



Scope of Work and Fee Estimate

To: Stephanie Bertoux, Executive Director,
San Antonio Basin Groundwater Sustainability Agency

From: Sydney Robertson, GIT, Michael McAlpin, PG, & David O'Rourke, PG, CHg, PE,
GSI Water Solutions, Inc.

Date: July 10, 2025

RE: San Antonio Basin Groundwater Sustainability Agency Well Registration Program Well
Registration Data Review

GSI Water Solutions, Inc. (GSI), is pleased to present this scope of work (SOW) and fee estimate for review of the San Antonio Basin Groundwater Sustainability Agency (SABGSA) Well Registration Program well registration data to identify candidate wells to include the San Antonio Basin (Basin) Groundwater Level Monitoring Network (Monitoring Network; Figure 1). The SABGSA adopted Ordinance No. 2022-01 (Well Registration Program) requiring all landowners within the San Antonio Creek Valley Groundwater Basin (Basin) to complete a well registration form and file it with the SABGSA no later than March 31, 2023.

As outlined in the Groundwater Sustainability Plan (GSP), the need for all groundwater production wells, including wells used by “de minimis” pumpers, to be registered with the SABGSA was identified as a Tier 1 Management Action, and is a pre-cursor to the implementation of other projects and management actions vital to achieving sustainability. The data collected from well registration assisted the SABGSA in establishing the location and type of each well within the Basin and helped the SABGSA gain an accurate count and a better understanding of the wells in active use. Wells that were registered through the Well Registration Program are shown on Figure 2.

Although the existing groundwater level monitoring network satisfies the well density guidance cited in the California Department of Water Resources (DWR) Best Management Practices (BMPs), there are areas identified within the Basin (see Figure 3) where the addition of monitoring wells would improve the Basin hydrogeologic conceptual model (HCM). Two areas with low well density were identified for both principal aquifers (Paso Robles Formation and the Careaga Sand) in the Basin: the eastern uplands and the central to northwestern uplands. The addition of wells in these areas in the groundwater level monitoring network would minimize the uncertainty of groundwater elevation trends and benefit sustainable management of the Basin.

The review of the well registration data will not be limited to these low well density areas but will also consider replacement of existing Basin Monitoring Network wells with denied access, inability to monitor (e.g., collapsed casing or need for retrofitting), and unknown well construction information.

Scope of Work

A description of the tasks to be completed under this scope of work is included below.

Task 1 – Develop Scope of Work

This SOW was developed to guide the overall effort for the well registration data review process and provide a structured framework for executing the subsequent tasks of this project. The SOW intends to outline the project's objectives and define each major task in the entire workflow. GSI will complete a review of the well registration data acquired through the SABGSA Well Registration Program. The objective of the review is to supplement the existing Basin Monitoring Network with additional wells or replacement wells

Task 2 – Define Screening Criteria

This task will involve establishing parameters that would constitute a well as a viable addition to the Basin Monitoring Network. Screening parameter of the well registration data will include well type and condition, accessibility, available well construction information, and location. The ranking will consider principal aquifer of completion, areas of low well density, areas of historically identified groundwater depressions, areas of potential interconnected surface water, areas near faults, and proximity to existing Basin Monitoring Network wells with denied access or inability to monitor.

Task 3 – Compare with Existing Data Gaps

Data gaps within the existing monitoring network (as discussed in Section 5.3.2 of the Basin GSP) will be compared with wells with attributes that are determined to be an adequate supplementation to provide more substantial spatial and principal aquifer coverage throughout the Basin. This analysis will include a tabular and spatial analysis to compare the registered well data with the Basin Monitoring Network data and existing Basin Data Management System (DMS).

Task 4 – Prioritize Candidate Wells

The screening criteria defined in Task 2 will be applied to each well, and each well will be ranked based on satisfaction of the screening criteria. Higher ranked wells will be categorized as high priority for inclusion into the Basin Monitoring Network.

Task 5 – Technical Memorandum

Following the completion of the well registration data review, a brief memorandum will be generated to present the evaluation process including data and screening parameters, selection rationale, and final recommendations for additional wells to be incorporated into the Basin Monitoring Network.

General Assumptions

- The proposed work is intended to follow standard industry practices and protocols using common technologies.
- Following issuance of the memorandum, if information is subsequently provided to GSI that warrants report revisions or amendments, the additional work will be charged on a time-and-materials basis.

Statement of Limitations

GSI's work product is intended for use by the SABGSA and is not intended for reliance by third parties unless otherwise specified in this scope of work. If requested by SABGSA, a reliance letter will be reviewed and considered by GSI. Completion of a reliance letter may be subject to an additional fee and reliance will be subject to the same terms and conditions referenced above, dated July 10, 2025.

Fee Estimate

GSI's proposed fee to complete the tasks on a time-and-materials basis is **\$10,000**. The proposed budget is based on GSI's 2025 fee schedule (attached). The rates included in the 2025 fee schedule are valid through the 2025 calendar year and are subject to change thereafter. This budget will not be exceeded without the SABGSA's prior approval.

Tasks	Labor Hours	Labor Cost	Outside Services	Direct Expenses	Total
Task 1 – Develop Scope of Work	13	\$2,250	\$0	\$0	\$2,250
Task 2 – Screening Criteria	4	\$670	\$0	\$0	\$670
Task 3 – Compare with Existing Data Gaps	12	\$1,800	\$0	\$0	\$1,800
Task 4 – Prioritize Candidate Wells	8	\$1,340	\$0	\$0	\$1,340
Task 5 – Technical Memorandum	22	\$3,940	\$0	\$0	\$3,940
Project Totals	59	\$10,000	\$0	\$0	\$10,000

Schedule

GSI is prepared to begin work within two weeks of authorization.

We thank you for your consideration of this proposal and the opportunity to continue to serve the interests of the SABGSA.

Sincerely,
GSI Water Solutions, Inc.



Sydney Robertson, GIT
Project Hydrogeologist



Michael McAlpin, PG
Supervising Hydrogeologist



Dave O'Rourke, PG, CHG, PE
Principal Hydrogeologist

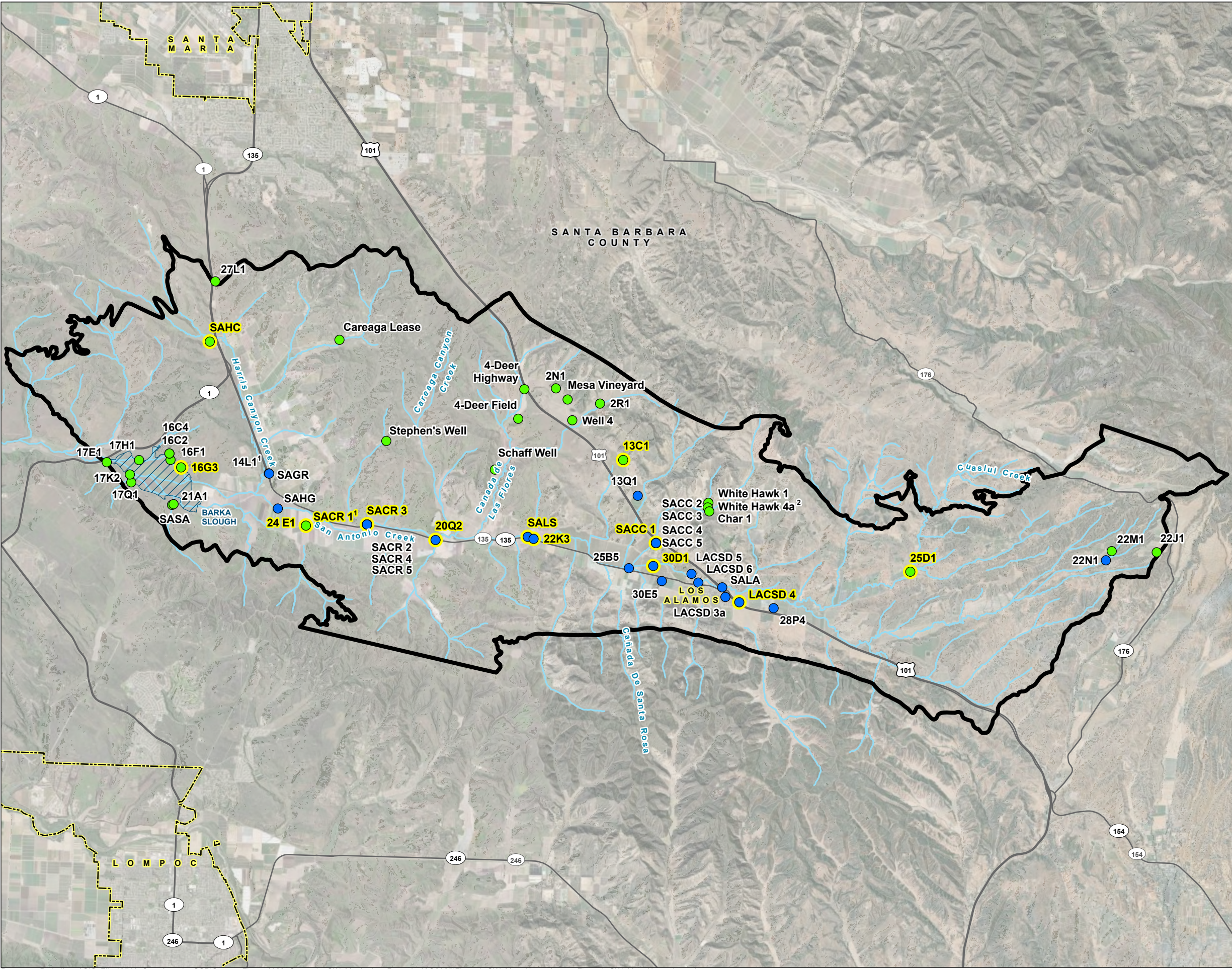


FIGURE 1
Wells Included in the
San Antonio Creek Valley
Groundwater Basin
Groundwater Level Monitoring
Network

San Antonio Creek Valley
Groundwater Basin

- LEGEND**
- Representative Well
 - All Other Features**
 - San Antonio Creek Valley Groundwater Basin
 - Barka Slough
 - City Boundary
 - Major Road
 - San Antonio Creek or Tributary
 - Wells (by screened aquifer)**
 - Screened Aquifer**
 - Paso Robles Formation
 - Careaga Sand

NOTES

1. SACR 1 and 14L1 are screened in the Careaga Sand.
2. White Hawk 4 was destroyed in December 2023.
Replacement well White Hawk 4a was constructed and completed in June 2024.

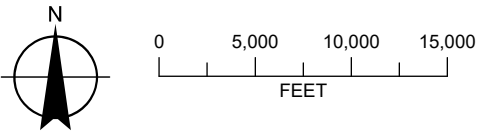
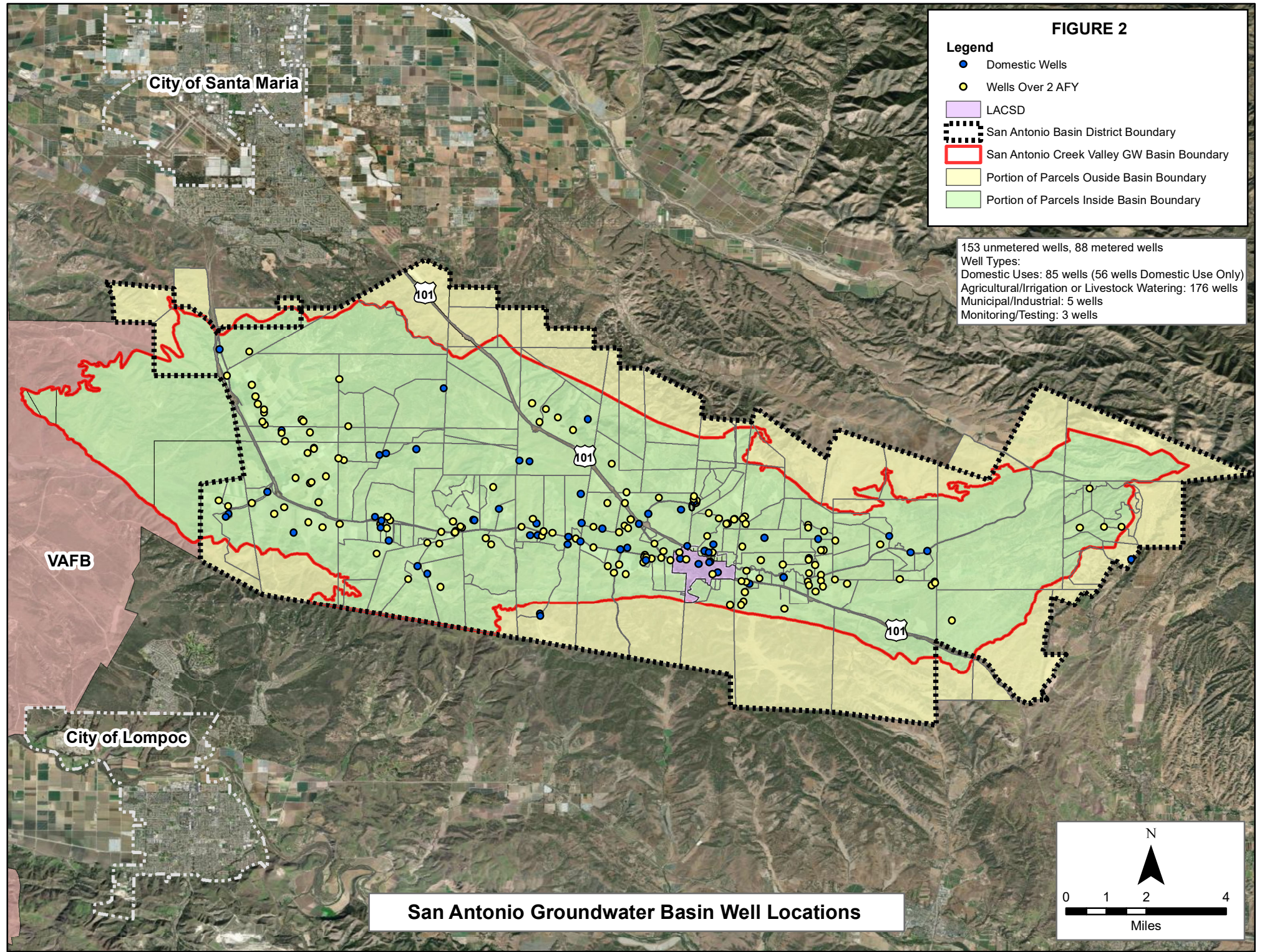


FIGURE 2

Legend

- Domestic Wells
- Wells Over 2 AFY
- LACSD
- ▬ San Antonio Basin District Boundary
- ▬ San Antonio Creek Valley GW Basin Boundary
- Portion of Parcels Outside Basin Boundary
- Portion of Parcels Inside Basin Boundary

153 unmetered wells, 88 metered wells
Well Types:
Domestic Uses: 85 wells (56 wells Domestic Use Only)
Agricultural/Irrigation or Livestock Watering: 176 wells
Municipal/Industrial: 5 wells
Monitoring/Testing: 3 wells



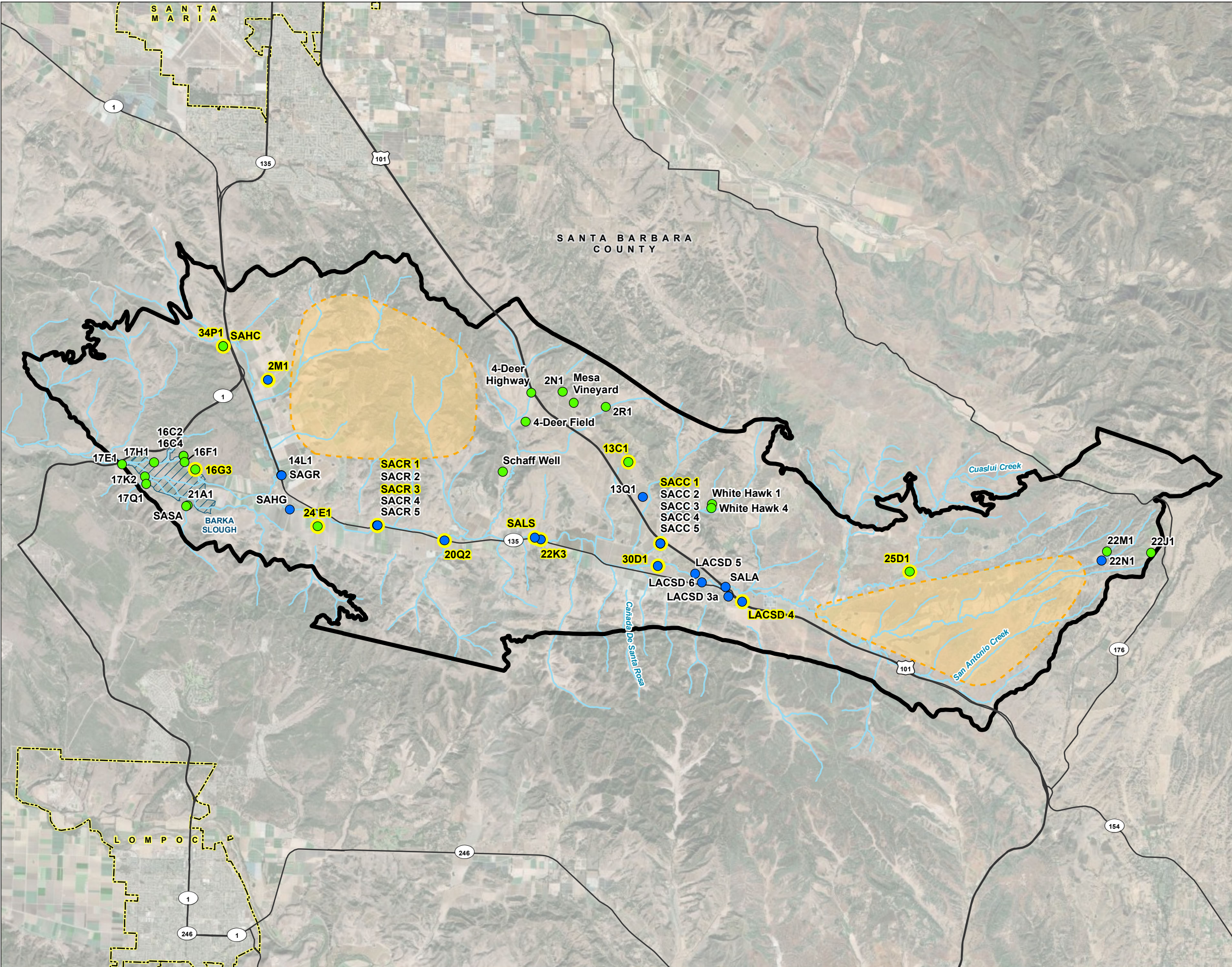


FIGURE 3
Groundwater Level
Monitoring Network -
Low Density Areas
 San Antonio Creek Valley
 Groundwater Basin

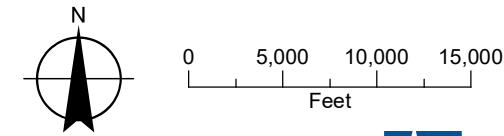
LEGEND

- Data Gap Area
- Representative Well
- Wells (by screened aquifer)**
 - Paso Robles Formation
 - Careaga Sand
- All Other Features**
 - San Antonio Creek or Tributary
 - Major Road
 - San Antonio Creek Valley Groundwater Basin
 - Barka Slough
 - City Boundary

NOTES

*SACR 1 and 14L1 are screened in the Careaga Sand.

San Antonio Creek Valley Groundwater Basin
 Boundary as defined in the California
 Department of Water Resources Bulletin 118.





2025 GSI Fee Schedule

Labor Category	Hourly Rate
Technical Professionals	
Principal	\$275 – \$360
Supervising	\$220 – \$310
Managing	\$175 – \$230
Consulting	\$155 – \$195
Project	\$140 – \$175
Staff	\$125 – \$160
Other Services	
GIS/Graphics/Database	\$130 – \$185
Editor/Documents	\$130 – \$155
Administration	\$95 – \$125

The hourly rate for trial preparation and expert witness testimony is 1.5 times the standard billing rate shown above.

Expenses

- **Mileage:** IRS authorized rate/mile plus 10 percent markup
- **Direct expenses and outside services:** Cost plus 10 percent markup
- **Enterprise GIS:** \$100 per month for the duration of use

**Hourly rates are subject to annual increases on the contract anniversary date.*