

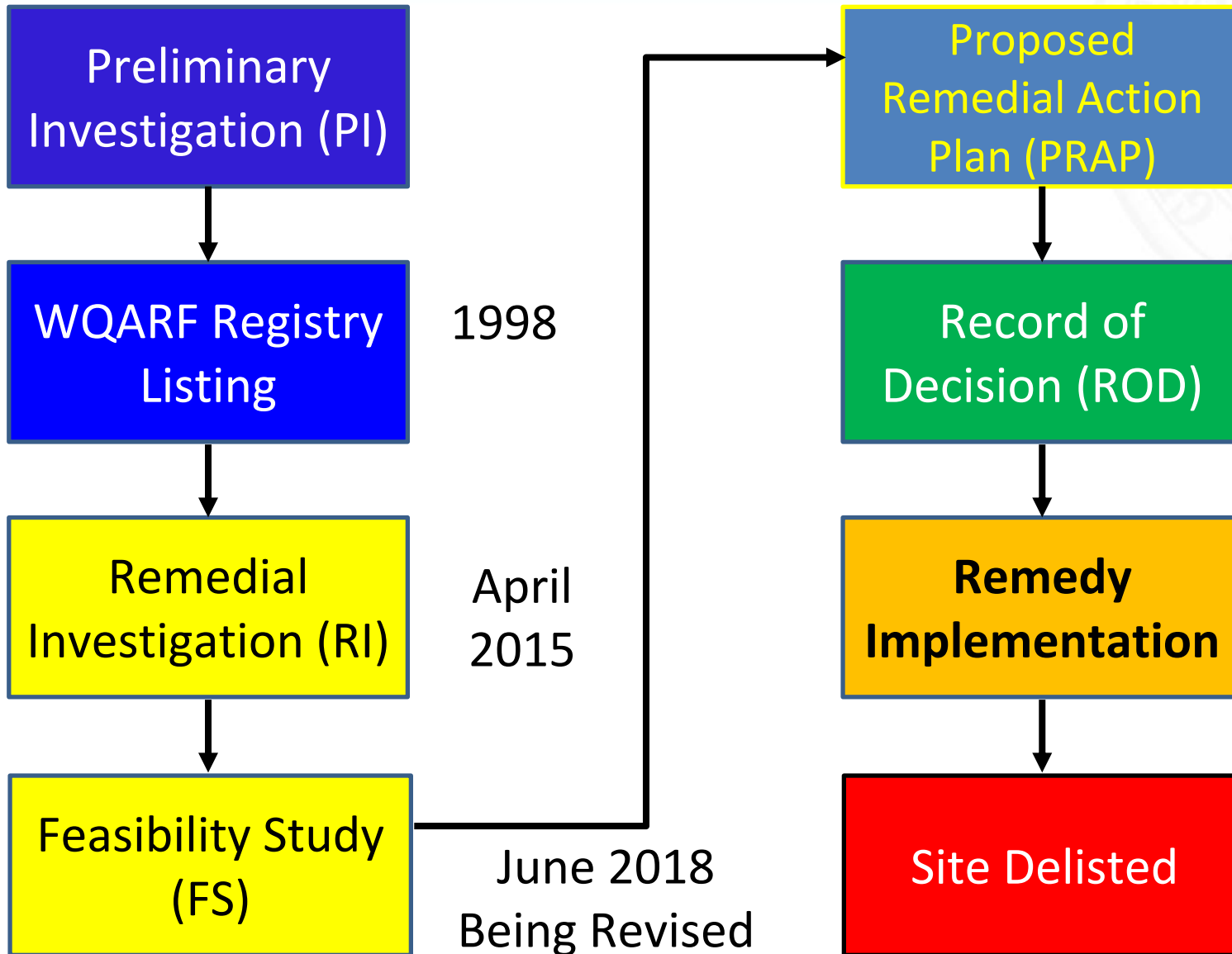
East Central Phoenix – 38th Street and Indian School Road Phoenix, AZ

Date: October 24, 2024

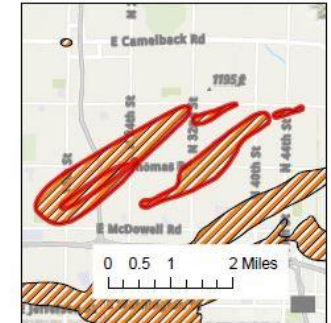
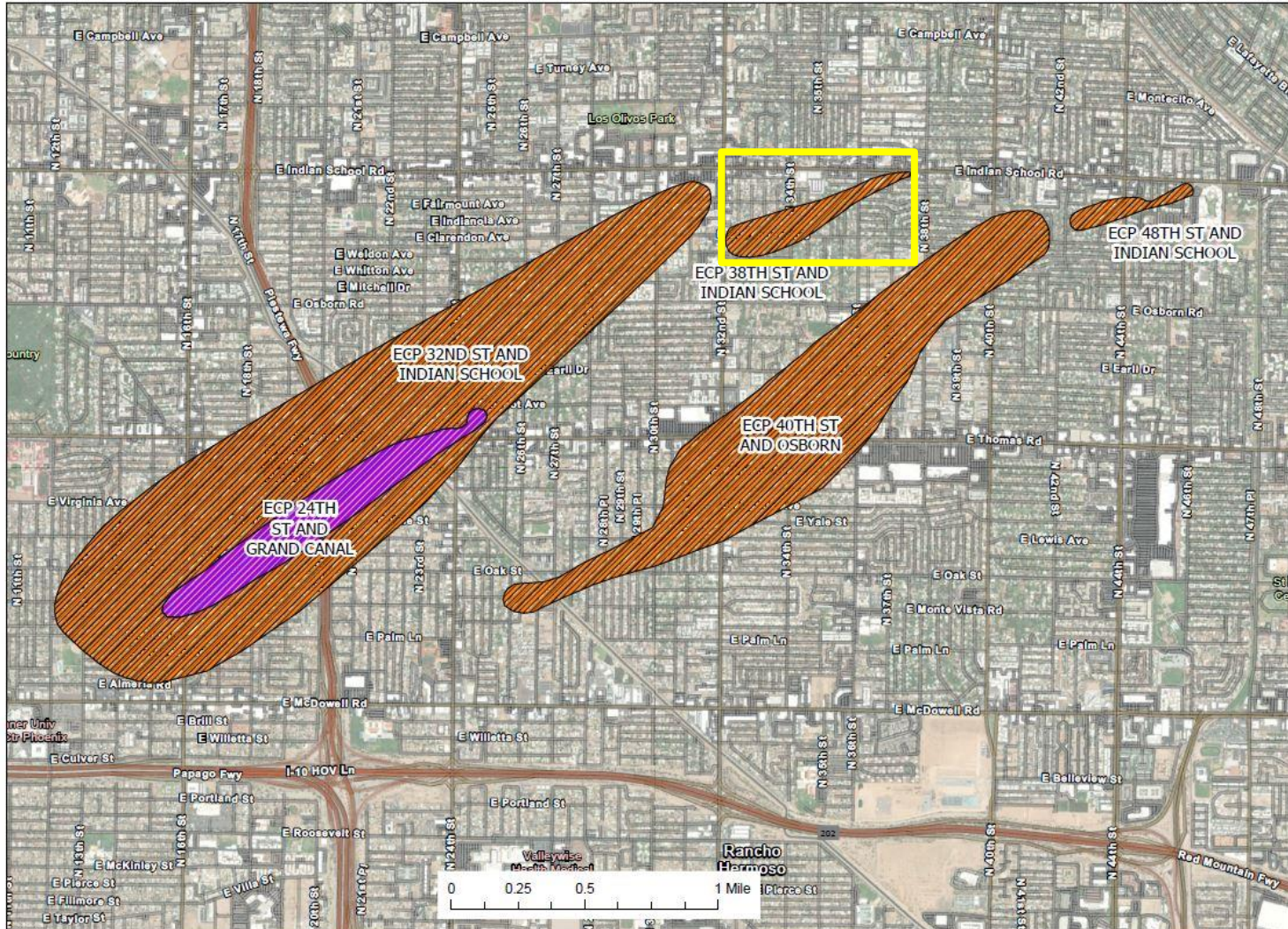
Project Manager: Adam Nagle



WQARF Process



East Central Phoenix WQARF Sites



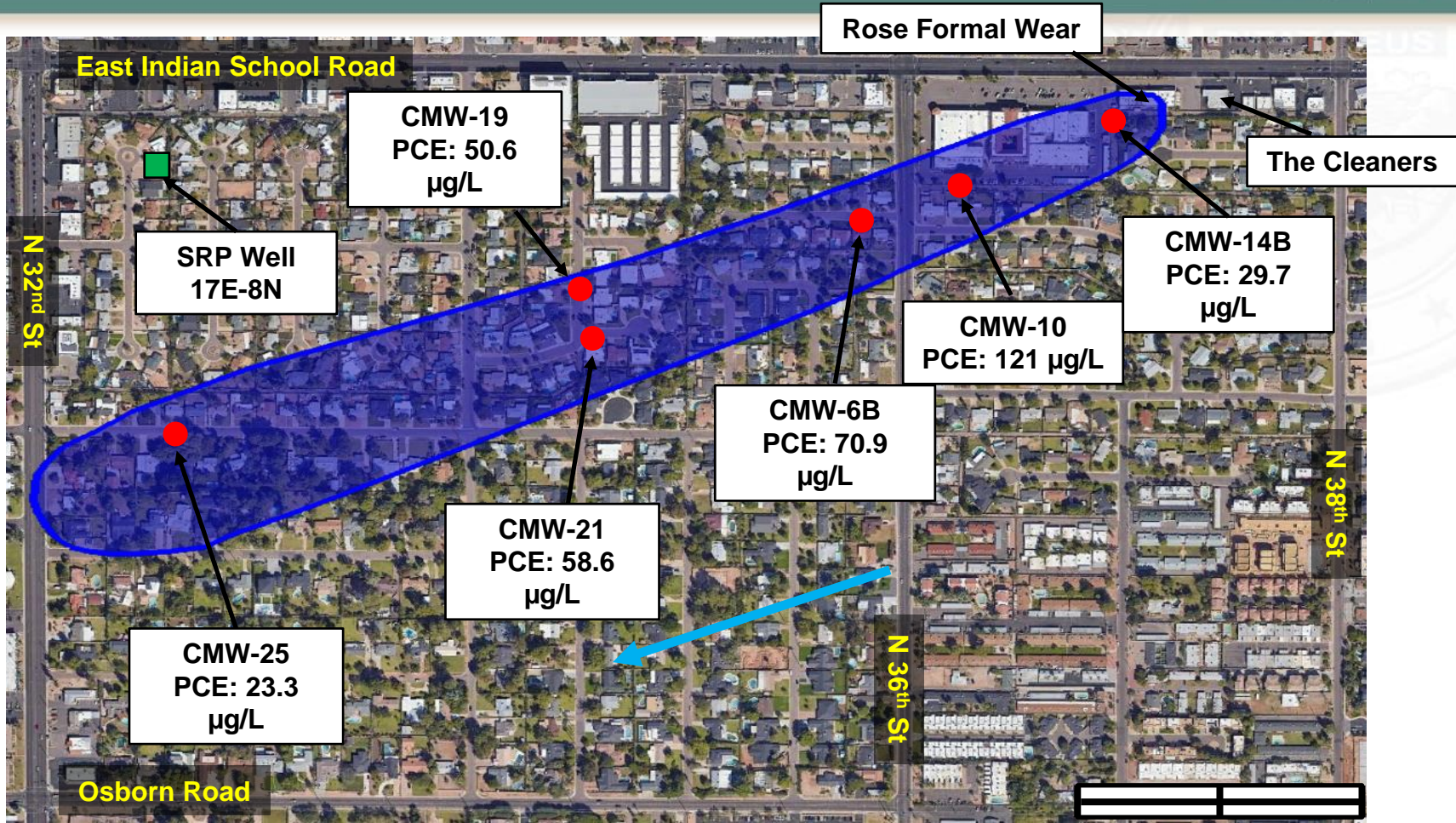
- 24th St Grand Canal Estimated Plume Boundary
- ECP Estimated Plume Boundary
- Counties

Plume boundaries depicted on the site map represent ADEQ's interpretation of data available at the time the map was constructed. The map is intended to provide the public with basic information as to the estimated geographic extent of known contamination as of the date of map production. The actual extent of contamination may be different. Therefore, the plume for this site may change in the future as new information becomes available.

- Contaminants of Concern = Tetrachloroethene (PCE)
- Source of Contamination = The Cleaners (1972 to 1995) and Rose Formal Wear (1982 to 1994)
- Current Impacted Media = Groundwater (soil contamination remediated by soil vapor extraction)
- Potential Receptors = Salt River Project water supply well (17E-8N)

- Currently performing semi-annual groundwater monitoring
- PCE Concentrations above Arizona Aquifer Water Quality Standard (AWQS) of 5 micrograms per Liter ($\mu\text{g}/\text{L}$) in March 2024 ranged from 7.66 to 121 $\mu\text{g}/\text{L}$
- PCE concentrations are decreasing or remaining stable in all monitoring wells
- Pump test conducted in December 2023 showed a hydraulic conductivity of 29 feet per day.

Groundwater Plume Map



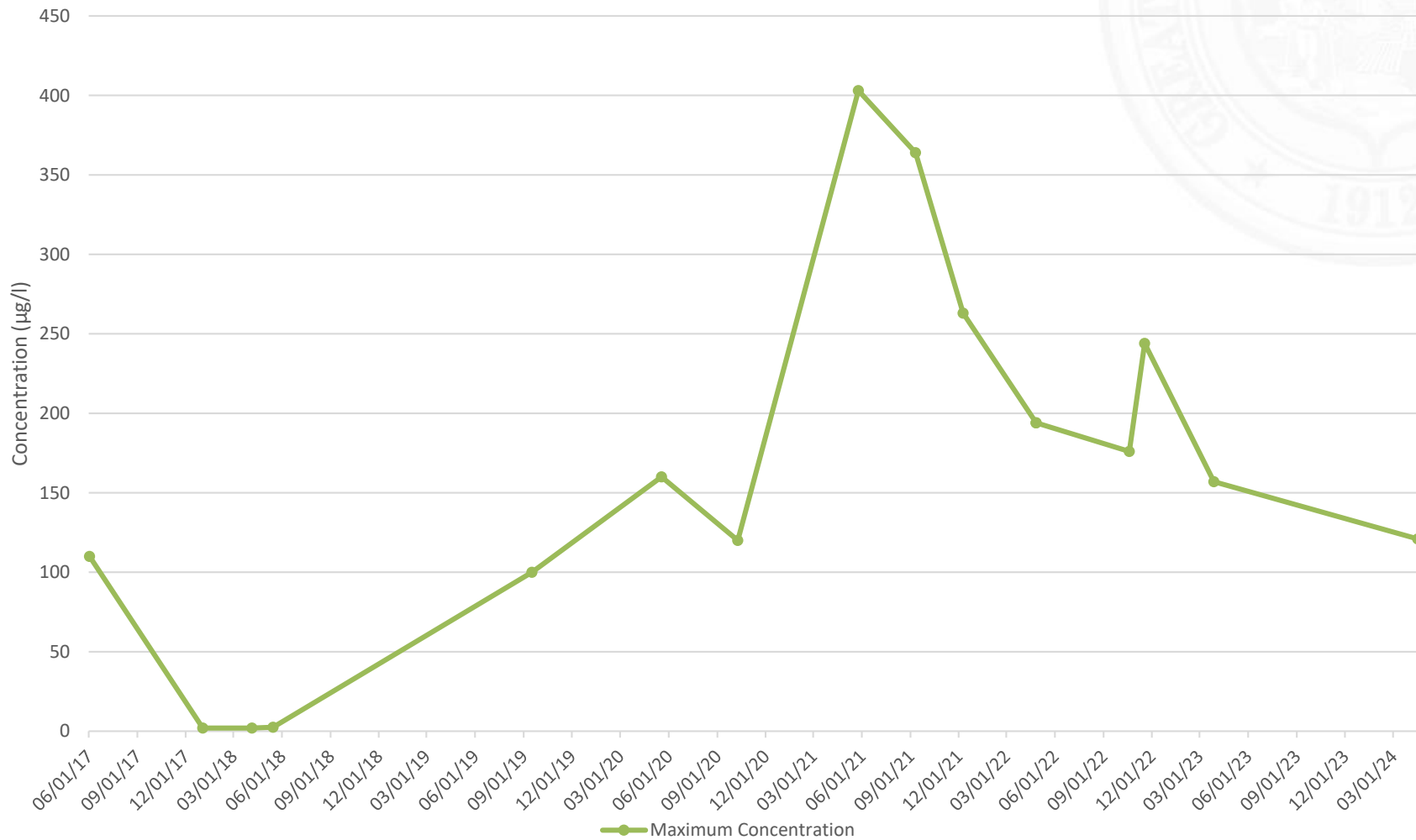
— 38th and Indian School – 5 μ g/L PCE Isopleth (2024 Monitoring)

● Monitoring Well ■ SRP Well

← Approximate Groundwater Flow Direction
Groundwater Depth approximately 60 feet

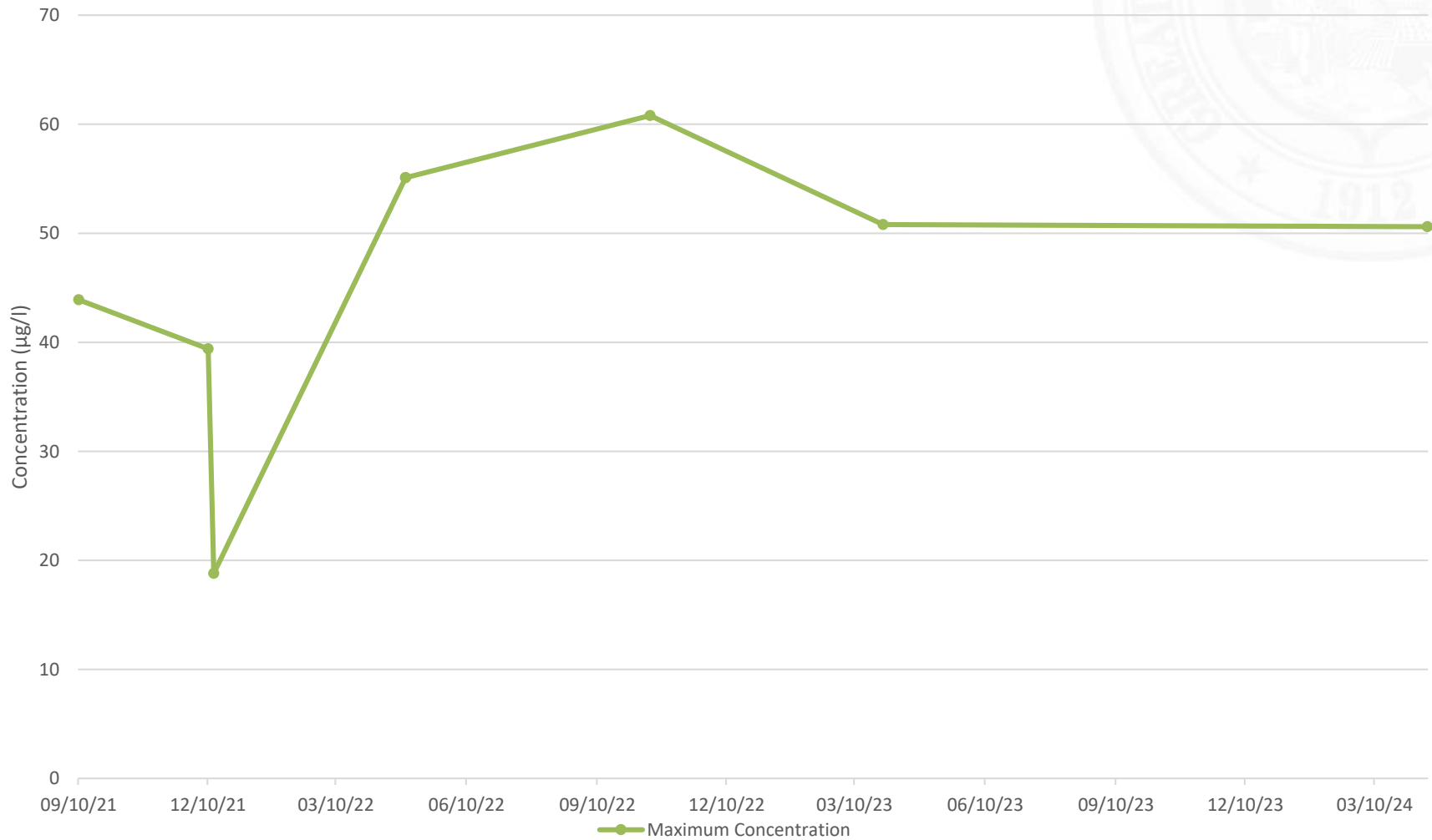
Groundwater Concentration Trend

PCE in CMW-10

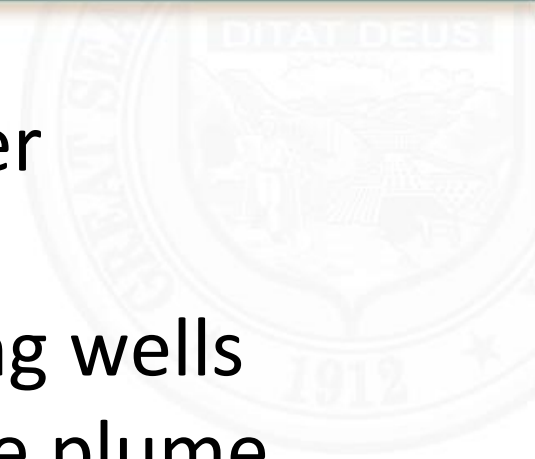


Groundwater Concentration Trend

PCE in CMW-19



- Continue semi-annual groundwater monitoring
- Install two groundwater monitoring wells downgradient to further define the plume



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Questions?

