

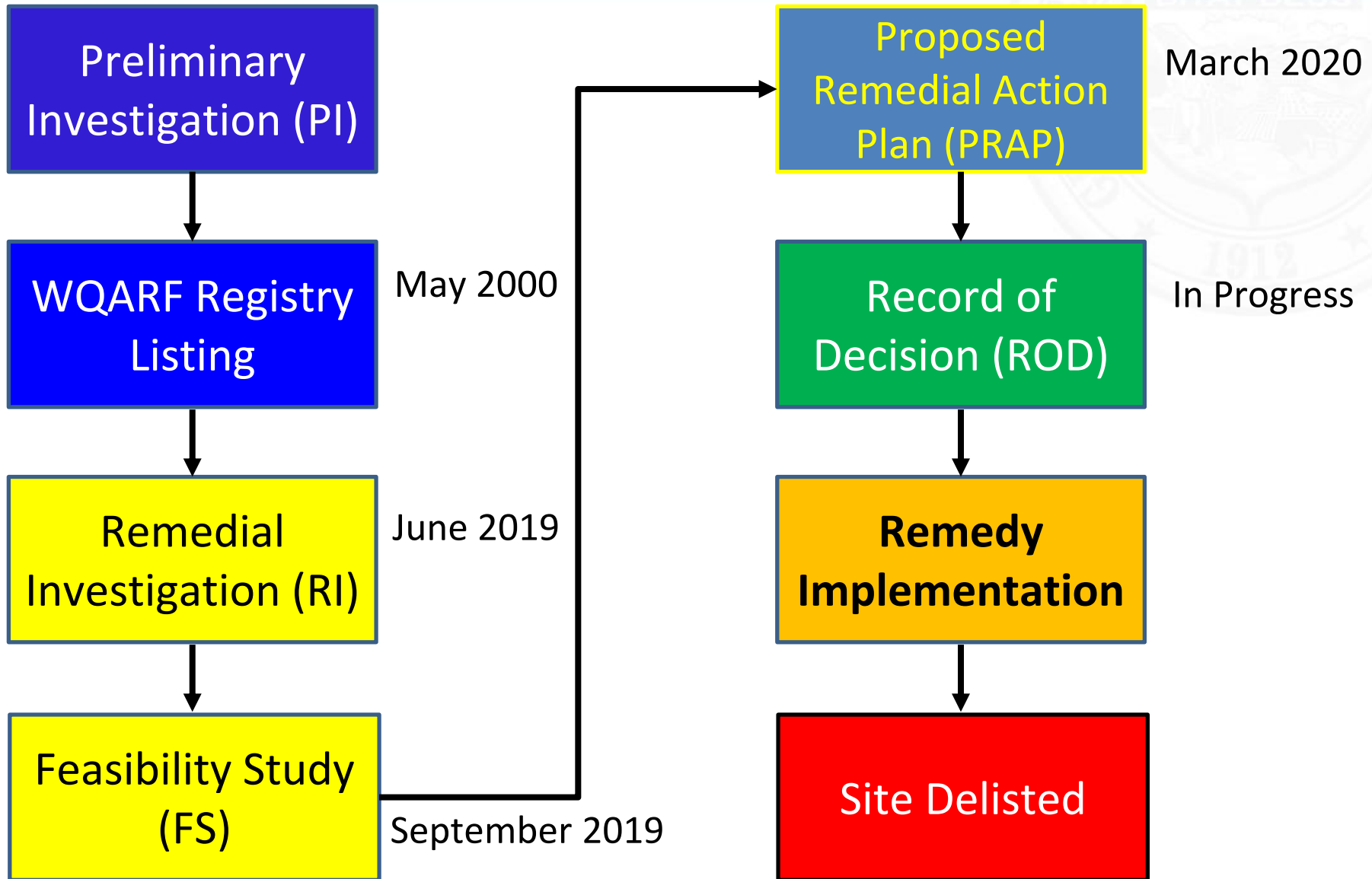
East Central Phoenix 24th Street and Grand Canal Phoenix, AZ

Date: October 24, 2024

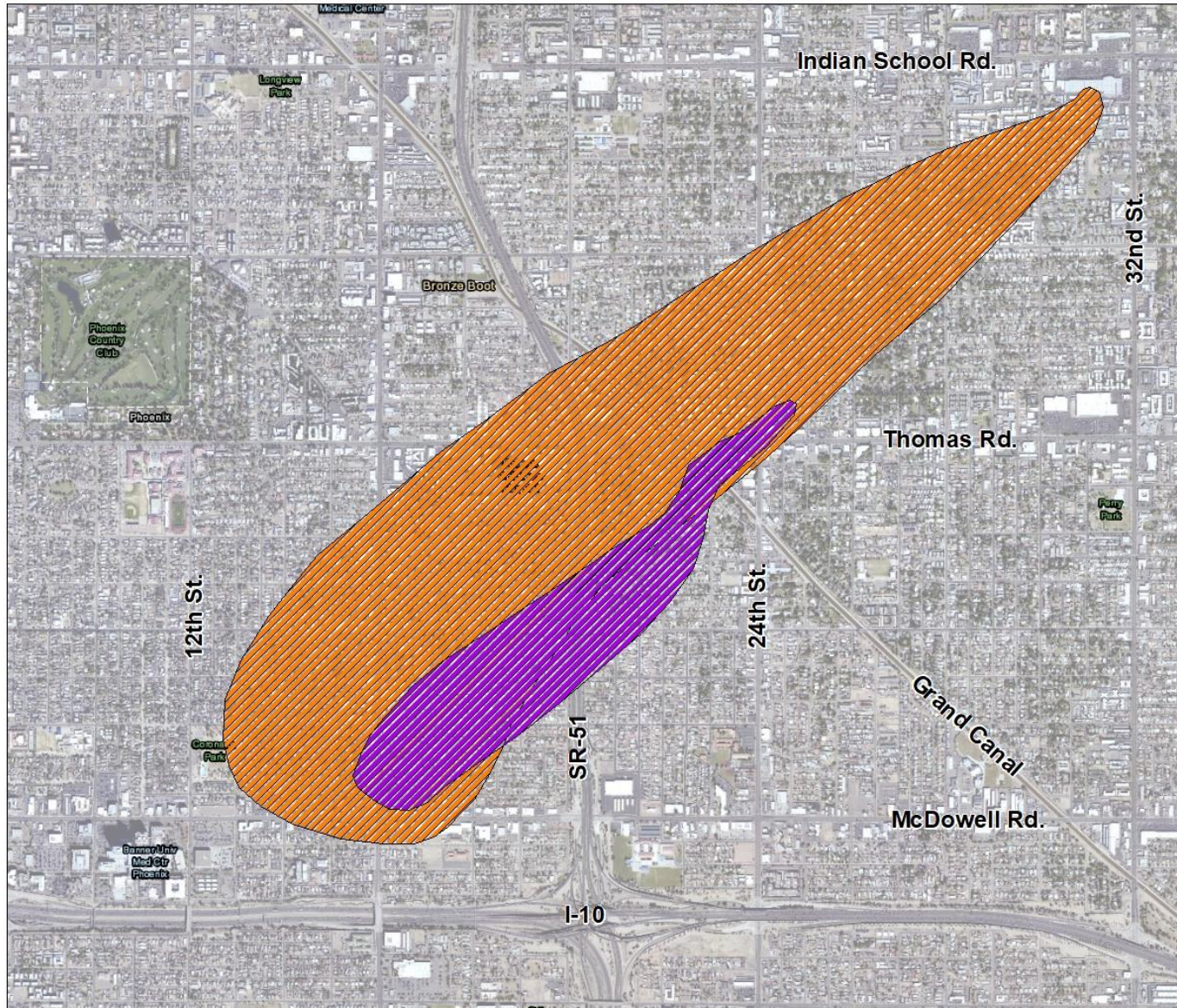
Project Manager: Mikel Morales



WQARF Process





Site Detail Map



Site Vicinity

Figure: East Central Phoenix

Legend

-  32nd St. and Indian School Rd. Plume Boundary
-  24th St. and Grand Canal Plume Boundary

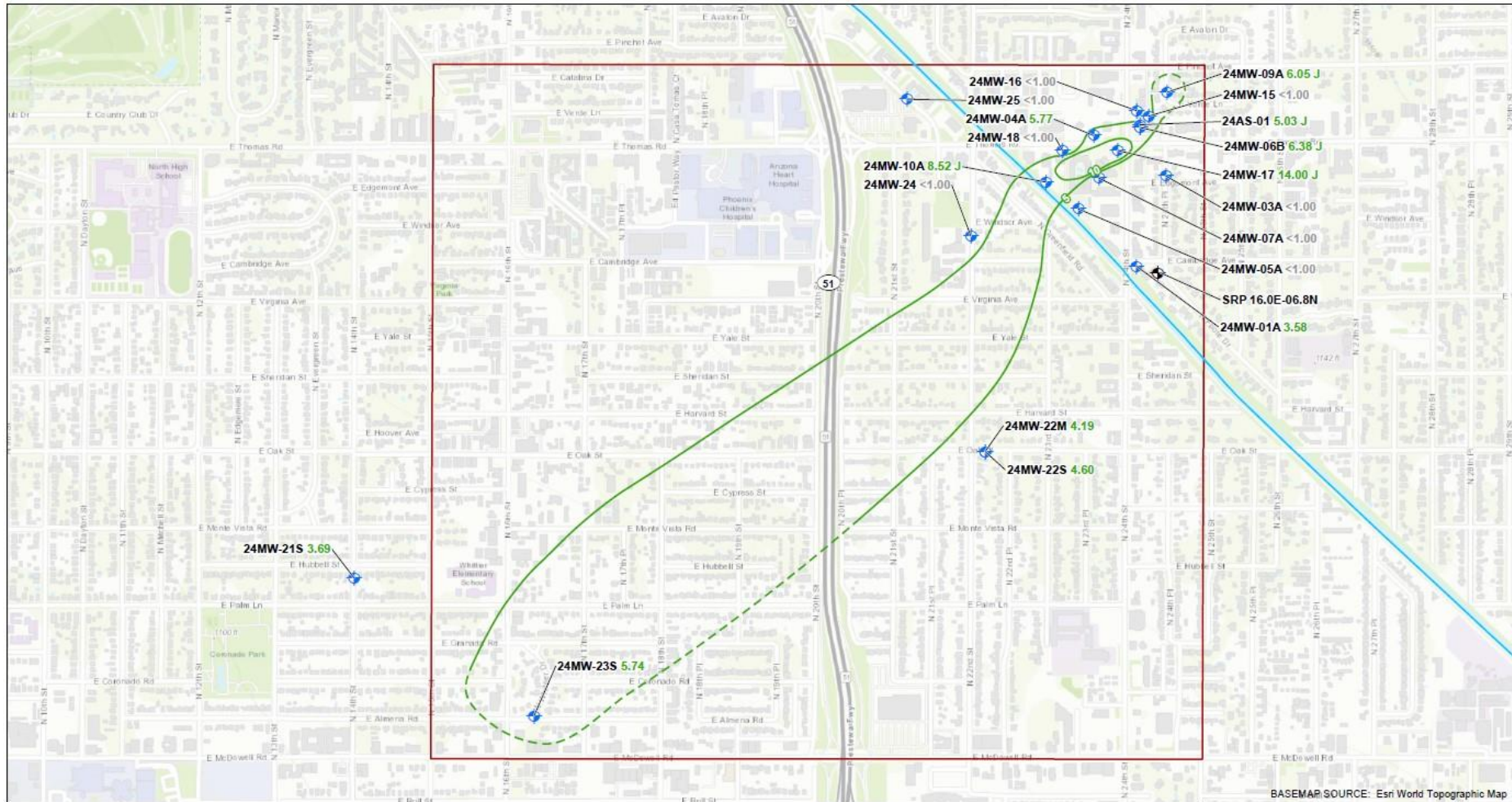
Notes:

- Estimated plume boundaries based on samples collected in September 2023



- **Contaminants of Concern** = Tetrachloroethene (PCE)
- **Source of Contamination** = Multiple former dry-cleaning facilities
- **Current Impacted Media** = Groundwater (soil contamination remediated by soil vapor extraction [SVE] technology)
- **Current Conditions** = Long and diffuse plume (maximum concentration is 27.2 micrograms per Liter [$\mu\text{g}/\text{L}$])
- **Current Remedial Actions** = Semi-annual groundwater monitoring (In Situ Chemical Oxidation (ISCO) ozone sparge completed in 2022)
- **Potential Receptors** = Salt River Project water supply wells

Groundwater Plume Map



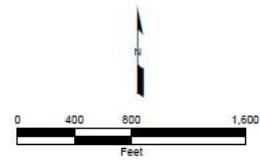
BASEMAP SOURCE: Esri World Topographic Map

- GROUNDWATER MONITORING WELL
- PRODUCTION WELL, SALT RIVER PROJECT
- PCE ISOCONCENTRATION (µg/l)
- PCE ISOCONCENTRATION, INFERRED (µg/l)
- GRAND CANAL
- 24TH STREET AND GRAND CANAL WQARF SITE

LOCATION ID
24MW-21S 3.69
 PCE CONCENTRATION (µg/l)

- Groundwater samples were collected on 9/13/2023, 9/14/2023 and 9/15/2023
 - A grey value indicates a location where PCE was not detected above the reporting limit of 1.0 µg/l

PCE: tetrachloroethene
 µg/l: micrograms per liter
 J: approximate measurement



PCE Groundwater Isoconcentrations
 September 2023
 East Central Phoenix
 24th Street and Grand Canal WQARF Site
 Phoenix, Arizona

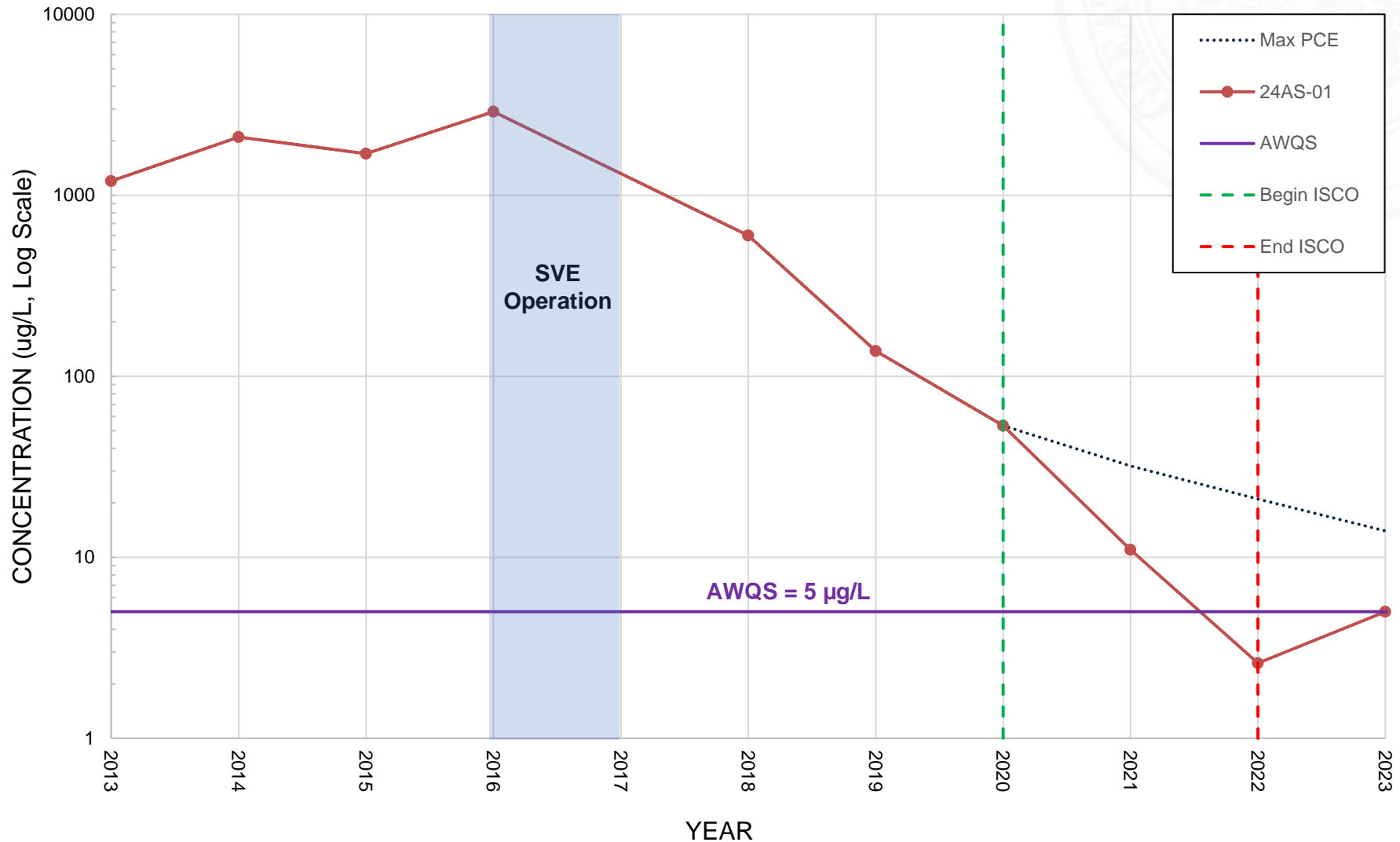
Geosyntec consultants
 Figure **3**

Phoenix May 2024

WQARF: Water Quality Assurance Revolving Fund

Groundwater Concentration Trend

ECP - 24th and Grand Canal PCE Concentration vs. Time



AWQS = Aquifer Water Quality Standard

- Continue semi-annual groundwater monitoring
 - First event performed in October
 - Second event scheduled for spring 2025

- Install additional downgradient monitoring well(s)

- Finalize ROD

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Questions?

