



# Water Quality Coordination Committee Meeting

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# Groundwater

## **Precious Resource or Contaminated Headache?**



DTSC

## Current System: Polluter Pays

- **Monitoring shows a plume**
- **Identify the source of the contamination**
- **Identify potential responsible parties**
- **“Convince” the RPs to pay for clean-up**
- **Meanwhile.....the plume spreads**



USEPA and DTSC Supply the Funding

# SAN GABRIEL VALLEY SUPERFUND



**Dept. Toxic Substances Control**  
**San Gabriel Valley Water Company**  
**California Water Quality Authority**  
**California Department of Public Health**  
**United States Environmental Protection Agency**

# New System: Polluter Reimburses

- **Monitoring shows a plume**
- **Agencies work collaboratively to:**
  - **Stop the spread of the plume**
  - **Clean up the contamination**
  - **Restore the aquifer**
  - **Distribute the cleaned water**
  - **Identify and collect from RPs**



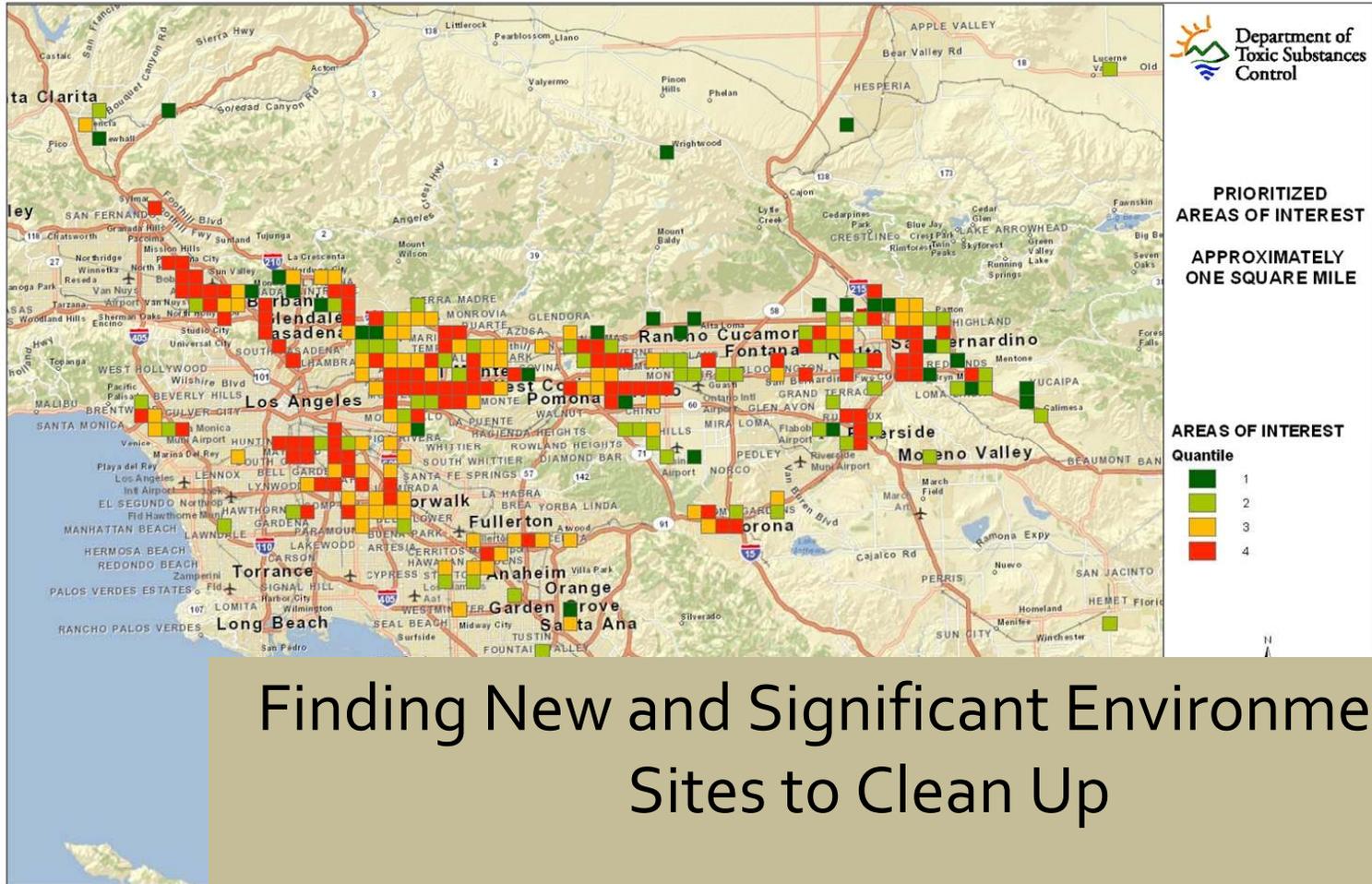
# Current System: DTSC and Water Board Overlap

<b>DTSC Authority</b>	<b>Environmental Problem</b>	<b>Water Board Authority</b>
<b>shared</b>	<b>Metals in soil and groundwater</b>	<b>shared</b>
<b>shared</b>	<b>Solvents in soil and water</b>	<b>shared</b>
<i>limited</i>	<i>Hydrocarbons in soil and groundwater</i>	<i>extensive</i>
<i>limited</i>	<i>Gasoline stations – subsurface leaks</i>	<i>extensive</i>
<i>limited</i>	<i>Refineries – subsurface leaks</i>	<i>extensive</i>
<i>limited</i>	<i>Surface waters</i>	<i>extensive</i>
<i>extensive</i>	<i>Surface exposure via soil gas</i>	<i>limited</i>
<i>limited</i>	<i>Salts and nutrients in groundwater</i>	<i>extensive</i>
<i>extensive</i>	<i>Schools</i>	<i>limited</i>
tbd	Other Contaminants of Concern (perchlorate, pest, etc.)	tbd



DTSC

# Prioritizing Limited Resources



Finding New and Significant Environmental Sites to Clean Up

Spatial Prioritization Geographic Information Tool (SPGIT)



DTSC

# **SPGIT Prioritization Factors**

## **Targeting Impacted Well Clusters**

**A. Health Risk - Contaminated  
Drinking Water Well Count**

**B. Potential Risk - Generator Density**

**C. USEPA Region 9 Social  
Vulnerability Index**

- **Enviroscreen will replace soon**

**D. Amount of Environmental Work  
Completed**



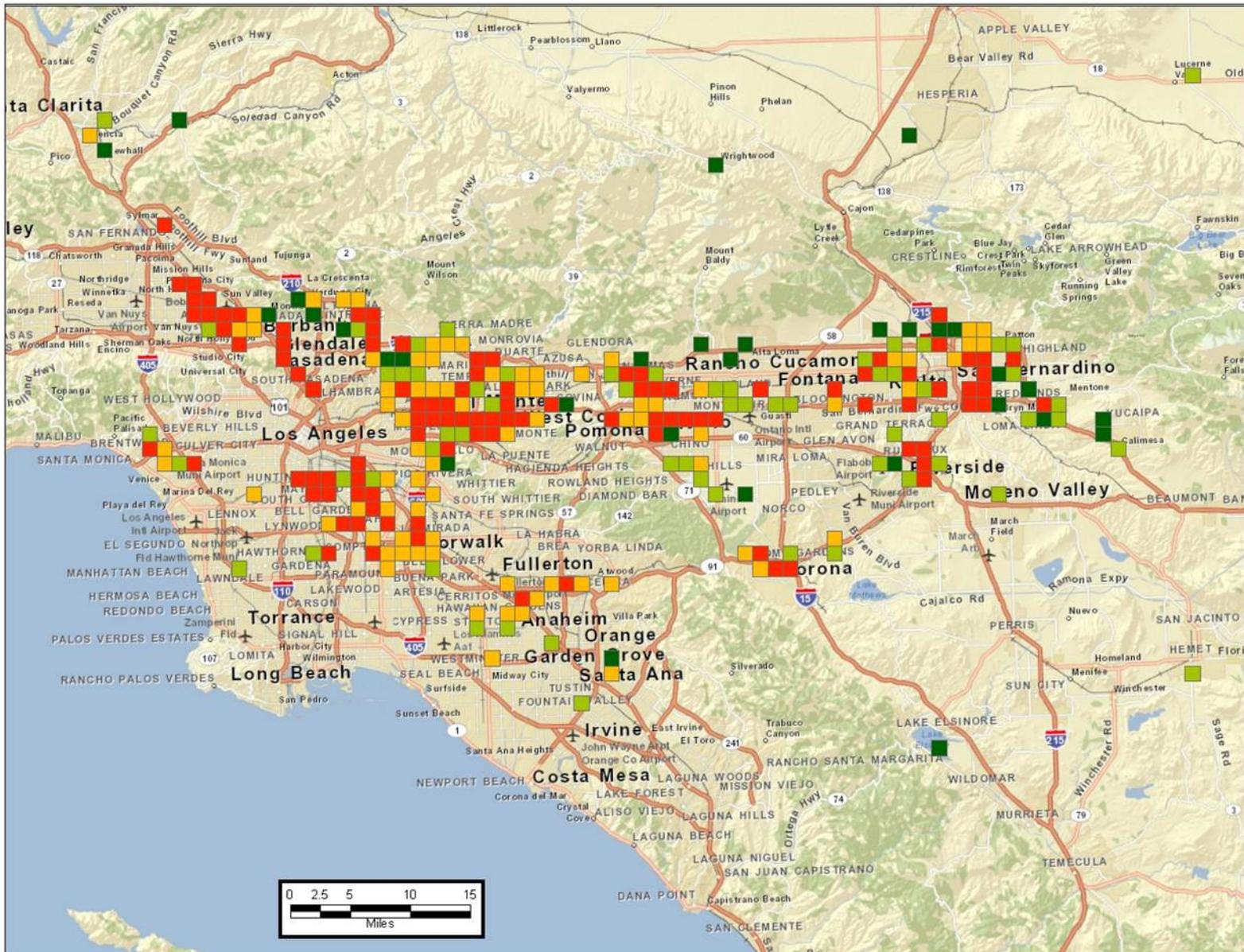
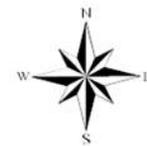
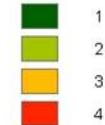
# DTSC SPIGOT Output



**PRIORITIZED  
AREAS OF INTEREST**  
  
APPROXIMATELY  
ONE SQUARE MILE

**AREAS OF INTEREST**

Quantile



## Need to Identify Stable Funding and...

- **Prioritize treatment locations**
- **Increase agency coordination**
- **Establish more realistic objectives**
- **Establish a consistent approach**
- **Identify sources for the beneficial use of the water**
- **Engage Water Purveyors**





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