



**Buick City Public Information Meeting
June 25, 2013**

All cleanup activities have been and will continue to be developed in consultation with and approved by the USEPA. Initial Site remediation funding was approximately \$32,900,000 and approximately \$27,600,000 remains available.

2011 Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) Site Activities (coordinated around demolition activities)

As part of the ongoing RFI the following activities were completed in 2011:

- 130 Laser Induced Fluorescence (LIF) borings, and
- Nine shallow soil borings.
- Collection of 16 soil samples.

2011 Corrective Measures Implementation (CMI) Site Activities

As part of ongoing Corrective Measures Implementation (CMI) the following activities were completed in 2011:

- Completion of Annual Groundwater Monitoring Event which included:
 - o Installation of three shallow monitoring wells;
 - o Abandonment of two monitoring wells;
 - o Collection of 231 monitoring wells levels; and
 - o Collection of 41 groundwater samples.
- Collection of 105 storm sewer samples.

2011 Other Site Activities

Other Site activities completed during 2011 include:

- Completion of waste management unit (WMU) closure activities at the North end of the Site which included:
 - o Completion of 16 soil borings.
 - o Collection of 16 soil samples, 2 wipe samples and 1 paint chip sample.
- Conducting outfall inspections and maintenance;
- Conducting oil water separator inspections and maintenance; and
- Conducting ongoing Site demolition activities.

2012 RFI Site Activities

As part of the ongoing RFI the following activities were completed in 2012:

- Completion of 95 LIF borings and 33 shallow soil borings.
- Collection of 49 soil samples.

2012 CMI Site Activities

As part of ongoing CMI activities in 2012 the following activities were completed:

- Completion of Annual Groundwater Monitoring Event which included:
 - o Installation of one shallow monitoring well;
 - o Abandonment of 12 monitoring wells;
 - o Collection of 228 monitoring wells levels; and
 - o Collection of 43 groundwater samples.
- Collection of 104 storm sewer samples.
- Installation of seven soil gas monitoring points and eight carbon dioxide traps.
- Begin construction of AOI 09-B multi-phase extraction (MPE) system.

2012 Other Site Activities

Other Site activities completed during 2012 include:

- Completion of waste management unit (WMU) closure activities at the Southend of the Site which included:
 - o Completion of 14 soil borings, and
 - o Collection of 20 soil samples.
- Conducting outfall inspections and maintenance;
- Conducting oil water separator inspections and maintenance;
- Demolition of remaining Site structures;
- Conducted three quarters of natural source zone depletion (NSZD) study; and
- Conducted four quarters of transmissivity testing.

2013 RFI Site Activities

As part of the ongoing RFI the following activities were completed in 2013:

- Installation of 18 light non-aqueous phase liquid (LNAPL) delineation wells.
- Completion of 40 shallow soil borings.
- Collection of:
 - o 46 monitoring wells levels,
 - o 12 groundwater samples,
 - o 14 LNAPL samples, and
 - o 64 soil samples.

2013 CMI Site Activities

As part of the ongoing CMI the following activities were completed in 2013:

- Completion of Annual Groundwater Monitoring Event which included:
 - o Installation of two shallow monitoring well;
 - o Abandonment of two monitoring wells;
 - o Collection of 237 monitoring wells levels; and
 - o Collection of 40 groundwater samples.
- Collection of 33 storm sewer samples.
- Began operation of AOI 09-B MPE system.
- Installed surface cover at three areas in the Southend of the Site.

2013 Other Site Activities

Other Site activities completed during 2013 include:

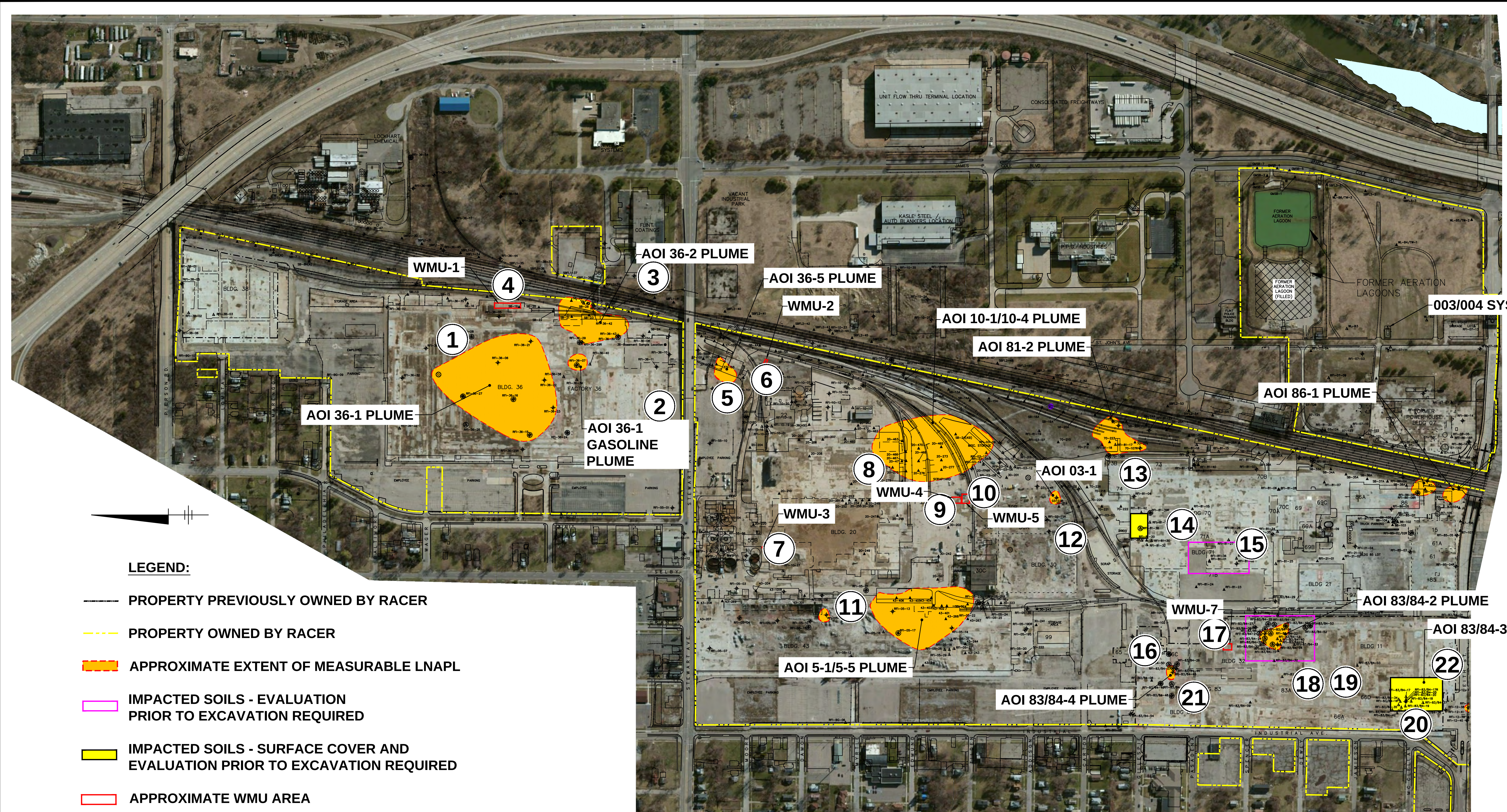
- Conducting outfall inspections and maintenance;
- Conducting oil water separator inspections and maintenance;
- Completed bulkhead installation at storm sewer Outfalls 002, 005 and 007 to eliminate the Site's contribution; and
- Conducted transmissivity testing at the Northend of the Site.

RACER Buick City Site
Key For Figures 1A and 1B -Site Environmental Issues
June 25, 2013

Key #

- 1) **AOI 36–1 Plume** – Mineral Seal/Hydraulic Oil Plume. Remedy selection ongoing.
- 2) **AOI 36–1 Gasoline Plume** – Gasoline in groundwater and soil. Proposed remedy – Multi–Phase Extraction system (pulls out contaminated water and fumes).
- 3) **AOI 36–2 Plume** – Mineral Seal/Hydraulic Oil Plume. Remedy selection ongoing.
- 4) **Waste Management Unit (WMU) #1** – Former waste storage area. Received closure from the MDEQ.
- 5) **AOI 36–5 Plume** – Fuel Oil Plume. Storm sewer bulkheaded and passive collection trench installed.
- 6) **WMU #2** – Former waste storage area. Closure received from MDEQ pending restrictive covenants on soil and groundwater usage.
- 7) **WMU #3** – Former waste storage area. Impacts being delineated
- 8) **AOI 10–1/10–4 plumes** – Hydraulic Oil Plumes, PCB impacted. Remedy selection ongoing.
- 9) **WMU #4** – Former waste storage area. Closure received from MDEQ pending restrictive covenants on soil and groundwater usage.
- 10) **WMU #5** – Former waste storage area. Closure received from MDEQ pending restrictive covenants on soil and groundwater usage.
- 11) **AOI 05/1–05–5 Plumes** – Cutting Oil Plumes, PCB impacted. Remedy selection ongoing.
- 12) **AOI 03–1 Plume** – Quench Oil Plume, Remedy selection ongoing.
- 13) **AOI 81–2 Plume** – Cutting Oil Plume, PCB impacted. Remedy selection ongoing.
- 14) **AOI 81–2 Soil** – Impacted shallow soils. Proposed remedy – surface cover – no excavation unless approved.
- 15) **AOI 81–1 Soil** – Impacted soils at depth. Proposed remedy – no excavation unless approved.
- 16) **AOI 83/84–4 Plume** – Cutting Oil Plume. Remedy selection ongoing.
- 17) **WMU #6** – Former waste storage area. Received closure from MDEQ.
- 18) **AOI 83/84–2 Plume** – Cutting Oil Plume, PCB impacted. Remedy selection ongoing.
- 19) **AOI 83/84–2 Soil** – Impacted soils at depth. Proposed remedy – no excavation unless approved.
- 20) **AOI 83/84–3 Soil** – Impacted shallow soils. Proposed remedy – surface cover - no excavation unless approved.
- 21) and 22) Recently identified LNAPL plumes. Under investigation.
- 23) **AOI 86–1 Plume** – Fuel Oil Plume, PCB impacted. Remedy selection ongoing.
- 24) **WMU #9** – Former waste storage area. Received closure from the MDEQ.
- 25) **AOI 29–A Soil** – Impacted shallow soils. Proposed remedy – surface cover - no excavation unless approved.
- 26) **AOI 12–A, –B, &–C Plumes** – Hydraulic Oil Plumes. Remedy selection ongoing.
- 27) **AOI 12–A Soil** – Impacted shallow soils. Proposed remedy – surface cover - no excavation unless approved.
- 28) **WMU #8** – Former waste storage area. Received closure from the MDEQ.
- 29) **AOI 2–B Plume** – Hydraulic Oil Plume. Remedy selection ongoing.
- 30) **AOI 2–C Soil** – Impacted shallow soils. Proposed remedy – surface cover - no excavation unless approved.
- 31) **WMU #7** – Former waste storage area. Remedy selection ongoing.
- 32) **AOI 40–A, –B and 16–C Plumes** – Fuel Oil Plumes. Remedy selection ongoing.
- 33) **WMU #10** – Former waste storage area. Remedy selection ongoing.
- 34) and 35) **AOI 09-B Soil** – Impacted shallow soils. Proposed remedy –surface cover - no excavation unless approved.
- 36) **AOI 09–A Soil** – Impacted shallow soils. Proposed remedy –surface cover - no excavation unless approved.
- 37) **AOI 09–B Plume** – Gasoline Plume. Multi–Phase Extraction system installed.

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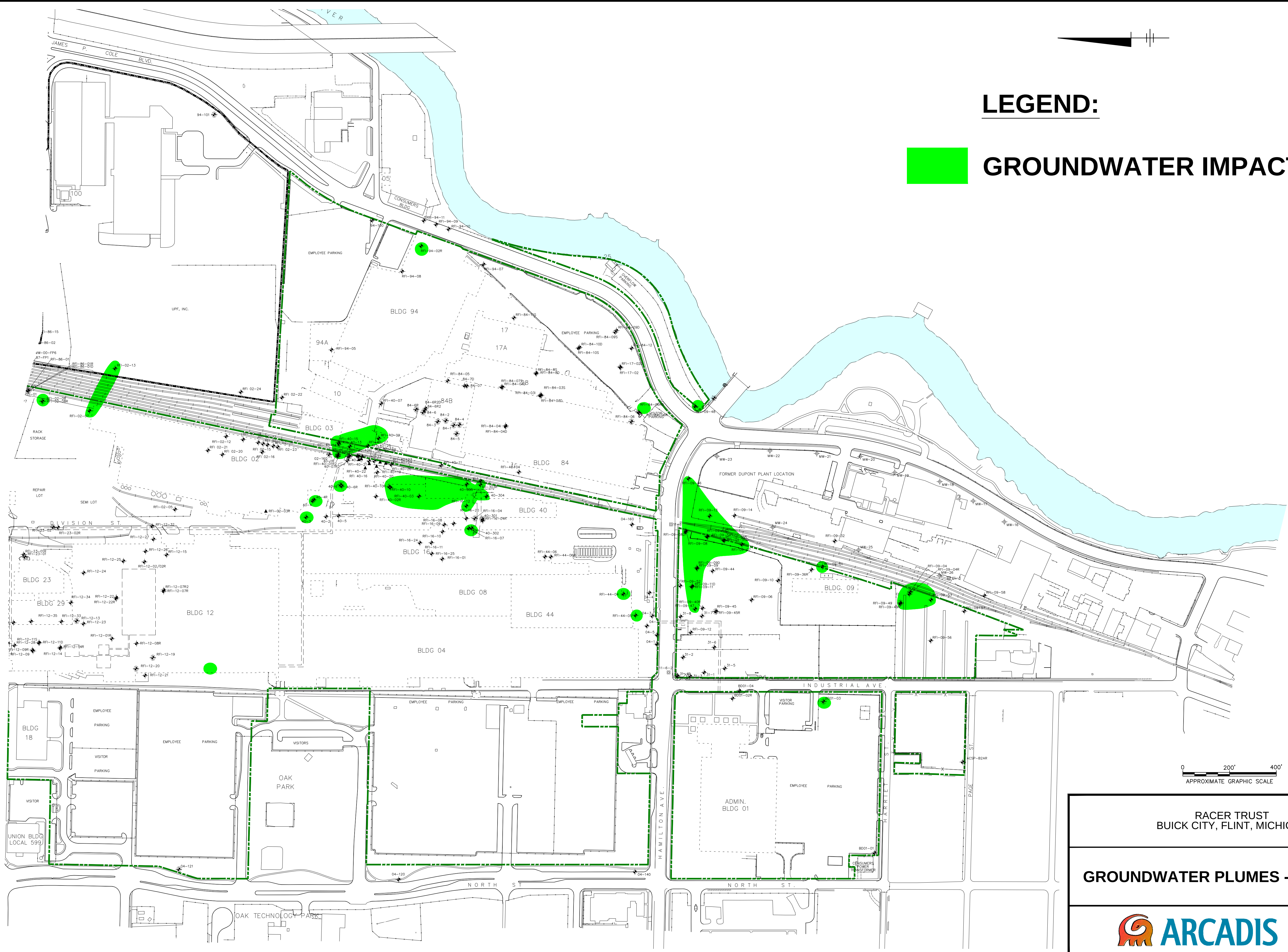
6/14/2013

RACER TRUST BUICK CITY, FLINT, MICHIGAN	
SITE ENVIRONMENTAL ISSUES - NORTHEND	
	FIGURE 1A

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GROUNDWATER IMPACTS

6/14/2013

RACER TRUST
BUICK CITY, FLINT, MICHIGAN

GROUNDWATER PLUMES - SOUTHEND

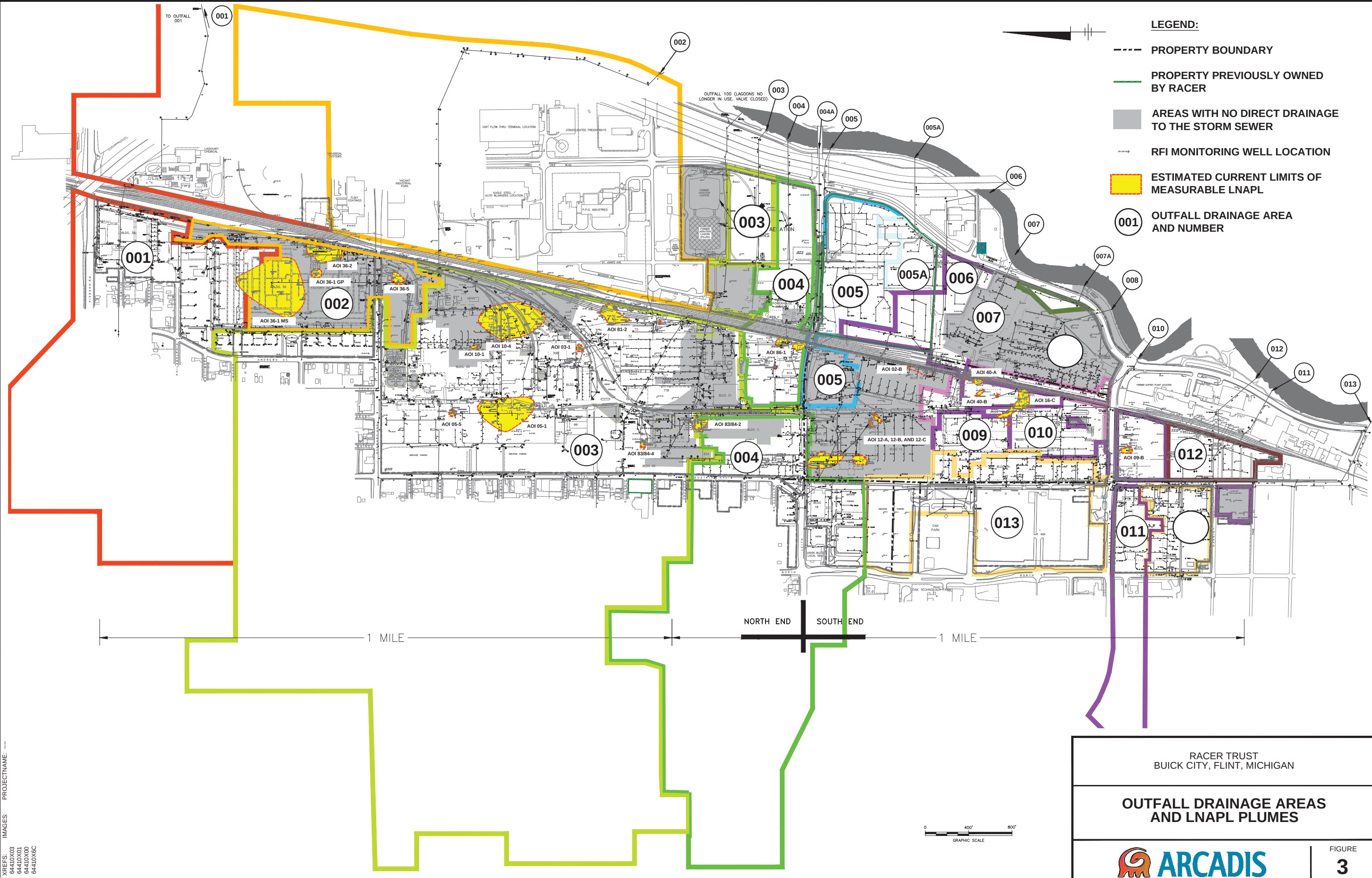


FIGURE
2B

CITY: SYRACUSE, NY DIV/GRP: 14/ENV/CAD DB: G. STOWELL L. FORAKER LD: G. STOWELL PW: L. MCBURNEY LYN: ONE-OFF-REF*
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BUICK CITY SITE
FLINT, MICHIGAN

AOI 09-B SYSTEM



FIGURE
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