

**7<sup>th</sup> Street and Missouri Avenue  
Water Quality Assurance Revolving  
Fund (WQARF) Site  
Community Advisory Board (CAB)  
Presentation**

**October 11, 2023**

**Dr. Hazel Cox, Project Manager**

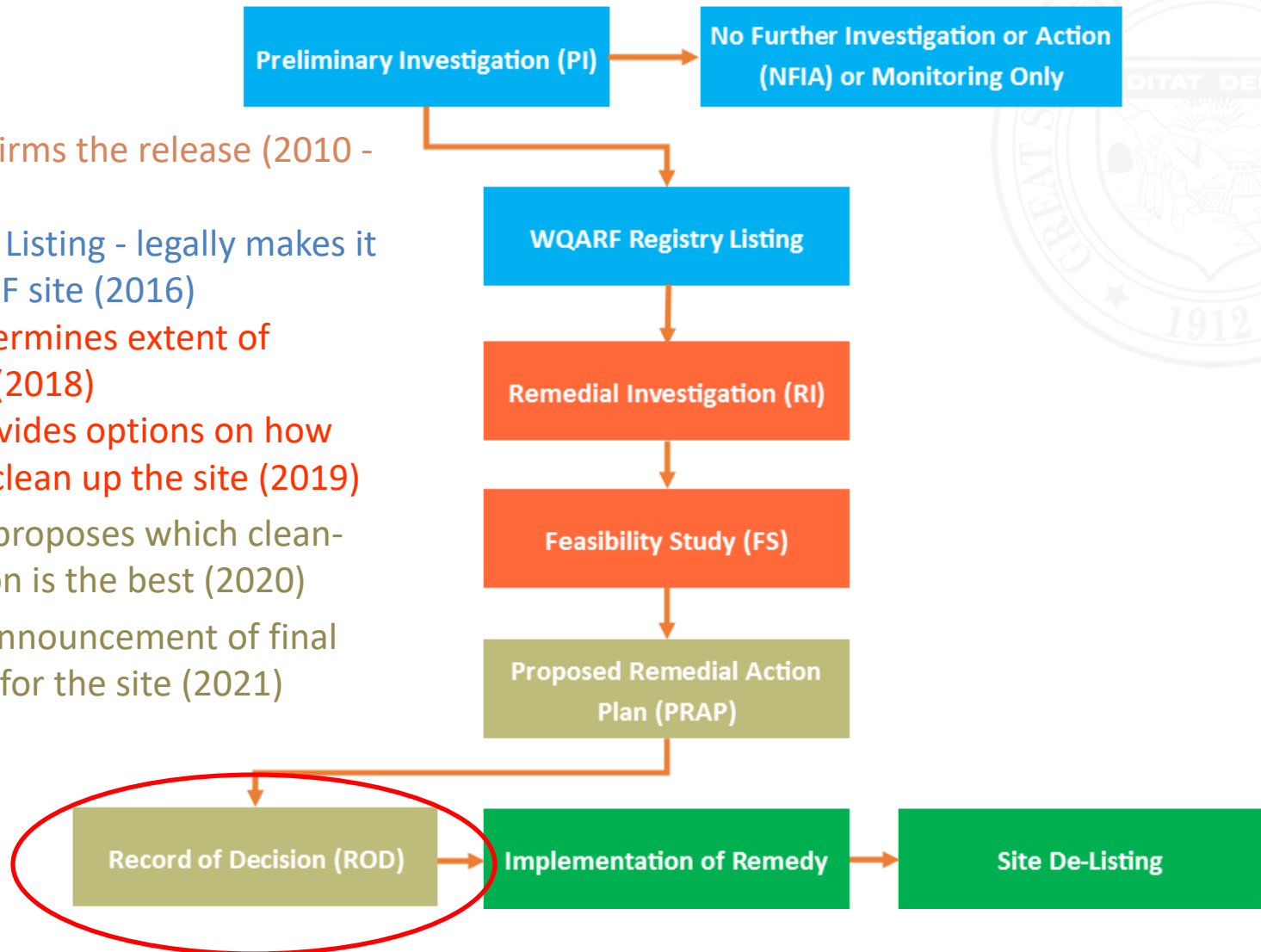


Clean Air, Safe Water,  
Healthy Land for Everyone

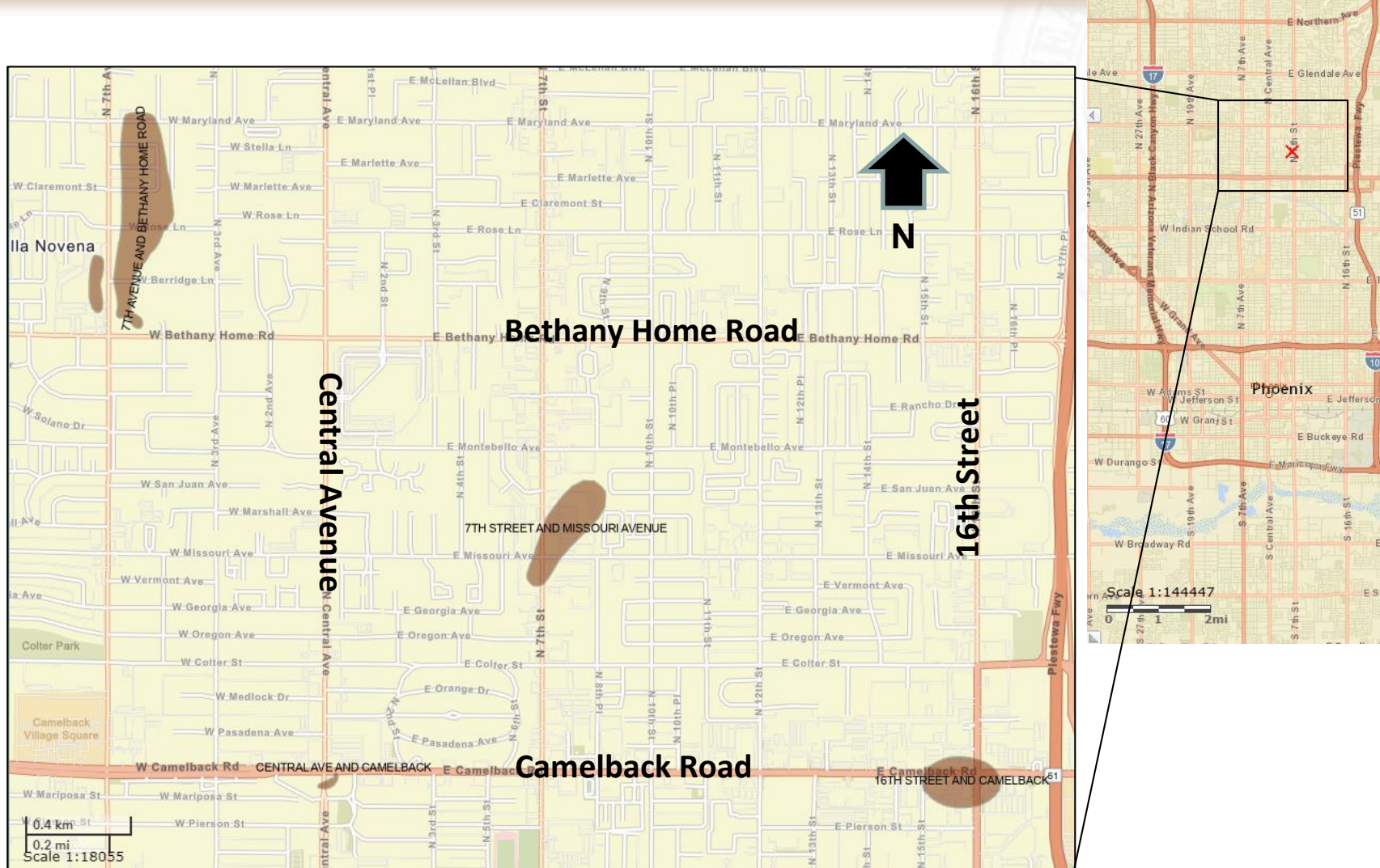


# Steps in WQARF

- PI - confirms the release (2010 - 2016)
- Registry Listing - legally makes it a WQARF site (2016)
- RI - determines extent of release (2018)
- FS - provides options on how best to clean up the site (2019)
- PRAP - proposes which clean-up option is the best (2020)
- ROD - announcement of final remedy for the site (2021)



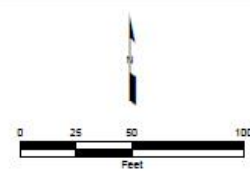
# 7th Street and Missouri Avenue Site Location





- Continued operation and maintenance of Soil Vapor Extraction (SVE) and ozone sparge systems
- Evaluated rebound tests on both the SVE and ozone sparging
- Conducted groundwater sampling
  - November 2022 (limited wells only)
  - May 2023

- Replaced ozone injection well OS-3 (new well OS-6)



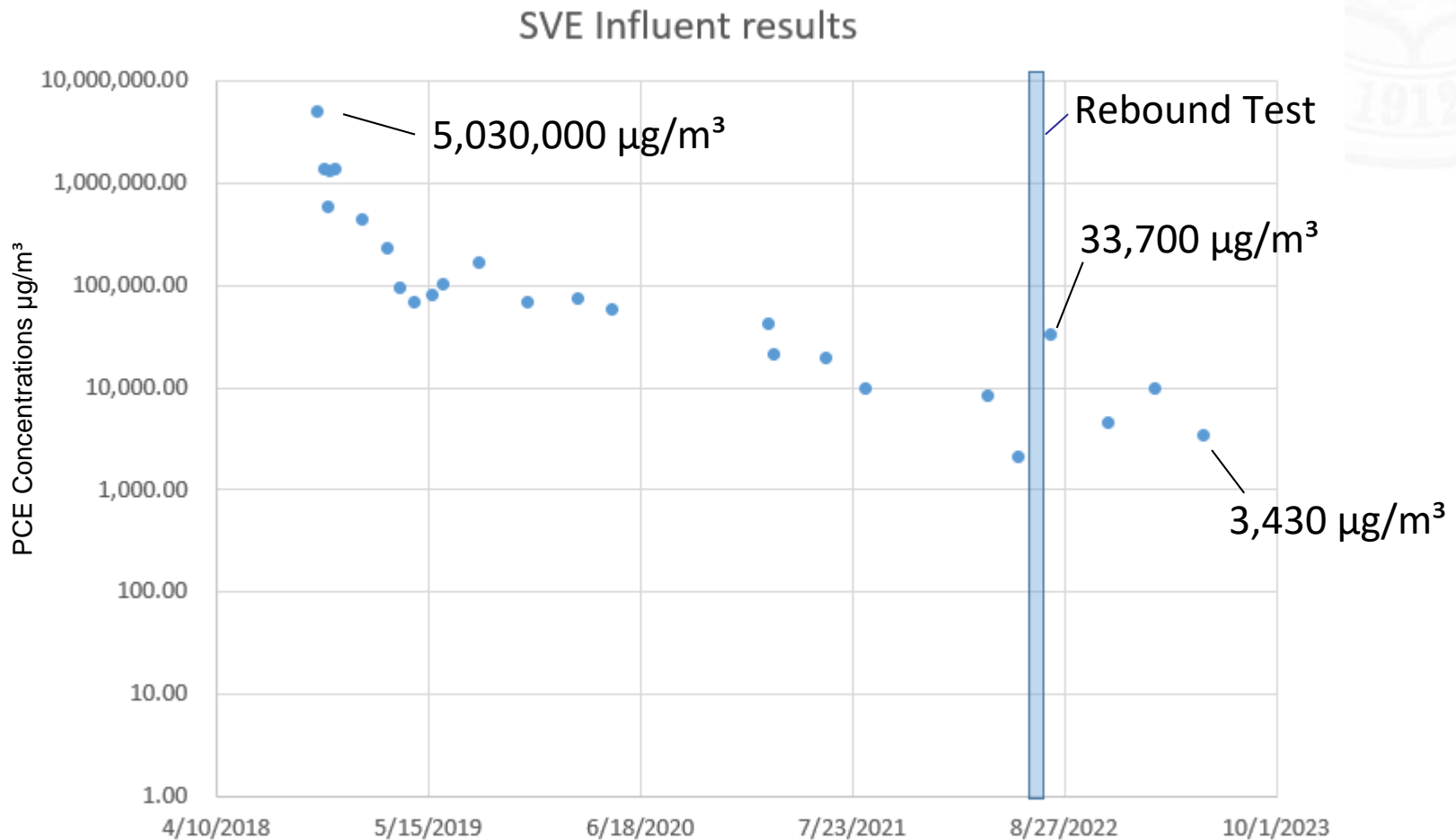
Ozone Sparge Injection System  
North 7th Street and East Missouri Avenue  
Phoenix, Arizona

**Geosyntec**  
consultants

Phoenix June 2023

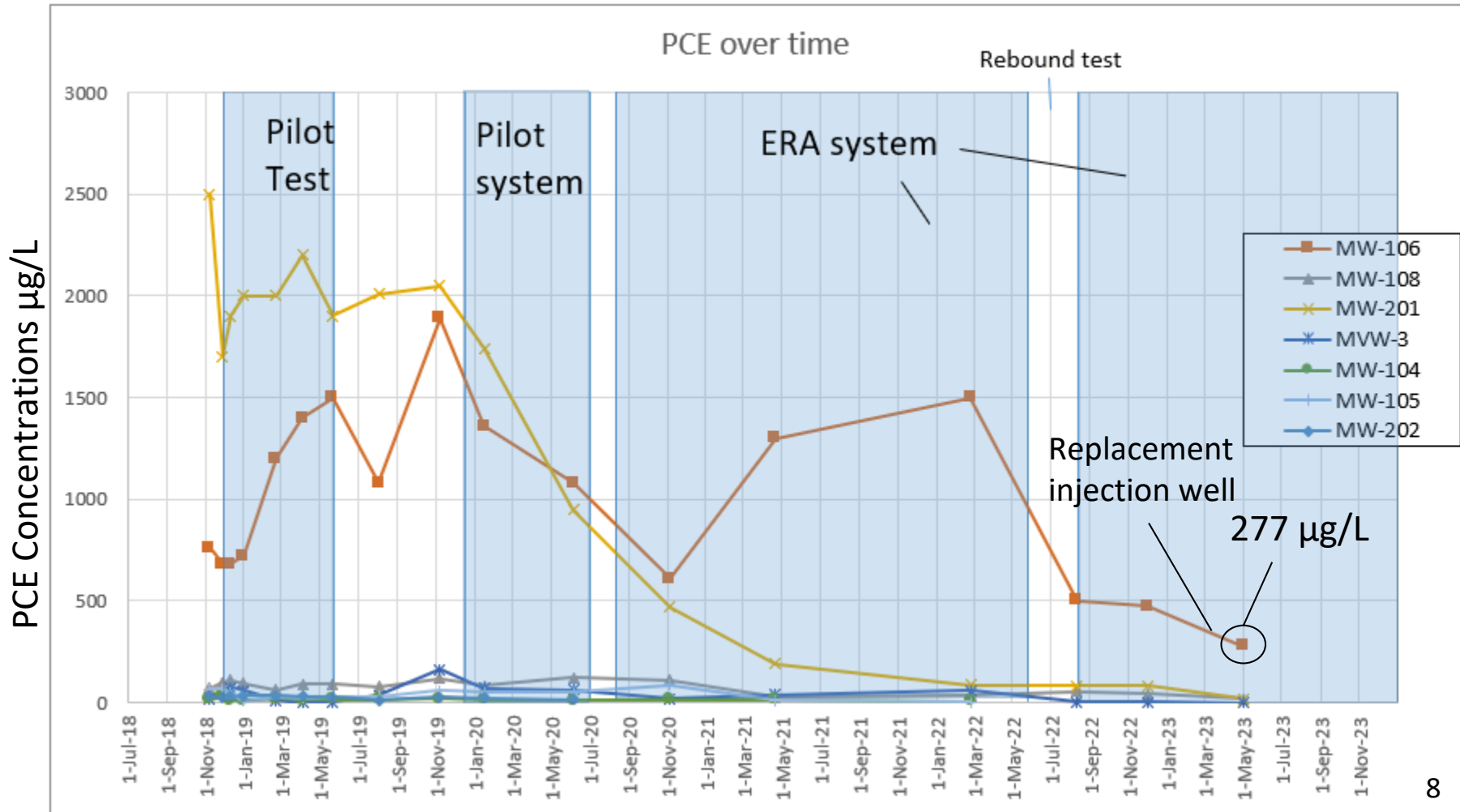
Figure  
**2**

- SVE system has removed approximately 1000 pounds (lbs) of tetrachloroethene (PCE) since October 2018



$\mu\text{g}/\text{m}^3$  = micrograms per cubic meter

- Current highest concentration at site is 277 micrograms per liter (ug/L).

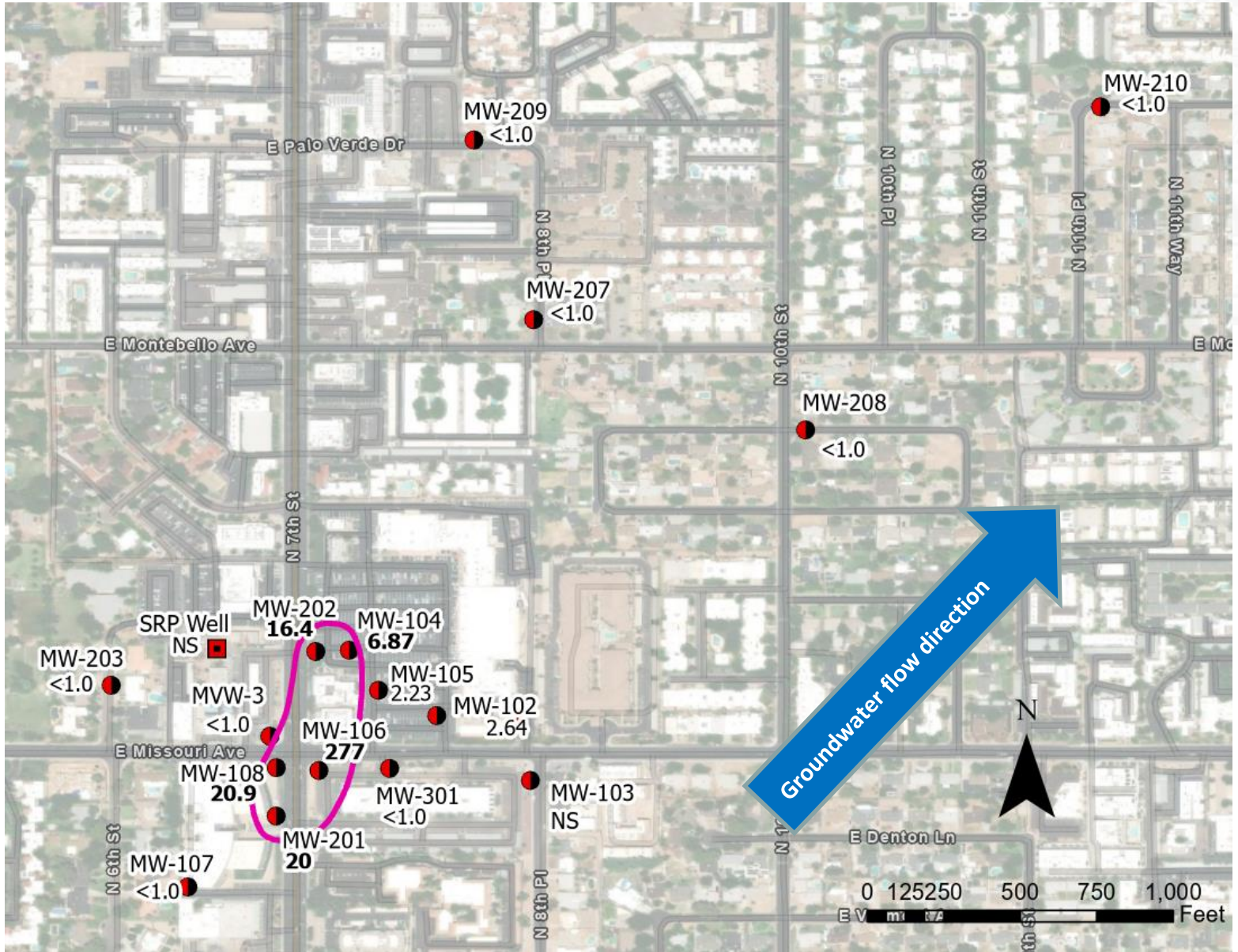




- PCE has decreased to 20 µg/L in well closest to source (MW-201)

Well	Pilot test start		ERA system start						
	November 2019	January 2020	June 2020	November 2020	April 2021	February 2022	August 2022	November 2022	May 2023
MW-201	2050 µg/L	1740 µg/L	950 µg/L	470 µg/L	190 µg/L	88 µg/L	81.4 µg/L	82.9 µg/L	20.0 µg/L
MW-106	1890 µg/L	1360 µg/L	1080 µg/L	610 µg/L	1300 µg/L	1500 µg/L	502 µg/L	472 µg/L	277 µg/L
MVW-3	162 µg/L	71.4 µg/L	63.9 µg/L	18 µg/L	40 µg/L	58 µg/L	1.87 µg/L	2.01 µg/L	<1.0 µg/L

# 7th Street and Missouri Avenue COC Concentrations – May 2023



All Results In  $\mu\text{g/L}$

- Sampling of SRP well
- Cycling of SVE wells/system
- Evaluation of ozone sparge completion





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Healthy Land for Everyone**

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## Contact us!

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