

Aerojet's Groundwater Investigation and Remediation North of the American River

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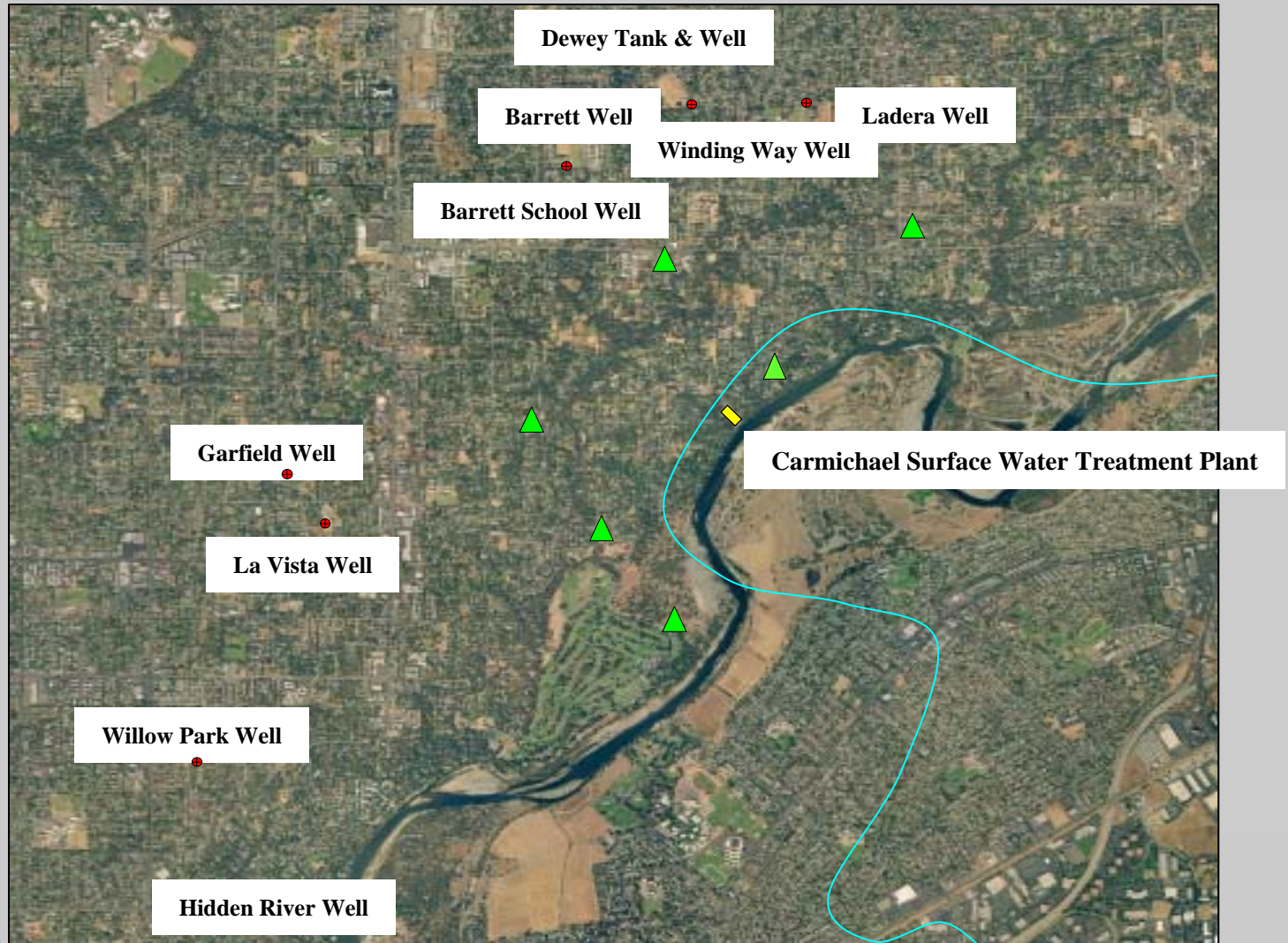
Your Drinking Water is Safe

- The chemicals detected are several thousand feet from the nearest public drinking water supply wells.
- Your water supply wells are tested quarterly and annually by both your water district and Aerojet.
- Monitor wells have been installed to test water quality and water levels, and determine direction of groundwater flow.

Actions Taken - Carmichael

- Monitoring CWD water supply wells jointly
- Installed 6 monitor wells in Carmichael
- Developed conceptual design to halt migration of NDMA in groundwater
- Working with CWD on final design and implementation of remedy
 - MOU
 - siting of extraction wells, treatment plant, pipelines, use or discharge of treated water

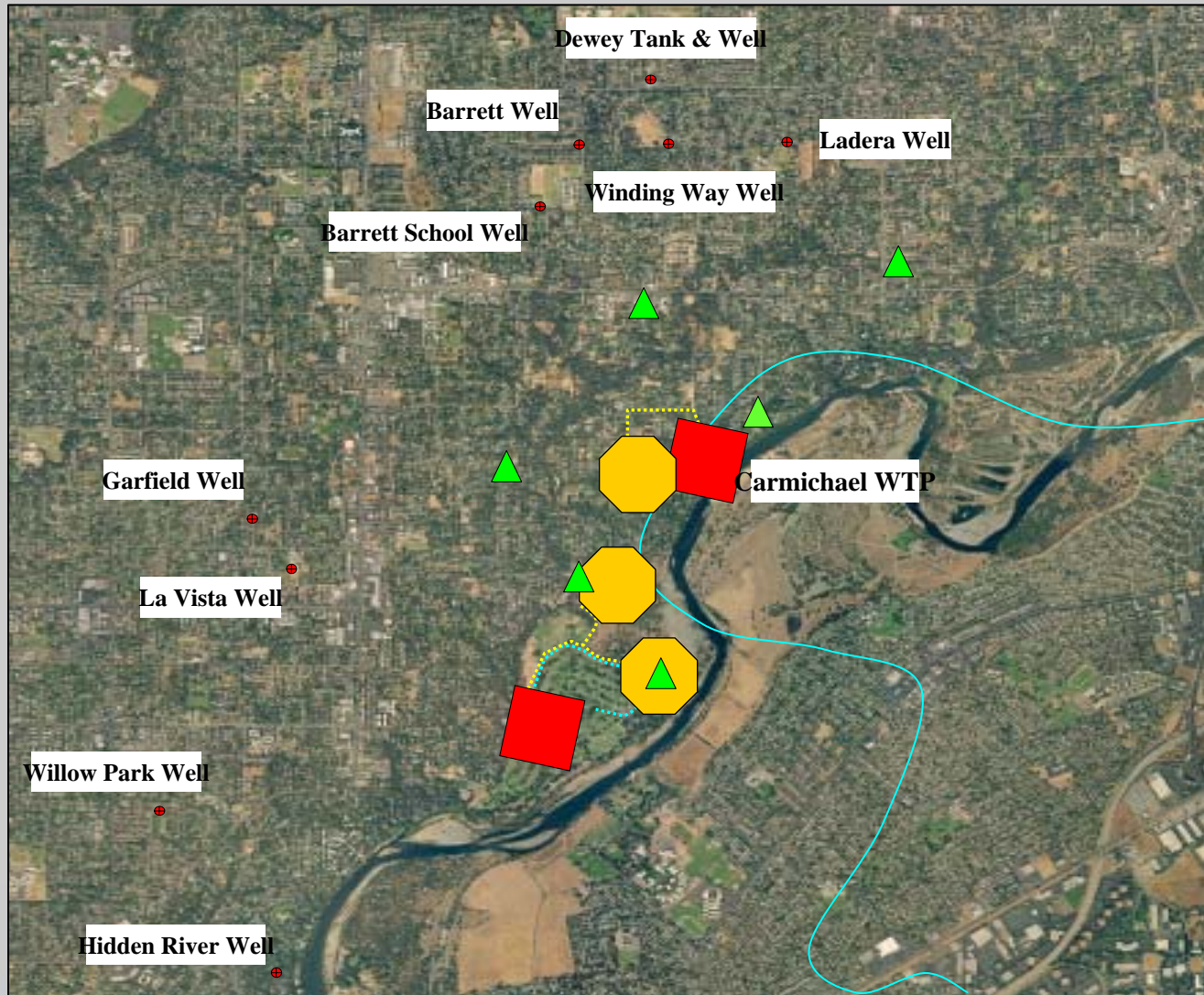
Water Supply and Monitoring Well Locations in Carmichael



Upcoming Actions - Carmichael

- Ongoing - Install and test extraction wells, identify pipeline routes, identify treatment plant locations, evaluate reuse or discharge options of treated water.
- October 2005 - Submit final design of remedial system.
- Winter and Spring 2006 - Construct remedial system.
- Summer 2006 - Begin operation of treatment plant.

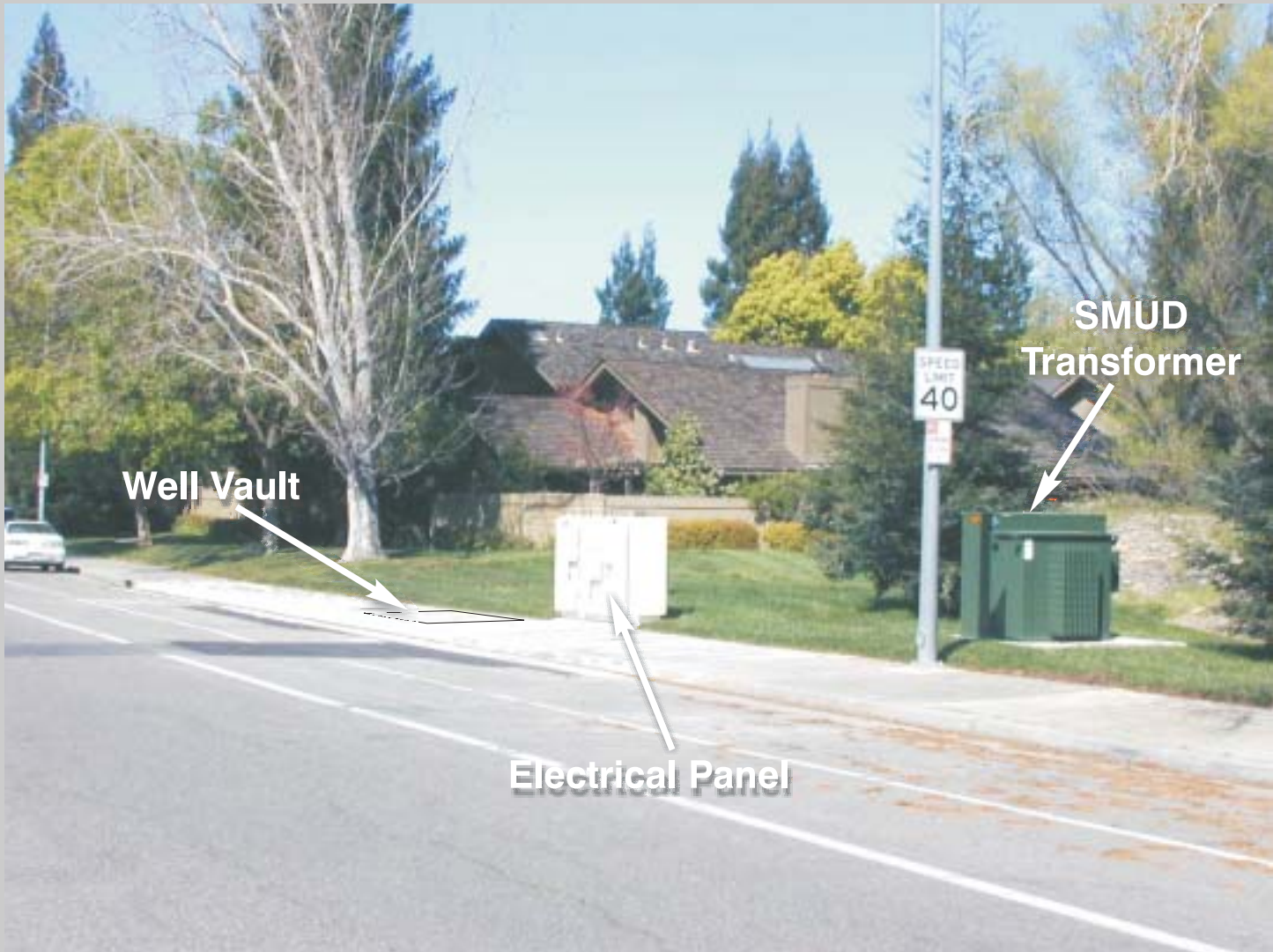
Potential Extraction Well and Treatment Plant Locations in Carmichael



Groundwater Treatment System in Carmichael

- Extraction Wells
 - Pump and apparatus underground
 - Quiet
- Pipelines
 - Minimize length and disruption to neighborhoods
- Treatment Facility
 - Ultra-violet (UV) light used in treatment for NDMA
 - Quiet, low profile operation
 - No hazardous waste
 - Treated water discharged to storm drains or reused by others

Extraction Well in Gold River



Well Vault

SMUD
Transformer

Electrical Panel

Groundwater Treatment Plant in Rancho Cordova



UV Treatment Equipment



Fair Oaks Water District

- Aerojet has operated a groundwater remedy in Sailor Bar/Fair Oaks since 1998.
- Low concentrations of TCE only in groundwater.
- No chemicals have been detected in Fair Oaks water supply wells.
- Investigated and analyzed alternatives to contain plume and protect Fair Oaks water supply wells.

Water Supply Wells and Extraction Wells in Fair Oaks



Remedy Alternatives

- Aerojet's current plans are to install two additional extraction wells in Fair Oaks to capture groundwater containing TCE.
- Treatment of groundwater. Either:
 - Treatment plant in Fair Oaks; or
 - Treat water at existing treatment plant on Aerojet property.

Typical Treatment Plant for Groundwater containing TCE

- Aqueous carbon in Canisters.
- Quiet, low profile.
- Replace carbon every few months.
- Treated water discharged to storm drain or provided to other for reuse.

Aqueous Carbon Canisters to Remove TCE from Water



Summary

- Your water is safe.
- Working closely with Carmichael and Fair Oaks Water Districts.
- Committed to implement remedy to assure that your water supply continues to be safe.
- Minimizing disruption and inconvenience.

Thank you for your interest
and cooperation!

More Questions?

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