

Quarterly Status Update of Groundwater Sustainability Plan Implementation



SCV GSA Board Meeting
January 9, 2023
Item No. 3.3

GSP Implementation

Implementation

- Contract Management
- Addressing Data Gaps
 - Domestic Wells
 - Non-de-minimis wells(greater than 2AF/year)
 - Land subsidence monitoring
 - Groundwater Flowmodel Refinement
 - GDE Monitoring
 - Data Management System
 - Monitoring, Reporting, and Outreach
- Promoting Best Water Use Practices
- County Well Permitting
- Fiscal and Grants

Groundwater Flowmodel Refinement

- In June we described refinement of the GSP's listed GDE triggers were expected to make them closer to the approach laid out in the GSP.
- Groundwater flowmodel refinement continues as planned and has benefitted by
 - Recent LiDar land elevation survey
 - Recent transects across Santa Clara River
 - Collection of ~9 months of groundwater elevation from GDE Wells A and B
 - Refinement of geologic cross sections through GDE-A and GDE-B
 - Other study

Groundwater Flowmodel Refinement

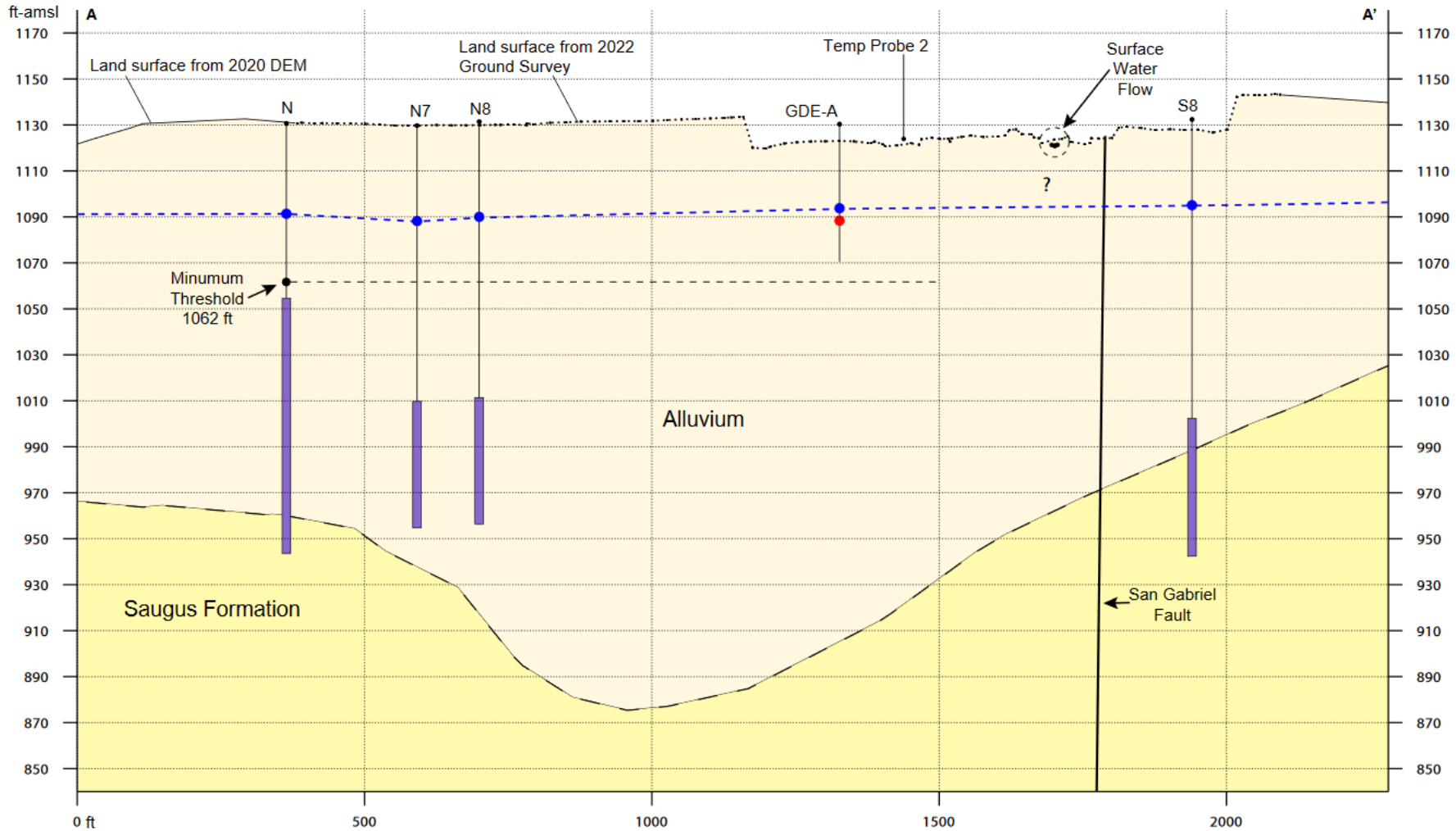
- Recall that the approach taken with GDE Triggers is that up stream of I-5, GDE Triggers would be set 2 feet above the minimum threshold for groundwater elevations.
- We have geologic cross sections still under development to better describe the concept with refinements better. We will share a draft today.
- As data gaps are being filled, we've identified triggers at GDE A and B are set higher than the GSP's "2 feet above the minimum threshold" and so revisions are planned.

South

Draft

GDE-A Cross Section

North



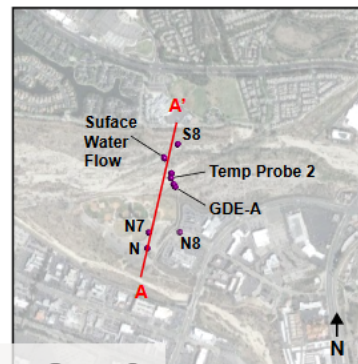
Projection Distances to Line

Well/Survey Point	Distance (ft)
N	1
N7	30
S8	78
Temp Probe 2	98
GDE-A	189
N8	407

Legend

- Water Levels (July 2022)
- GDE-A Trigger Level (1089 ft)
- - - Current Water Surface (July 2022)
- Recent Ground Surface Survey
- Geologic Model**
- Qa - Undifferentiated Alluvium
- QTs - Saugus Formation
- Fault System**
- San Gabriel Fault
- Well Type**
- Municipal

Notes
 ft- feet
 amsl- above mean sea level
 ?- unknown beneath wetted section
 ● - black solid circles are SCV Water surveyed ground surface elevations
 DEM - digital elevation model



Scale: 1:2,500

Vertical exaggeration: 4x



Geosyntec
 consultants

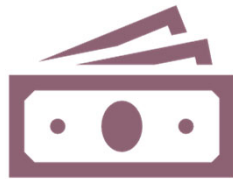
Baseline GDE Monitoring and Prelim GDE Evaluation

- Baseline GDE monitoring previously completed
- Initial GDE evaluation near completion
- As expected, given habitat condition (and need for trigger refinement) management actions not recommended
- Present first completed evaluation at next Board meeting if there is interest

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.

Fiscal and Grants



Ongoing grant administration

New Grant Application ~5.3M
Quarterly Reports and Invoices
To date DWR has authorized reimbursement ~ \$1.08M



SGM Grant

New Grant Application
~5.3M

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
- Annual Report Preparation
- DWR Decision on recent grant application
- Outreach
 - Monitoring, Meters, and BMPs
 - Working towards a data sharing agreement

Conclusions

Significant progress this last quarter

- Data gaps being filled
- Flowmodel refinement under way
- Contract for DMS initiated
- Initial baseline GDE monitoring completed, initial GDE evaluation completed
- Coordination with downstream

Looking forward

- Continued discuss with Board and Stakeholders regarding filling data gaps
- Well permitting is being tracked. Additional effort may be undertaken with to comply with Governor's Executive Order regarding well permits
- Coordination with downstream

End of Presentation