



Miracle Mile WQARF Site

Joshua Campbell

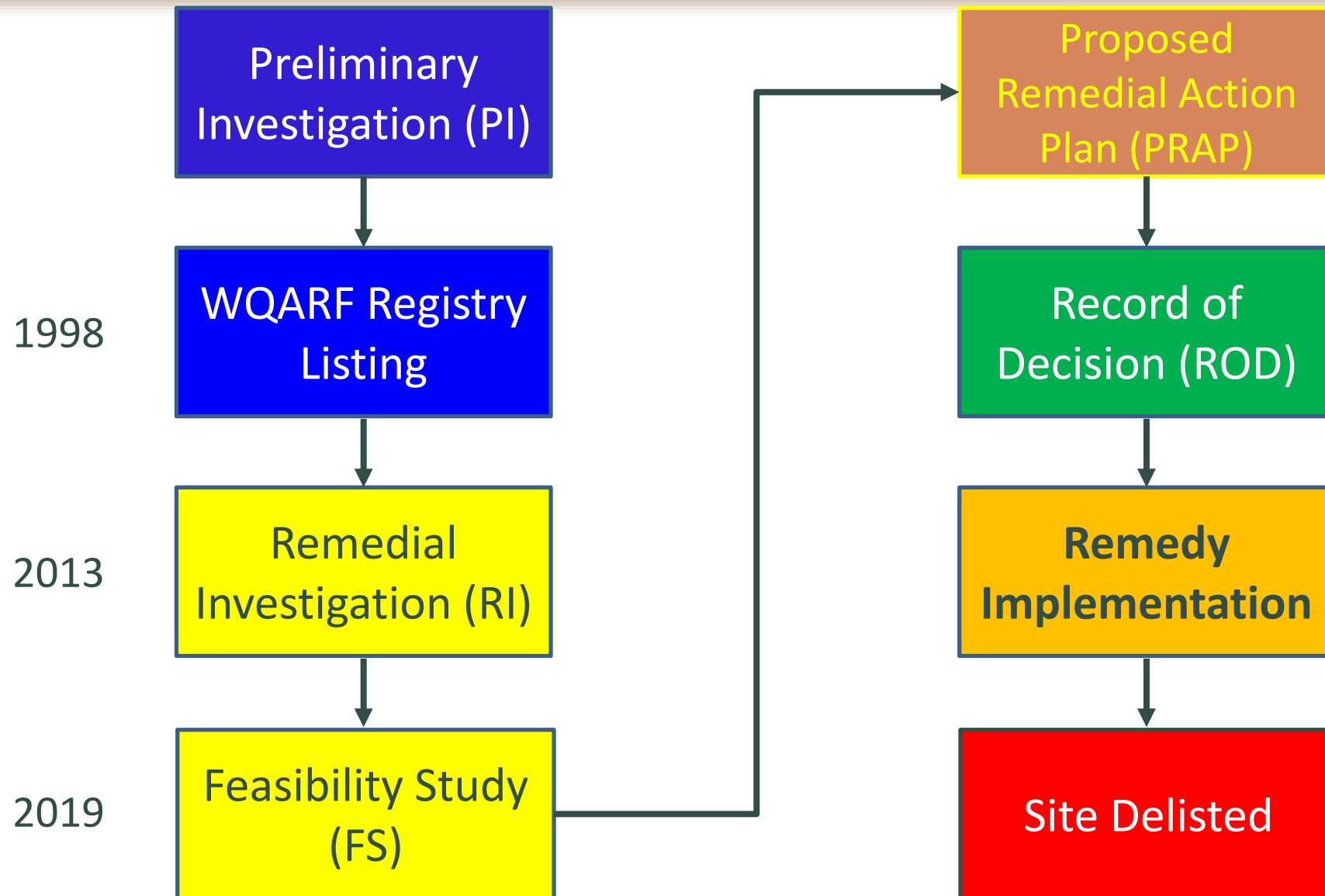
October 29, 2024

Community Update



Clean Air, Safe Water,
Healthy Land for Everyone

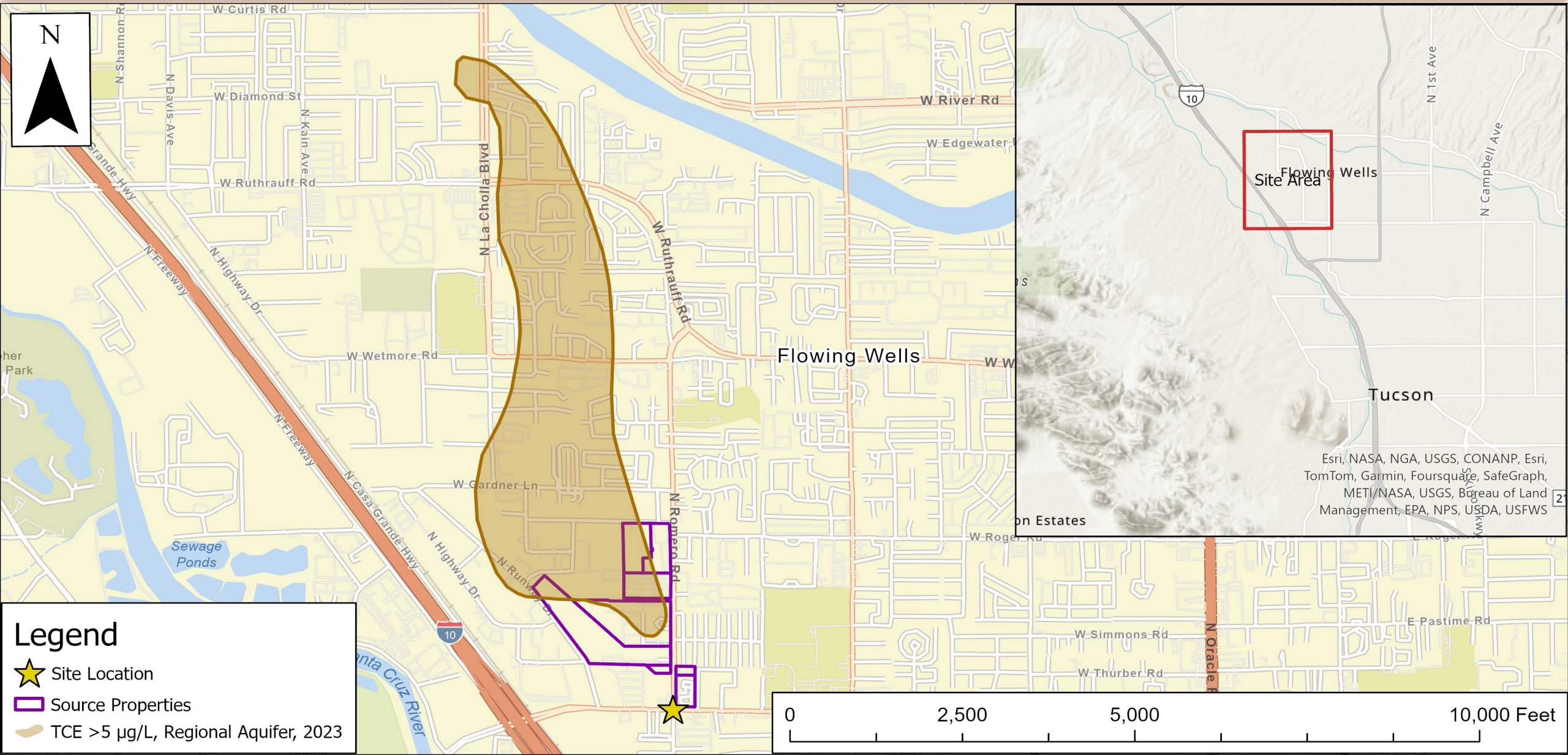
WQARF Process



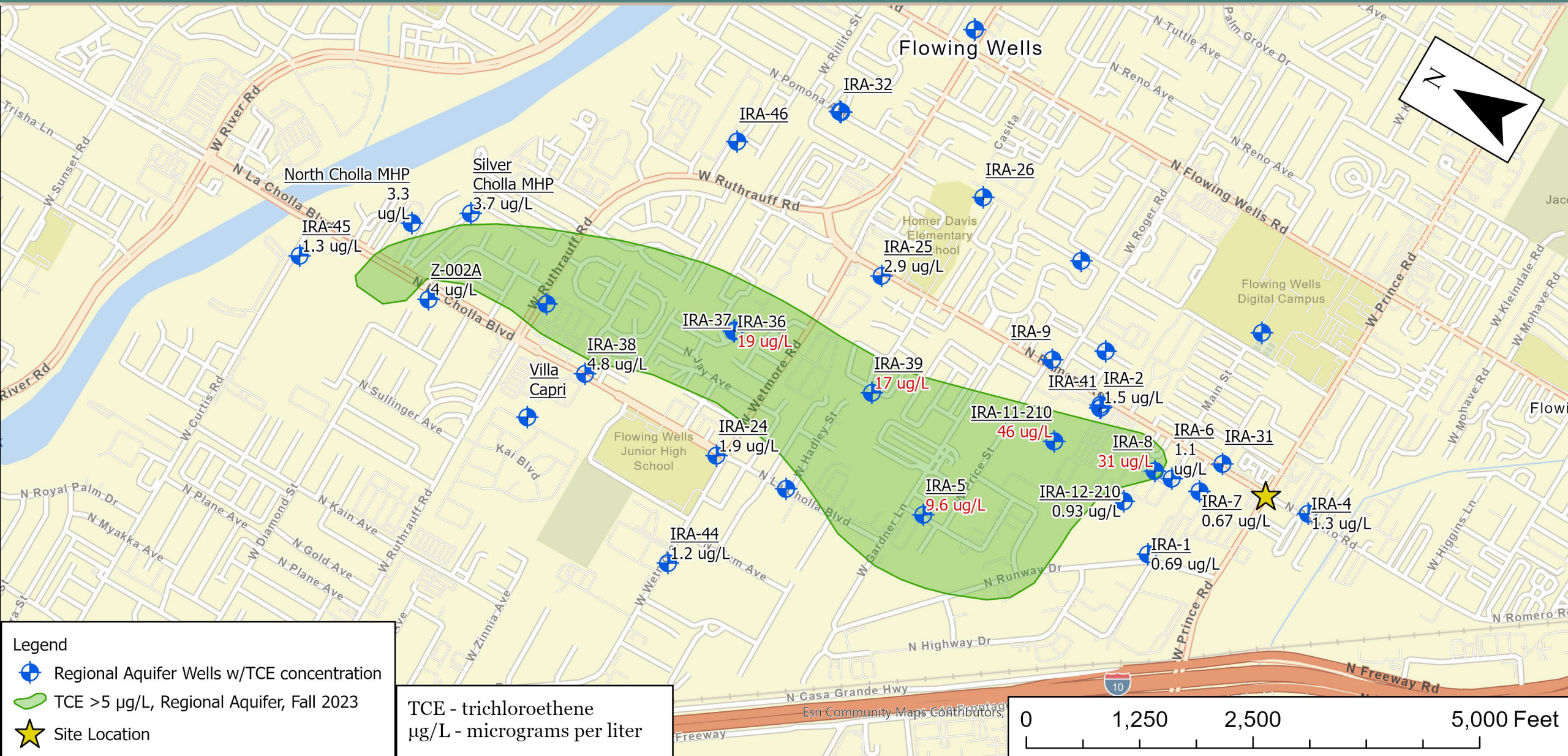
Miracle Mile - Brief History

- **Contaminants of Concern:** trichloroethene (TCE) and chromium
- **Source of Contamination:** multiple manufacturing facilities
- **Current Impacted Media:** groundwater and soil vapor
- **Current Conditions:** long, diffuse plume with maximum TCE concentration of 370 micrograms per liter ($\mu\text{g/L}$)
- **Current Remedial Actions**
 - annual groundwater monitoring
 - wellhead treatment and monitoring
- **Potential Receptors:** public and private water supply wells

Miracle Mile - Site Location



Miracle Mile - Site Map

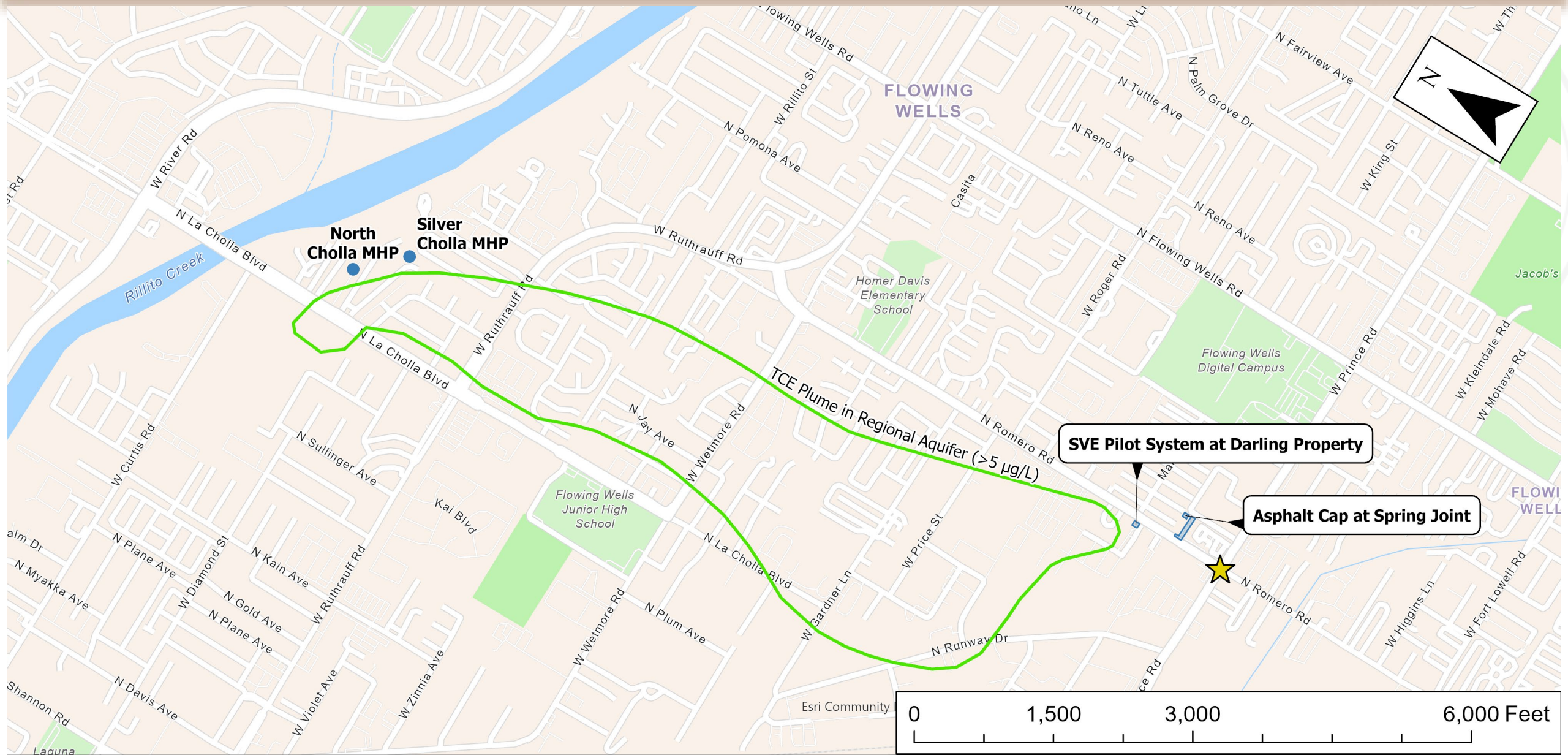


Miracle Mile - Remediation

- Early Response Actions include:
 - Asphalt cap at the former Spring Joint source property to immobilize chromium (2005 – present).
 - Carbon filter systems on drinking water wells for two (2) mobile home parks (MHP, 2019 – present).
 - Soil Vapor Extraction (SVE) Pilot Test at the R.E. Darling property (2023).

	FY20	FY21	FY22	FY23	FY24	Totals
Mass Removed	0.27 lbs	0.47 lbs	0.32 lbs	0.37 lbs	24.14 lbs	25.56 lbs
Concentration Changes (across plume)	Not Sampled	<u>IRA-19:</u> 1,400 µg/L <u>IRA-39:</u> 10 µg/L <u>IRA-45:</u> Not sampled	Not Sampled	<u>IRA-19:</u> 710 µg/L <u>IRA-39:</u> 37 µg/L <u>IRA-45:</u> 0.89 µg/L	<u>IRA-19:</u> 280 µg/L <u>IRA-39:</u> 17 µg/L <u>IRA-45:</u> 1.3 µg/L	

Miracle Mile – Early Remedial Actions



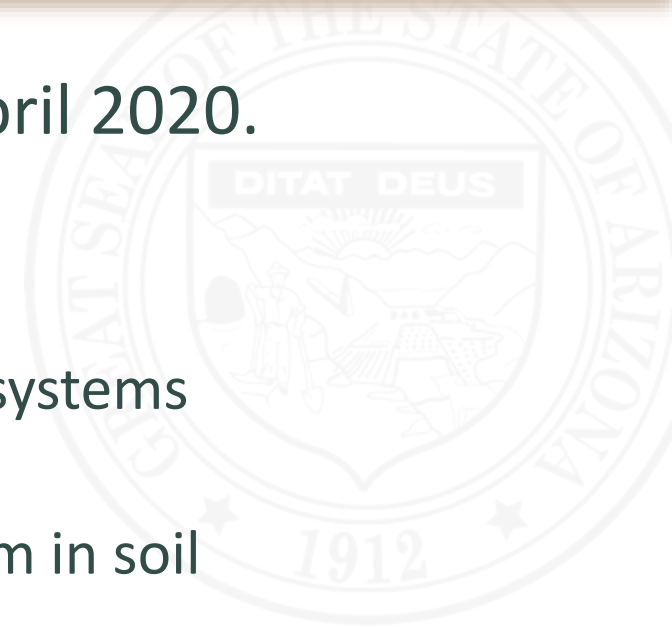
Soil Vapor Extraction Pilot Study

- Conducted in October 2023
- Reused some wells from a former pilot study
- Installed four new wells
 - Two vapor extraction wells
 - Two vapor monitoring points
- Three days of pressure testing
 - Showed the connectivity between the wells
- Ten days of operation
 - Removed ~24 pounds (lbs) of TCE
- Above-ground equipment removed after pilot test



Miracle Mile – PRAP Summary

- Proposed Remedial Action Plan (PRAP) published in April 2020.
- Proposed Remedy includes:
 - Soil vapor extraction at source properties
 - Operation and maintenance (O&M) of wellhead treatment systems
 - Pump-and-treat to contain the groundwater plume
 - Maintenance of soil cap to prevent mobilization of chromium in soil
 - Groundwater monitoring



Miracle Mile - Path Forward

- Continue O&M of Soil Cap
- Continue Operation of Mobile Home Park Wellhead Treatment Systems
- Continue Groundwater Monitoring and Sampling
- Continue Preparing the Record of Decision



Questions?

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