Quarterly Status Update of Groundwater Sustainability Plan Implementation

SCV GSA Board Meeting
January 13, 2025
Item No. 4.2

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STATUS OF PREPARATION OF 5 YEAR GSP UPDATE

- Purchase orders being finalized for key work on the Hydrogeologic Conceptual Model
- Access agreements for geophysical survey in progress
- Following slides provide additional detail

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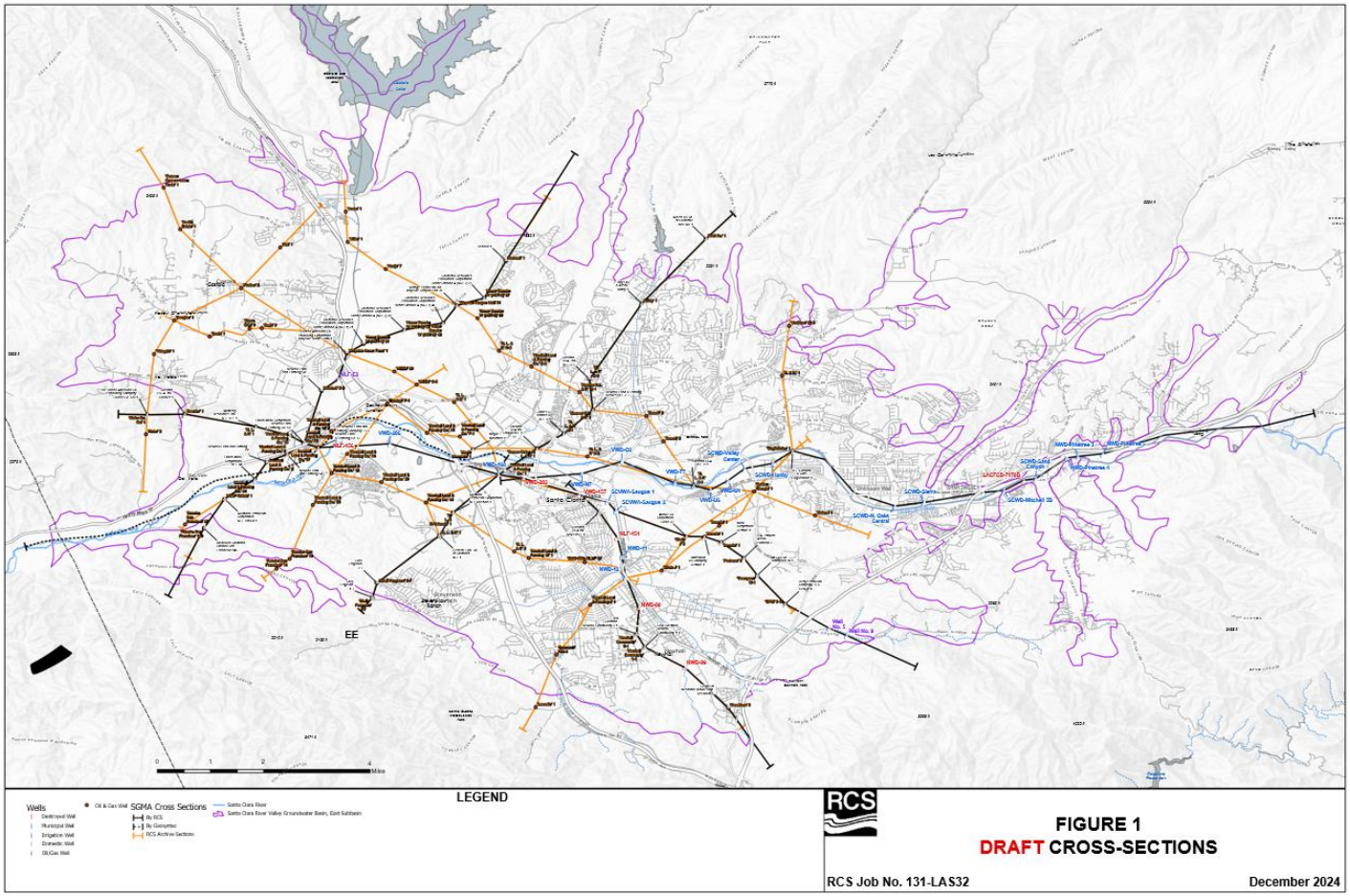
HYDROGEOLOGIC CONCEPTUAL MODEL

- **Phase 1**
- Integrate additional subsurface data
- Compile
- Review
- Interpret
- Update HCM



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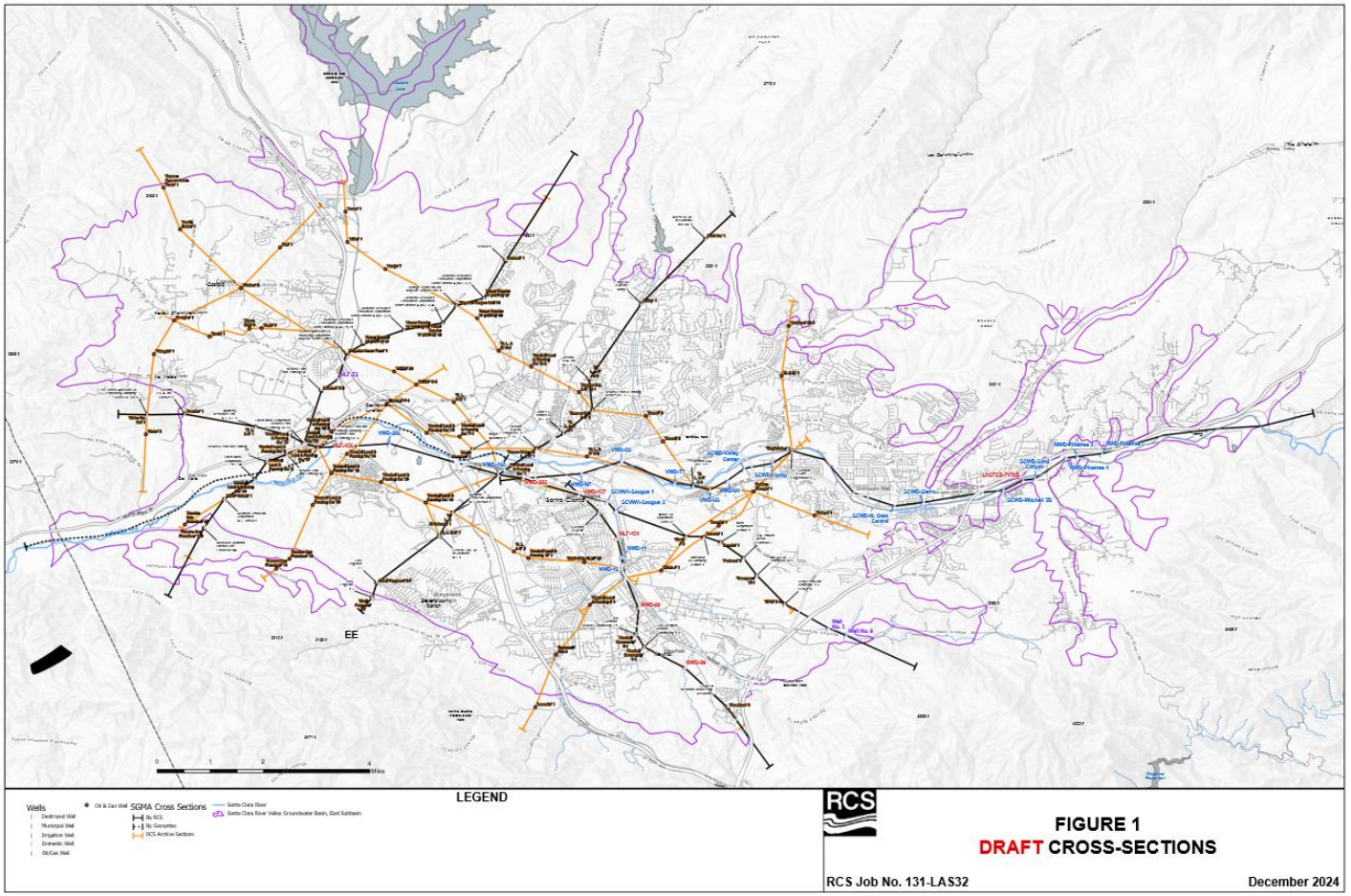
HYDROGEOLOGIC CONCEPTUAL MODEL

- **Phase 2**
- Identify remaining data gaps
- Refinement of HCM geology (round 2)
- Document work/draft report on geology



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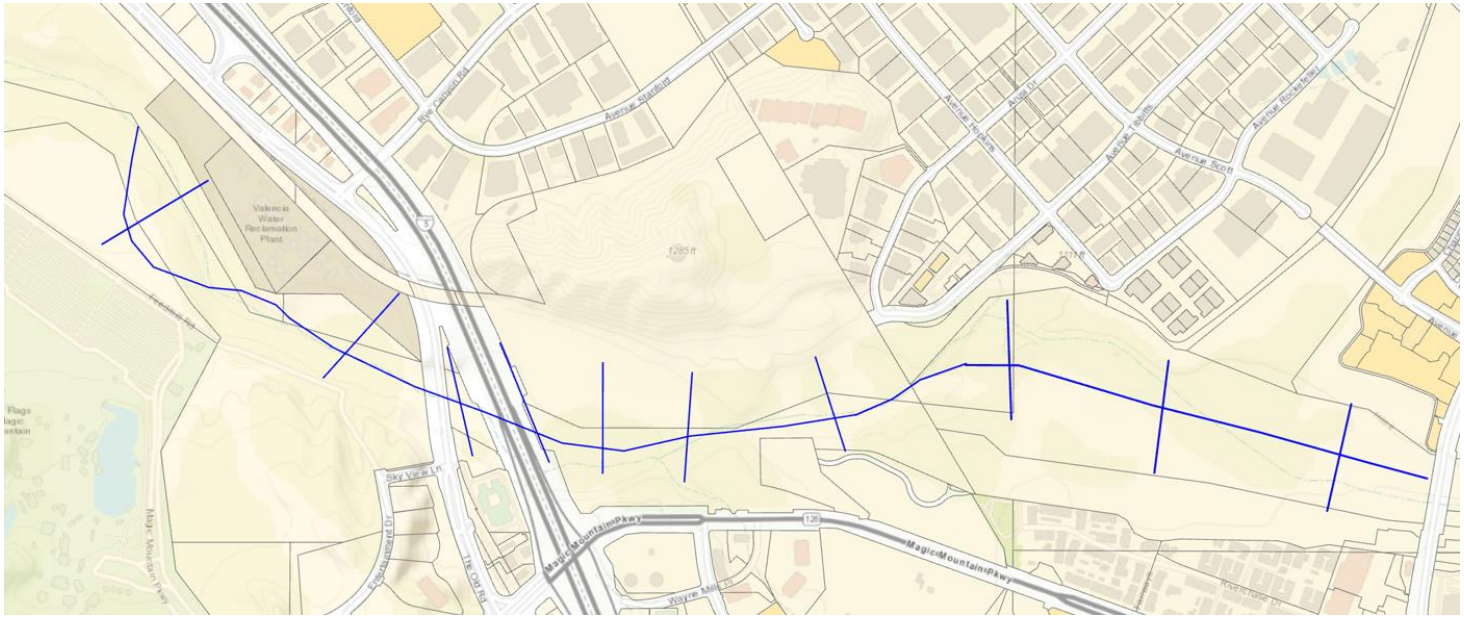
HYDROGEOLOGIC CONCEPTUAL MODEL

- Geophysical Survey
- Refine alluvium depth and width
- Depth to Saugus Formation
- Identify resistivity differences (if any) near Holser fault.



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HYDROGEOLOGIC CONCEPTUAL MODEL

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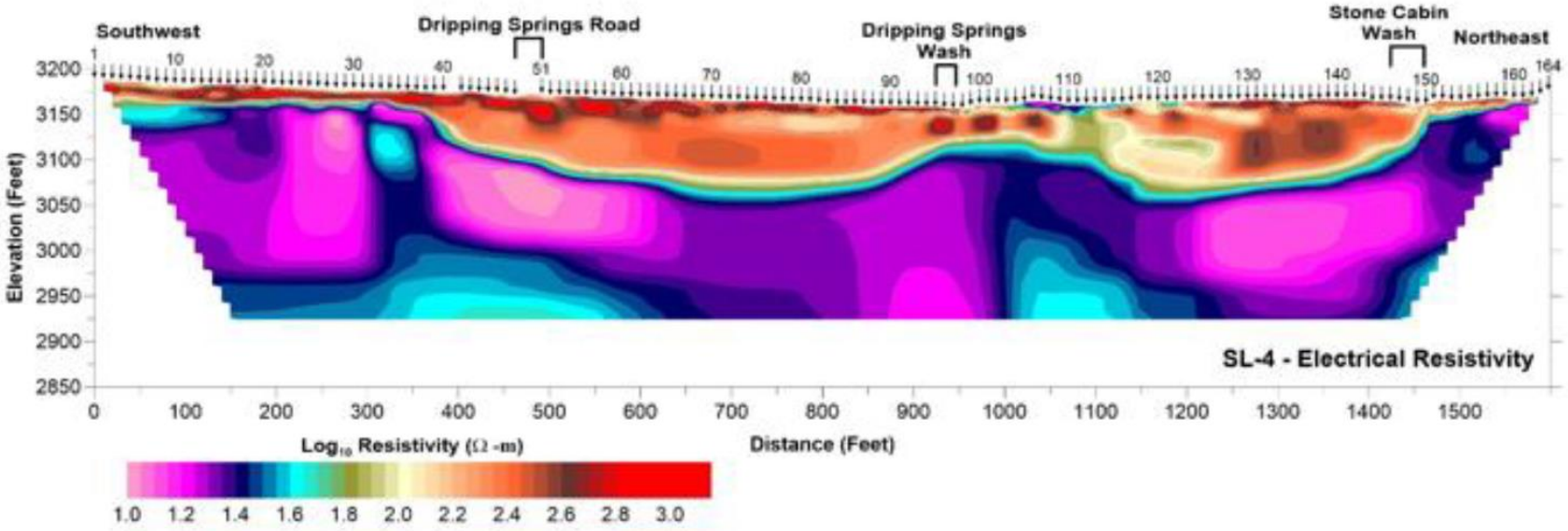
HYDROGEOLOGIC CONCEPTUAL MODEL



- Example Electrical Resistivity model
- Alluvial deposits are warmer colors
- Cooler colors are denser bedrock

- Data from study input into HCM
- HCM updated accordingly in local area

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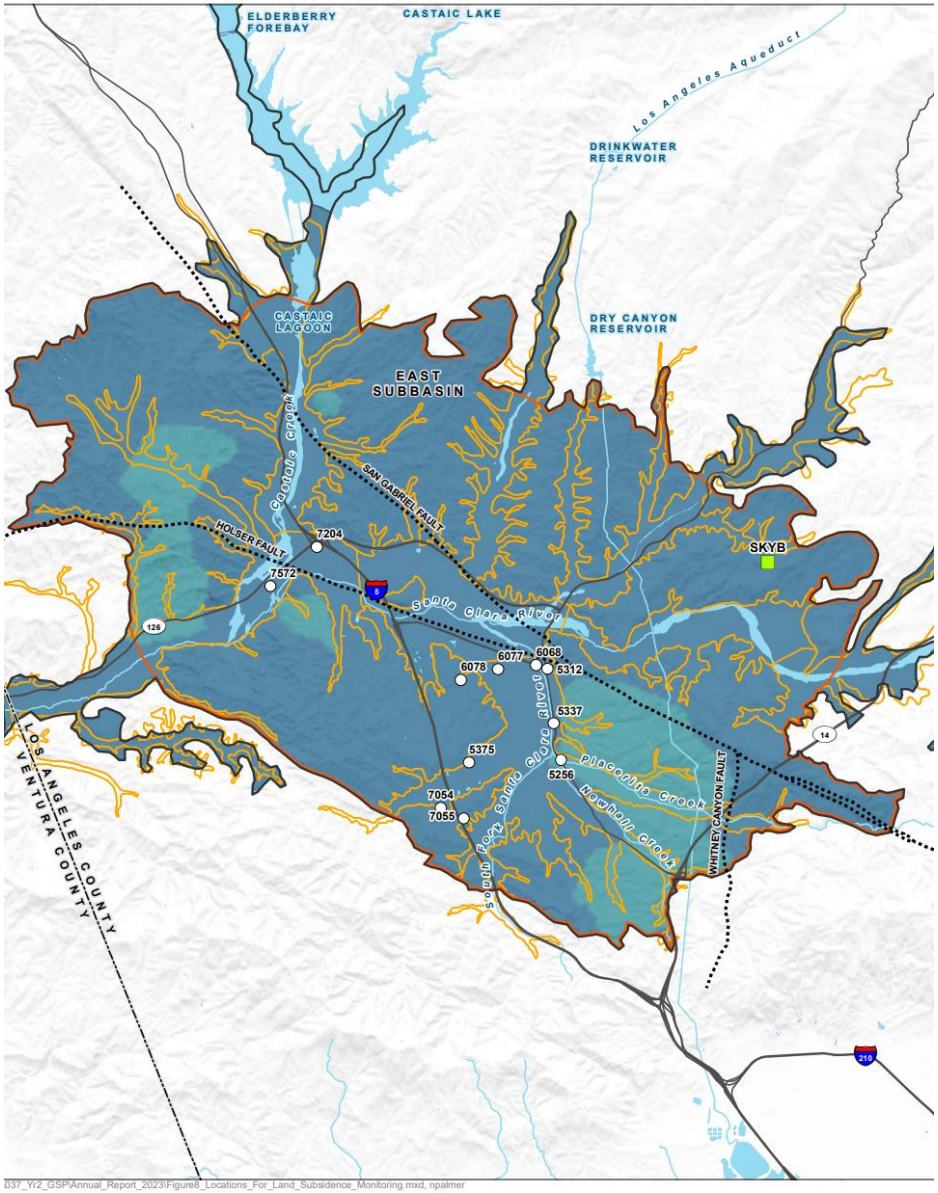

GSP IMPLEMENTATION

- De Minimis well owner water quality
- Non-de minimis well extraction reporting program
- Land Subsidence monitoring program
- Data Management System

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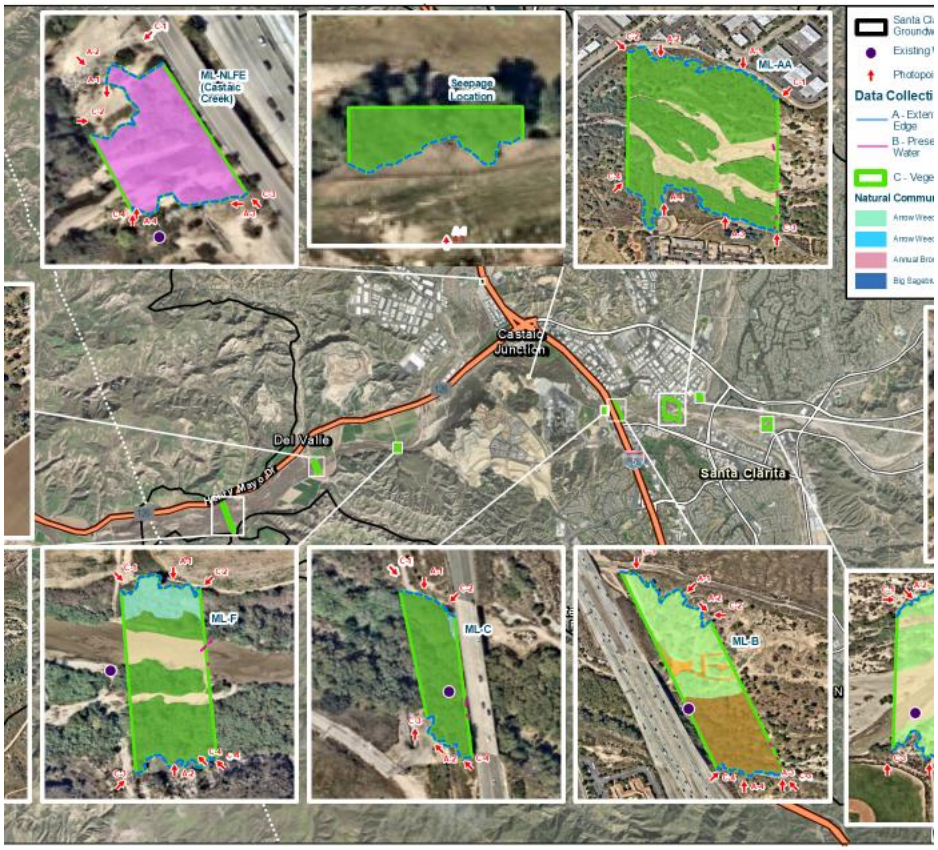

GSP IMPLEMENTATION

- Groundwater Dependent Ecosystem Monitoring Program 2024

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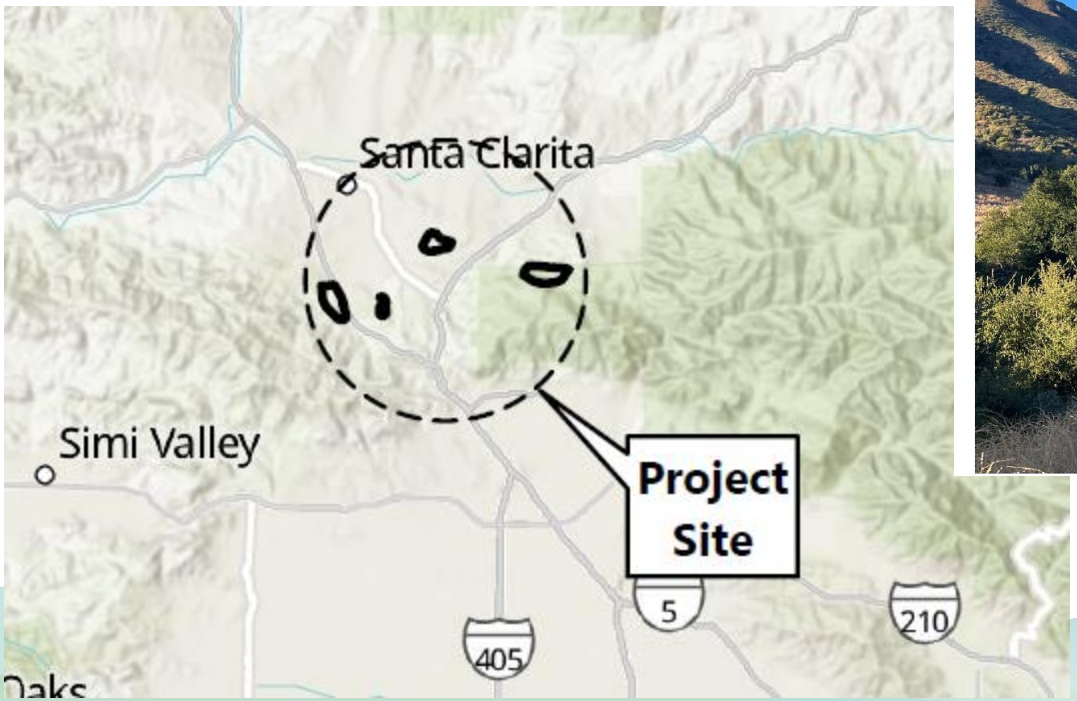
GSP IMPLEMENTATION

- Upland Groundwater Dependent Ecosystem Program



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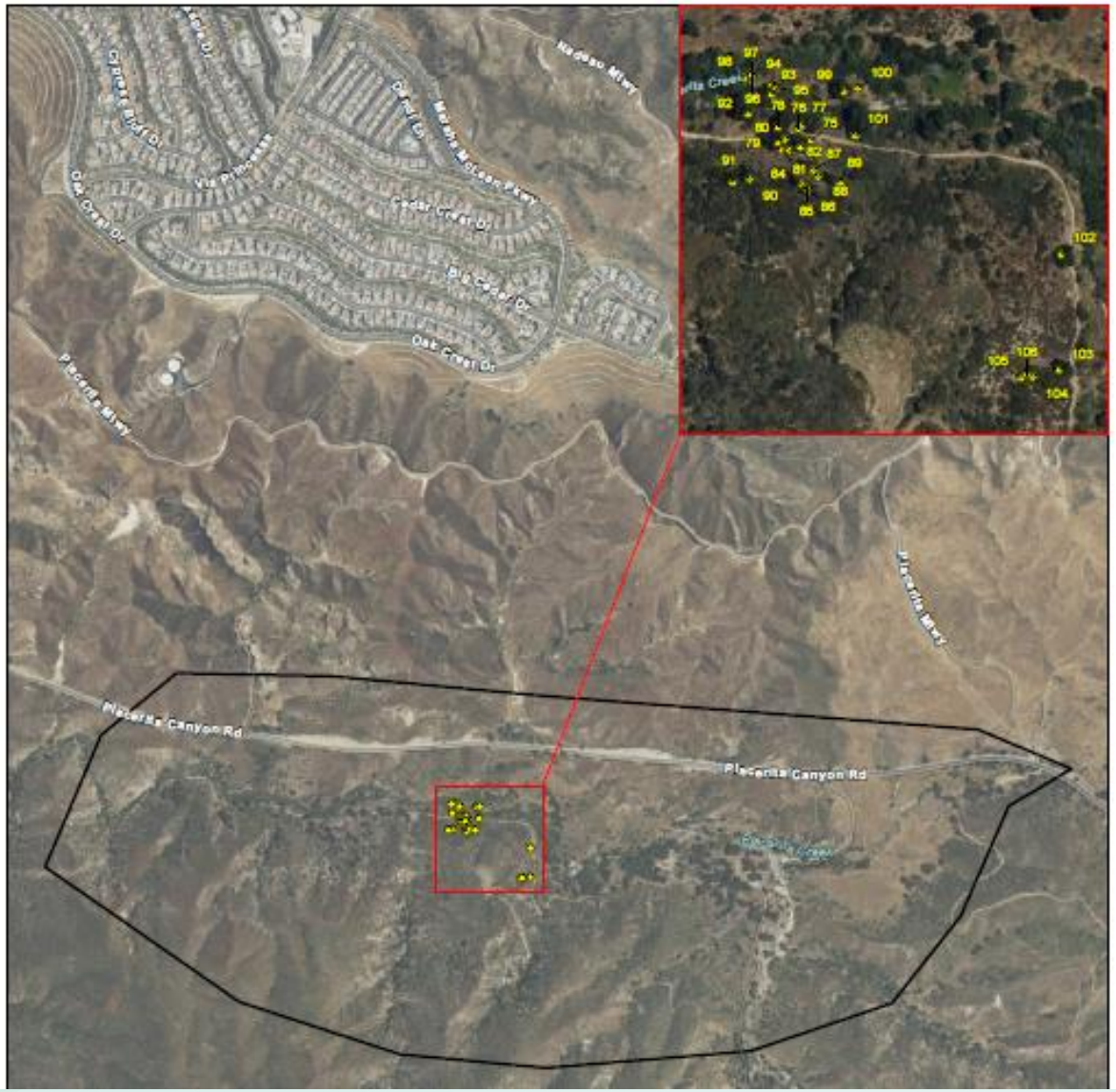
GSP IMPLEMENTATION

- Upland Area Placerita Canyon



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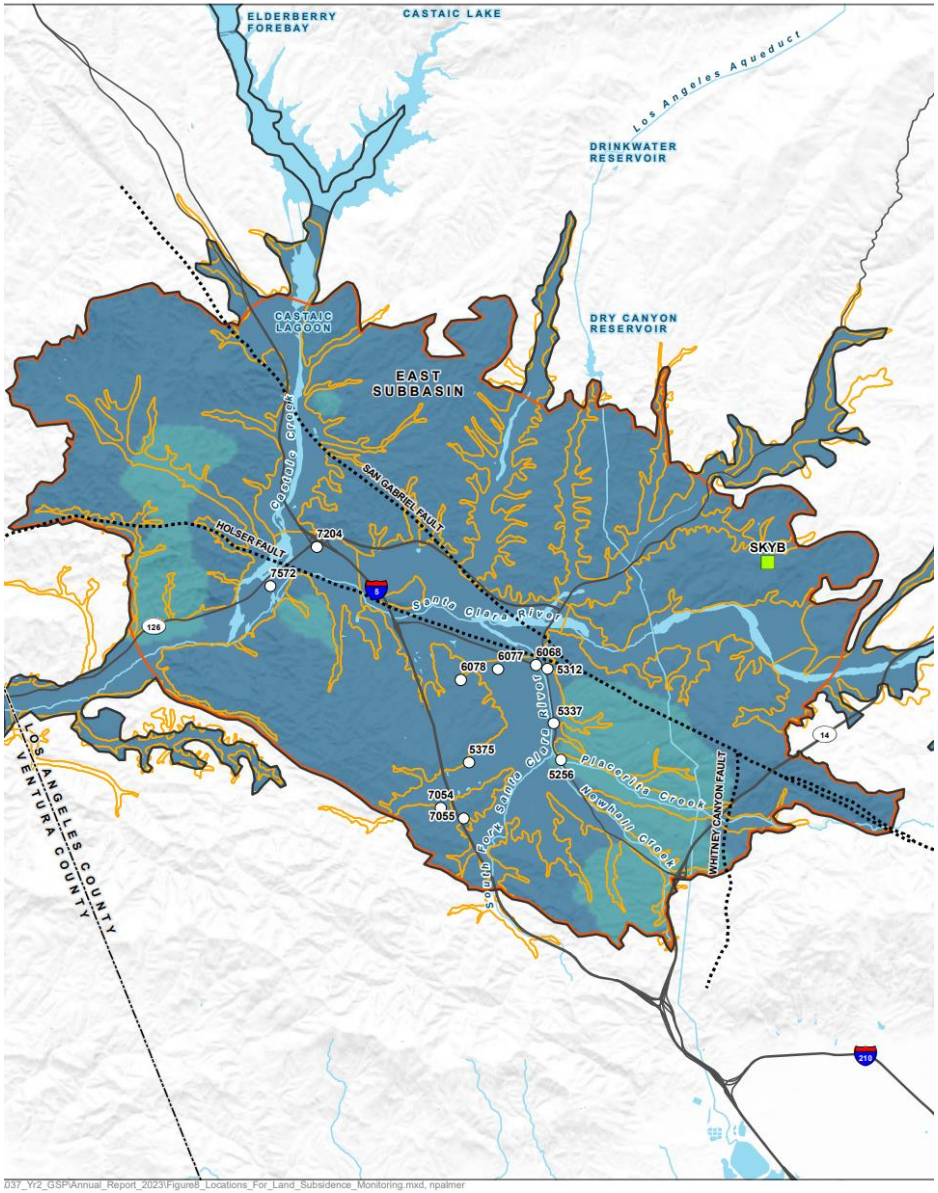

GSP IMPLEMENTATION

- Monitoring, Reporting and Outreach
- County Well Permitting
- Fiscal and Grants

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ACWA SGMA IMPLEMENTATION SUBCOMMITTEE

- October 10, 2024
- Team provided a presentation to the subcommittee
  - Explained groundwater basin conditions
  - Strategy to address DWR comments on Approved GSP regarding Water Quality

Good discussion with the subcommittee

SCV GSA approach received good feedback

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SIX MONTH LOOK AHEAD

- HCM Update is a significant team focus
- Outreach and communication with both De Minimis Well Owners, and Non-De Minimis Well owners will be a key focus
- Grant funded monitoring well construction is planned to commence
- Steps to Refine Coordination with County Well Permitting Agencies will be refined
- Annual Repot Adoption
- Latter part of this six-month period we will begin to plan public outreach steps for the 5 Year GSP Update

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Questions?

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