Quarterly Status Update of the Groundwater Sustainability Plan Implementation

SCV GSA Board Meeting
March 3, 2025
Item No. 3.2

KEY UPDATES

- Ongoing GSP Implementation
  - De Minimis Wells
  - Non De Minimis Wells
  - Basin wide well review
  - Upland GDE (June)
- Updating Hydrogeologic Conceptual Model
- GSP 5 Year Update- Key Steps
- Look Ahead

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KEY UPDATES-WELL OWNER OUTREACH

De Minimis

- Thirty-nine flyers mailed in January
- Response requested by March 1
- Limited Success
  - Twelve flyers returned undeliverable
  - No interest to SCV GSA email account yet

Non De Minimis

- Contacts Made
- Meeting with Non De Minimis Well Owners being set up- Target Date- April 2025

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KEY UPDATES-BASIN WELLS AND UPLAND GDE

Basin wide Review of Well Records

- Systematic flowchart development (well status, etc.).
  - Visibility of well from aerial photo
  - Well age
  - Land use change
  - Municipal distribution
  - Backflow system

Upland GDE Study

- **Draft Report received**
- **Study completion June**

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UPDATE HYDROGEOLOGIC CONCEPTUAL MODEL

Geologic Data Review	Records being organized (for 3D model) and reviewed for updated geologic description
	Lithologic Descriptions (fault offsets and different strata)
Geophysical Survey Field Work Completed	14 Day Duration
	Data processing and report writing will take ~3 weeks

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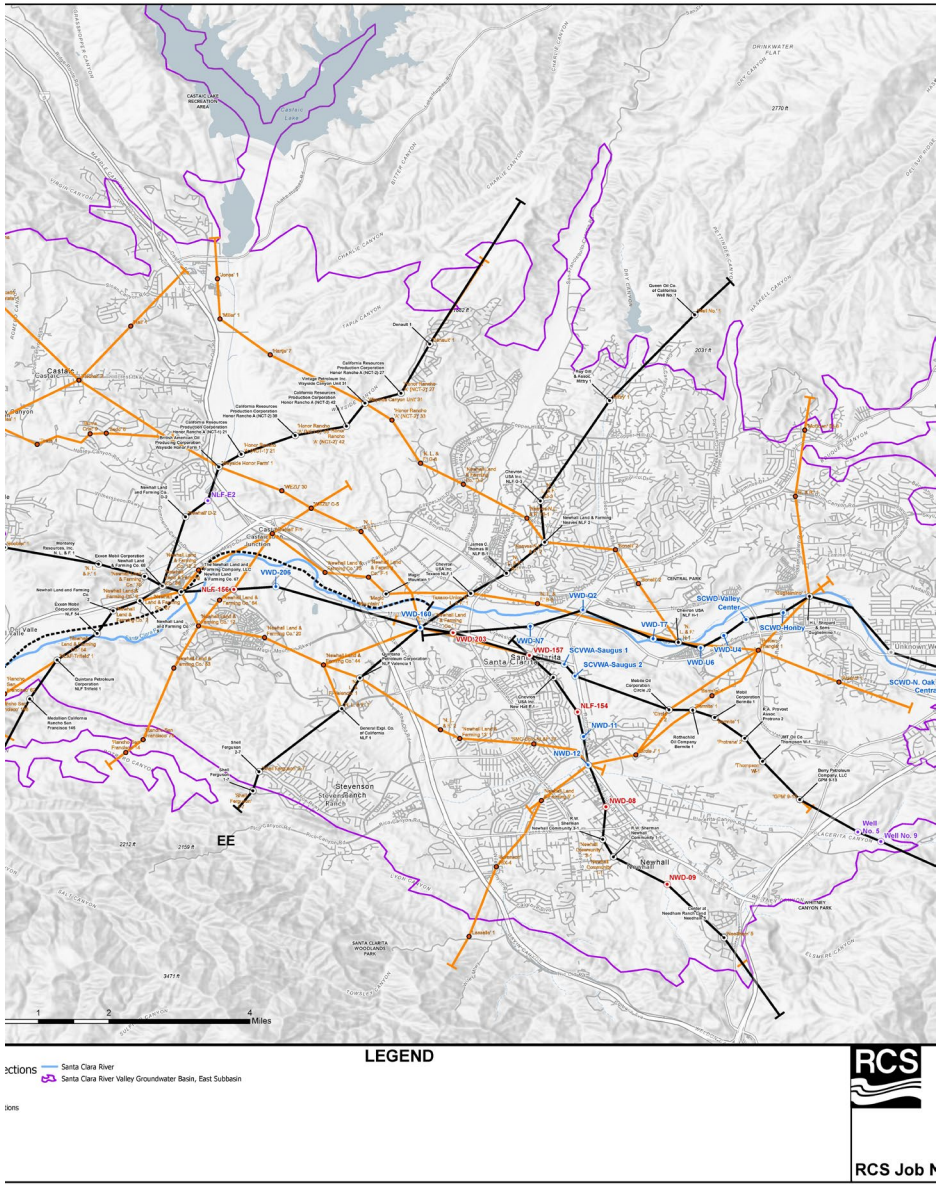
GEOLOGIC DATA REVIEW

Increased number of geologic cross sections (~2X)

Methodical review and classification of ~50+ well logs

Consideration of lithological changes between faults

Updated discussion about depositional history



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GEOPHYSICAL STUDY PLAN

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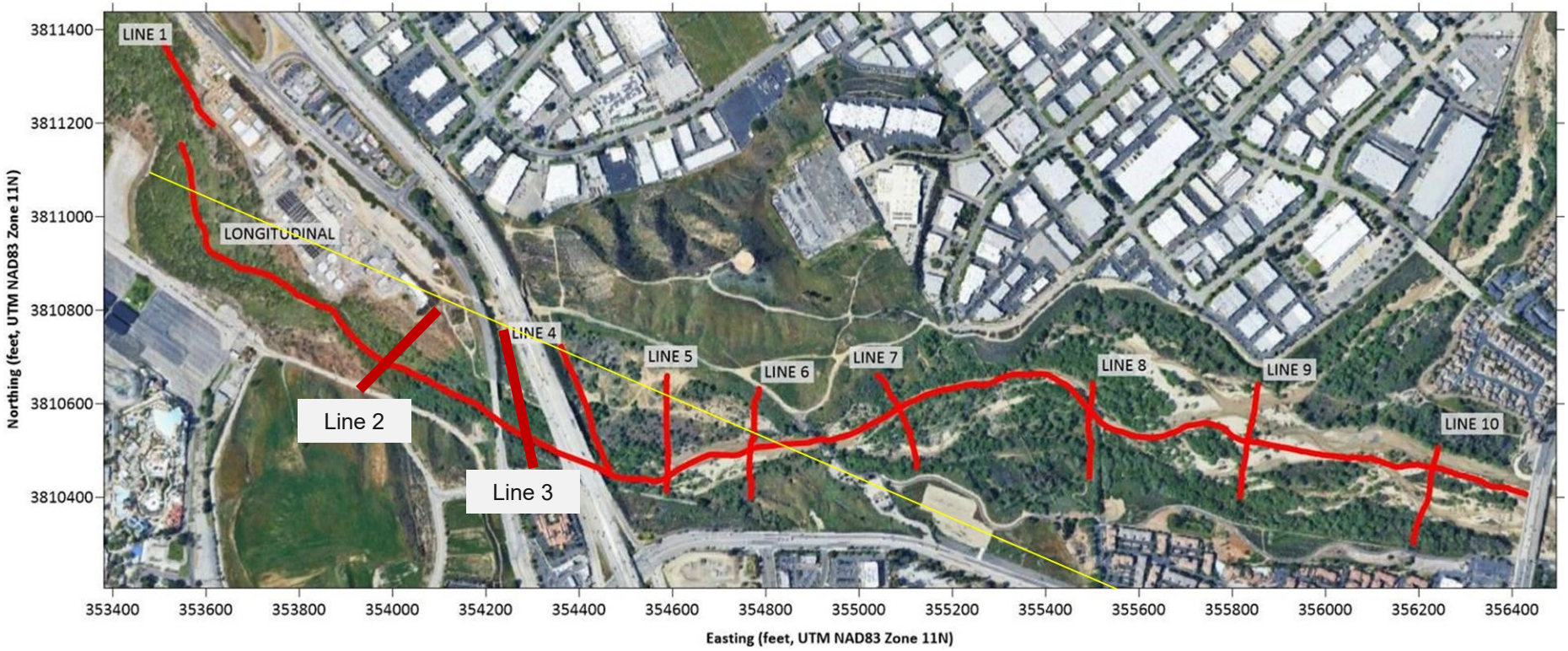
GEOPHYSICAL STUDY IN FIELD



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ELECTRIC RESISTIVITY SURVEY

Consultants inserting probe near I-5

Cross section near McBean

Data collection (3-4 hours each line)

Longitudinal line near Iron Horse Bridge

Longitudinal line near Old road bridge

- Each survey line in the cross section is 800-900 ft
- Data collected every 10 ft.
- Electrodes inserted 8-10 inch into the ground

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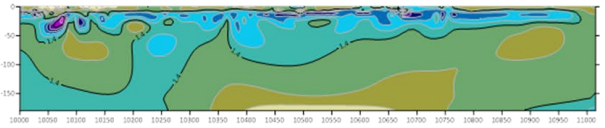
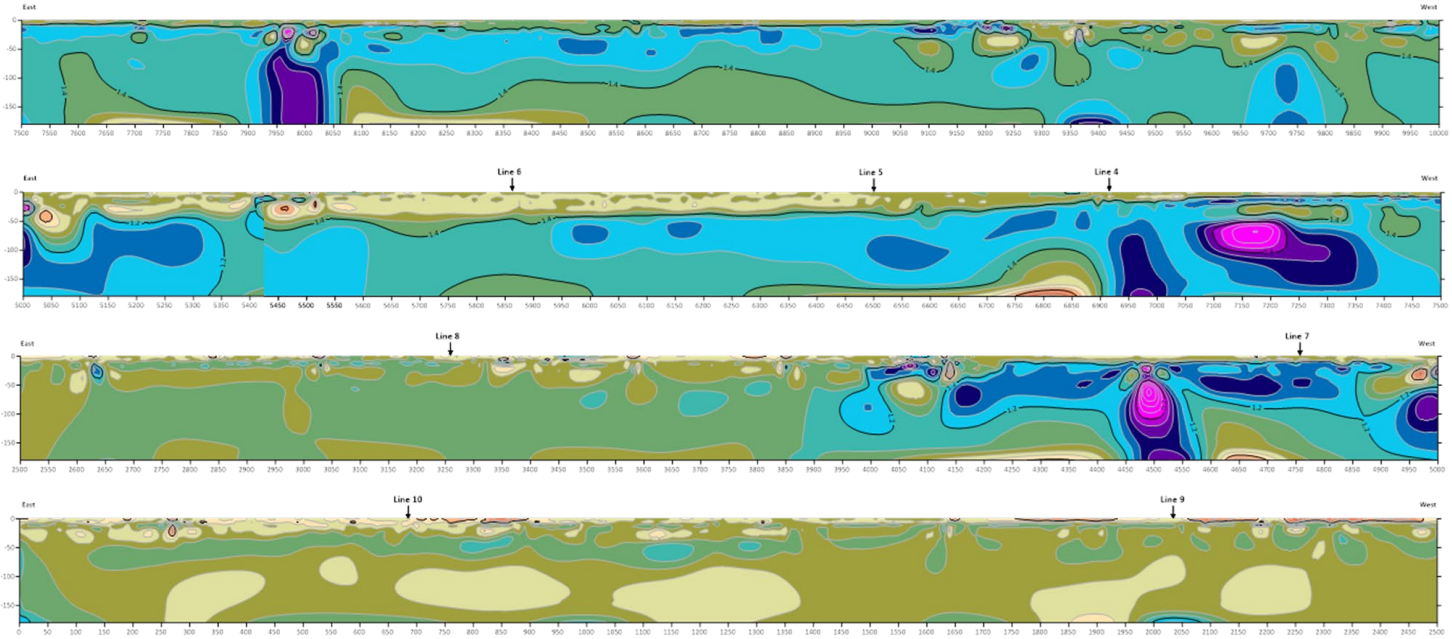
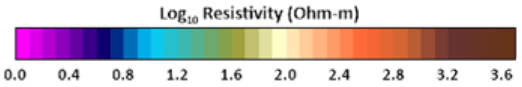
ELECTRIC RESISTIVITY (LONG SECTION)



- Resistivity data collected to identify changes in alluvial thickness.
- ~180-200 ft deep in the long section and ~150ft in the cross section
- Data is impacted by the presence of nearby subsurface infrastructures (I-5 bridge, electric poles)





Warmer: Coarse material
Cooler : Fine material.

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GSP 5 YEAR UPDATE PLANNING

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	Regional Model to Model that works on smaller scale
	Workshops
Water Resilience Initiative	Flowmodel Development
	Updated with HCM
	Modflow

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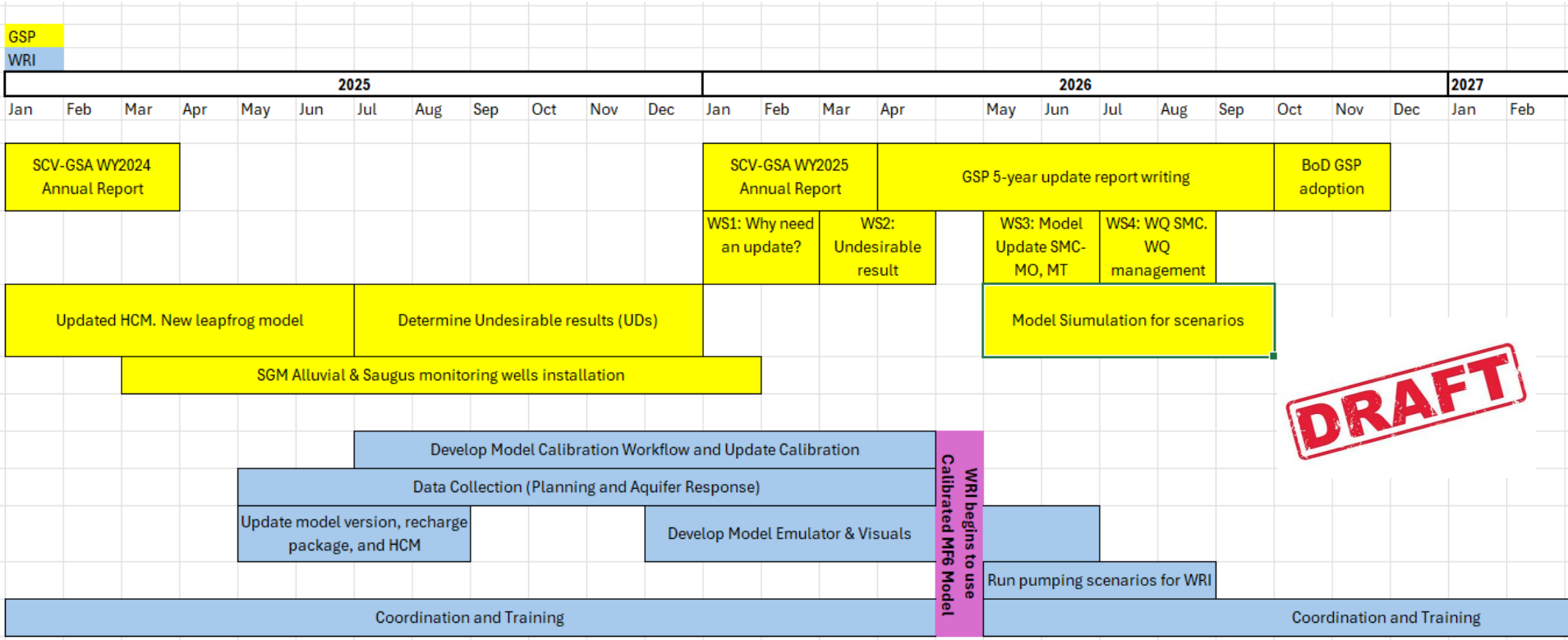
GSP 5 YEAR UPDATE | PLANNING



LOOKING AHEAD

- June 2025 BoD Meeting
- Budget
- Upland GDE
- Updates on Improvements to the HCM

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Questions?

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