Quarterly Status Update of Groundwater Sustainability Plan Implementation

SCV GSA Board Meeting
October 3, 2022
Item No. 4.4

GSP Implementation

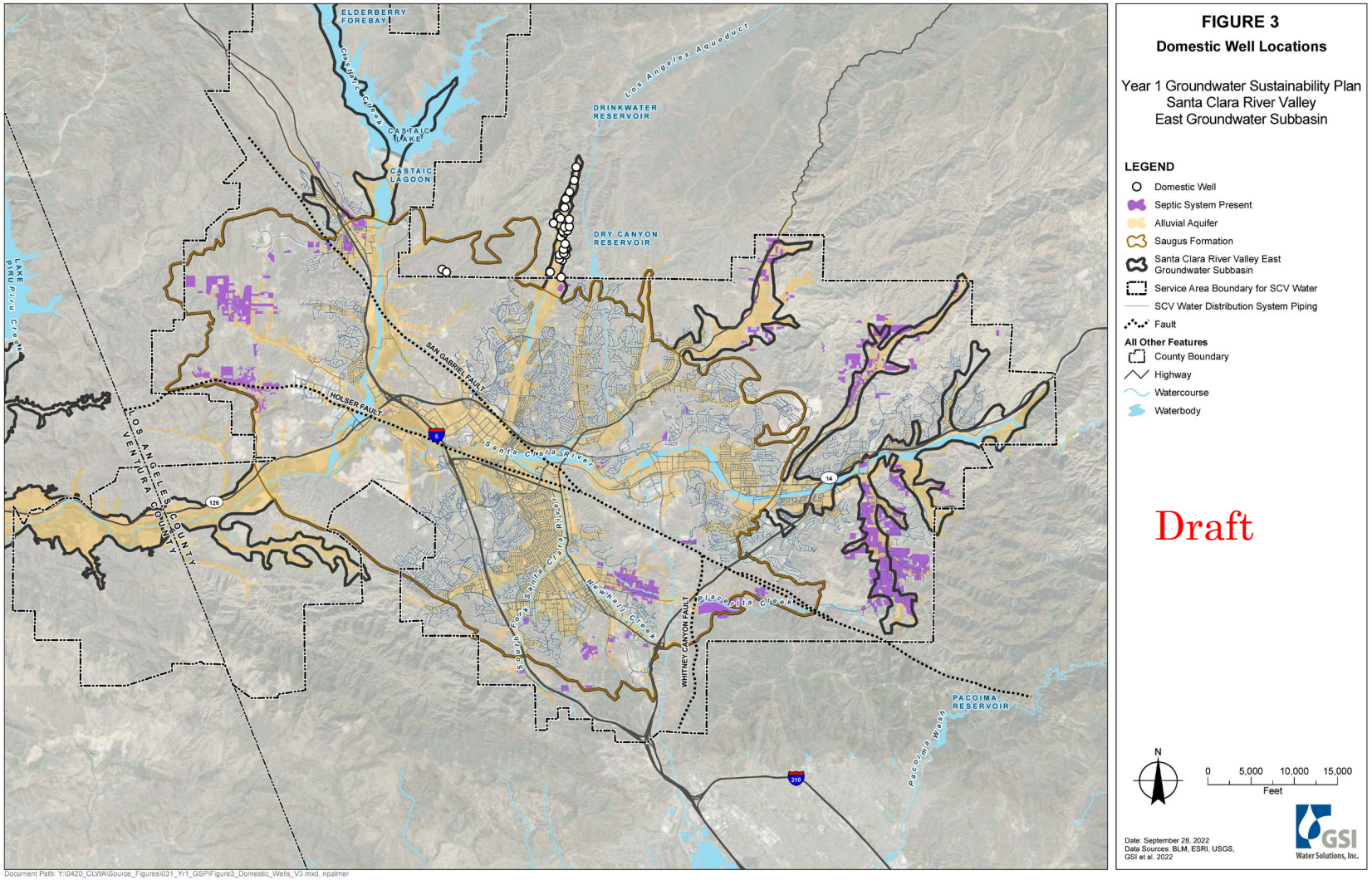
GSP Approval Process

- Ready to respond to DWR when it provides comments. DWR timing not known.

Implementation

- Consultant Proposals Approved
- Addressing Data Gaps
  - Domestic Wells and Groundwater Monitoring
  - Evaluation of non-de-minimis well locations (greater than 2AF/year
  - Land subsidence monitoring
- GDE Monitoring
- Monitoring, Reporting, and Outreach
- Promoting Best Water Use Practices
- Fiscal and Grants

Domestic Wells and Groundwater Monitoring



Evaluation for Wells Extracting more than 2AF/year

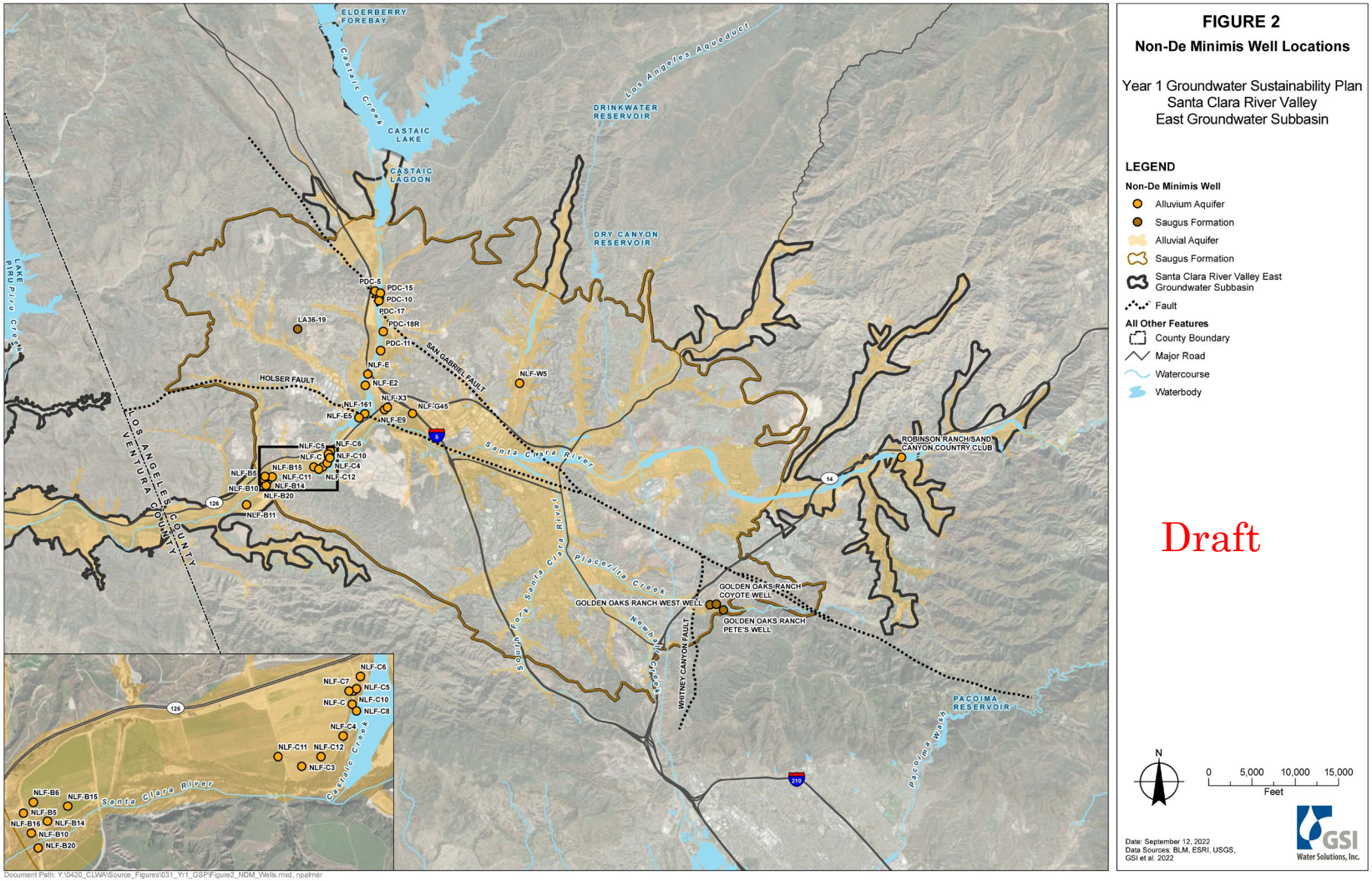


FIGURE 2

Non-De Minimis Well Locations

Year 1 Groundwater Sustainability Plan
Santa Clara River Valley
East Groundwater Subbasin

LEGEND

Non-De Minimis Well
- Alluvium Aquifer
- Saugus Formation

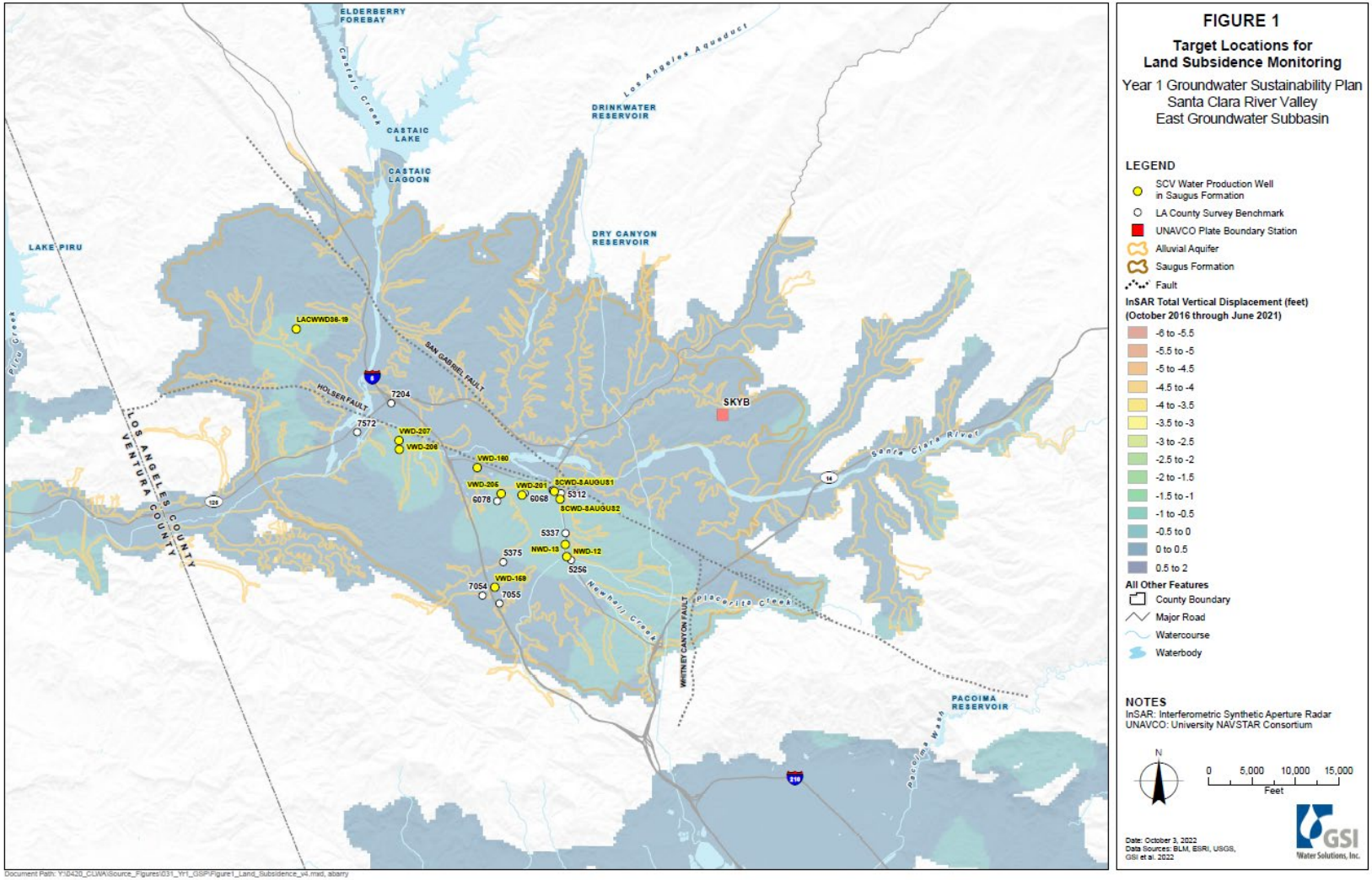
- Alluvial Aquifer
- Saugus Formation
- Santa Clara River Valley East Groundwater Subbasin
- Fault

All Other Features
- County Boundary
- Major Road
- Watercourse
- Waterbody

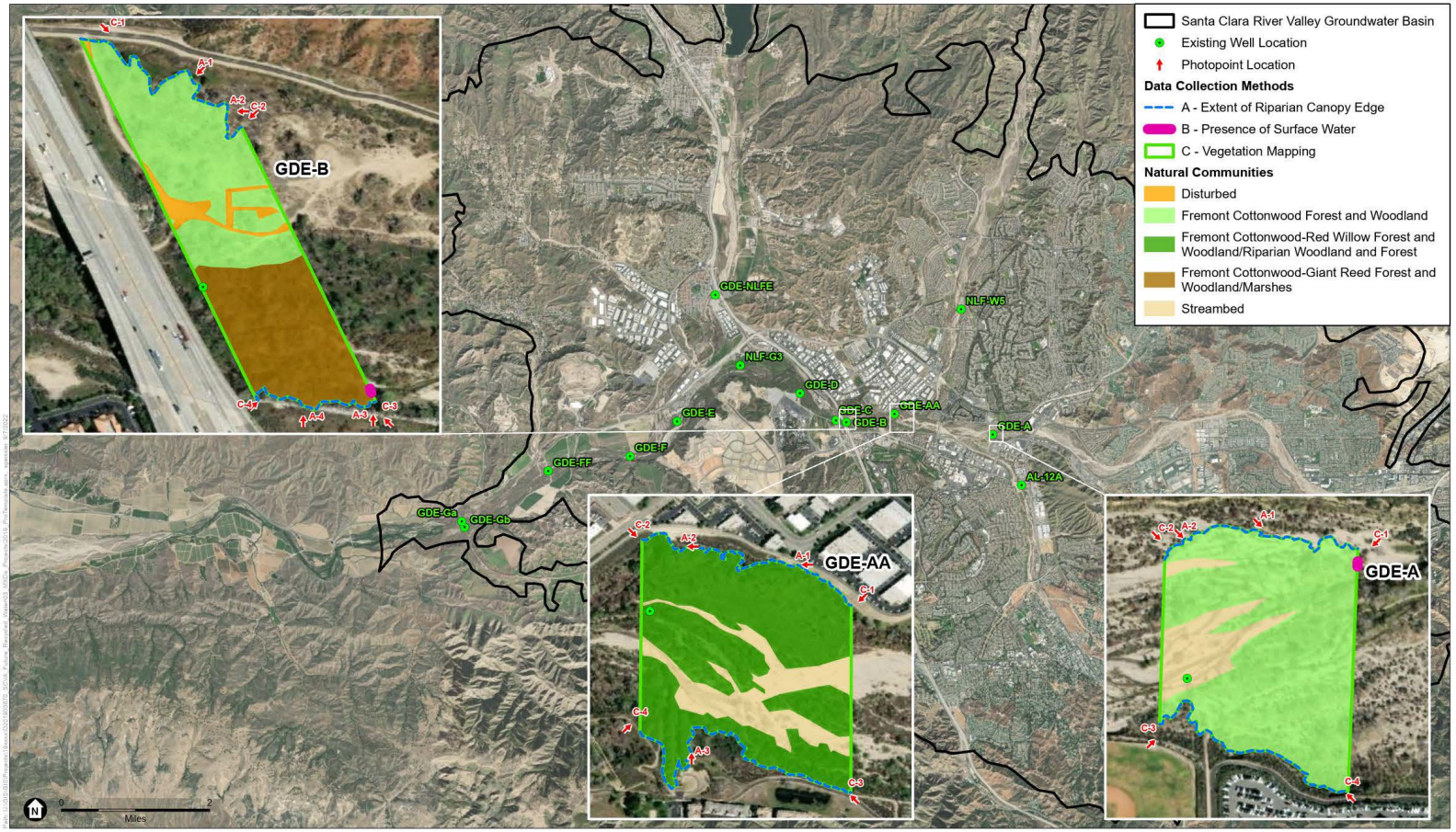
Draft

Document Path: Y:\0420_CLWA\Source_Figures\031_Yr1_GSP\Figure2_NDM_Wells.mxd, npalmer

Initial Screening for Land Subsidence Monitoring



Recent Biologic Survey (draft report)



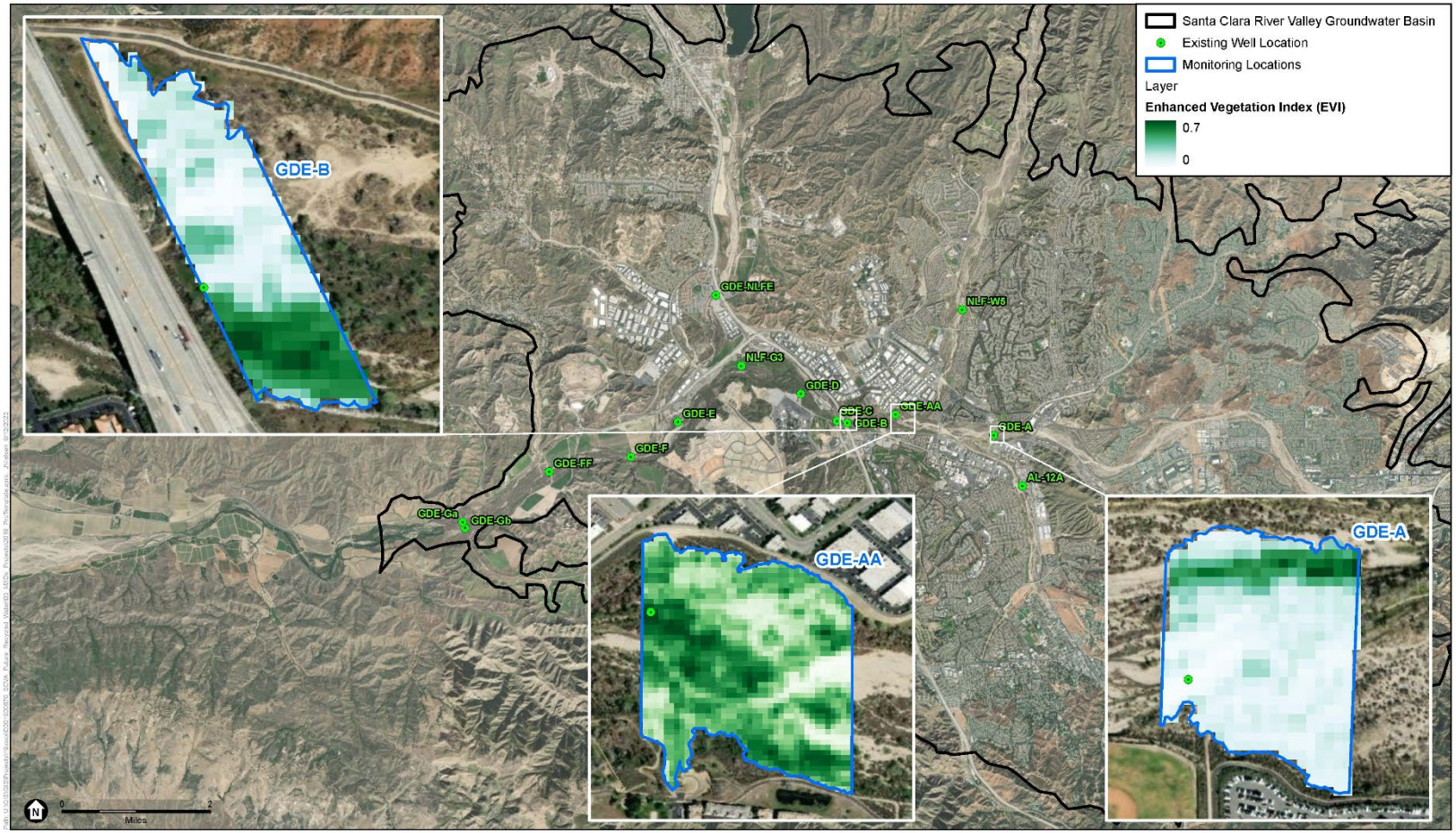
SOURCE: ESRI, 2020; ESA, 2022

Santa Clarita Valley Groundwater Sustainability Plan
Groundwater Dependent Ecosystem Monitoring Protocol

SURVEYED SCVGSA Monitoring Locations

ESA

Recent Biologic Survey (draft report)



SOURCE: ESRI, 2020; ESA, 2022

Santa Clarita Valley Groundwater Sustainability Plan
Groundwater Dependent Ecosystem Monitoring Protocol

Figure 2
Enhanced Vegetation Index Results

ESA

Recent biologic field work and next steps

- Surface water present in upstream and downstream locations.
- Edges of riparian canopy different degrees of stress, from none, to minor, to moderate
- A more senior biologist will review the field reports and consider other factors, such inputs to the river, local groundwater elevations and future expected groundwater elevations.
- Future monitoring data will be compared with this newly collected field data

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Monitoring Reporting and Outreach/Promoting Best Water Use Practices

- Coordinating with Five Point
- Water Levels remain above minimum thresholds

- SCV Water is actively encouraging water conservation.

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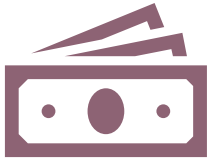
Fiscal and Grants



Ongoing grant administration

Quarterly Reports and Invoices

To date DWR has authorized reimbursement ~ $1.08M

SGM Grant

Direction provided by SCV GSA Board today

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Six Month Look Ahead

- Implementation under way
  - Technical work
    - Data gaps (water quality, water level, land surface)
    - Regular monitoring and reporting
    - GDE data collection
    - Groundwater flowmodel refinement with new data
  - Outreach
    - Monitoring, Meters, and BMPs
    - Working towards a data sharing agreement
- Grant Application

Conclusions

Significant progress this last quarter

- Consultant contracts initiated and work products being developed
- Initial baseline GDE monitoring completed
- Coordination with downstream

Looking forward

- Continued discuss with Board and Stakeholders regarding filling data gaps
- Additional effort may be undertaken with to comply with Governor's Executive Order regarding well permits

  Grant Application
- Coordination with downstream