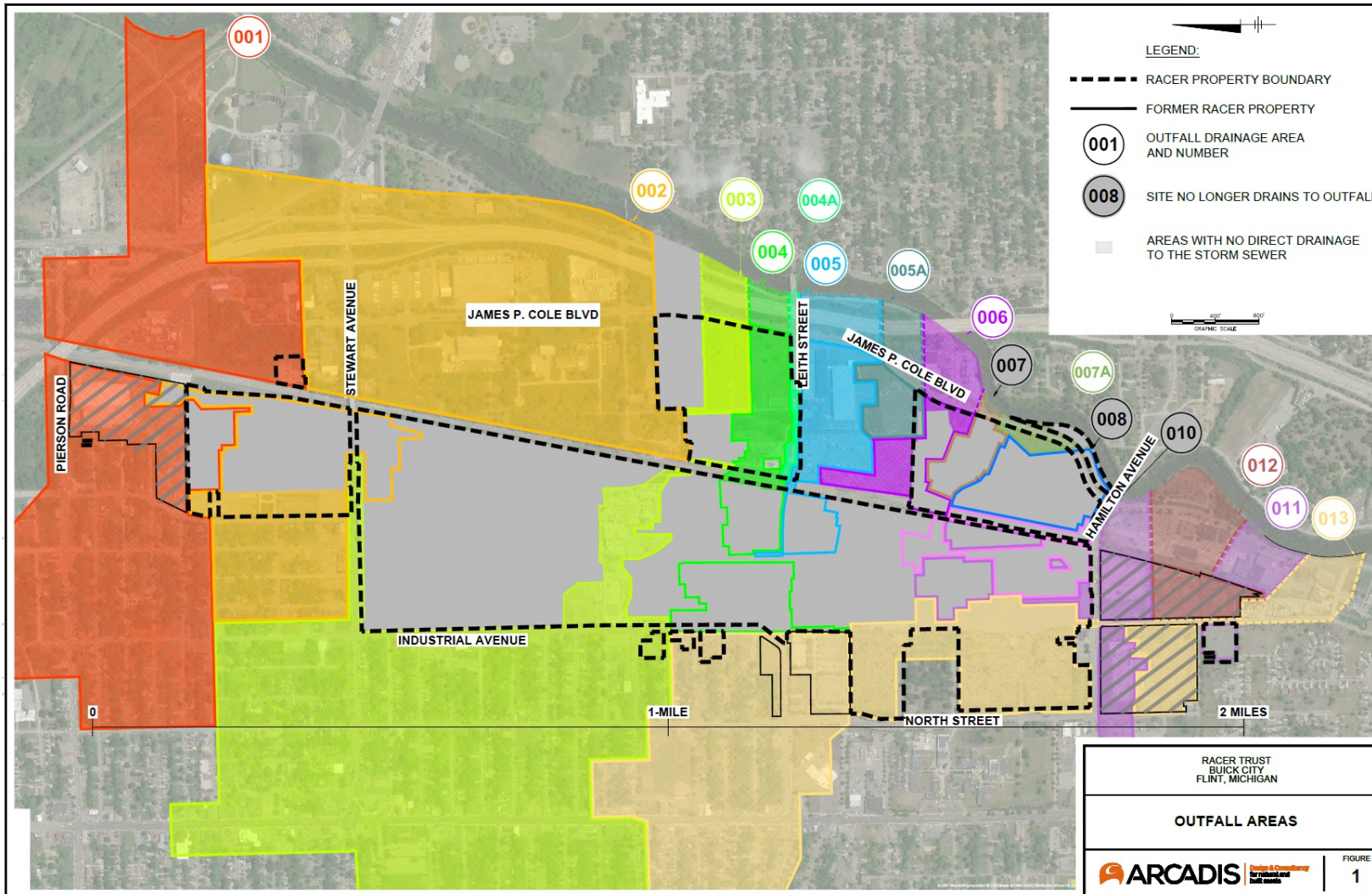
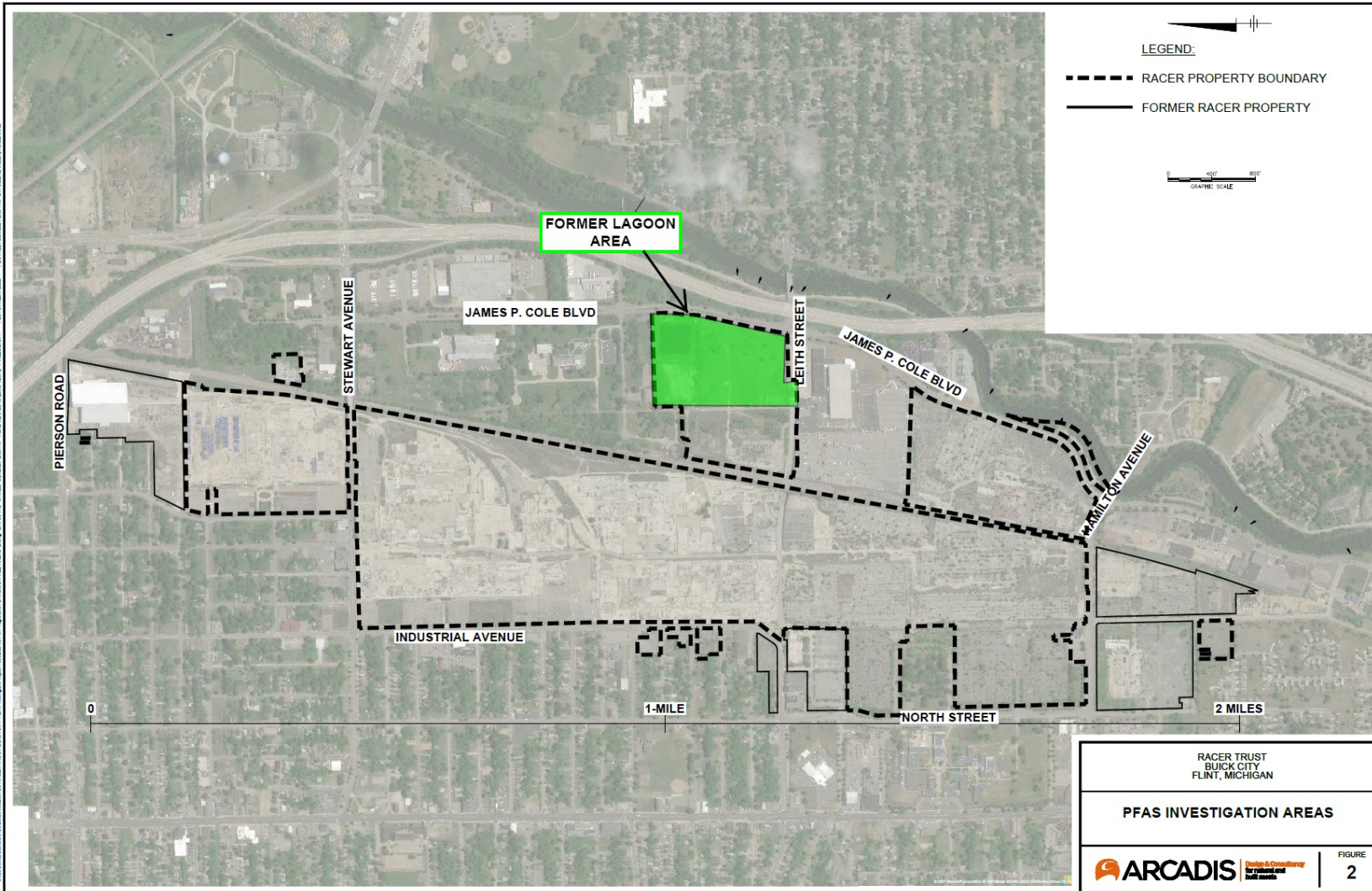


BUICK CITY SITE PUBLIC MEETING

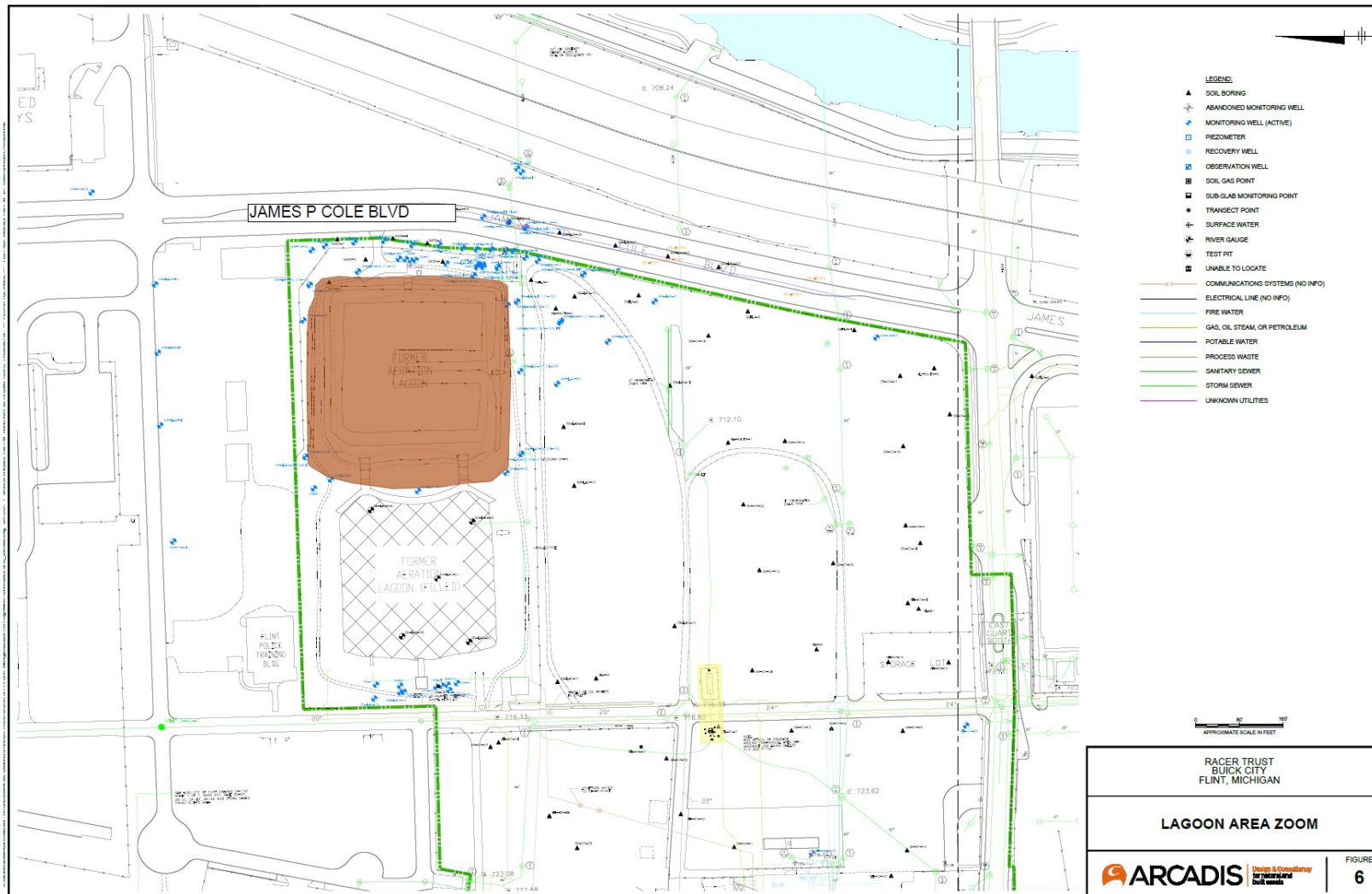
RACER Trust

July 14, 2022





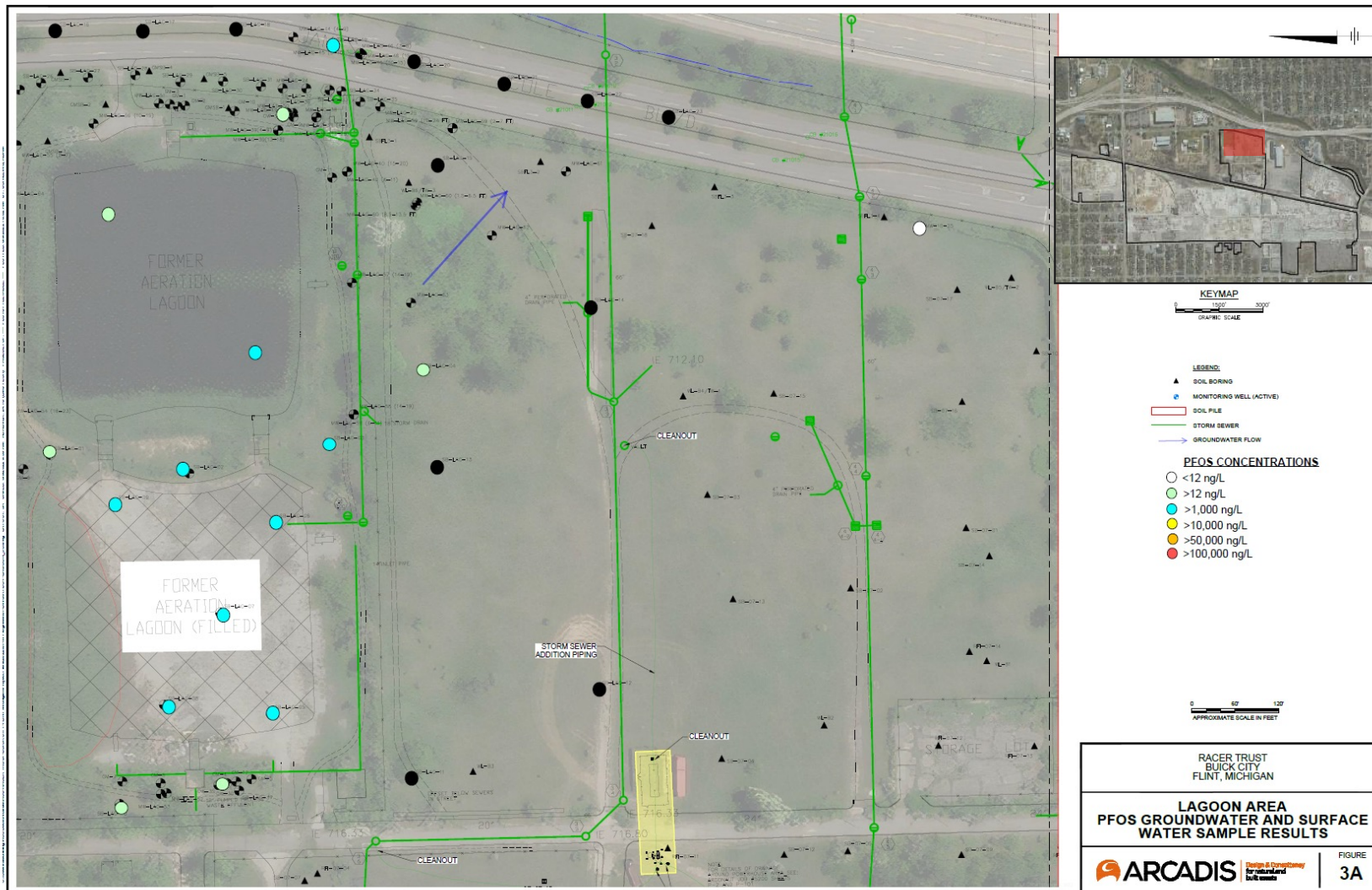
15 July 2022



15 July 2022

4

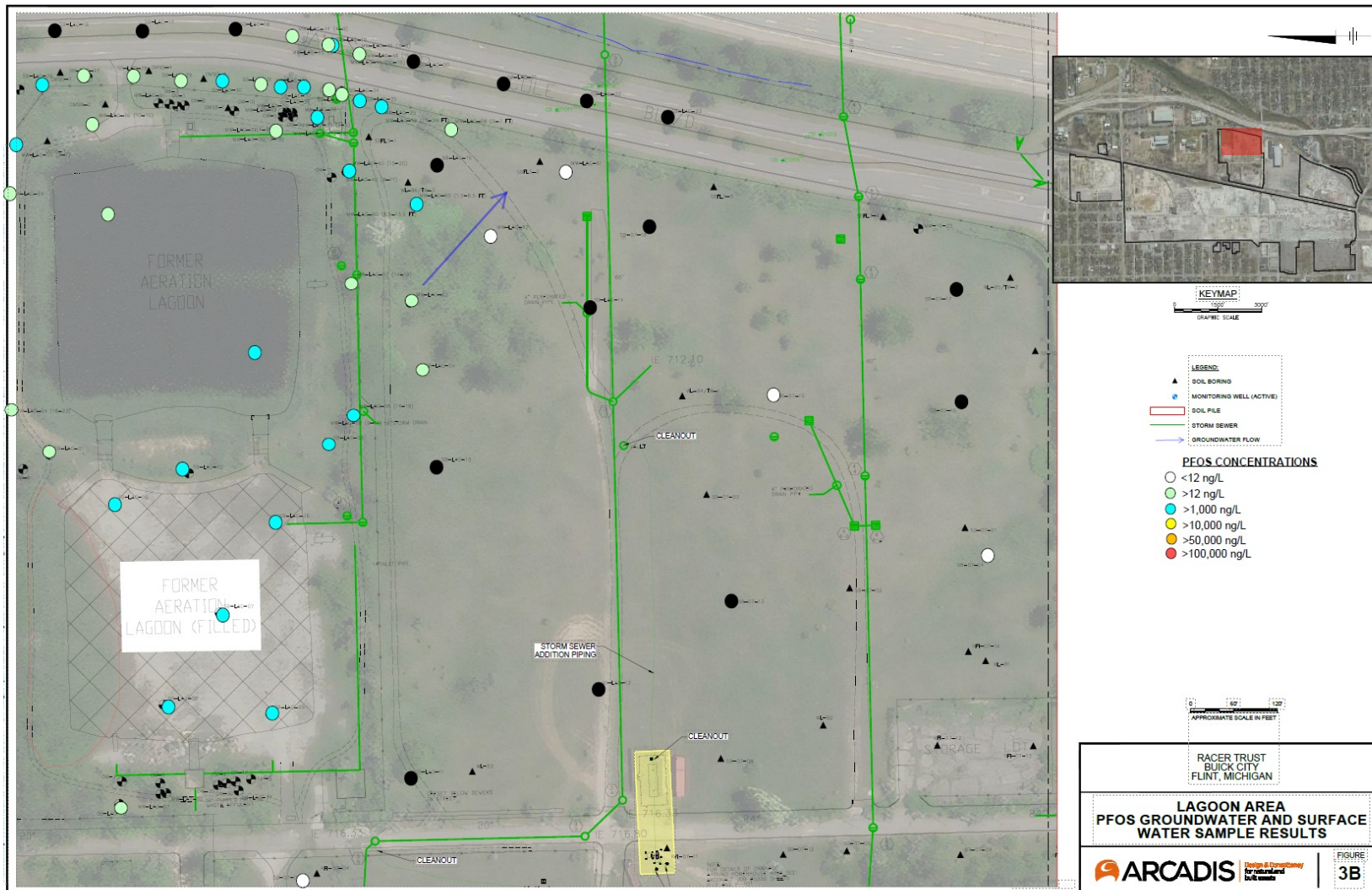
April – October 2021
PFOS Data



15 July 2022

5

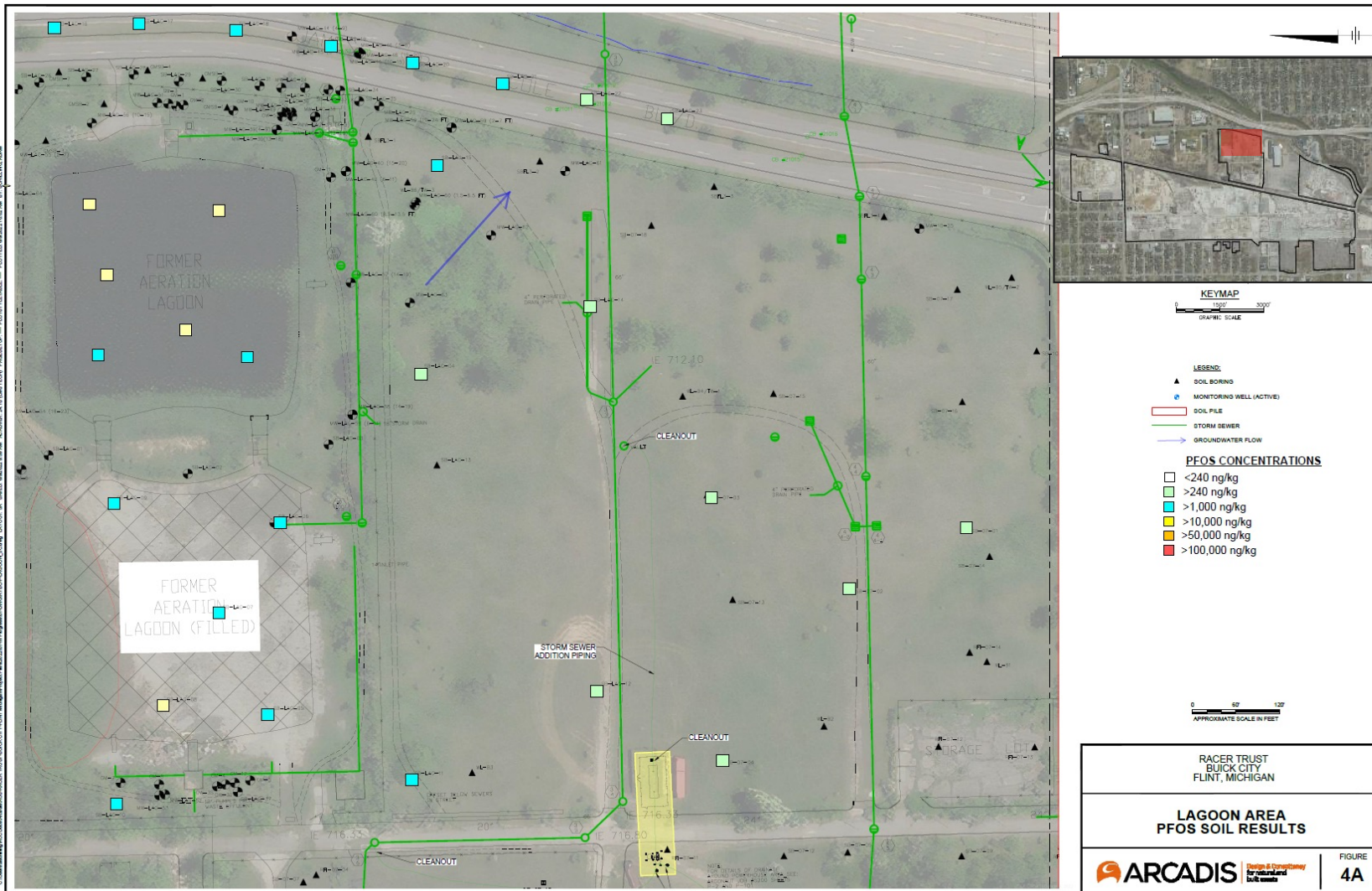
November 2021 –
May 2022
PFOS Data



15 July 2022

6

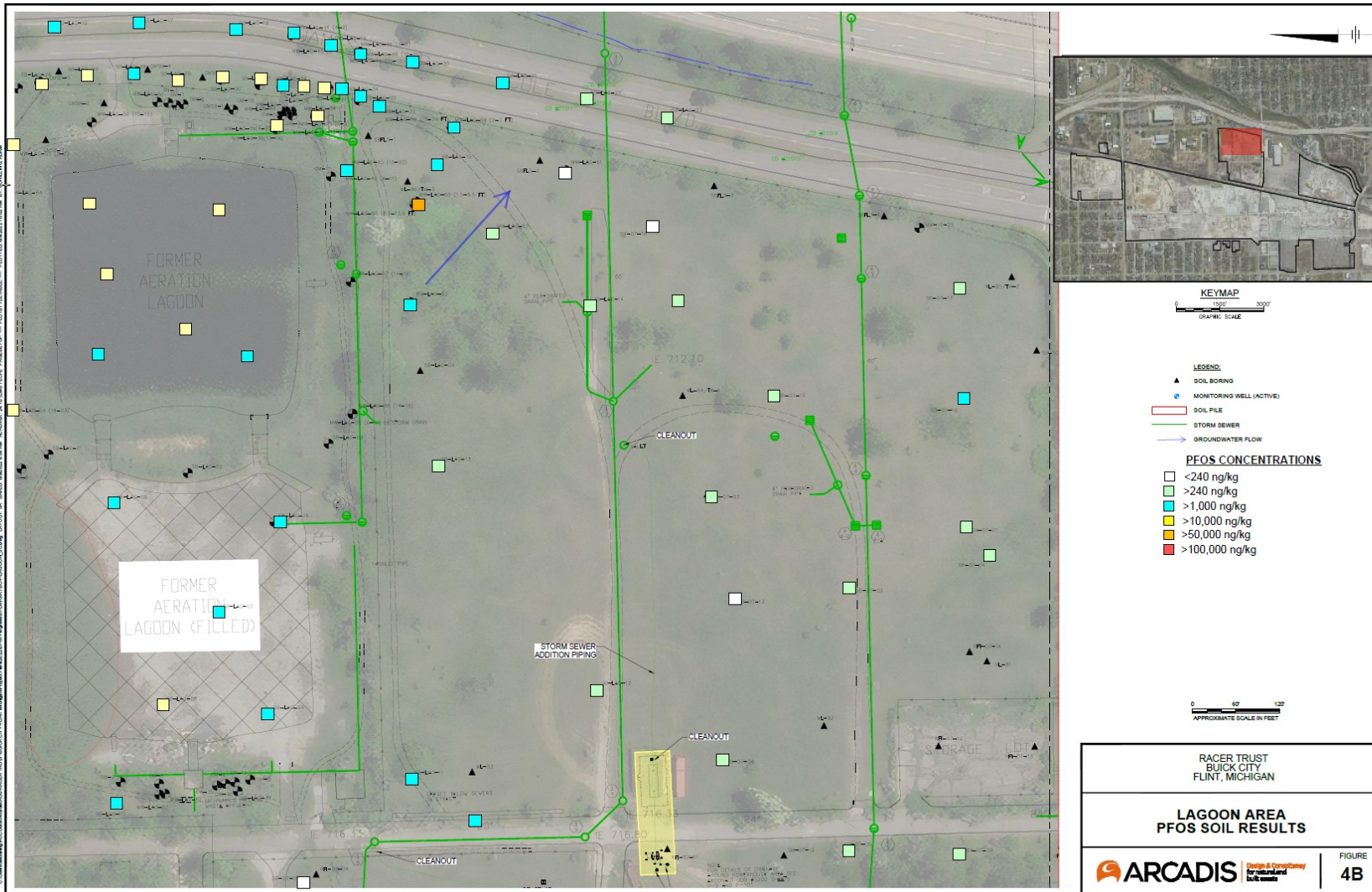
April – October 2021
PFOS Data



15 July 2022

7

November 2021 –
May 2022
PFOS Data



15 July 2022



June 9

June 15



July 6



July 6



15 July 2022

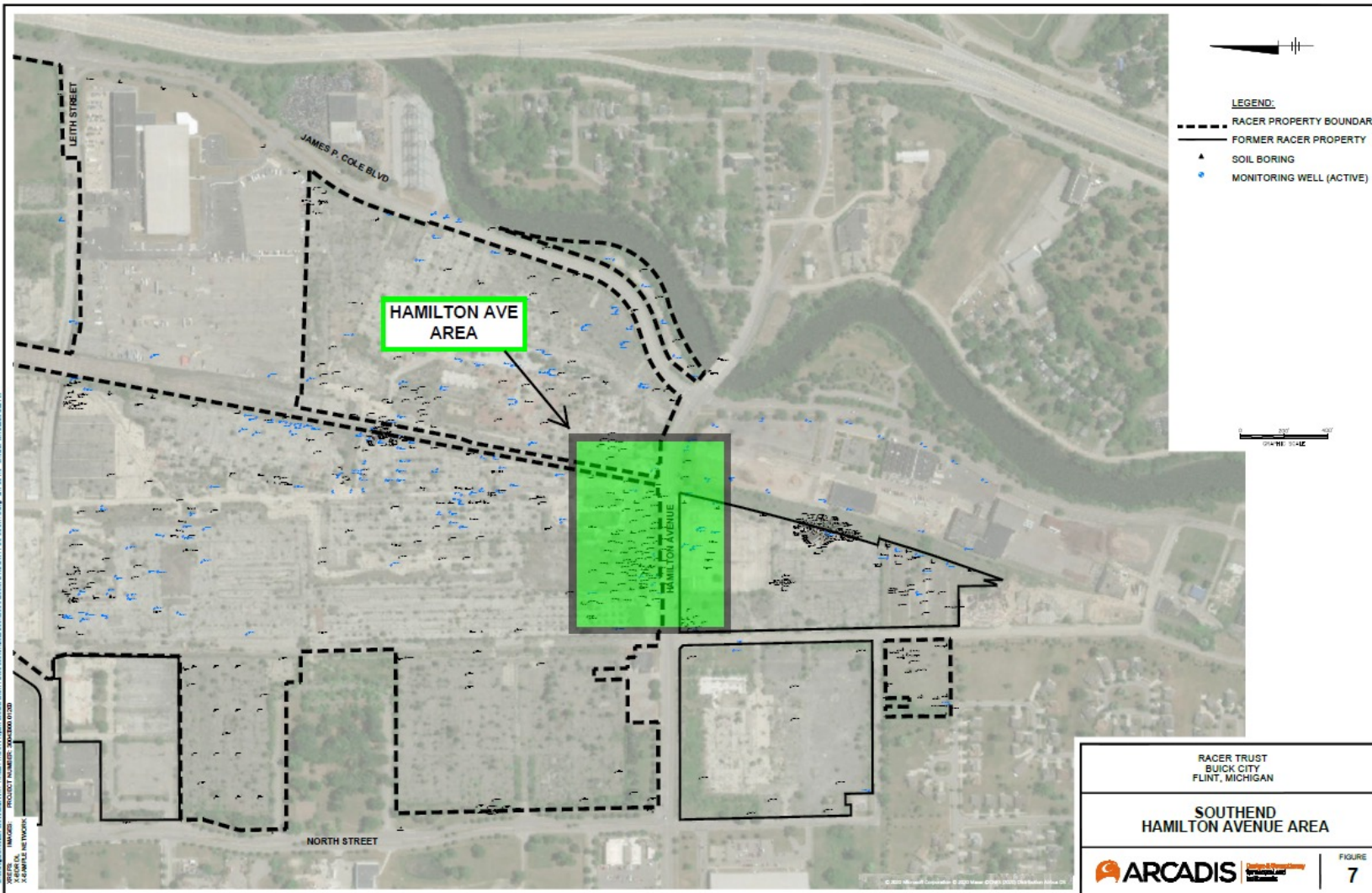
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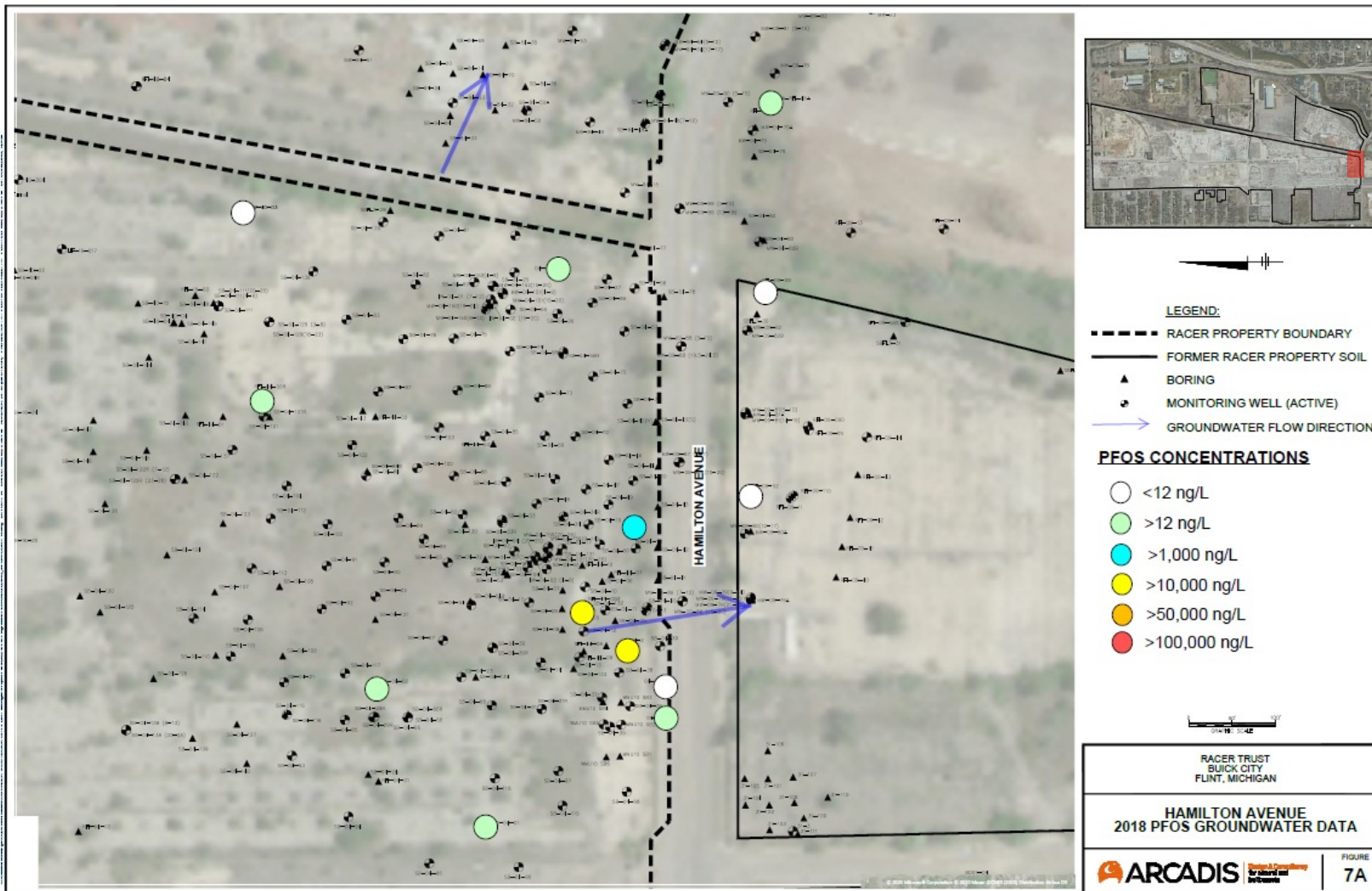
July 6

July 6





Hamilton Ave Area



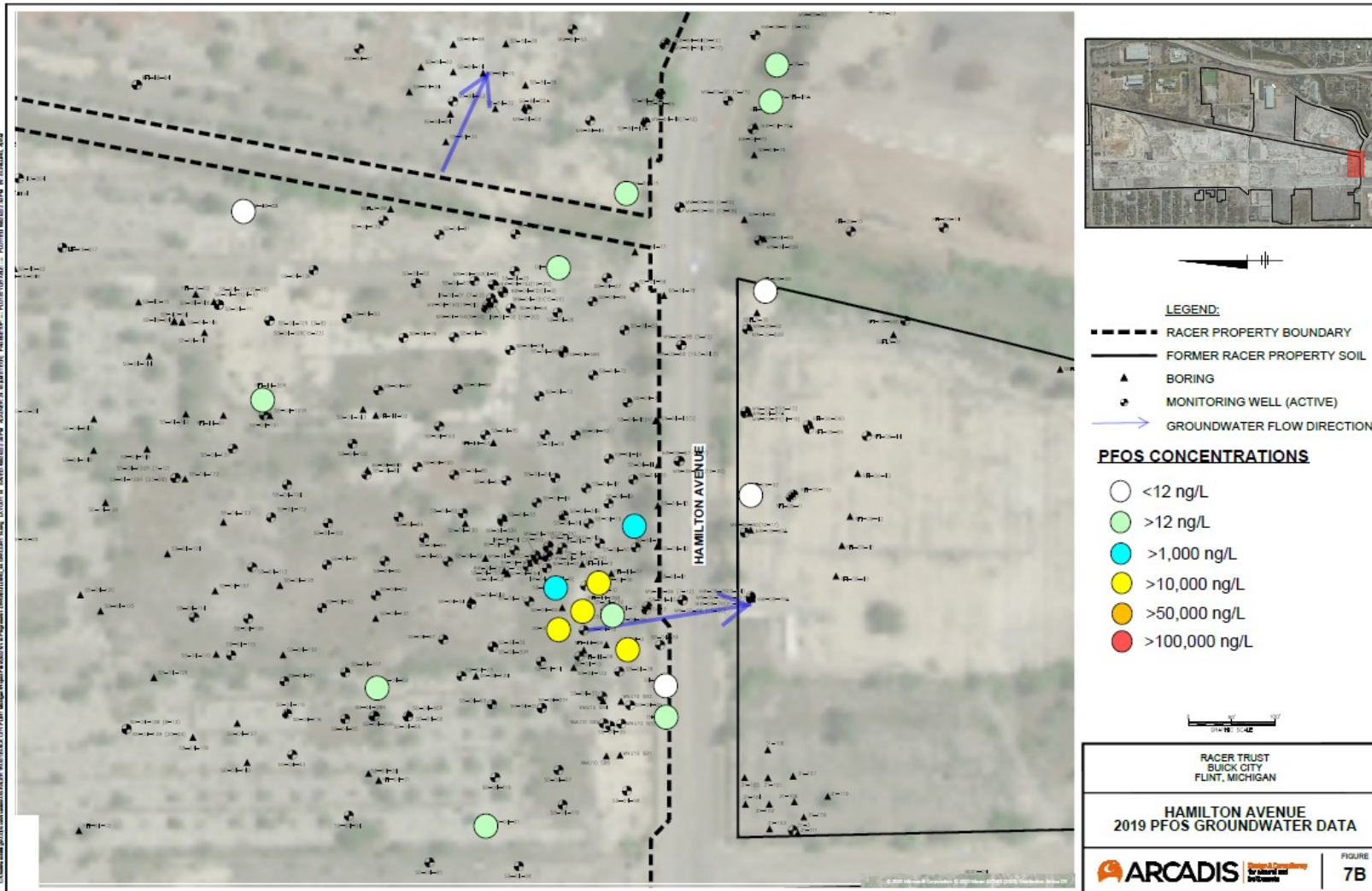
2018 PFOS Groundwater Data

15 July 2022

16

Hamilton Ave Area

2019 PFOS Groundwater Data

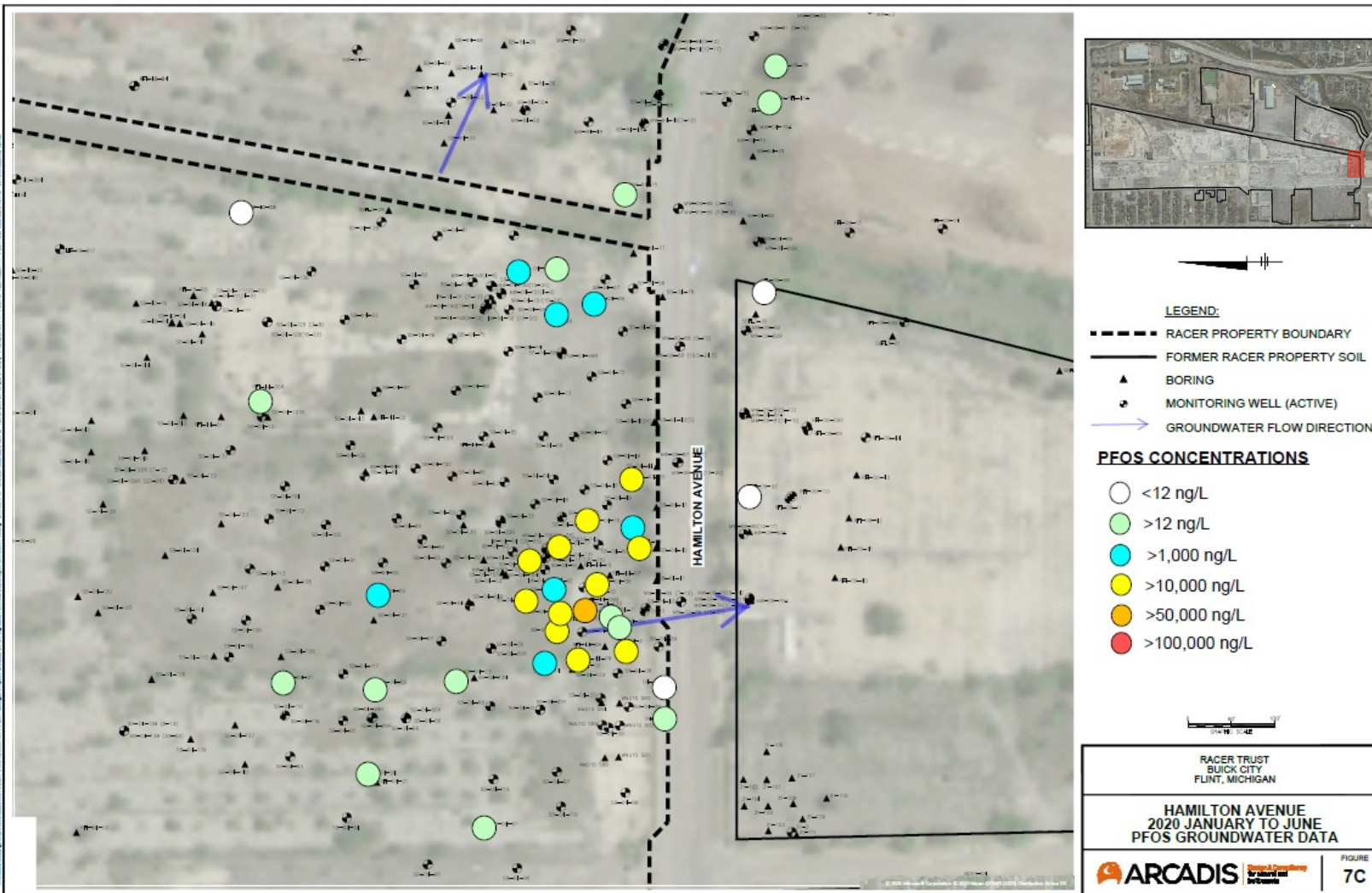


15 July 2022

17

Hamilton Ave Area

January – June 2020 PFOS Groundwater Data

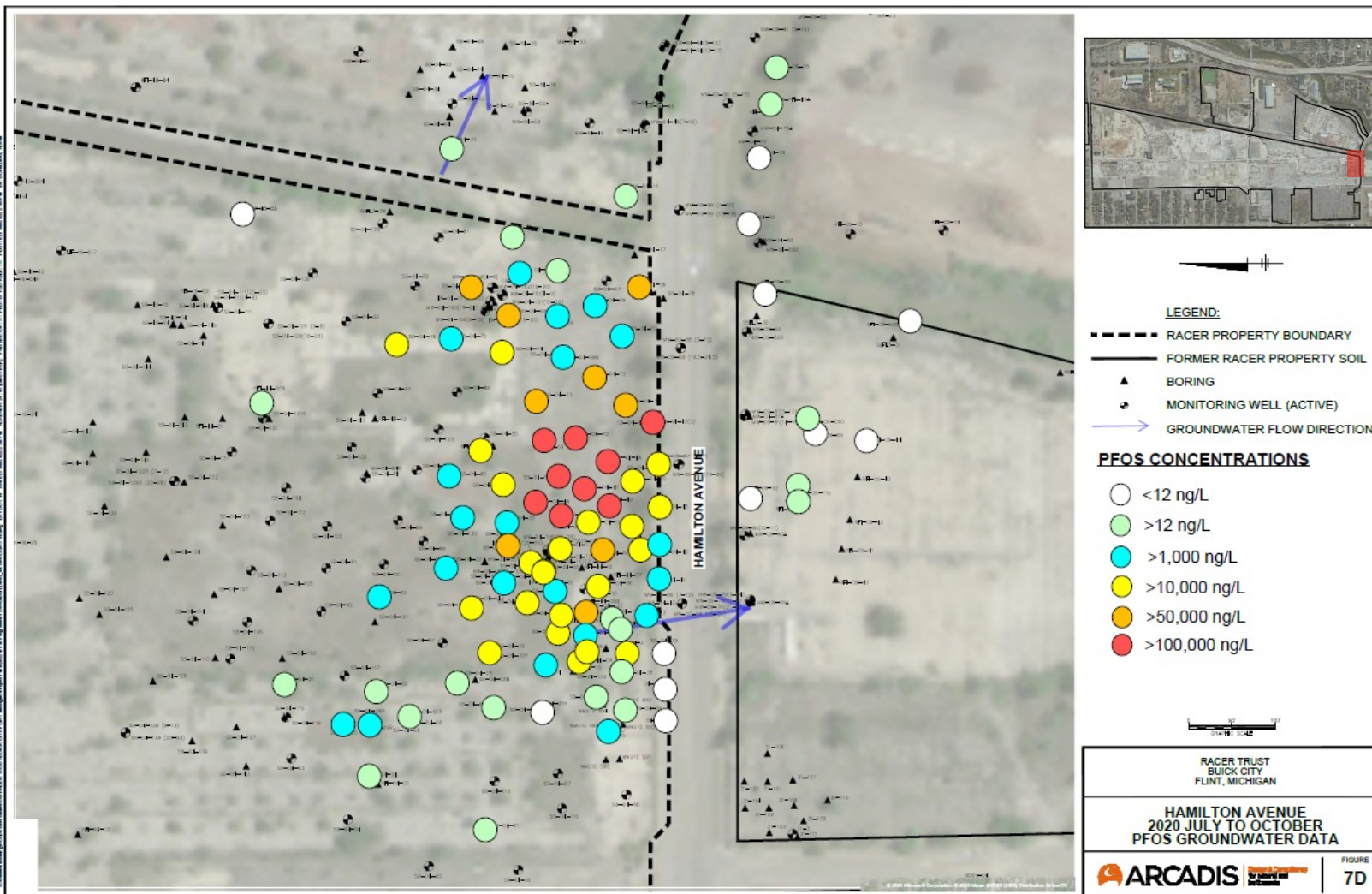


15 July 2022

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Hamilton Ave Area

July – October 2020 PFOS Groundwater Data

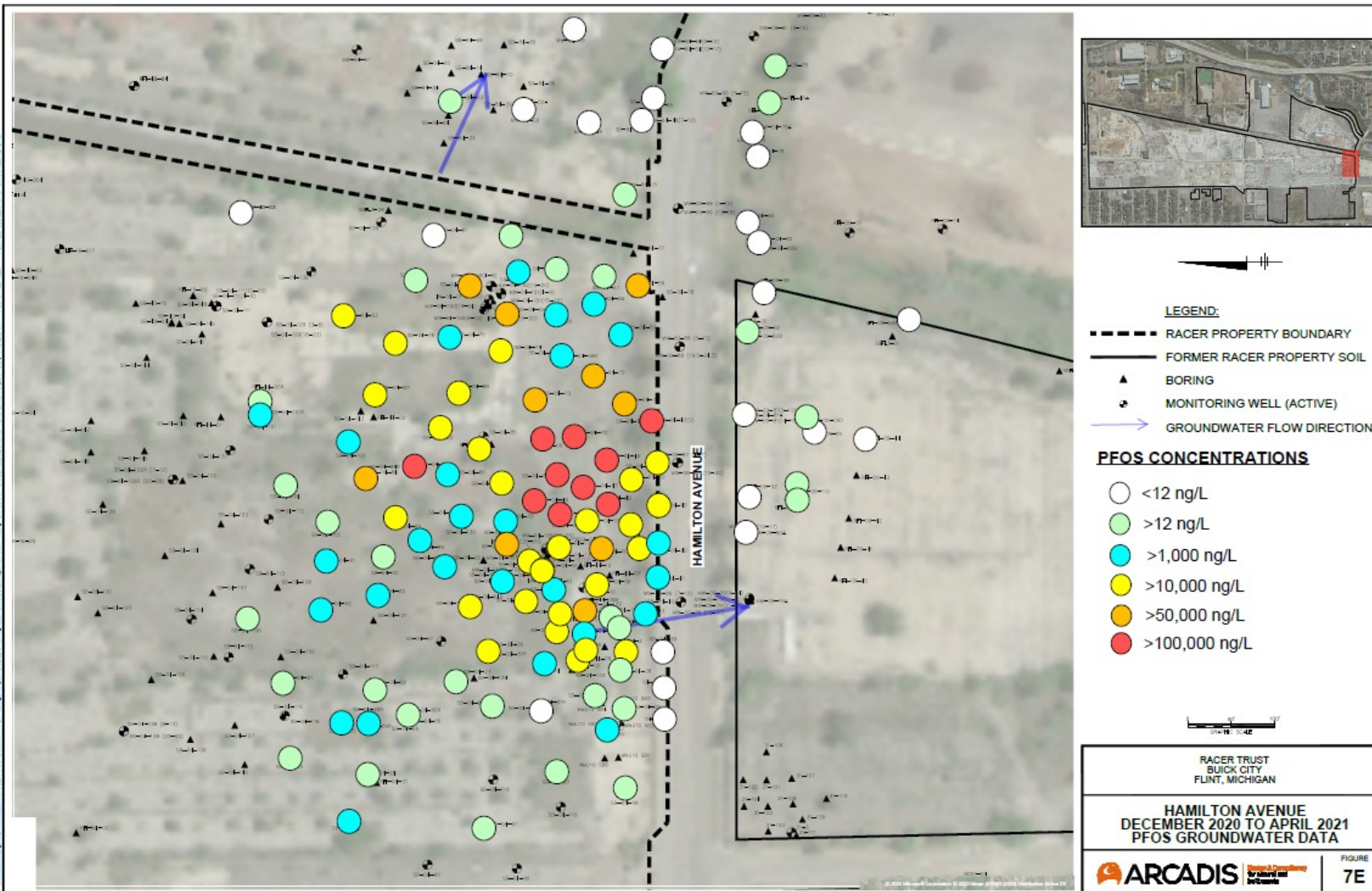


15 July 2022

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Hamilton Ave Area

December 2020 – April
2021
PFOS Groundwater
Data



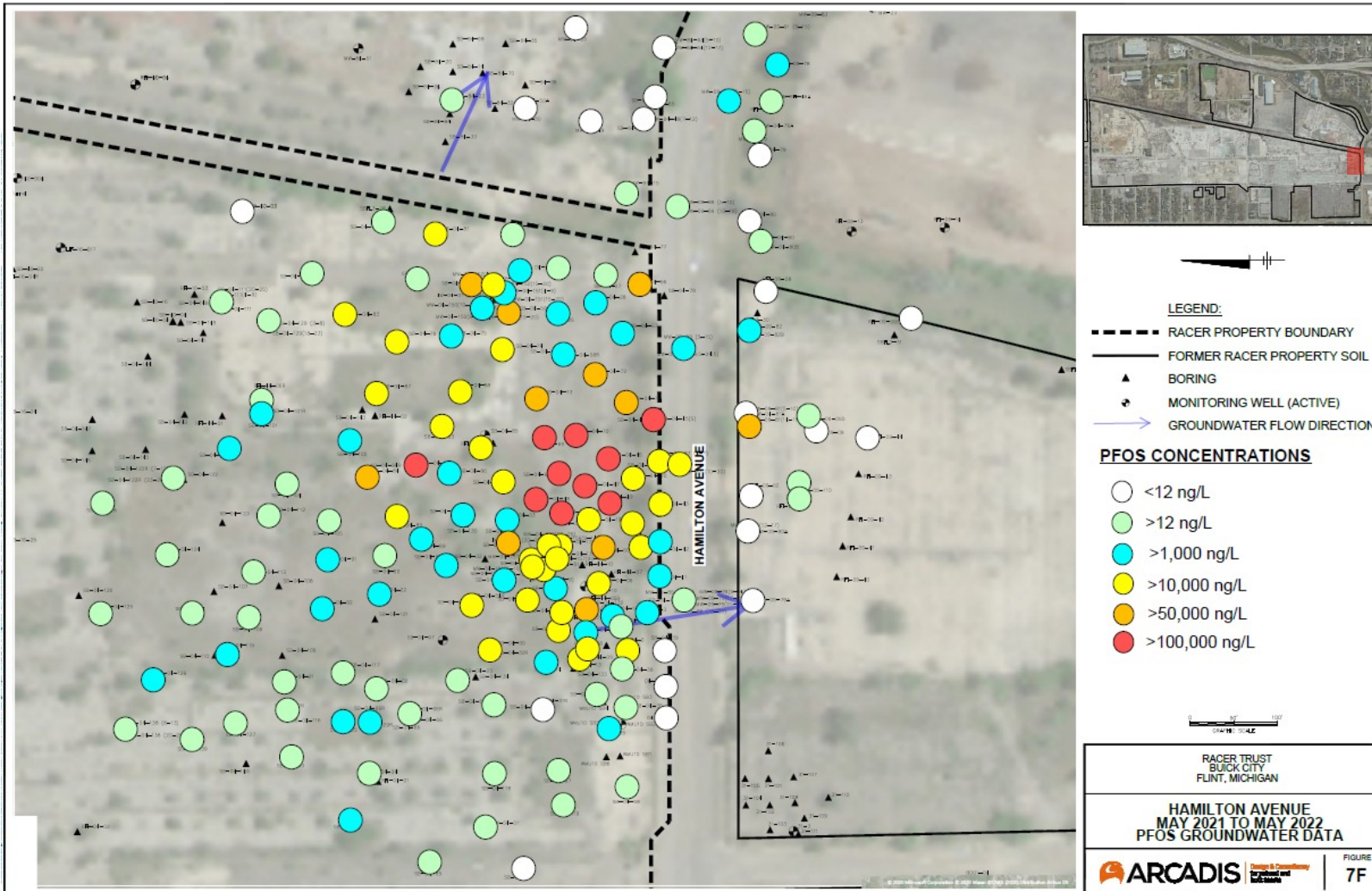
Hamilton Ave Area

May 2021 – May 2022 PFOS Groundwater Data

6 wells installed in
Hamilton Avenue

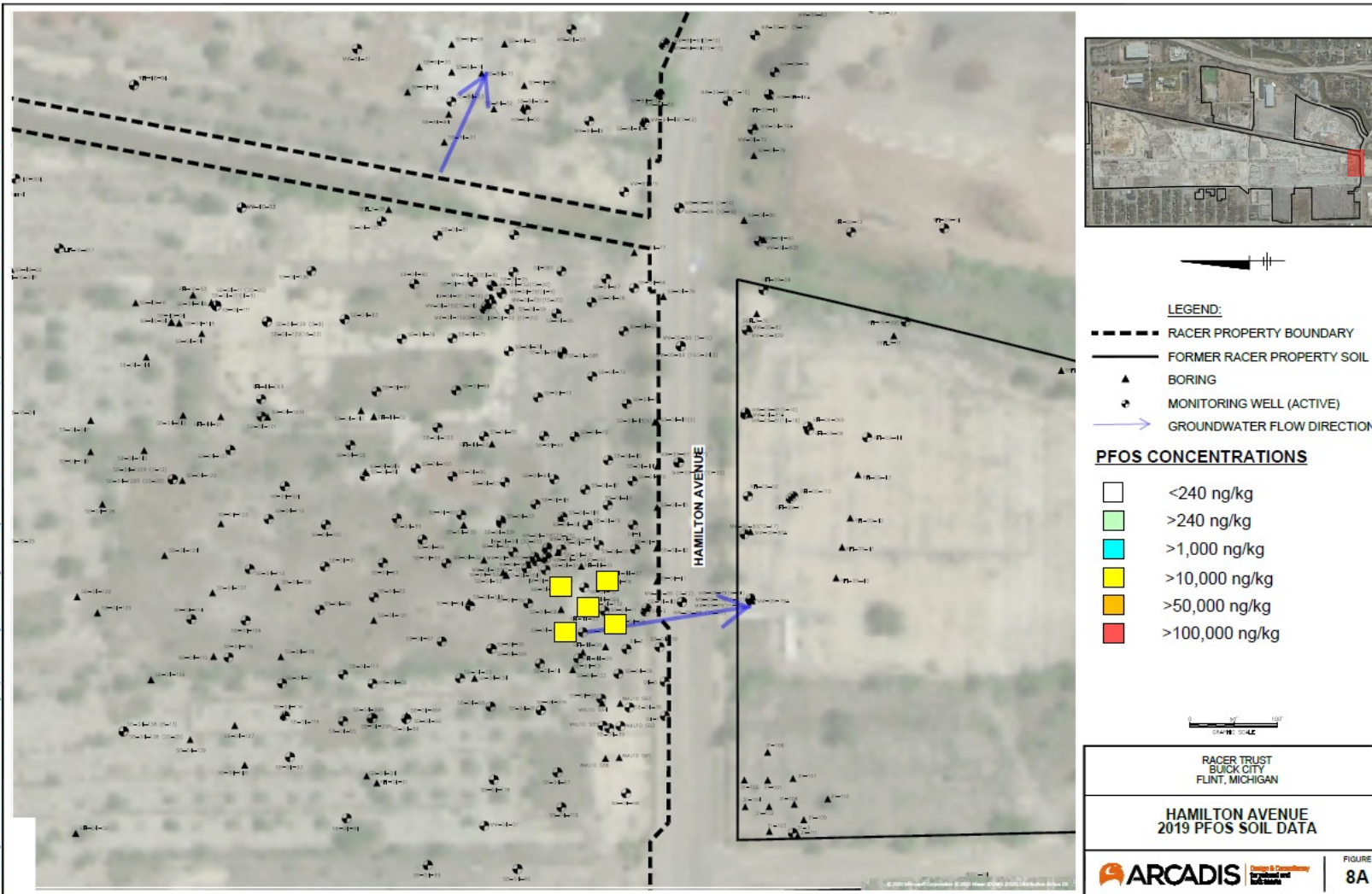
13 wells installed south
of Hamilton Avenue

22 wells installed to the
northwest for additional
delineation



Hamilton Ave Area

2019 PFOS Soil Data

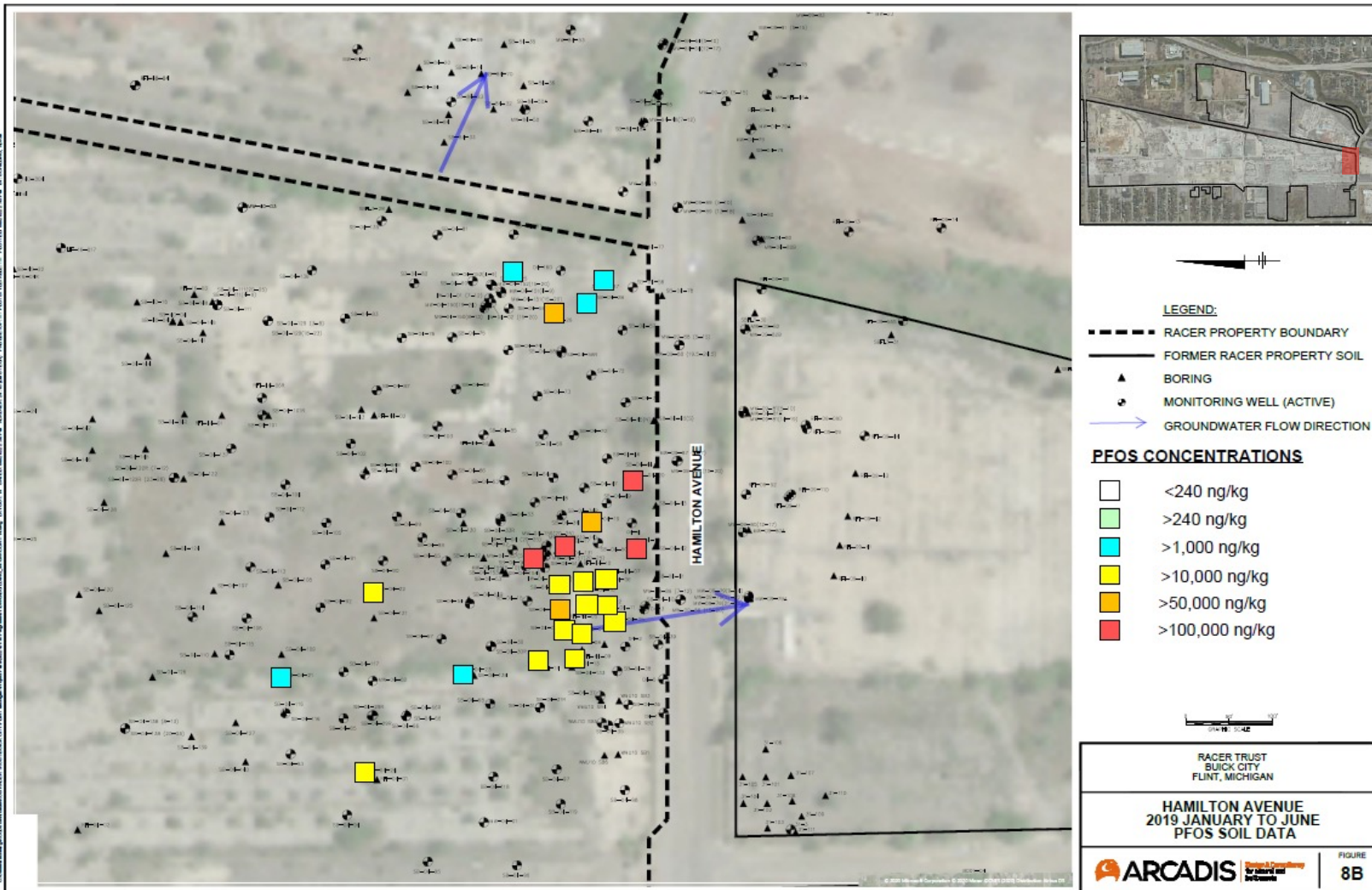


15 July 2022

22

Hamilton Ave Area

**January – June 2020
PFOS Soil Data**

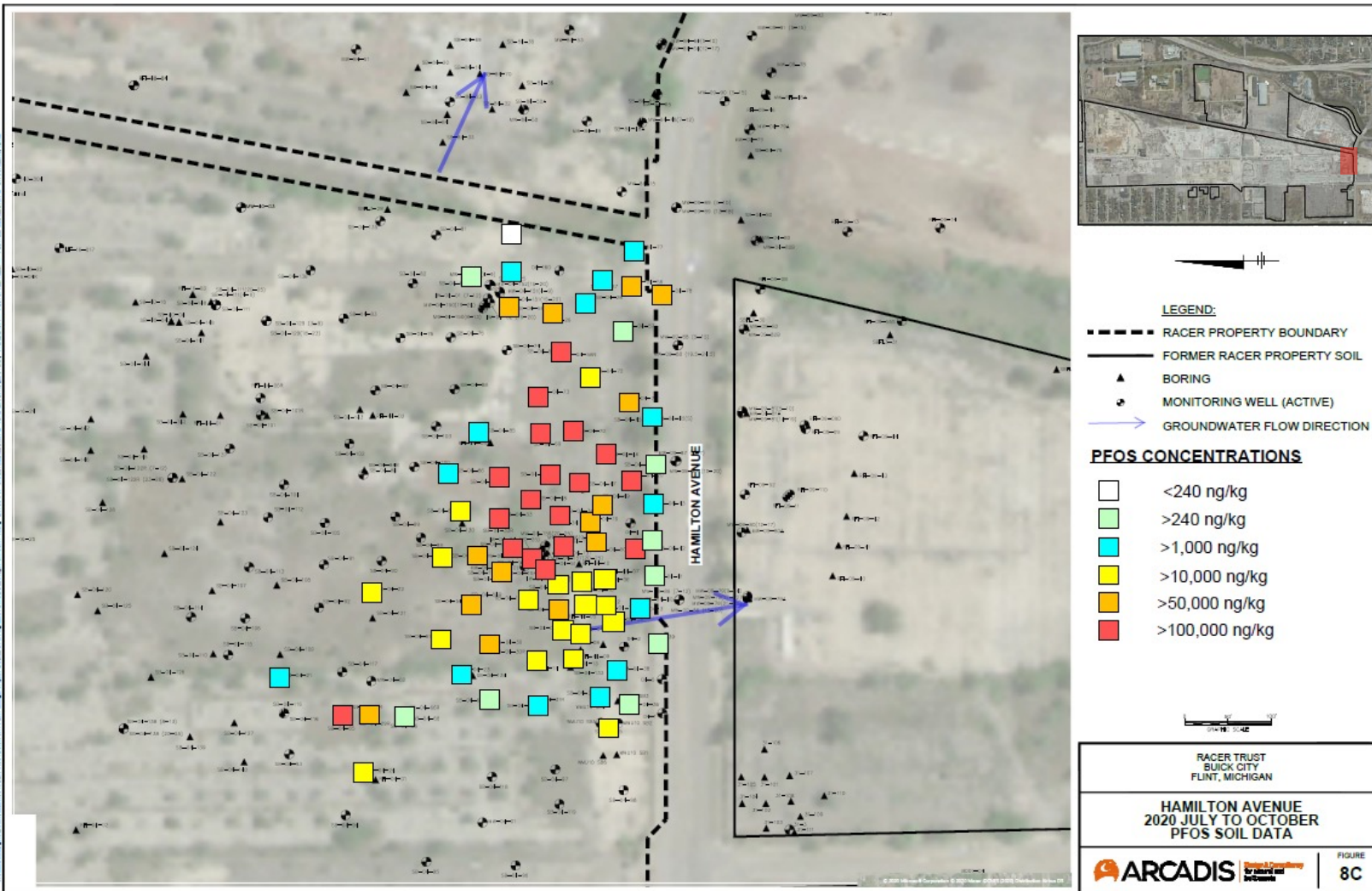


15 July 2022

23

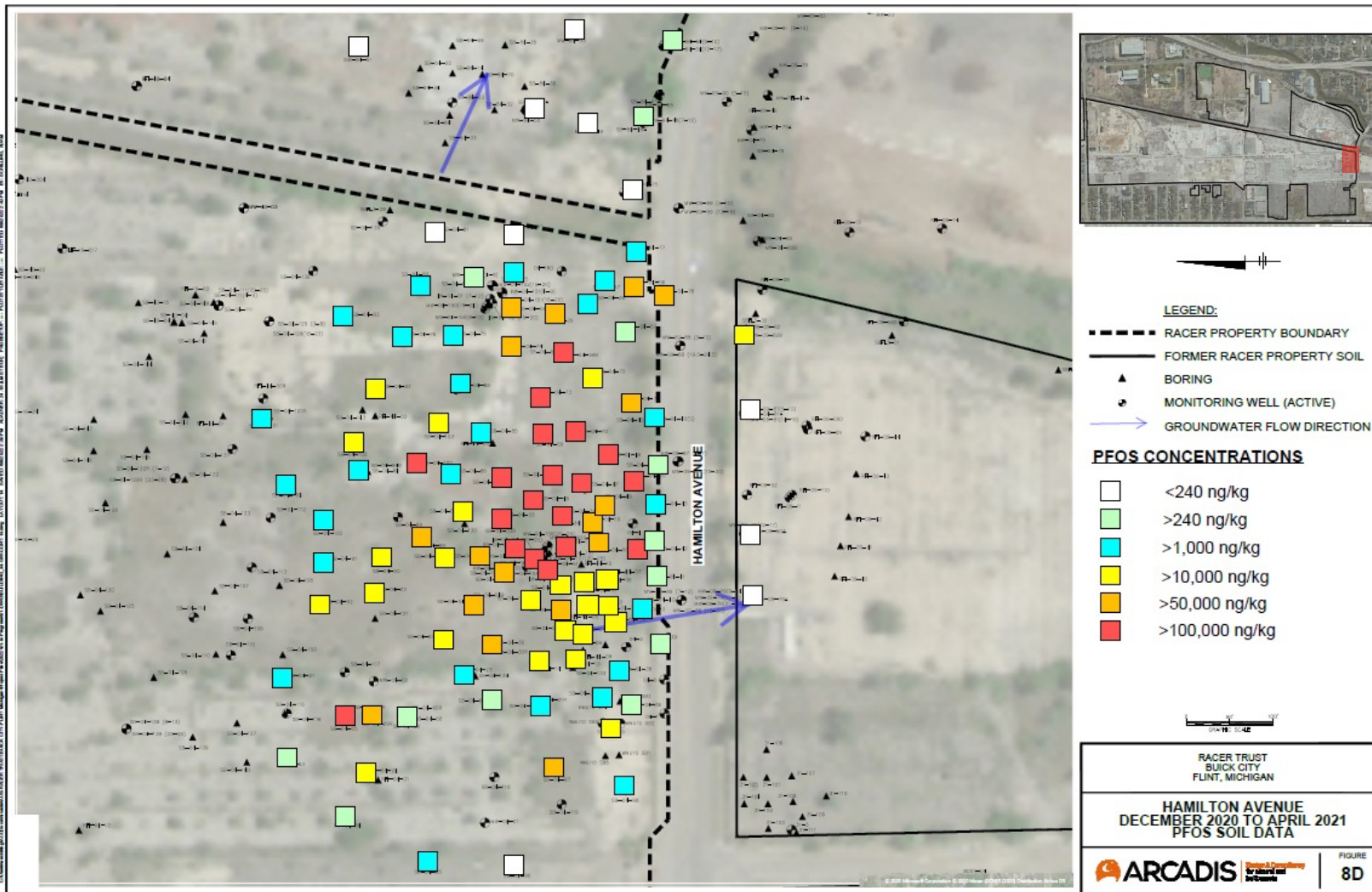
Hamilton Ave Area

July – October 2020 PFOS Soil Data



Hamilton Ave Area

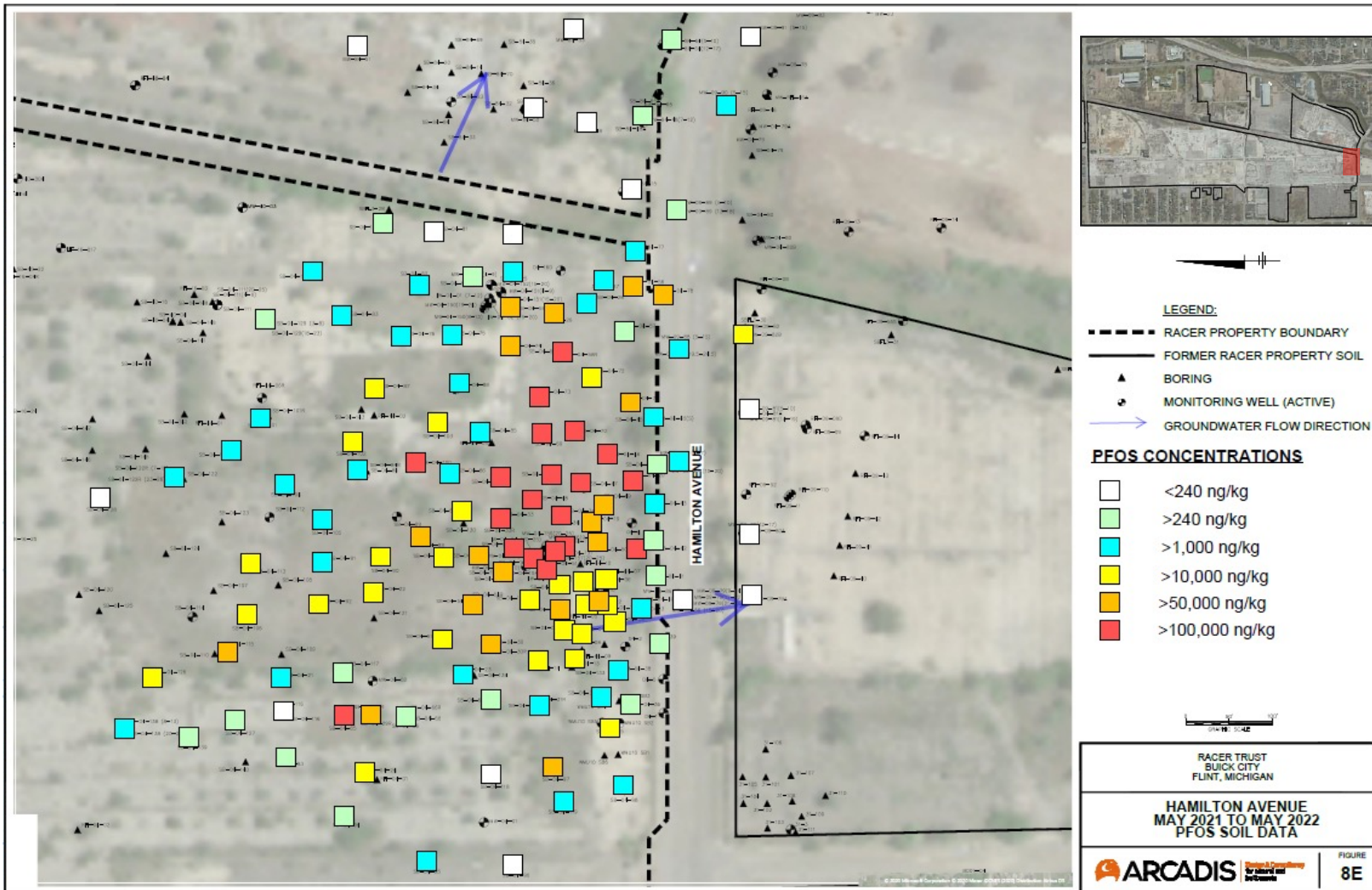
December 2020 – April
2021
PFOS Soil Data



15 July 2022

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Hamilton Ave Area

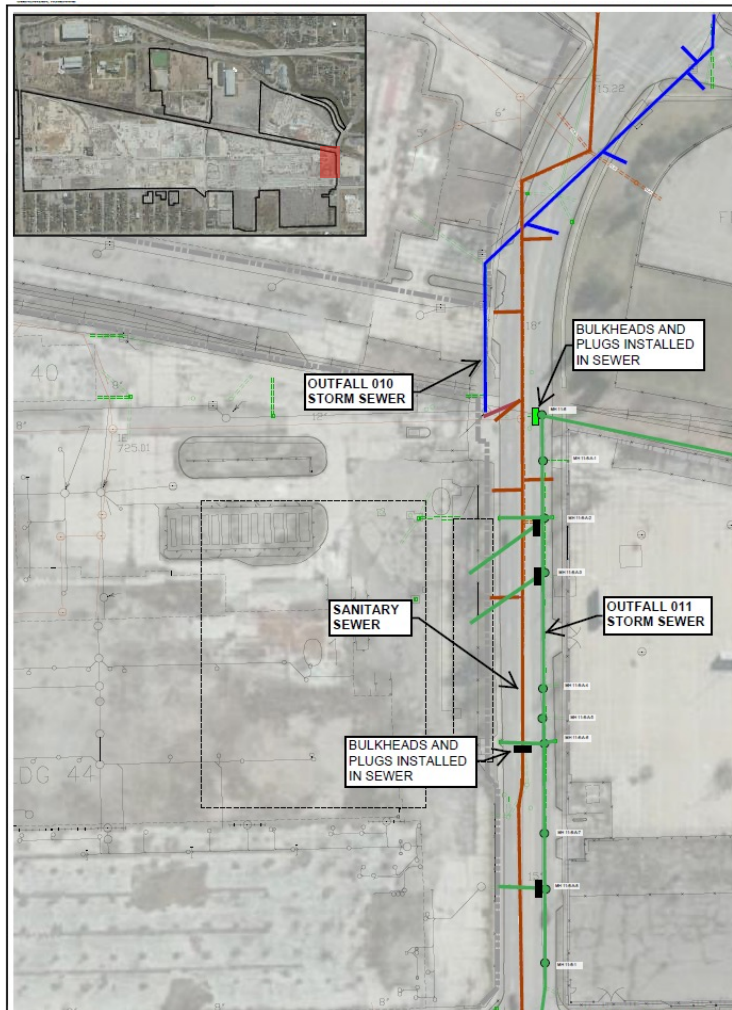


**May 2021 – May 2022
PFOS Soil Data**

10 borings installed south
of Hamilton Avenue

17 borings installed to
the northwest for
additional delineation

Hamilton Avenue – Outfall 010 and 011 Storm Sewers



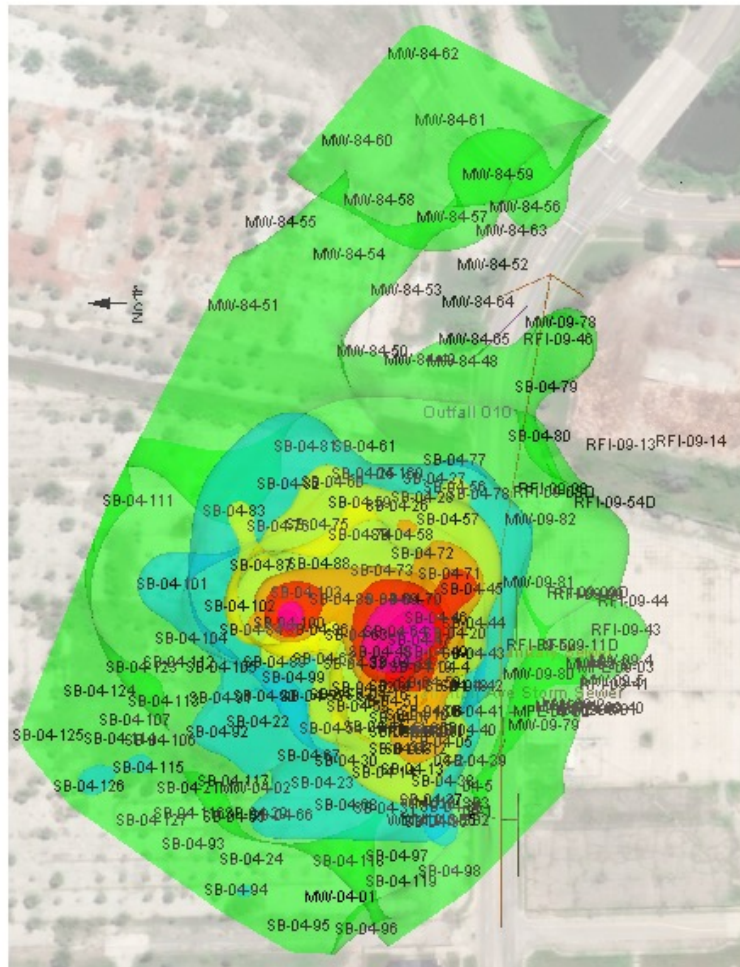
Outfall 010

- Bulkhead installation completed in September 2021 to eliminate contributions from the Site.
- Before bulkhead installation PFOS concentrations ranged from 1,500 ng/L to 3,000 ng/L.
- Most recent sample indicates PFOS concentration at 550 ng/L in April 2022.

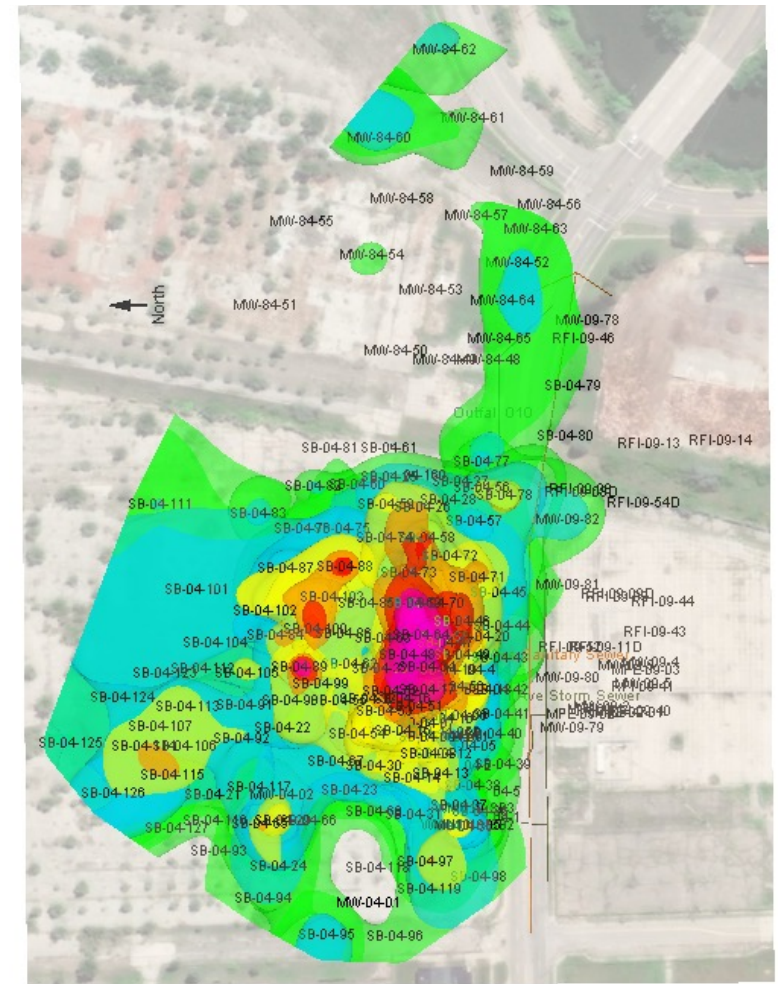
Outfall 011

- Permanent bulkheads installed in December 2021 to eliminate contributions from the Site.
- Most recent samples indicate groundwater is still entering the Outfall 011 storm sewer.
- Additional work is planned to address sewer lines and manholes servicing the road.

Hamilton Ave Area 3-D Model, Sept 2021



PFOS in Groundwater

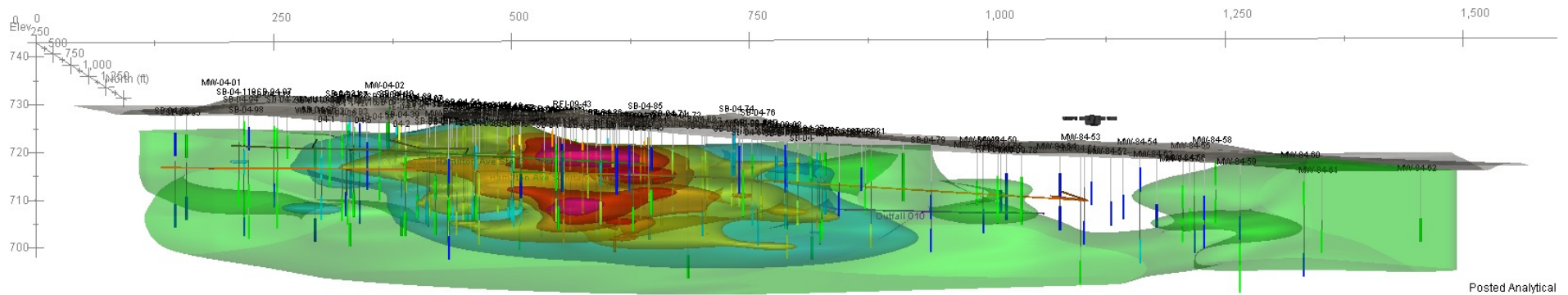


PFOS in Soil

5 July 2022

28

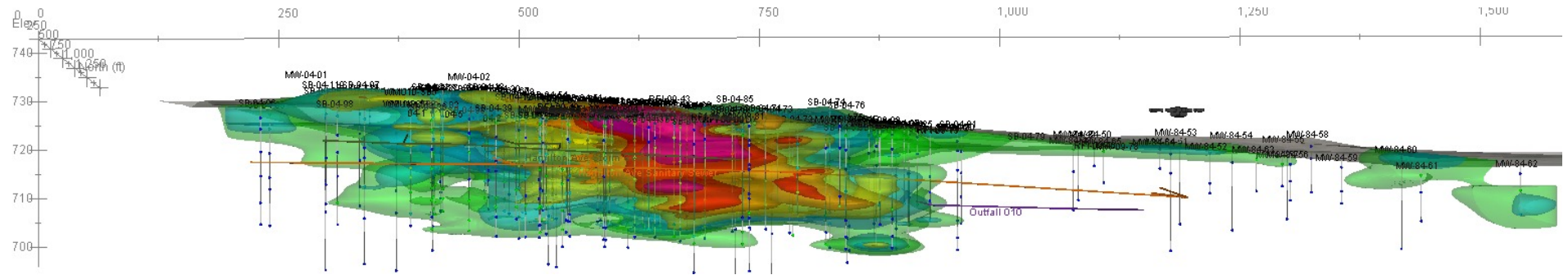
Hamilton Ave Area 3-D Model



W

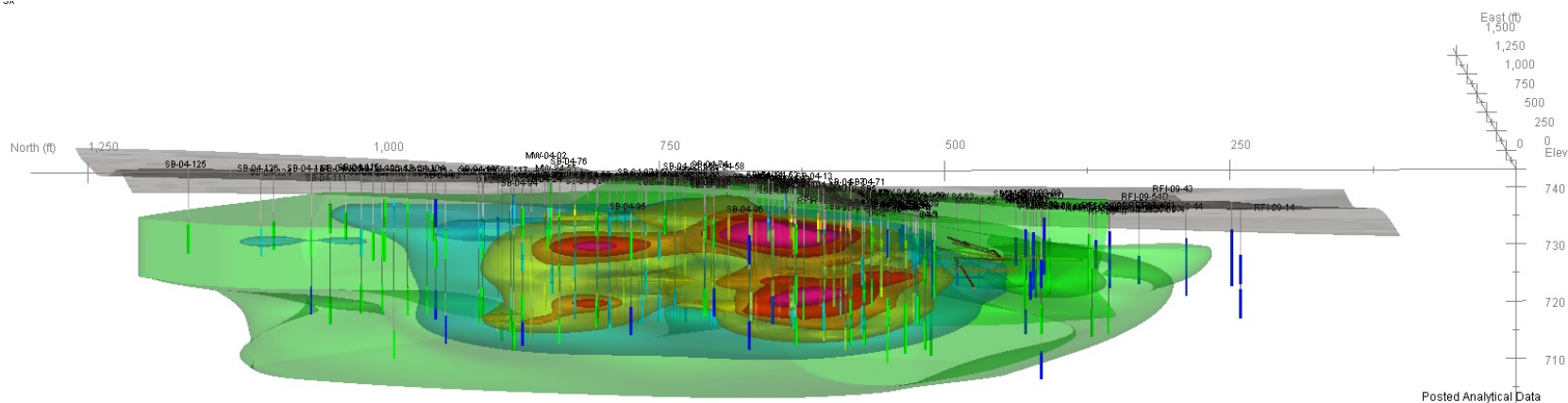
PFOS in Groundwater

E

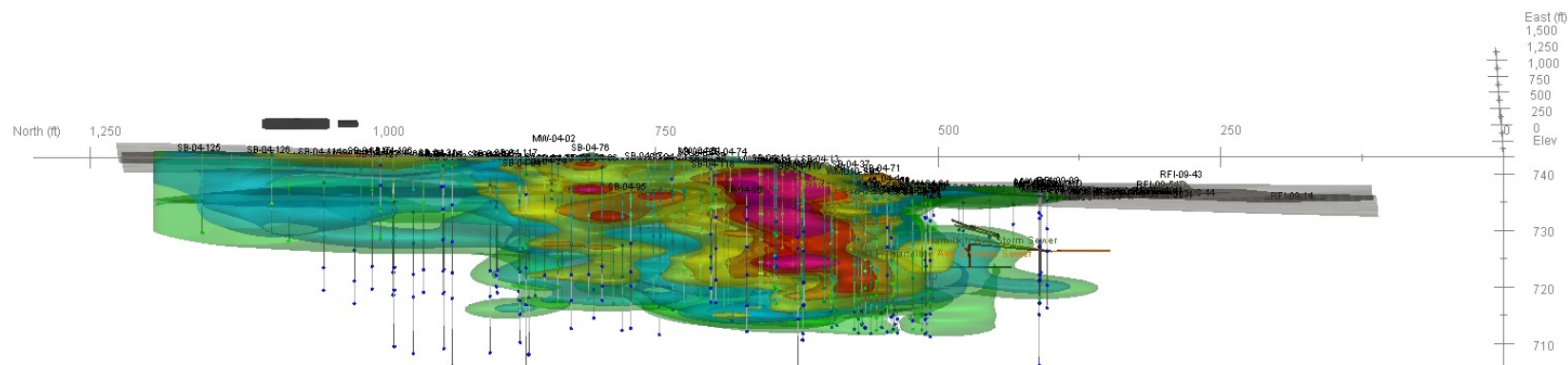


PFOS in Soil

Hamilton Ave Area 3-D Model

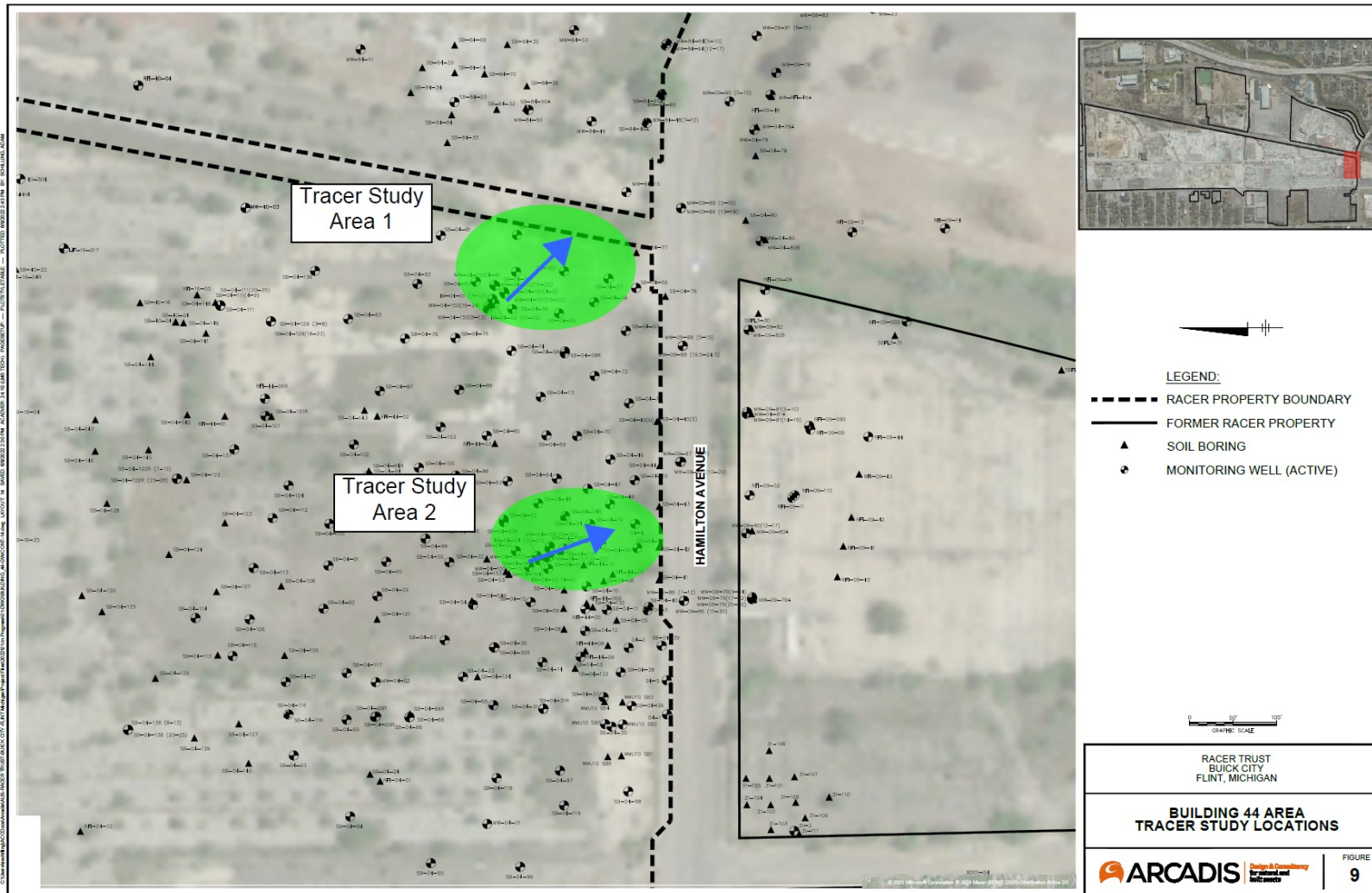


PFOS in Groundwater



PFOS in Soil

Tracer Study

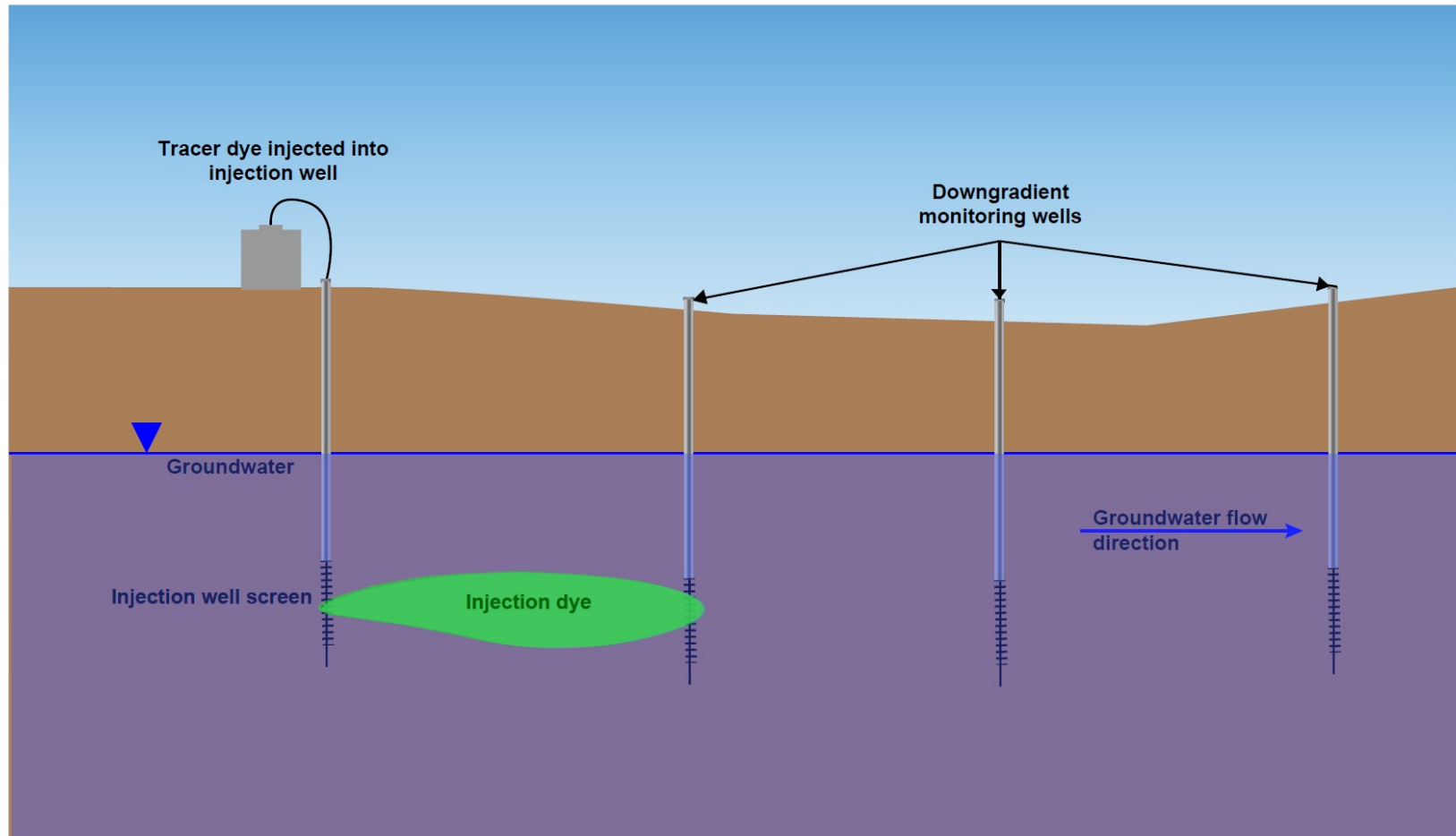


The tracer study is being conducted to evaluate the speed and direction of groundwater flowing in two areas near Hamilton Avenue.

Three different dye colors (green, orange and yellow) will be used in the tracer study.

Downgradient monitoring wells will be monitored for the presence of dye over the course of several months to better understand how groundwater moves in this area.

Conceptual Tracer Study Cross Section



PFAS Next Steps – Remedial Technologies

Soil

- Stabilization in place – reduces potential for soil to leach PFAS
 - Chemical fixation
 - Encapsulation
- Soil washing and water treatment
- Containment – slurry wall
- On-site treatment and disposal in approved containment unit (concrete vault, landfill liner)
- Off-site disposal
- Bioremediation potential

Water

- Granular activated carbon
- Anion exchange resins
- Absorptive media
- Fractionation
- Membrane filtration
 - Nanofiltration/ultrafiltration
 - Reverse osmosis
- Bioremediation potential

Research and Work to Find Solutions

- PFAS in drinking water has been the primary focus of scientists and agencies
- We have only encountered 1 site in Michigan with a drinking water well issue
 - At our Coldwater Road site we worked with County Health officials and installed an in-home treatment system
- Surface water impacts are the next most important areas for PFAS
- As our summary shows, we continue to work hard to understand and address PFAS in groundwater and surface water
- A great deal of research is going on to find technology to address PFAS
- 3 weeks ago we identified a method that might destroy PFAS with micro-organisms (bacteria) – we are following field work in Alpena this fall.

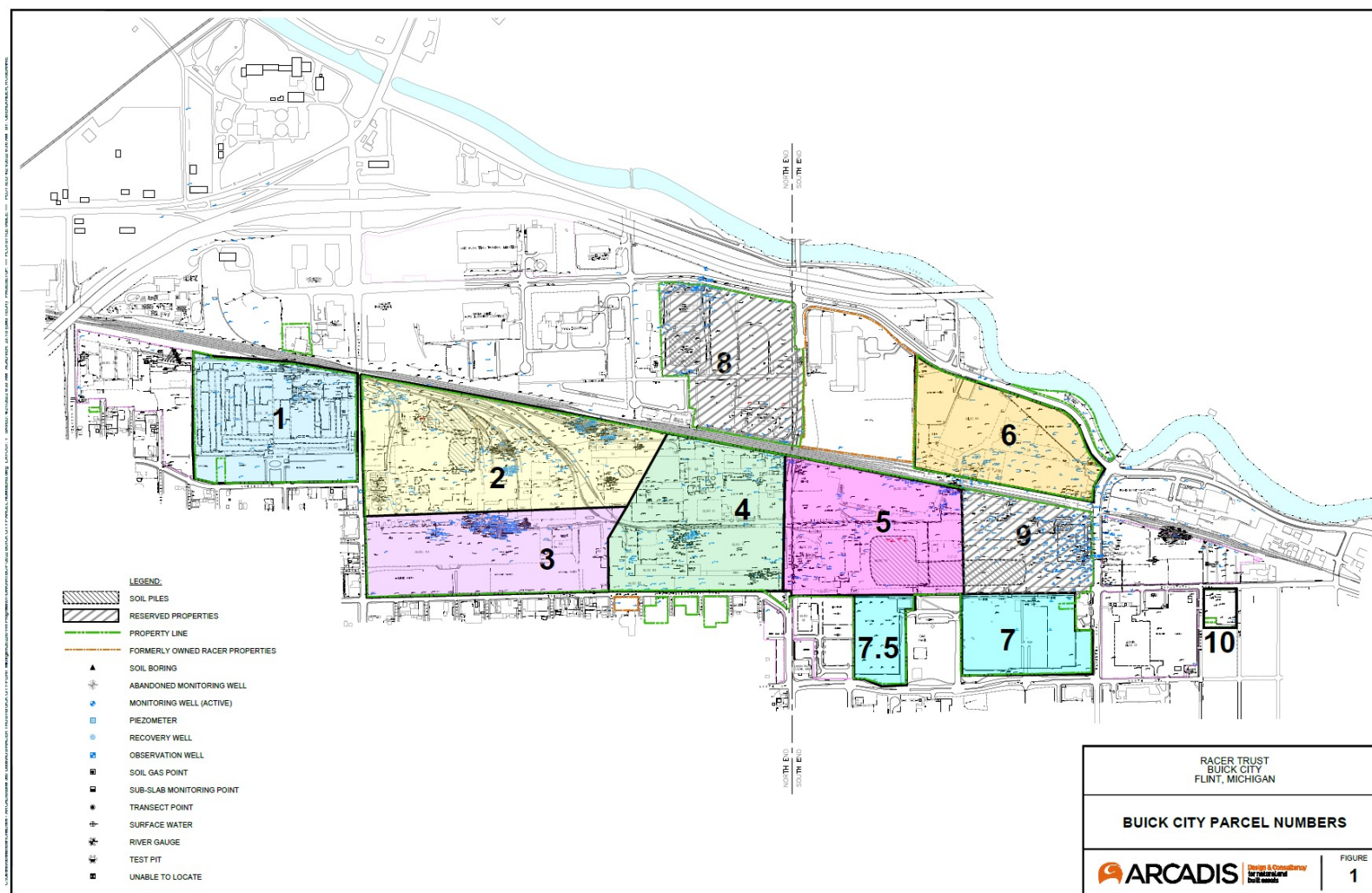
Research on PFAS in the Air

- Some national research has found PFAS in small amounts almost everywhere – including in the UP
- National studies have shown PFAS can be dispersed in the air at plants where PFAS was manufactured
- Based on the best available national research and site-specific data, airborne PFAS is not considered an issue at Buick City
- We continue to follow this research and if this information changes, we will post a notice and include that information in our next update

Site Activities

- We have arranged to accept clean fill dirt from several road construction projects including I-69. These soils have been used for environmental remediation work and can be used to prepare building pads for new development.
- We have licensed portions of the site for vehicle parking and equipment storage and for an AJAX concrete batch plant in support of the I-69 reconstruction. Site improvements to support those activities have been provided by the licensees.
- We have installed plugs in the storm and sanitary sewers to eliminate Site contributions to the sewer system and Flint River.
- We continue to evaluate surface impacts at the Site. Surface covers have been installed over several impacted soil areas.
- We have defined an area for the excavation of PCB impacted soils. The soil removal is expected to be completed this summer.

Parcel Areas



Redevelopment

- RACER has positioned its Buick City property to capture a significant economic development opportunity, in terms of new investment, tax revenues and jobs, for the City of Flint and the Flint region.
- RACER has signed an agreement to sell the remaining 352 acres to Ashley Capital – an experienced and well qualified developer who we have worked with before, most recently in Livonia.
- We are working hard to provide information to Ashley Capital to help their analysis of this opportunity.
- If they are satisfied with this analysis, we are hopeful they will close within the coming months.
- If they purchase the remaining property, we will continue to perform our work to address the old contamination issues.