14_(7-8)082114	8/21/2014	N	7-8	< 180 U	< 180 U	910	< 180 U	69 J	NA		
SB-72-14	SB-72-14_(11-12)082114	8/21/2014	N	11-12	< 720 U	< 720 U	6500	< 720 U	380 J	NA		
SB-72-14	SB-72-14_(19-20)082114	8/21/2014	N	19-20	< 190 U	< 190 U	1400	< 190 U	< 190 U	NA		
SB-72-14	SB-72-14_(23-24)082114	8/21/2014	N	23-24	< 42 U	< 42 U	< 42 U	< 42 U	< 42 U	NA		
SB-72-14	SB-72-14_(27-28)082114	8/21/2014	N	27-28	< 37 U	< 37 U	< 37 U	< 37 U	< 37 U	NA		
SB-82-15	SB-82-15_(3-4)	5/1/2015	N	3 - 4	<38	<38	<38	<38	<38	<38	NA	
SB-82-15	SB-82-15_(9-10)	5/1/2015	N	9 - 10	<37	<37	<37	<37	<37	<37	NA	
SB-82-15	SB-82-15_(13-15)	5/1/2015	N	13 - 15	<37	<37	<37	<37	<37	<37	NA	
SB-82-15	SB-82-15_(19-20)	5/1/2015	N	19 - 20	<37	<37	<37	<37	<37	<37	NA	
SB-82-15	SB-82-15_(23-24)	5/1/2015	N	23 - 24	<36	<36	<36	<36	<36	<36	NA	
SB-82-15	SB-82-15_(28-29)	5/1/2015	N	28 - 29	<37	<37	<37	<37	<37	<37	NA	
SB-82-15	SB-82-15_(34-35)	5/1/2015	N	34 - 35	<36	<36	<36	<36	<36	<36	NA	
SB-83-15	SB-83-15_(7-8)	5/1/2015	N	7 - 8	<39	<39	<39	<39	<39	<39	NA	
SB-83-15	SB-83-15_(15.5-16.5)	5/1/2015	N	15.5 - 16.5	<38	<38	<38	<38	<38	<38	NA	
SB-83-15	DUP-05_20150501	5/1/2015	FD	15.5 - 16.5	<38	<38	<38	<38	<38	<38	NA	
SB-83-15	SB-83-15_(23-24)	5/1/2015	N	23 - 24	<36	<36	<36	<36	<36	<36	NA	

Table 1.
Soil Analytical Results
RACER Trust Pontiac North Campus
Pontiac, Michigan

Notes:

bgs	below ground surface
NA	Not Analyzed
N	Parent Sample
FD	Duplicate Sample
H	Sample was prepped or analyzed beyond the specified holding time.
J	Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.
LNAPL	light non-aqueous phase liquid
P	The % Relative Percent Difference between the primary and confirmation column/detector is >40%; the lower value has been reported.
PCB	Polychlorinated biphenyl
U	Indicates the analyte was analyzed for but not detected.
shade	Result exceeds 100 parts per million

All result listed in micrograms per kilogram ($\mu\text{g}/\text{kg}$).

Table 2.
Fluid Level Gauging Results in Wells Containing LNAPL
RACER Trust Pontiac North Campus
Pontiac, Michigan

DRAFT

Well ID:	Screened Interval:	Reference Elevation (TOC):	Ground Surface Elevation:	Well Depth (ft. below GSE):	Date Collected:	Total Well Depth (ft. below TOC):	Depth to Water (ft. below TOC):	Depth to LNAPL (ft. below TOC):	LNAPL thickness(ft).	Groundwater Elevation (msl):	LNAPL Surface Elevation (msl)	Corrected Groundwater Elevation (msl):	Comments
AOI M-2													
SB-07A-14 (deep)	15-25	971.12	967.91	25.00	6/17/2014 6/30/2014 7/28/2014 9/10/2014 10/24/2014 3/31/2015 6/24/2015	28.49 28.47 NM NM NM NM NM	18.68 18.76 19.31 18.68 19.07 19.45 18.58	-- -- 18.76 17.41 18.31 19.41 17.98	-- -- 0.55 1.27 0.76 0.04 0.60	952.44 952.36 951.81 952.44 952.05 951.67 952.54	-- -- 952.36 953.71 952.81 951.71 953.14	-- -- 952.30 953.57 952.73 951.71 953.08	LNAPL sample collected 8/6/14
SB-07B-14 (shallow)	5-10	971.12	967.91	10.00	6/17/2014 6/30/2014 7/28/2014 9/10/2014 10/24/2014 10/30/2014 12/2/2014 3/31/2015 6/24/2015	13.00 12.99 12.94 NM NM NM NM NM 12.93	12.91 DRY DRY 8.99 12.30 11.86 11.19 10.45 10.88	-- -- -- -- 12.10 -- 10.76 -- --	958.21 -- -- 962.13 958.82 959.26 959.93 960.36 960.24	-- -- -- -- 959.02 -- -- -- --	959.00 -- -- 960.31 -- --		
MWM2-29	15-25	967.60	967.95	25.00	6/30/2014 7/28/2014 9/11/2014 10/24/2014 3/31/2015 6/24/2015	NM NM NM NM NM NM	22.90 23.21 22.90 23.13 19.00 --	21.93 22.26 22.84 21.41 17.52 --	0.97 0.95 0.06 1.72 1.48 --	944.70 944.39 944.70 944.47 948.60 --	945.67 945.34 944.76 946.19 950.08 --	945.56 945.24 944.75 946.00 949.92 --	LNAPL sample collected 7/1/14
SB-06A-14 (deep)	15-25	970.33	967.96	25.00	6/17/2014 6/30/2014 7/30/2014 8/6/2014 9/10/2014 10/24/2014 3/31/2015 6/24/2015	27.02 27.15 NM NM NM NM NM NM	9.00 12.30 11.86 12.11 12.46 13.50 10.35 9.73	-- -- 11.80 12.10 12.36 12.75 10.22 9.55	0.06 0.01 0.06 0.75 0.13 0.18	961.33 958.03 958.47 958.22 957.87 956.83 959.98 960.60	-- -- 958.53 958.23 -- 957.58 956.83 960.11 960.78	-- -- 958.52 958.23 -- 957.50 957.58 960.10 960.76	LNAPL sampled 6/25/15
SB-11-14	15-25	970.97	967.96	25.00	6/17/2014 6/30/2014 7/30/2014 9/10/2014 10/24/2014 3/31/2015 6/24/2015	28.06 27.85 27.70 NM 27.80 NM 27.83	9.84 10.39 11.50 12.35 12.49 8.70 8.68	-- -- -- -- -- 8.69 --	-- -- -- -- -- 	961.13 960.58 959.47 958.62 958.48 962.27 962.29	-- -- -- -- -- 962.28 --	-- -- -- -- -- 962.28 --	

Table 2.
Fluid Level Gauging Results in Wells Containing LNAPL
RACER Trust Pontiac North Campus
Pontiac, Michigan

DRAFT

Well ID:	Screened Interval:	Reference Elevation (TOC):	Ground Surface Elevation:	Well Depth (ft. below GSE):	Date Collected:	Total Well Depth (ft. below TOC):	Depth to Water (ft. below TOC):	Depth to LNAPL (ft. below TOC):	LNAPL thickness(ft).	Groundwater Elevation (msl):	LNAPL Surface Elevation (msl)	Corrected Groundwater Elevation (msl):	Comments
AOI W-1 - LNAPL AREA 1/7													
SB-02-14	13-23	970.98	968.92	23.00	6/17/2014 6/30/2014 7/28/2014 9/10/2014 10/23/2014 3/31/2015 6/22/2015	25.33 NM NM NM NM NM NM	18.00 18.27 18.63 19.50 18.95 19.01 18.83	-- 18.26 18.50 18.60 18.39 18.85 18.71	0.01 0.13 0.90 0.56 0.16 0.12	952.98 952.71 952.35 951.48 952.03 951.97 952.15	-- 952.72 952.48 952.38 952.59 952.13 952.10 952.27	-- 952.71 952.46 952.24 952.50 952.10 952.25	LNAPL sampled on 8/6/14
SB-03-14	13-23	970.84	969.05	23.00	6/17/2014 6/30/2014 7/28/2014 9/10/2014 10/23/2014 3/31/2015 6/22/2015	19.92 NM NM NM NM NM NM	18.41 21.75 20.68 18.69 22.88 22.55 22.28	1.51 2.06 4.33 0.15 1.73 0.70 0.72	950.92 949.09 945.83 952.15 947.96 948.29 948.56	952.43 951.15 950.16 949.51 949.69 948.99 949.28	952.20 950.84 950.16 949.51 949.43 948.89 949.17	LNAPL sampled from well	
SB-04-14	12-22	971.86	969.09	22.00	6/17/2014 6/30/2014 7/28/2014 9/10/2014 10/23/2014 3/31/2015 6/22/2015	24.81 NM NM NM NM NM NM	24.81 21.75 24.65 24.30 22.60 22.74 22.80	CND 19.69 21.96 22.30 22.18 22.70 22.78	-- 2.06 2.69 2.00 0.42 0.04 0.02	947.05 950.11 947.21 947.56 949.26 949.12 949.06	-- 952.17 949.90 949.56 949.68 949.16 949.08	-- 951.86 949.50 949.26 949.62 949.15 949.08	LNAPL sampled from well
SB-14-14	12-22	973.55	970.63	22.00	6/17/2014 6/30/2014 7/28/2014 9/10/2014 10/23/2014 10/30/2014 12/2/2014 3/31/2015 6/23/2015	25.39 25.32 25.12 NM NM NM NM DRY 25.3	25.02 25.05 25.05 25.06 24.99 -- 25.07 -- 25.04	-- -- -- -- 0.11 -- -- -- 0.00	948.53 948.50 948.50 948.49 948.45 948.49 948.48 -- 948.51	-- -- -- -- 948.56 -- -- -- 948.51	-- -- -- -- 948.54 -- -- -- 948.51	Suspect LNAPL detection; potential field decon issue	
SB-16-14	17-27	973.25	970.34	27.00	6/17/2014 6/30/2014 7/28/2014 9/10/2014 10/23/2014 10/30/2014 12/4/2014 3/31/2015 6/22/2015	30.42 30.32 30.1 NM NM NM NM NM 30.33	24.56 24.92 25.51 25.84 25.75 25.75 25.84 26.31 25.53	-- -- -- -- 0.02 0.03 0.02 0.05 0.00	948.69 948.33 947.74 947.41 947.50 947.50 947.41 946.94 947.72	-- -- -- -- 947.52 947.53 947.43 946.99 947.72	-- -- -- -- 947.52 947.53 947.43 946.98 947.72	residual LNAPL detected	

Table 2.
Fluid Level Gauging Results in Wells Containing LNAPL
RACER Trust Pontiac North Campus
Pontiac, Michigan

DRAFT

Well ID:	Screened Interval:	Reference Elevation (TOC):	Ground Surface Elevation:	Well Depth (ft. below GSE):	Date Collected:	Total Well Depth (ft. below TOC):	Depth to Water (ft. below TOC):	Depth to LNAPL (ft. below TOC):	LNAPL thickness(ft).	Groundwater Elevation (msl):	LNAPL Surface Elevation (msl)	Corrected Groundwater Elevation (msl):	Comments
AOI W-1 - LNAPL AREA 1/7													
SB-30-14	15-25	972.00	970.34	25.00	6/30/2014 7/28/2014 9/10/2014 10/23/2014 10/30/2014 12/2/2014 3/31/2015 6/22/2015	27.35 27.15 NM 25.27 24.90 24.89 25.25 24.99	24.41 24.75 25.08 24.89 24.87 24.85 25.15 24.82	-- -- -- 0.38 0.03 0.04 0.10 0.17	-- -- -- 946.92 946.73 947.10 947.11 947.13 947.15 946.75 947.01	947.59 947.25 946.92 947.11 947.10 947.13 946.85 947.18	-- -- -- 947.05 947.13 947.14 946.84 947.15	-- -- -- LNAPL sampled 6/25/15	
SB-32-14	19-29	972.74	971.62	29.00	6/30/2014 7/28/2014 9/10/2014 10/23/2014 10/30/2014 12/2/2014 3/31/2015 6/23/2015	30.35 30.20 NM 29.42 29.34 29.65 29.44 29.22	28.18 28.55 29.28 29.42 29.34 29.65 29.44 29.21	-- -- -- 29.41 -- -- -- 0.01	-- 944.19 943.46 943.32 943.40 943.09 943.30 943.52	944.56 944.19 943.46 943.32 943.33 943.33 943.53 943.53	-- -- -- 943.33 943.33 943.53 943.53	Suspect LNAPL detection; potential field decon issue	
SB-38-14	12-22	971.60	969.00	22.00	6/30/2014 7/28/2014 9/10/2014 10/23/2014 10/30/2014 3/31/2015 6/22/2015	25.21 25.35 NM 21.55 21.86 21.79 22.15 22.21	21.25 21.70 -- -- 21.68 21.76 21.95 21.94	-- -- -- -- 0.18 0.03 0.20 0.27	950.35 949.90 950.05 949.74 949.92 949.81 949.45 949.39	-- -- -- 949.89 949.84 949.84 949.66	-- -- -- 949.89 949.84 949.65 949.62	LNAPL sampled from well	
SB-39-14	12-22	972.42	969.17	22.00	6/30/2014 7/28/2014 9/10/2014 10/23/2014 3/31/2015 6/22/2015	25.33 NM NM NM NM NM	19.26 19.65 19.71 19.65 19.99 19.90	-- 19.46 -- 19.60 19.97 19.89	0.19 0.19 -- 0.05 0.02 0.01	952.77 952.77 -- 952.77 952.43 952.52	952.96 952.82 -- 952.82 952.45 952.53	952.93 952.81 -- 952.81 952.44 952.52	
SB-40-14	22-32	976.28	973.30	32.00	6/30/2014 7/28/2014 9/10/2014 10/23/2014 10/30/2014 12/2/2014 3/31/2015 6/23/2015	34.87 33.05 NM 33.06 33.10 33.05 33.10 33.02	32.78 32.92 -- -- 33.04 -- 33.09 32.85	-- -- -- -- 0.06 -- 0.01 0.01	943.50 943.36 943.22 943.18 943.23 943.18 943.19 943.26	-- -- -- 943.24 -- 943.42 943.43 943.27	-- -- -- 943.23 -- 943.43 943.43 943.27		
SB-41-14	15-25	973.11	970.31	30.00	6/30/2014 7/28/2014 9/10/2014 10/23/2014 3/31/2015 6/22/2015	28.05 28.08 NM 28.05 NM NM	25.73 26.32 -- 26.51 26.20 25.61	-- -- -- -- 0.29 0.14	947.38 946.79 946.60 946.60 946.62 947.36	-- -- -- -- 946.91 947.50	-- -- -- -- 946.87 947.48		

Table 2.
Fluid Level Gauging Results in Wells Containing LNAPL
RACER Trust Pontiac North Campus
Pontiac, Michigan

DRAFT

Well ID:	Screened Interval:	Reference Elevation (TOC):	Ground Surface Elevation:	Well Depth (ft. below GSE):	Date Collected:	Total Well Depth (ft. below TOC):	Depth to Water (ft. below TOC):	Depth to LNAPL (ft. below TOC):	LNAPL thickness(ft).	Groundwater Elevation (msl):	LNAPL Surface Elevation (msl)	Corrected Groundwater Elevation (msl):	Comments
AOI W-1 - LNAPL AREA 1/7													
SB-42-14	28-38	975.51	974.15	38.00	6/30/2014 7/28/2014 9/10/2014 10/23/2014 3/31/2015 6/24/2015	40.34 NM NM NM NM NM	33.05 34.25 32.44 32.18 31.59 31.74	-- 32.30 32.10 31.95 31.52 31.71	— 1.95 0.34 0.23 0.07 0.03	942.46 941.26 943.07 943.33 943.92 943.77	-- 943.21 943.41 943.56 943.99 943.80	-- 942.92 943.36 943.53 943.98 943.80	LNAPL sampled 8/6/14
SB-43-14	20-30	969.90	969.19	30.00	6/30/2014 7/28/2014 9/10/2014 10/23/2014 3/31/2015 6/22/2015	NM NM NM NM NM NM	21.12 22.01 23.60 22.35 22.95 21.48	21.10 21.66 21.46 21.22 21.30 21.16	0.02 0.35 2.14 1.13 1.65 0.32	948.78 947.89 946.30 947.55 946.95 948.42	948.80 948.24 948.44 948.68 948.60 948.74	948.80 948.19 948.12 948.51 948.35 948.69	LNAPL sampled 8/6/14
SB-45-14	16-26	970.75	968.77	26.00	6/30/2014 7/28/2014 9/10/2014 10/23/2014 10/30/2014 12/2/2014 3/31/2015 6/22/2015	27.96 28.01 NM NM NM NM NM NM	22.31 22.71 22.65 22.10 22.02 22.05 22.16 22.05	-- -- -- 22.09 22.01 22.02 22.10 21.95	— — — 0.01 0.01 0.03 0.06 0.10	948.44 948.04 948.10 948.65 948.73 948.70 948.59 948.70	-- -- -- 948.66 948.74 948.73 948.65 948.80	-- -- -- 948.66 948.74 948.73 948.64 948.79	
SB-46-14	15-25	972.89	970.03	25.00	6/30/2014 7/28/2014 9/10/2014 10/23/2014 3/31/2015 6/22/2015	27.75 NM NM NM NM NM	19.30 20.09 22.02 21.96 23.95 25.06	-- 19.60 20.00 19.87 22.00 20.19	— 0.49 2.02 2.09 1.95 4.87	953.59 952.80 950.87 950.93 948.94 947.83	-- 953.29 952.89 953.02 950.89 952.70	-- 953.22 952.59 952.71 950.60 951.97	LNAPL sampled 8/6/14
SB-49-14	16-26	972.12	970.08	26.00	9/10/2014 10/23/2014 10/30/2014 12/2/2014 3/31/2015 6/22/2015	NM NM NM NM NM NM	25.75 25.70 25.81 25.65 25.68 25.56	-- 25.67 25.81 25.63 25.66 25.55	— 0.03 0.00 0.02 0.02 0.01	946.37 946.42 946.31 946.47 946.44 946.56	-- 946.45 946.31 946.49 946.46 946.57	-- 946.45 946.31 946.49 946.46 946.57	LNAPL present but not measurable
SB-50-14	20-30	972.37	970.72	30.00	9/10/2014 10/23/2014 10/30/2014 3/31/2015 6/22/2015	NM NM NM NM NM	25.59 26.92 26.14 DRY DRY	-- 25.89 26.04 -- --	— 1.03 0.1 — —	946.78 945.45 946.23 -- --	-- 946.48 946.33 -- --	-- 946.33 946.32 -- --	LNAPL sampled from well

Table 2.
Fluid Level Gauging Results in Wells Containing LNAPL
RACER Trust Pontiac North Campus
Pontiac, Michigan

DRAFT

Well ID:	Screened Interval:	Reference Elevation (TOC):	Ground Surface Elevation:	Well Depth (ft. below GSE):	Date Collected:	Total Well Depth (ft. below TOC):	Depth to Water (ft. below TOC):	Depth to LNAPL (ft. below TOC):	LNAPL thickness(ft).	Groundwater Elevation (msl):	LNAPL Surface Elevation (msl)	Corrected Groundwater Elevation (msl):	Comments
AOI W-1 - LNAPL AREA 1/7													
SB-51-14	20-30	974.44	971.69	30.00	9/10/2014 10/23/2014 3/31/2015 6/23/2015	NM 33.42 NM 32.85	28.76 31.14 28.72 28.74	-- -- -- 28.74	-- -- -- 0.00	945.68 943.30 945.72 945.70	-- -- -- 945.70	-- -- -- 945.70	residual LNAPL detected
SB-53-14	18-28	973.76	971.89	28.00	9/10/2014 10/23/2014 3/31/2015 6/22/2015	NM NM NM NM	28.12 27.94 27.92 28.01	27.28 27.34 27.35 27.28	0.84 0.6 0.57 0.73	945.64 945.82 945.84 945.75	946.48 946.42 946.41 946.48	946.36 946.33 946.33 946.37	LNAPL sampled 9/15/14
SB-54-14	18-28	972.63	970.61	28.00	9/10/2014 10/23/2014 3/31/2015 6/22/2015	NM NM NM 29.64	25.7 25.59 25.47 25.52	25.55 25.54 25.45 25.52	0.15 0.05 0.02 0	948.06 948.17 948.29 948.24	948.21 948.22 948.31 948.24	948.19 948.21 948.31 948.24	LNAPL sampled 9/15/14
SB-55-14	16-26	971.75	969.64	26.00	9/10/2014 10/23/2014 10/30/2014 3/31/2015 6/22/2015	NM NM NM NM NM	24.88 25.2 25.08 25.2 25.14	24.98 24.98 25.05 25.12 24.95	0.22 0.03 0.08 0.19	946.87 946.55 946.67 946.55 946.61	-- 948.78 948.71 948.64 948.81	-- 948.75 948.71 948.63 948.78	LNAPL sampled 10/31/14
SB-56-14	16-26	971.71	969.58	26.00	9/10/2014 10/23/2014 3/31/2015 6/22/2015	NM NM NM NM	25.12 25.72 24.97 25.14	23.15 23.88 23.58 23.45	1.97 1.84 1.39 1.69	946.59 945.99 946.74 946.57	948.56 947.83 948.13 948.26	948.26 947.55 947.92 948.00	LNAPL sampled 9/16/14
SB-57-14	15-25	970.82	969.05	25.00	9/10/2014 10/23/2014 3/31/2015 6/22/2015	NM NM NM NM	21.89 18.69 22.01 22.41	18.70 18.12 18.50 18.52	3.19 0.57 3.51 3.89	948.93 952.13 948.81 948.41	952.12 952.70 952.32 952.30	951.64 952.61 951.79 951.71	LNAPL sampled 9/16/14
SB-58-14	17-27	971.53	968.65	27.00	9/10/2014 10/23/2014 3/31/2015 6/22/2015	NM NM NM NM	23.86 28.66 22.71 28.08	21.66 22.56 22.70 22.79	2.20 6.10 0.01 5.29	947.67 942.87 948.82 943.45	949.87 948.97 948.83 948.74	949.54 948.05 948.83 947.94	LNAPL sampled 9/16/14
SB-60-14	20-30	974.24	971.26	30.00	9/10/2014 10/23/2014 3/31/2015 6/22/2015	NM 33.00 NM 32.99	27.84 27.90 27.86 27.83	-- -- 27.85 --	-- -- 0.01 --	946.40 946.34 946.38 946.41	-- -- 946.39 --	-- -- 946.38 --	
SB-61-14	20-30	973.42	970.42	30.00	9/10/2014 10/23/2014 3/31/2015 6/22/2015	NM NM NM NM	27.15 27.17 27.10 26.99	26.95 27.00 26.97 26.86	0.2 0.17 0.13 0.13	946.27 946.25 946.32 946.43	946.47 946.42 946.45 946.56	946.44 946.39 946.43 946.54	LNAPL sampled 9/15/14

Table 2.
Fluid Level Gauging Results in Wells Containing LNAPL
RACER Trust Pontiac North Campus
Pontiac, Michigan

DRAFT

Well ID:	Screened Interval:	Reference Elevation (TOC):	Ground Surface Elevation:	Well Depth (ft. below GSE):	Date Collected:	Total Well Depth (ft. below TOC):	Depth to Water (ft. below TOC):	Depth to LNAPL (ft. below TOC):	LNAPL thickness(ft.)	Groundwater Elevation (msl):	LNAPL Surface Elevation (msl)	Corrected Groundwater Elevation (msl):	Comments
AOI W-10 LNAPL AREA 2A													
MWW10-01	10-20	963.75	964.00	20.00	6/30/2014 7/28/2014 10/24/2014 3/31/2015 6/24/2015	NM NM NM NM NM	18.23 18.31 18.29 22.01 18.25	9.95 10.11 9.68 18.5 9.18	8.28 8.2 8.61 3.51 9.07	945.52 945.44 945.46 941.74 945.50	953.80 953.64 954.07 945.25 954.57	952.56 952.41 952.78 944.72 953.21	LNAPL sampled 8/6/14
SB-08-14	10-20	965.97	963.74	20.00	6/17/2014 6/30/2014 7/28/2014 9/11/2014 10/24/2014 3/31/2015 6/24/2015	NM NM NM NM NM NM NM	22.30 24.02 21.51 20.82 21.50 21.30 21.37	11.06 13.41 12.30 11.75 11.94 12.55 11.42	11.24 10.61 9.21 9.07 9.56 8.75 9.95	943.67 941.95 944.46 945.15 944.47 944.67 944.60	954.91 952.56 953.67 954.22 954.03 953.42 954.55	953.22 950.96 952.28 952.85 952.59 952.10 953.05	LNAPL sampled from well
SB-09-14	11-21	967.87	963.74	21.00	6/17/2014 6/30/2014 7/28/2014 9/11/2014 10/24/2014 3/31/2015 6/24/2015	NM NM NM NM NM NM NM	24.16 22.05 22.95 22.88 23.65 23.40 23.34	13.09 11.99 14.25 13.74 13.82 14.45 13.31	11.07 10.06 8.7 9.14 9.83 8.95 10.03	943.71 945.82 944.92 944.99 944.22 944.47 944.53	954.78 955.88 953.62 954.13 954.05 953.42 954.56	953.12 954.37 952.32 952.76 952.58 952.08 953.06	LNAPL sampled from well
SB-10-14	10-20	967.08	963.65	20.00	6/17/2014 6/30/2014 7/28/2014 9/10/2014 10/24/2014 3/31/2015 6/24/2015	22.94 NM NM NM NM NM NM	14.08 14.11 14.31 13.71 13.91 14.56 13.68	13.75 13.78 14.23 -- 13.90 14.44 13.38	0.33 0.33 0.08 -- 0.01 0.12 0.30	953.00 952.97 952.77 953.37 953.17 952.52 953.40	953.33 953.30 952.85 952.84 953.18 952.64 953.70	953.28 953.25 952.84 952.84 953.18 952.63 953.66	LNAPL sampled from well
SB-26-14	11-21	966.54	964.08	21.00	6/30/2014 7/28/2014 9/10/2014 10/24/2014 3/31/2015 6/24/2015	NM NM NM NM NM NM	13.55 13.98 NM 19.90 14.45 13.28	13.52 13.69 -- 13.00 13.92 12.87	0.03 0.29 -- 6.9 0.53 0.41	952.99 952.56 -- 946.64 952.09 953.26	953.02 952.85 -- 953.54 952.62 953.67	953.01 952.80 -- 952.50 952.54 953.61	LNAPL sampled 8/6/14
SB-68-14	20-30	966.54	964.04	30.00	9/10/2014 10/23/2014 10/30/2014 3/31/2015 6/24/2015	NM NM NM NM NM	16.56 16.70 16.54 18.51 18.89	-- 16.26 16.30 16.50 16.07	-- 0.44 0.24 2.01 2.82	949.98 949.84 950.00 948.03 947.65	-- 950.28 950.24 950.04 950.47	-- 950.21 950.20 949.74 950.05	LNAPL sampled 10/31/14

Table 2.
Fluid Level Gauging Results in Wells Containing LNAPL
RACER Trust Pontiac North Campus
Pontiac, Michigan

DRAFT

Well ID:	Screened Interval:	Reference Elevation (TOC):	Ground Surface Elevation:	Well Depth (ft. below GSE):	Date Collected:	Total Well Depth (ft. below TOC):	Depth to Water (ft. below TOC):	Depth to LNAPL (ft. below TOC):	LNAPL thickness(ft).	Groundwater Elevation (msl):	LNAPL Surface Elevation (msl)	Corrected Groundwater Elevation (msl):	Comments
AOI W-1 and W-10 - LNAPL AREA 2B													
SB-17-14	17-27	973.10	970.24	27.00	6/17/2014 6/30/2014 7/28/2014 9/10/2014 10/24/2014 3/31/2015 6/23/2015	30.31 30.32 30.31 NM 30.30 NM 30.29	25.18 25.29 25.55 25.94 25.69 26.11 25.79	-- -- -- -- -- 0.01 0.00	-- -- -- -- -- 946.99 947.31	947.92 947.81 947.55 947.16 947.41 947.00 947.31	-- -- -- -- -- 947.00 947.31	-- -- -- -- -- 947.00 947.31	residual LNAPL detected
SB-18-14	17-27	973.11	970.05	27.00	6/17/2014 6/30/2014 7/28/2014 9/10/2014 10/24/2014 3/31/2015 6/23/2015	30.31 NM NM NM NM NM NM	26.08 26.07 26.60 26.37 26.60 26.66 26.45	-- 26.04 26.30 26.12 25.88 26.10 25.82	-- 0.03 0.30 0.25 0.72 0.56 0.63	947.03 947.04 946.51 946.74 946.51 946.45 946.66	-- 947.07 946.81 946.99 947.23 947.01 947.29	-- 947.06 946.76 946.95 947.12 946.92 947.19	LNAPL sampled 8/6/14
SB-19-14	17-27	973.48	970.35	27.00	6/17/2014 6/30/2014 7/28/2014 9/10/2014 10/24/2014 10/30/2014 12/2/2014 3/31/2015 6/23/2015	30.38 25.61 30.40 NM 25.75 26.76 25.73 NM 30.35	25.56 25.61 25.92 25.90 25.74 -- -- -- 25.77	-- -- -- trace 0.01 -- -- -- --	947.92 947.87 947.56 947.58 947.73 946.72 947.75 947.48 947.71	-- -- -- -- 947.74 -- -- -- --	-- -- -- -- 947.74 -- -- -- --		
TW-01-01	12.4-27.4	972.95	970.45	27.40	6/30/2014 7/28/2014 9/10/2014 10/24/2014 3/31/2015 6/23/2015	NM NM NM 20.20 NM NM	30.02 30.01 29.40 26.25 29.87 26.30	26.32 26.50 26.25 3.15 3.57 2.97	3.70 3.51 3.15 -- -- 2.97	942.93 942.94 943.55 946.70 943.08 946.85	946.63 946.45 946.70 946.23 946.65 946.88	946.08 945.92 946.23 946.11 946.11 946.43	LNAPL sampled 7/1/14
SB-22-14	8-18	966.85	964.70	18.00	6/17/2014 6/30/2014 7/28/2014 9/10/2014 10/24/2014 10/30/2014 12/2/2014 3/31/2015 6/23/2015	NM 20.33 20.32 NM NM NM NM 20.30	15.08 16.31 16.73 17.21 16.71 16.68 16.72 17.24 16.90	-- -- -- -- 16.70 -- -- -- --	-- -- -- -- 0.01 -- -- -- --	951.77 950.54 950.12 949.64 950.14 950.17 950.13 949.61 949.95	-- -- -- -- 950.15 -- -- -- --	-- -- -- -- 950.15 -- -- -- --	Suspect LNAPL detection; potential field decon issue

Table 2.
Fluid Level Gauging Results in Wells Containing LNAPL
RACER Trust Pontiac North Campus
Pontiac, Michigan

DRAFT

Well ID:	Screened Interval:	Reference Elevation (TOC):	Ground Surface Elevation:	Well Depth (ft. below GSE):	Date Collected:	Total Well Depth (ft. below TOC):	Depth to Water (ft. below TOC):	Depth to LNAPL (ft. below TOC):	LNAPL thickness(ft.)	Groundwater Elevation (msl):	LNAPL Surface Elevation (msl)	Corrected Groundwater Elevation (msl):	Comments
AOI W-1 and W-10 - LNAPL AREA 2B													
SB-23-14	9-19	966.24	965.09	19.00	6/17/2014 6/30/2014 7/28/2014 9/10/2014 10/24/2014 10/30/2014 12/2/2014 3/31/2015 6/23/2015	NM 20.03 20.18 NM NM NM NM NM NM	15.19 15.68 16.16 17.27 16.26 16.16 16.34 17.35 16.89	-- -- -- -- 16.24 -- 16.33 17.34 16.86	0.02 -- 0.01 0.01 0.03	951.05 950.56 950.08 948.97 949.98 950.08 949.90 948.89 949.35	-- -- -- -- 950.00 -- 949.91 948.90 949.38	-- -- -- -- 950.00 -- 949.91 948.90 949.38	
SB-24-14	9-19	965.66	964.18	19.00	6/17/2014 6/30/2014 7/28/2014 9/10/2014 10/24/2014 10/30/2014 3/31/2015 6/23/2015	NM 20.21 20.16 NM NM NM NM NM	11.95 13.96 15.26 18.72 17.90 15.29 15.39 13.36	-- -- -- -- 14.59 14.83 15.04 12.92	3.31 0.46 0.35 0.44	953.71 951.70 950.40 946.94 947.76 950.37 950.27 952.30	-- -- -- -- 951.07 950.83 950.62 952.74	-- -- -- -- 950.57 950.76 950.57 952.67	LNAPL sampled from well
SB-25-14	9-19	966.21	964.58	19.00	6/17/2014 6/30/2014 7/28/2014 9/10/2014 10/24/2014 10/30/2014 3/31/2015 6/23/2015	20.36 20.3 20.31 NM NM NM NM NM	15.21 15.64 16.13 17.95 16.73 16.36 17.31 17.14	-- -- -- 16.62 16.08 16.05 16.75 16.27	1.33 0.65 0.31 0.56 0.87	951.00 950.57 950.08 948.26 949.48 949.85 948.90 949.07	-- -- -- 949.59 950.13 950.16 949.46 949.94	-- -- -- 949.39 950.03 950.11 949.37 949.80	LNAPL sampled from well
SB-64-14	20-30	973.52	970.22	30.00	9/10/2014 10/23/2014 10/30/2014 3/31/2015 6/23/2015	NM NM NM NM NM	26.98 27.45 27.09 26.89 26.71	-- 26.95 27.03 26.75 26.55	0.5 0.06 0.14 0.16	946.54 946.07 946.43 946.63 946.81	-- 946.57 946.49 946.77 946.97	-- 946.50 946.48 946.75 946.95	LNAPL sampled from well

Notes:

All top of casing and ground surface elevations are referenced to feet above mean sea level datum.

Corrected groundwater elevation calculated by the following formula: $\text{LNAPL surface elevation} - ((1-\text{LNAPL density}) * \text{LNAPL thickness})$

-- Not detected/applicable

AOI Area of Interest

CND Could not determine

GSE Ground Surface Elevation

LNAPL Light non-aqueous phase liquid

msl mean sea level

NA Not applicable

NM Not measured

TOC Top of Casing

BOLD Previously existing monitoring well

Table 3.
LNAPL Analytical Results
RACER Trust Pontiac North Campus
Pontiac, Michigan

Area of Interest Location Code Sample Code Sample Date	Units	AOI W-10 - LNAPL Area 2A							
		MWW10-01	MWW10-07	MWW10-08	SB-08-14	SB-09-14	SB-10-14	SB-26-14	SB-68-14
		MWW10-01 (080614)	MWW10-07 (06252015)	MWW10-08 (06252015)	SB-08-14-LNAPL(06.17.14)	SB-09-14-LNAPL(06.17.14)	SB-10-14-LNAPL(06.17.14)	SB-26-14 (080614)	SB-68-14_LNAPL
		8/6/2014	6/25/2015	6/25/2015	6/17/2014	6/17/2014	6/17/2014	8/6/2014	10/31/2014
PCBs									
Aroclor-1016 (PCB-1016)	µg/kg	< 20000 U	<4200 F1	<4500	< 49000 U	< 49000 U	< 48000 U	< 9900 U	< 20000 U
Aroclor-1221 (PCB-1221)	µg/kg	< 20000 U	<4200	<4500	< 49000 U	< 49000 U	< 48000 U	< 9900 U	< 20000 U
Aroclor-1232 (PCB-1232)	µg/kg	< 20000 U	<4200	<4500	< 49000 U	< 49000 U	< 48000 U	< 9900 U	< 20000 U
Aroclor-1242 (PCB-1242)	µg/kg	< 20000 U	<4200	<4500	< 49000 U	< 49000 U	< 48000 U	< 9900 U	< 20000 U
Aroclor-1248 (PCB-1248)	µg/kg	130000	72000	100000	130000	110000	130000	46000	150000
Aroclor-1254 (PCB-1254)	µg/kg	< 20000 U	<4200	<4500	< 49000 U	< 49000 U	< 48000 U	< 9900 U	< 20000 U
Aroclor-1260 (PCB-1260)	µg/kg	6100 Jp	<4200	<4500	6800 J	7100 J	7300 J	4600 J	9400 J

Notes:

- p The % Relative Percent Difference between the primary and confirmation column/detector is >40%; the lower value has been reported.
- J Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.
- U Indicates the analyte was analyzed for but not detected.
- AOI Area of Interest
- LNAPL Light non-aqueous phase liquid
- PCB Polychlorinated biphenyl
- F1 MS and/or MSD Recovery is outside acceptable limits
- shade Result exceeds 100,000 µg/kg

All result listed in micrograms per kilogram (µg/kg).

Table 3.
LNAPL Analytical Results
RACER Trust Pontiac North Campus
Pontiac, Michigan

Area of Interest Location Code Sample Code Sample Date	AOI W-10 and W-1 - LNAPL Area 2B					AOI W-1 - LNAPL Area 1/7					
	TW-01-01	SB-18-14	SB-24-14	SB-25-14	SB-64-14	SB-02-14	SB-03-14	SB-04-14	SB-38-14	SB-42-14	
	TW-01-01 (07012014)	SB-18-14 (080614)	SB-24-14_LNAPL	SB-25-14_LNAPL	SB-64-14_LNAPL	SB-02-14 (080614)	SB-03-14-LNAPL(06.17.14)	SB-04-14-LNAPL(06.17.14)	SB-38-14_LNAPL	SB-42-14 (080614)	
	7/1/2014	8/6/2014	10/30/2014	10/30/2014	10/30/2014	8/6/2014	6/17/2014	6/17/2014	10/30/2014	8/6/2014	
PCBs											
Aroclor-1016 (PCB-1016) µg/kg	< 51000 U	< 47000 U	< 20000 U	< 20000 U	< 9800 U	< 48000 U	< 1000000 U	< 97000 U	< 19000 U	< 970 U	
Aroclor-1221 (PCB-1221) µg/kg	< 51000 U	< 47000 U	< 20000 U	< 20000 U	< 9800 U	< 48000 U	< 1000000 U	< 97000 U	< 19000 U	< 970 U	
Aroclor-1232 (PCB-1232) µg/kg	< 51000 U	< 47000 U	< 20000 U	< 20000 U	< 9800 U	< 48000 U	< 1000000 U	< 97000 U	< 19000 U	< 970 U	
Aroclor-1242 (PCB-1242) µg/kg	< 51000 U	< 47000 U	< 20000 U	< 20000 U	< 9800 U	170000	< 1000000 U	< 97000 U	< 19000 U	< 970 U	
Aroclor-1248 (PCB-1248) µg/kg	150000	220000	130000	180000	66000	< 48000 U	3600000	560000	220000	< 970 U	
Aroclor-1254 (PCB-1254) µg/kg	< 51000 U	< 47000 U	< 20000 U	< 20000 U	< 9800 U	< 48000 U	< 1000000 U	< 97000 U	< 19000 U	< 970 U	
Aroclor-1260 (PCB-1260) µg/kg	< 51000 U		9500 J	7400 J	8500 J	4000 J	7700 J	< 1000000 U	20000 J	11000 J	< 970 U

Notes:

- p The % Relative Percent Difference between the primary and confirmation column/detector is >40%; the lower value has been reported.
- J Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.
- U Indicates the analyte was analyzed for but not detected.
- AOI Area of Interest
- LNAPL Light non-aqueous phase liquid
- PCB Polychlorinated biphenyl
- F1 MS and/or MSD Recovery is outside acceptable limits
- shade Result exceeds 100,000 µg/kg

All result listed in micrograms per kilogram (µg/kg).

Table 3.
LNAPL Analytical Results
RACER Trust Pontiac North Campus
Pontiac, Michigan

Area of Interest Location Code Sample Code Sample Date	AOI W-1 - LNAPL Area 1/7					AOI W-1 - LNAPL Area 1/7						
	SB-43-14 SB-43-14 (080614) 8/6/2014	SB-46-14 SB-46-14 (080614) 8/6/2014	SB-50-14 SB-50-14_LNAPL 10/30/2014	SB-53-14 SB-53-14-091814 9/15/2014	SB-54-14 SB-54-14-091814 9/15/2014	SB-30-14 SB-30-14 (06252015) 6/25/2015	SB-55-14 SB-55-14_LNAPL 10/31/2014	SB-56-14 SB-56-14-091914 9/16/2014	SB-57-14 SB-57-14-091914 9/16/2014	SB-58-14 SB-58-14-091914 9/16/2014	SB-61-14 SB-61-14-091814 9/15/2014	
	PCBs											
	Aroclor-1016 (PCB-1016) µg/kg	< 190000 U	< 200000 U	< 5000 U	< 50000 U	< 470000 U	<48000	< 20000 U	< 97000 U	< 490000 U	< 97000 U	< 9800 U
Aroclor-1221 (PCB-1221) µg/kg	< 190000 U	< 200000 U	< 5000 U	< 50000 U	< 470000 U	<48000	< 20000 U	< 97000 U	< 490000 U	< 97000 U	< 97000 U	< 9800 U
Aroclor-1232 (PCB-1232) µg/kg	< 190000 U	< 200000 U	< 5000 U	< 50000 U	< 470000 U	<48000	< 20000 U	< 97000 U	< 490000 U	< 97000 U	< 97000 U	< 9800 U
Aroclor-1242 (PCB-1242) µg/kg	< 190000 U	< 200000 U	< 5000 U	< 50000 U	< 470000 U	<48000	< 20000 U	< 97000 U	< 490000 U	< 97000 U	< 97000 U	< 9800 U
Aroclor-1248 (PCB-1248) µg/kg	830000	1700000	32000	240000	2500000	470000	140000	730000	2500000	570000	81000	
Aroclor-1254 (PCB-1254) µg/kg	< 190000 U	< 200000 U	< 5000 U	< 50000 U	< 470000 U	<48000	< 20000 U	< 97000 U	< 490000 U	< 97000 U	< 97000 U	< 9800 U
Aroclor-1260 (PCB-1260) µg/kg	41000 J	72000 J	3700 J	< 50000 U	< 470000 U	<48000	9300 J	< 97000 U	< 490000 U	< 97000 U	< 9800 U	

Notes:

- p The % Relative Percent Difference between the primary and confirmation column/detector is >40%; the lower value has been reported.
- J Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.
- U Indicates the analyte was analyzed for but not detected.
- AOI Area of Interest
- LNAPL Light non-aqueous phase liquid
- PCB Polychlorinated biphenyl
- F1 MS and/or MSD Recovery is outside acceptable limits
- shade Result exceeds 100,000 µg/kg

All result listed in micrograms per kilogram (µg/kg).

Table 3.
LNAPL Analytical Results
RACER Trust Pontiac North Campus
Pontiac, Michigan

Area of Interest Location Code Sample Code Sample Date	Units	AOI M-2		
		MWM2-29 MWM2-29 (07012014)	SB-06A-14 SB-06A-14 (06252015)	SB-07-14 SB-07-14A(Deep)(080614) 7/1/2014
PCBs				
Aroclor-1016 (PCB-1016) µg/kg	< 490000 U	<240000	< 20000 U	
Aroclor-1221 (PCB-1221) µg/kg	< 490000 U	<240000	< 20000 U	
Aroclor-1232 (PCB-1232) µg/kg	< 490000 U	<240000	< 20000 U	
Aroclor-1242 (PCB-1242) µg/kg	1200000	<240000	140000	
Aroclor-1248 (PCB-1248) µg/kg	< 490000 U	3600000	< 20000 U	
Aroclor-1254 (PCB-1254) µg/kg	< 490000 U	<240000	< 20000 U	
Aroclor-1260 (PCB-1260) µg/kg	< 490000 U	<240000	6000 J	

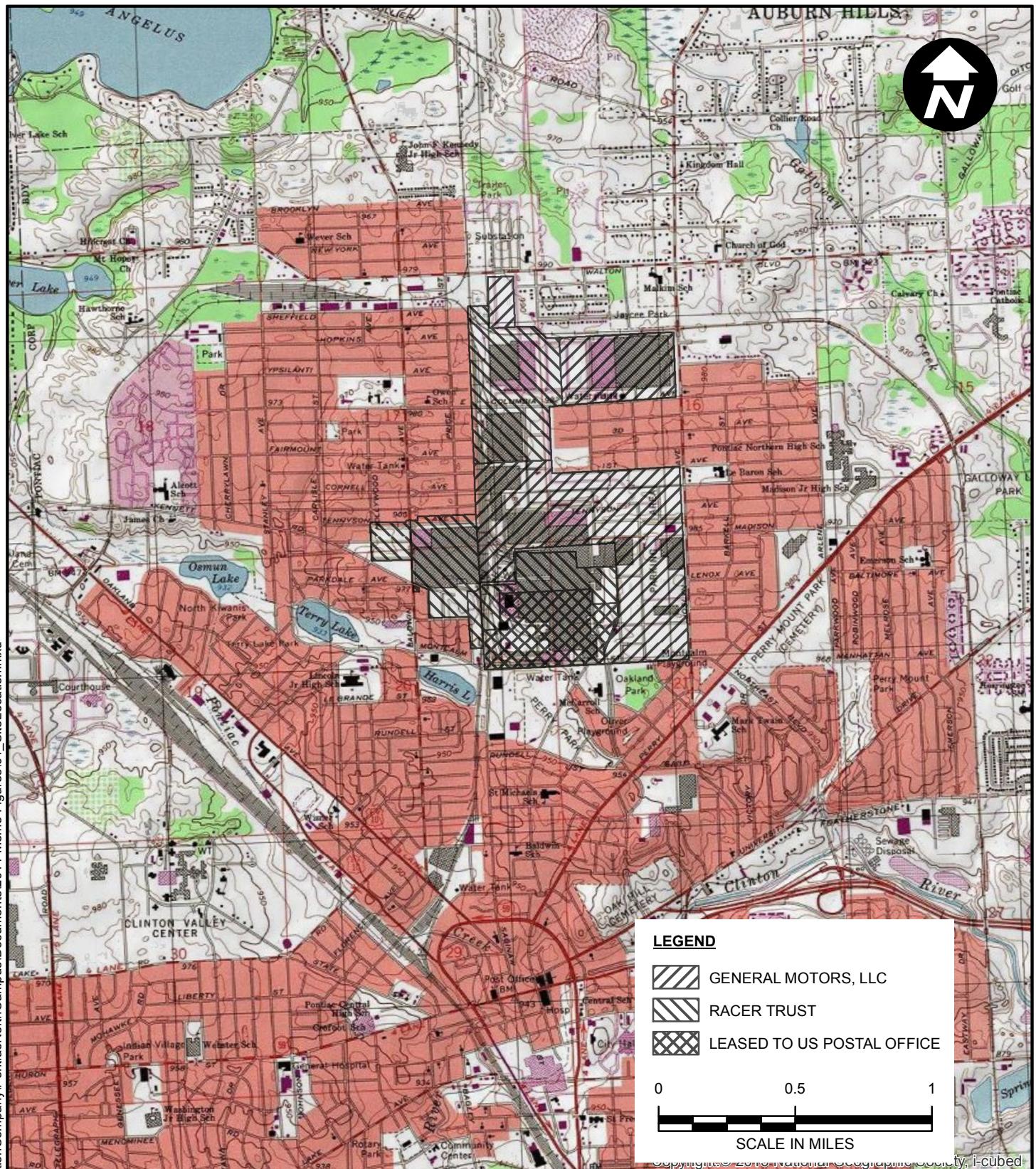
Notes:

- p The % Relative Percent Difference between the primary and confirmation column/detector is >40%; the lower value has been reported.
- J Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.
- U Indicates the analyte was analyzed for but not detected.
- AOI Area of Interest
- LNAPL Light non-aqueous phase liquid
- PCB Polychlorinated biphenyl
- F1 MS and/or MSD Recovery is outside acceptable limits
- shade Result exceeds 100,000 µg/kg

All result listed in micrograms per kilogram (µg/kg).

Figures

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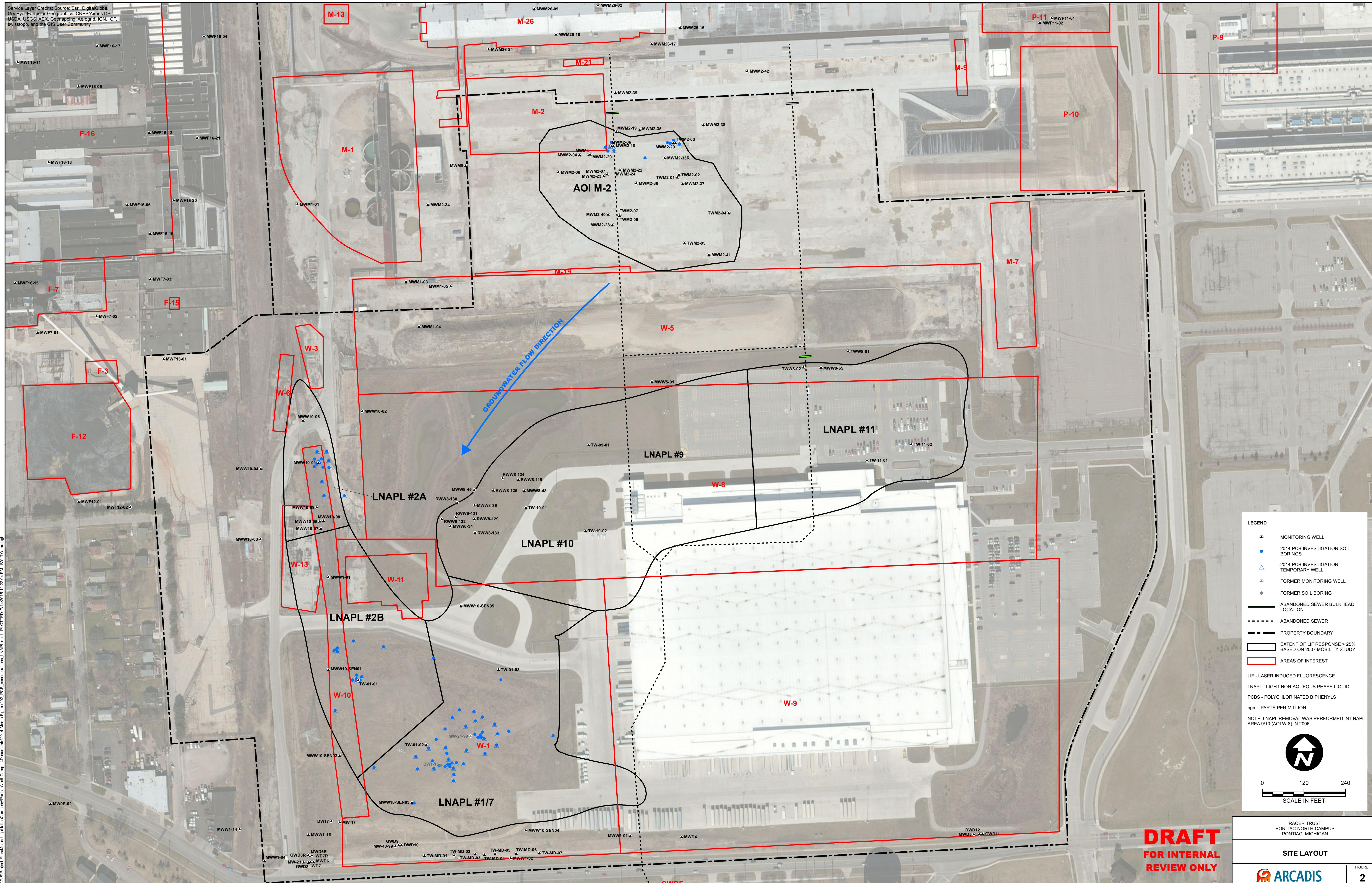
RACER TRUST
 PONTIAC NORTH CAMPUS
 PONTIAC, MICHIGAN

SITE LOCATION

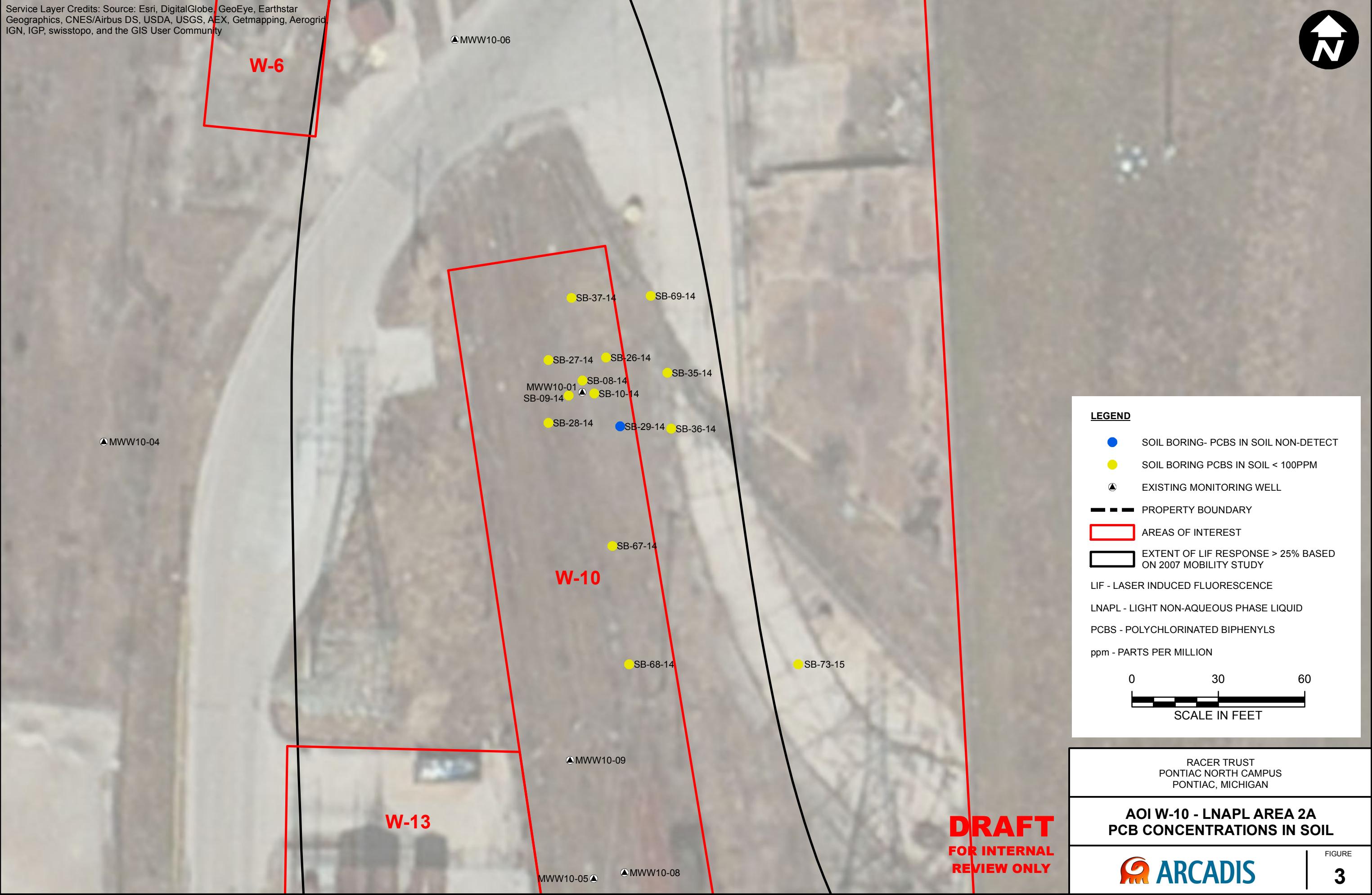
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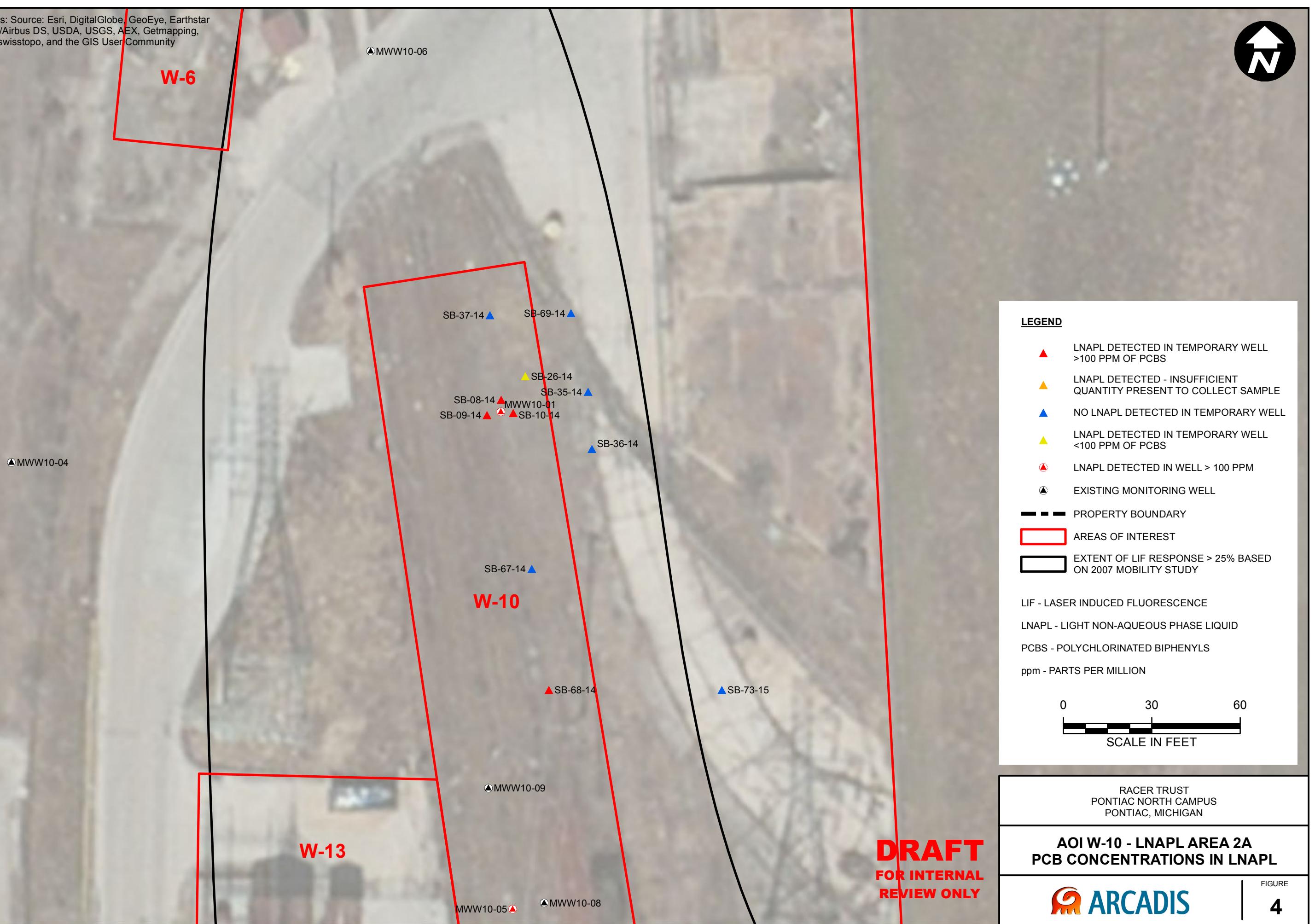
FIGURE

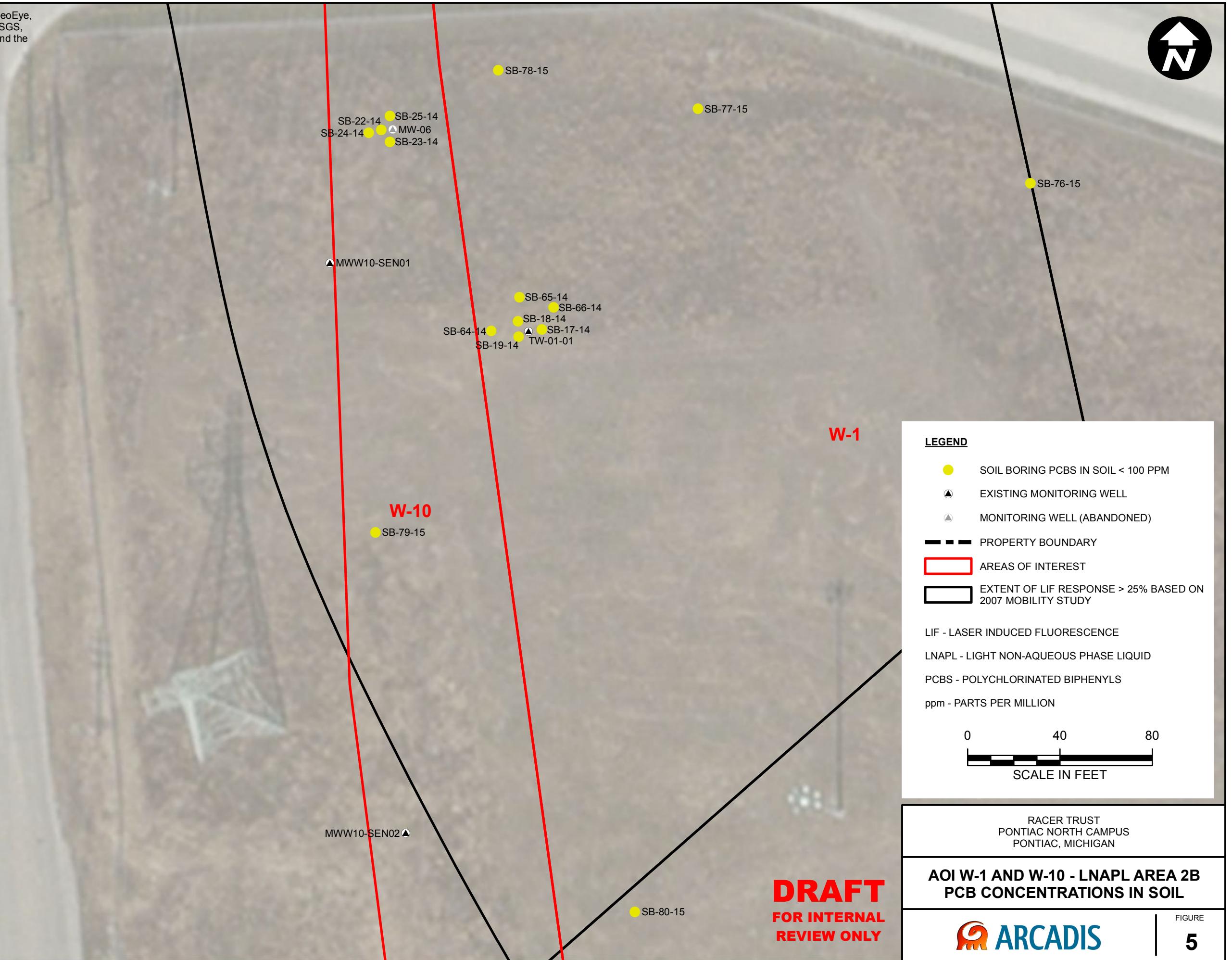
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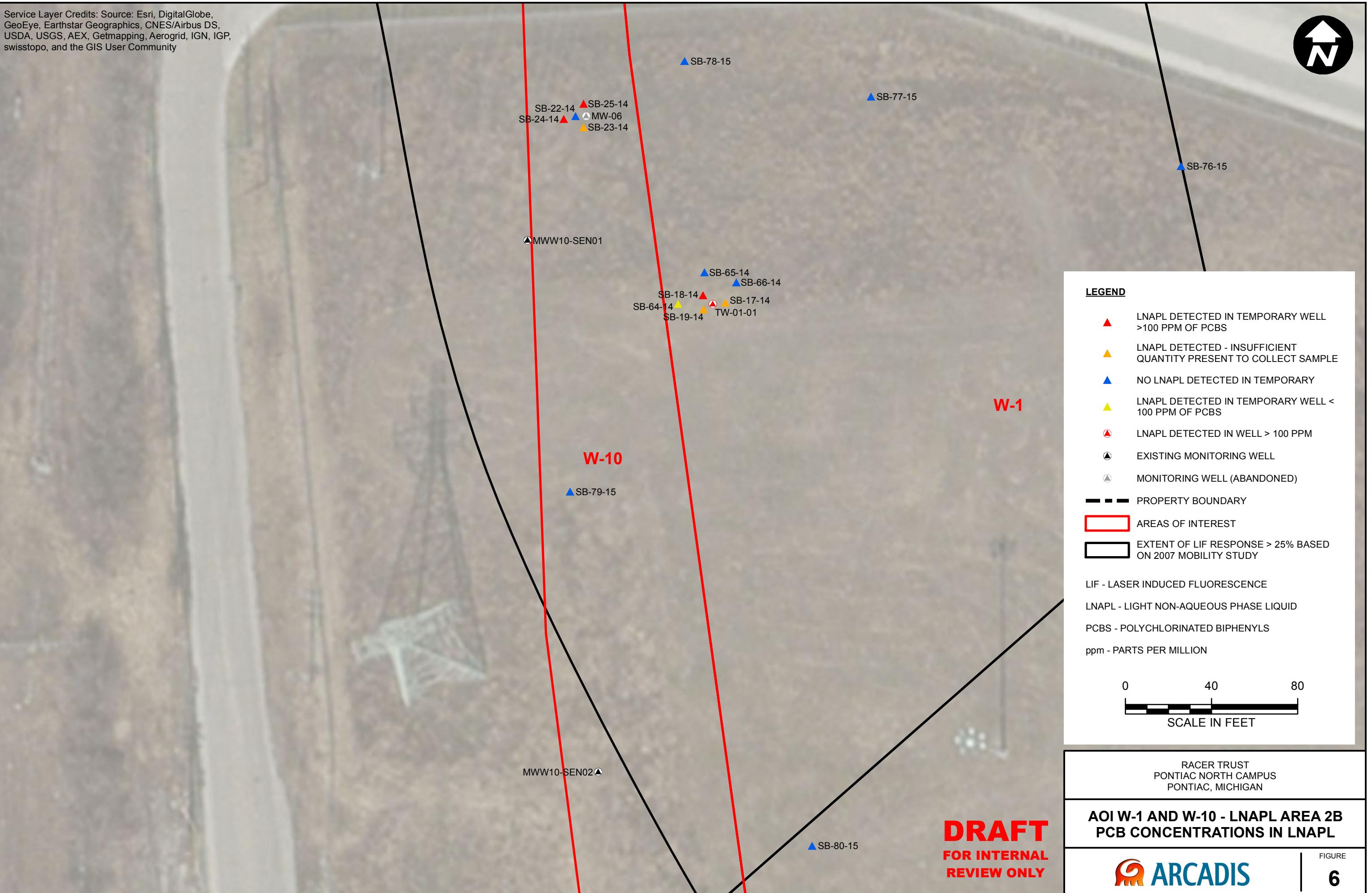


DRAFT FOR INTERNAL REVIEW ONLY











M-2

MWM4
▲ MWM2-04 ▲ MWM2-20

SB-34-14
MWM2-06
SB-07B-14 (S) ▲ MWM2-18
SB-72-14 ▲ SB-12-14
SB-07A-14 (D)
SB-71-14 SB-70-14

MWM2-19

▲ MWM2-35

SB-82-15
MWM2-29
SB-11-14 SB-05-14
TWM2-03
SB-06A-14 (D) SB-06B-14 (S)

SB-83-15

▲ MWM2-33R

TWM2-02

▲ TWM2-01

▲ MWM2-37

▲ MWM2-36

- LEGEND**
- SOIL BORING PCBS NON DETECT
 - SOIL BORING PCBS IN SOIL <100 PPM
 - ▲ EXISTING MONITORING WELL
 - PROPERTY BOUNDARY
 - AREAS OF INTEREST
 - EXTENT OF LIF RESPONSE > 25% BASED ON 2007 MOBILITY STUDY
- LIF - LASER INDUCED FLUORESCENCE
PCBS - POLYCHLORINATED BIPHENYLS
ppm - PARTS PER MILLION



RACER TRUST
PONTIAC NORTH CAMPUS
PONTIAC, MICHIGAN

DRAFT
FOR INTERNAL
REVIEW ONLY

ARCADIS

FIGURE
7



LEGEND

- LNAPL DETECTED IN TEMPORARY WELL >100 PPM OF PCBs
- LNAPL DETECTED - INSUFFICIENT QUANTITY PRESENT TO COLLECT SAMPLE
- NO LNAPL DETECTED IN TEMPORARY WELL
- LNAPL DETECTED IN WELL > 100 PPM
- EXISTING MONITORING WELL

PROPERTY BOUNDARY

AREAS OF INTEREST

EXTENT OF LIF RESPONSE > 25% BASED ON 2007 MOBILITY STUDY

LIF - LASER INDUCED FLUORESCENCE

LNAPL - LIGHT NON-AQUEOUS PHASE LIQUID

PCBS - POLYCHLORINATED BIPHENYLS

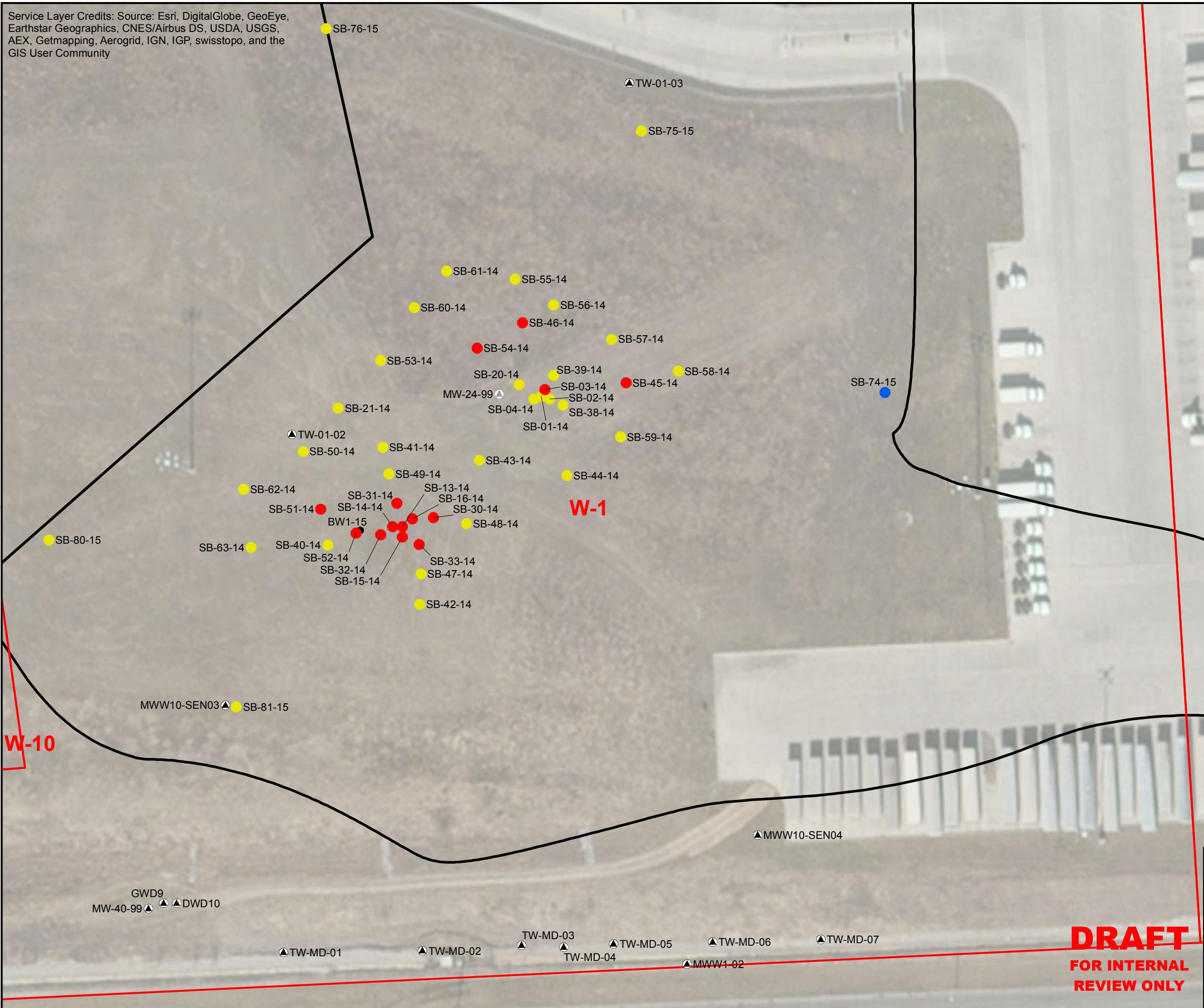
ppm - PARTS PER MILLION



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PONTIAC, MICHIGAN

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AOI M-2 PCB CONCENTRATIONS IN LNAPL



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LEGEND

- SOIL BORING- PCBs IN SOIL NON-DETECT
- SOIL BORING PCBs IN SOIL > 100PPM
- SOIL BORING PCBs IN SOIL < 100PPM
- EXISTING MONITORING WELL
- MONITORING WELL (ABANDONED)
- SOIL BORING

PROPERTY BOUNDARY

AREAS OF INTEREST

EXTENT OF LIF RESPONSE > 25% BASED ON 2007 MOBILITY STUDY

LIF - LASER INDUCED FLUORESCENCE

LNAPL - LIGHT NON-AQUEOUS PHASE LIQUID

PCBS - POLYCHLORINATED BIPHENYLS

ppm - PARTS PER MILLION

0 60 120
SCALE IN FEET

RACER TRUST
PONTIAC NORTH CAMPUS
PONTIAC, MICHIGAN

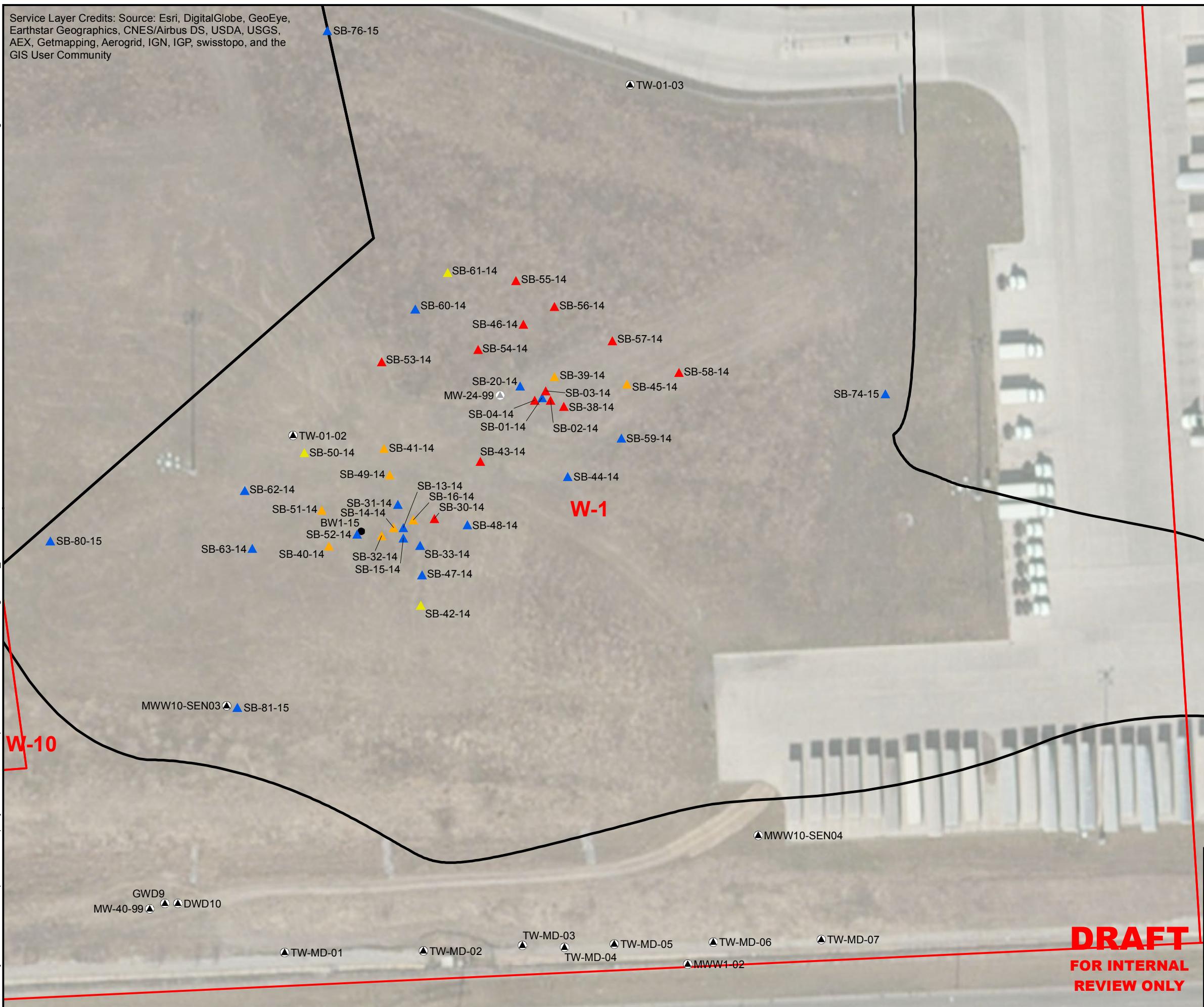
AOI W-1 - LNAPL AREA 1/7
PCB CONCENTRATIONS IN SOIL

ARCADIS

FIGURE
9



CITY: Novi DIV:ENV DB:TRY PIC: PM: TM: TR: PROJECT NUMBER: COORDINATE SYSTEM: NAD 1983 StatePlane Michigan South FIPS 2113 Feet
FILE NAME: G:\Project Files\Motors\Inulation\Company\Pontiac\NorthCanopus\Documents\2014-Manno Figures\10\NAPI Area 1-7 PCB Concentrations in NAPI.mxd PLOTTED: 7/17/2015 2:17:50 PM BY: Tyarhrough



LEGEND

- ▲ LNAPL DETECTED IN TEMPORARY WELL
>100 PPM OF PCBs
 - ▲ LNAPL DETECTED - INSUFFICIENT QUANTITY PRESENT TO COLLECT SAMPLE
 - ▲ NO LNAPL DETECTED IN TEMPORARY
 - ▲ LNAPL DETECTED IN TEMPORARY WELL
<100 PPM OF PCBs
 - ▲ EXISTING MONITORING WELL
 - ▲ MONITORING WELL (ABANDONED)
 - SOIL BORING

— — PROPERTY BOUNDARY

AREAS OF INTEREST

EXTENT OF LIF RESPONSE > 25% BASED ON 2007 MOBILITY STUDY

LIF - LASER INDUCED FLUORESCENCE

LNAPL - LIGHT NON-AQUEOUS PHASE LIQUID

PCBs - POLYCHLORINATED BIPHENYLS

A horizontal scale bar representing 60 to 120 feet. It features a thick black line with tick marks at 60 and 120, and a label "SCALE IN FEET" below it.

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**FOR INTERNAL
REVIEW ONLY**

AOI W-1 - LNAPL AREA 1/7 B CONCENTRATIONS IN LNAPL



Attachments (on CD)

- 1 Soil Laboratory Analytical Reports
- 2 Soil Boring and Well Construction Logs
- 3 LNAPL Laboratory Analytical Reports

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