



SAN ANTONIO BASIN GROUNDWATER SUSTAINABILITY AGENCY

NOTICE OF PUBLIC MEETING

NOTICE IS HEREBY GIVEN that the San Antonio Basin Groundwater Sustainability Agency (“Agency” or “SABGSA”) Board of Directors (“Board”) will hold its regular **Board Meeting** at **6:00 P.M.** on **Tuesday, January 17, 2023**, at the **Los Alamos Community Services District** located at **82 St. Joseph Street, Los Alamos, CA 93440**. Virtual options are available for public participation.¹

Join Zoom Meeting:

<https://us06web.zoom.us/j/83127401605?pwd=WHpIQmZTR2hoY2NWa3J2MDczbnhtUT09>

Meeting ID: 831 2740 1605 Passcode: 203727

Dial: (669) 900 6833

SAN ANTONIO BASIN GROUNDWATER SUSTAINABILITY AGENCY (SABGSA)

BOARD OF DIRECTORS MEETING AGENDA

Tuesday, January 17, 2023

1. CALL TO ORDER and ROLL CALL

2. PLEDGE OF ALLEGIANCE

3. PUBLIC COMMENTS ON ITEMS NOT APPEARING ON THE AGENDA

The Board will receive public comments on items not appearing on the agenda and within the subject matter jurisdiction of the Agency. The Board will not enter into a detailed discussion, answer questions, or take any action on any items presented during public comments. At the Board’s discretion, any issue raised during Public Comment may be referred to the Executive Director or other staff for administrative action or scheduled on a subsequent agenda for discussion. Persons wishing to speak on specific agenda items should do so at the time specified for those items. The presiding Chair shall limit public comments to no more than three minutes.

4. CONSENT ITEMS

a. Approve Minutes from November 15, 2022, Regular Meeting

b. Agency Finances, Budget, and Training

- i. The Board will receive a report from the accountant regarding finances and expenses.
- ii. The Board will receive a report regarding training.

5. INFORMATIONAL ITEMS

a. Executive Director Update

- Update on activities performed by the Executive Director

b. San Antonio Basin Water District Update

- Update on San Antonio Basin Water District activities

c. Advisory Committee Updates

- Update on Advisory Committee

d. Board Member Updates

- Board members will provide any updates relevant to the SABGSA

¹ SABGSA will make reasonable efforts to make the meeting accessible virtually; however, if one of the virtual options are unavailable due to technological issues, you are invited to take advantage of the other options, including in-person attendance.

6. DISCUSSION AND ACTION ITEMS

a. **Appointment of Patrice Mosby to the SABGSA Board of Directors and Discussion of Alternate Directors**

The Board will discuss the appointment of Patrice Mosby to the SABGSA Board of Directors in the vineyards representational category replacing Patrick Huguenard and discuss potential alternates for the vineyard and row crop representational categories for SABWD's consideration.

b. **Consider Electing Officers for 2023 for SABGSA Board of Directors**

Pursuant to Article 8 of the Joint Exercise of Powers Agreement, the San Antonio Basin Groundwater Sustainability Agency Board of Directors shall elect Officers – Chair, Vice Chair, Secretary, and Treasurer – annually for one (1) year terms by a majority vote. The Board may take action on this item.

c. **Discuss the Q4 2022 Groundwater Level Monitoring Report**

The Board will review and discuss the San Antonio Creek Valley Groundwater Basin [Q4 2022 Groundwater Level Monitoring Report](#). The Board may take action and/or provide specific direction to SABGSA staff and/or GSI Water Solutions related to this item.

d. **Consider a Proposal from GSI Water Solutions to Provide Quarterly Water Level Monitoring and Reporting in the San Antonio Creek Valley Basin**

The Board will review and discuss the proposed scope of work and associated fees for GSI Water Solutions to continue providing monitoring and reporting services for calendar year 2023. The Board may take action and/or provide specific direction to SABGSA staff and/or GSI Water Solutions related to this item.

e. **Consider a Proposal from GSI Water Solutions to Provide Planning and Oversight of Vegetation Trimming Along Access Trails to Wells Near Barka Slough**

The Board will review and discuss the proposed scope of work and associated fees for GSI Water Solutions to provide planning and oversight of vegetation trimming along access trails to wells near Barks Slough that are included in SABGSA's Groundwater Level Monitoring Network. The Board may take action and/or provide specific direction to SABGSA staff and/or GSI Water Solutions related to this item.

f. **Discuss SABGSA's Application to the Department of Water Resources (DWR) to Obtain a SGMA Implementation Grant Under the 2021 Sustainable Groundwater Management Grant (SGM) Program**

The Board will receive an update on the final scope of work and budget included in [SABGSA's grant application](#) submitted to the Department of Water Resources to fund projects and management actions outlined in the GSP.

g. **Discuss DWR's Airborne Electromagnetic (AEM) Survey for the San Antonio Creek Valley Groundwater Basin.**

The Board will receive an overview of [DWR's Statewide Airborne Electromagnetic \(AEM\) Survey Project](#) that includes the San Antonio Creek Valley Groundwater Basin. DWR requests that the SABGSA share maps showing areas of interest for data collection, complete the Existing Data Fact Sheet and designate a Point of Contact. The Board may take action and/or provide specific direction to SABGSA staff and/or GSI Water Solutions related to this item.

8. ADJOURN

NEXT MEETING: February 21, 2023, at 6pm



SAN ANTONIO BASIN GROUNDWATER SUSTAINABILITY AGENCY
SAN ANTONIO BASIN GROUNDWATER SUSTAINABILITY AGENCY (SABGSA)
BOARD OF DIRECTORS MEETING
UNAPPROVED MINUTES
Tuesday, November 15, 2022

1. **CALL TO ORDER and ROLL CALL** – The meeting was called to order by President Sharer at 6:00pm at the Los Alamos Community Services District, 82 St. Joseph Street, Los Alamos, CA. Members of the public had the option to participate virtually or in-person.

Board of Directors Present: Tom Durant, Alternate Richard Kline, Kevin Merrill, Kenny Pata, Randy Sharer, Chris Wrather

Alternates present, but not acting on behalf of a Director: Eric Pooler, Patrice Mosby, Jim Stollberg

Directors Absent: Dan Chabot, Juan Gomez, Pat Huguenard

2. **PLEDGE OF ALLEGIANCE**

3. **PUBLIC COMMENTS ON ITEMS NOT APPEARING ON THE AGENDA**

No public comments received.

4. **CONSENT ITEMS**

- a. **Approve Minutes from October 18, 2022, SABGSA Board Meeting**

Motion by Director Durant, second by Director Pata to approve the minutes of the October 18, 2022, Board meeting as presented.

Ayes: Tom Durant, Alternate Richard Kline, Kevin Merrill, Kenny Pata, Randy Sharer, Chris Wrather

Nos: None; **Absent:** Dan Chabot, Juan Gomez, Pat Huguenard; **Abstain:** None.

- b. **Agency Finances, Budgeting, and Training**

Motion by Director Merrill, second by Alternate Director Kline to approve the October 31, 2022 financial report as presented.

Ayes: Tom Durant, Alternate Richard Kline, Kevin Merrill, Kenny Pata, Randy Sharer, Chris Wrather

Nos: None; **Absent:** Dan Chabot, Juan Gomez, Pat Huguenard; **Abstain:** None.

- c. **Second reading (by Title only) and Adoption of Ordinance No. 22-001 Establishing SABGSA Rules and Regulations and Requiring Landowners to Complete a Well Registration Form and making related findings for an exemption from the California Environmental Quality Act.**

Motion by Director Wrather, second by Director Merrill to adopt Ordinance 22-001 as presented.

Ayes: Tom Durant, Alternate Richard Kline, Kevin Merrill, Kenny Pata, Randy Sharer, Chris Wrather

Nos: None; **Absent:** Dan Chabot, Juan Gomez, Pat Huguenard; **Abstain:** None.

5. **INFORMATIONAL ITEMS**

- a. **Executive Director Updates**

- No report. All updates covered under item 6 on the agenda.

b. San Antonio Basin Water District Update

SABWD Executive Director Donna Glass reported that \$577,203 has been collected to date for assessments levied for FY 2022-23. The SABWD Board approved a letter of support for the SABGSA's grant application to the Department of Water Resources.

c. Advisory Committee Updates

The Advisory Committee did not meet in November 2022.

d. Board Member Updates

No report.

6. DISCUSSION AND ACTION ITEMS

a. Discuss and Consider Landowner Correspondence Regarding Implementation of the Well Registration Program

The Board reviewed the draft correspondence with landowners within the Basin regarding the implementation of the Well Registration Program including cover letters to landowners within the San Antonio Basin Water District and Los Alamos Community Services District boundaries, instructions to find the latitude/longitude of their well, and a Frequently Asked Questions document.

Motion by Director Wrather, second by Alternate Director Kline to approve the cover letters to landowners within the San Antonio Basin Water District and Los Alamos Community Services District boundaries, instructions to find the latitude/longitude of their well and the Frequently Asked Questions document as presented for the Well Registration Program.

Ayes: Tom Durant, Alternate Richard Kline, Kevin Merrill, Kenny Pata, Randy Sharer, Chris Wrather

Nos: None; **Absent:** Dan Chabot, Juan Gomez, Pat Huguenard; **Abstain:** None.

b. Consider a Proposal from Wallace Group to Provide Support for Landowner Communication and Data Storage for the Well Registration Program

The Board reviewed the proposed scope of work and associated fees for Wallace Group to assist the SABGSA with the implementation of the Well Registration Program.

Motion by Director Merrill, second by Director Durant to approve the proposal from Wallace Group to provide support for landowner communication and data storage for the Well Registration Program as presented.

Ayes: Tom Durant, Alternate Richard Kline, Kevin Merrill, Kenny Pata, Randy Sharer, Chris Wrather

Nos: None; **Absent:** Dan Chabot, Juan Gomez, Pat Huguenard; **Abstain:** None.

c. Discuss SABGSA's Application to the Department of Water Resources (DWR) to Obtain a SGMA Implementation Grant Under the 2021 Sustainable Groundwater Management Grant (SGM) Program

GSI Water Solutions, Inc. provided an update on the status of the grant application. The SABGSA is requesting funding for the implementation of projects and management actions outlined in the GSP including Monitoring, Maintenance, and Expansion of the Basin's Monitoring Networks, Groundwater Pumping Fee Program, Water Use Efficiency Programs, Survey and Investigate Potential GDEs and Further Characterize Barka Slough, Annual GSP Reporting, and Aquifer Recharge Feasibility Study. The current cost estimate for all components and tasks is \$1,855,000. It was suggested that the scope of the grant be expanded to include updating and bolstering the Data Management System and Grant Administration. As part of the grant application, the SABGSA must list the top funding priority. It was discussed and agreed that the Pumping Fee Program

which includes the Well Registration and Metering Programs would be the top priority. The deadline for the grant application has been extended to December 16, 2022.

Motion by Director Merrill, second by Director Durant to approve the increased scope of the grant application to include expansion of the data management system and grant administration tasks with a total funding request for the grant not to exceed \$2,500,000 and authorize SABGSA Board President Randy Sharer and Secretary/Executive Director Stephanie Bertoux to review and approved the final grant application and submit the application to the Department of Water Resources.

Ayes: Tom Durant, Alternate Richard Kline, Kevin Merrill, Kenny Pata, Randy Sharer, Chris Wrather

Nos: None; **Absent:** Dan Chabot, Juan Gomez, Pat Huguenard; **Abstain:** None.

d. Discuss SABGSA Check Signing Authority and Bank Signature Card for New Accounts

Motion by Alternate Director Kline, second by Director Pata to authorize SABGSA's accountant Carrie Troup to open a new checking account and money market account at Community Bank of Santa Maria, transfer funds from both existing accounts and then close the existing accounts and authorize SABGSA's accountant Carrie Troup, Board President Randy Sharer, Director Kevin Merrill, and Board Secretary/Executive Director Stephanie Bertoux as authorized signers on the checking and money market accounts.

Ayes: Tom Durant, Alternate Richard Kline, Kevin Merrill, Kenny Pata, Randy Sharer, Chris Wrather

Nos: None; **Absent:** Dan Chabot, Juan Gomez, Pat Huguenard; **Abstain:** None.

8. NEXT MEETING: January 17, 2023 at Los Alamos Community Services District

9. ADJOURN - 7:05pm

Please contact Stephanie Bertoux at admin@sanantoniobasinga.org with any questions.

San Antonio Basin GSA
Profit & Loss Budget vs. Actual
 July through December 2022

50% of the year has elapsed	<u>Jul - Dec 22</u>	<u>Budget</u>	<u>\$ Over Budget</u>	<u>% of Budget</u>
Ordinary Income/Expense				
Income				
01 DWR Grant #1 Payments	0.00	29,000.00	-29,000.00	0.0%
01 DWR Grant #2 Payments	40,852.88	63,000.00	-22,147.12	64.85%
4-Interest Income	6.30			
Total Income	<u>40,859.18</u>	<u>92,000.00</u>	<u>-51,140.82</u>	<u>44.41%</u>
Expense				
Administration and Operation				
01Administrative Exp/Office Ex	25,721.40	91,000.00	-65,278.60	28.27%
02-Accountant	3,250.00	10,000.00	-6,750.00	32.5%
03-Comm Eng Grant Wrtnng NonGSP	0.00	35,000.00	-35,000.00	0.0%
04-Monitoring	11,298.01	63,145.00	-51,846.99	17.89%
05-Legal Counsel	49,493.23	80,000.00	-30,506.77	61.87%
06-Insurance	1,734.00	2,500.00	-766.00	69.36%
07-Audit Fees	780.00	3,500.00	-2,720.00	22.29%
09-GSP Related Costs-Annual Rep	1,116.50	75,000.00	-73,883.50	1.49%
10-GSP Implementation / PMAs	64,973.25	226,500.00	-161,526.75	28.69%
11- Executive Order	0.00	25,000.00	-25,000.00	0.0%
Total Administration and Operation	<u>158,366.39</u>	<u>611,645.00</u>	<u>-453,278.61</u>	<u>25.89%</u>
Total Expense	<u>158,366.39</u>	<u>611,645.00</u>	<u>-453,278.61</u>	<u>25.89%</u>
Net Ordinary Income	-117,507.21	-519,645.00	402,137.79	22.61%
Other Income/Expense				
Other Income				
11 Operating Transfers	152,000.00	762,300.00	-610,300.00	19.94%
Total Other Income	<u>152,000.00</u>	<u>762,300.00</u>	<u>-610,300.00</u>	<u>19.94%</u>
Other Expense				
Contingency (10%)	0.00	242,655.00	-242,655.00	0.0%
Total Other Expense	<u>0.00</u>	<u>242,655.00</u>	<u>-242,655.00</u>	<u>0.0%</u>
Net Other Income	<u>152,000.00</u>	<u>519,645.00</u>	<u>-367,645.00</u>	<u>29.25%</u>
Net Income	<u><u>34,492.79</u></u>	<u><u>0.00</u></u>	<u><u>34,492.79</u></u>	<u><u>100.0%</u></u>

San Antonio Basin GSA

Balance Sheet

As of December 31, 2022

Dec 31, 22

ASSETS

Current Assets

Checking/Savings

Community Bank of Santa Maria 37,063.98

Community Bank of SM MMKT -2449 25,023.32

Total Checking/Savings 62,087.30

Total Current Assets 62,087.30

TOTAL ASSETS 62,087.30

LIABILITIES & EQUITY

Equity

Retained Earnings 27,594.51

Net Income 34,492.79

Total Equity 62,087.30

TOTAL LIABILITIES & EQUITY 62,087.30

San Antonio Basin GSA Expenses by Vendor Detail

December 2022

	<u>Type</u>	<u>Date</u>	<u>Num</u>	<u>Account</u>	<u>Split</u>	<u>Amount</u>
BERTOUX & COMPANY						
	Check	12/28/2022	2353	01Administrative Exp/Office Ex	Community Bank of Santa Maria	5,000.00
	Check	12/28/2022	2360	01Administrative Exp/Office Ex	Community Bank of Santa Maria	<u>146.30</u>
Total BERTOUX & COMPANY						5,146.30
Brownstein Hyatt Farber Schreck						
	Check	12/28/2022	2354	05-Legal Counsel	Community Bank of Santa Maria	<u>5,922.50</u>
Total Brownstein Hyatt Farber Schreck						5,922.50
Cachuma Resource Conservation District						
	Check	12/28/2022	2355	01Administrative Exp/Office Ex	Community Bank of Santa Maria	<u>71.88</u>
Total Cachuma Resource Conservation District						71.88
Carrie Troup, C.P.A.						
	Check	12/28/2022	2362	02-Accountant	Community Bank of Santa Maria	<u>675.00</u>
Total Carrie Troup, C.P.A.						675.00
GSI WATER SOLUTIONS, INC.						
	Check	12/28/2022	2356	10-GSP Implementation / PMAs	Community Bank of Santa Maria	20,527.50
	Check	12/28/2022	2357	09-GSP Related Costs-Annual Rep	Community Bank of Santa Maria	1,071.50
	Check	12/28/2022	2358	10-GSP Implementation / PMAs	Community Bank of Santa Maria	4,458.75
	Check	12/28/2022	2359	04-Monitoring	Community Bank of Santa Maria	<u>210.00</u>
Total GSI WATER SOLUTIONS, INC.						26,267.75
Los Alamos CSD						
	Check	12/28/2022	2361	01Administrative Exp/Office Ex	Community Bank of Santa Maria	<u>200.00</u>
Total Los Alamos CSD						200.00
TOTAL						<u><u>38,283.43</u></u>

**SAN ANTONIO BASIN GROUNDWATER SUSTAINABILITY AGENCY
ACCOUNTS RECEIVABLE**

Name	Total per agreement	Amount Invoiced	Amount Paid	Invoices Due	Retention Due
DWR Agreement A	300,000.00				
DWR 4600012675 Inv #1		16,690.68	16,690.68	-	1,854.52
DWR 4600012675 Inv #2		8,118.26	8,118.26	-	902.03
DWR 4600012675 Inv #3		3,312.97	3,312.97	-	368.11
DWR 4600012675 Inv #4		2,750.75	2,750.75	-	305.64
DWR 4600012675 Inv #5		1,968.90	1,968.90	-	218.77
DWR 4600012675 Inv #6		5,129.04	5,129.04	-	569.89
DWR 4600012675 Inv #7		34,047.11	34,047.11	-	3,783.01
DWR 4600012675 Inv #8A		30,533.31	30,533.31	-	3,392.59
DWR 4600012675 Inv #9A		28,065.35	28,065.35	-	3,118.37
DWR 4600012675 Inv #10A		34,725.16	34,725.16	-	3,858.35
DWR 4600012675 Inv #11A		35,988.84	35,988.84	-	3,998.76
DWR 4600012675 Inv #12A		46,747.57	46,747.58	-	5,194.16
DWR 4600012675 Inv #13A		10,321.78	10,321.78	-	1,146.86
DWR 4600012675 Inv #14A		850.50	850.50	-	94.50
Total Grant A	300,000.00			Adj.	(0.13)
		259,250.22	259,250.23	-	28,805.44
DWR Agreement B	249,400.00				
DWR 4600012675 Inv #8B		8,032.57	8,032.57	-	892.51
DWR 4600012675 Inv #9B		28,772.16	28,772.16	-	3,196.91
DWR 4600012675 Inv #10B		24,128.96	24,128.96	-	2,681.00
DWR 4600012675 Inv #11B		27,580.90	27,580.90	-	3,064.54
DWR 4600012675 Inv #12B		41,750.42	41,750.42	-	4,638.94
DWR 4600012675 Inv #13B		36,955.38	36,955.38	-	4,106.15
DWR 4600012675 Inv #14B		40,852.88	40,852.88	-	4,539.21
Total Grant B	249,400.00			Adj.	(3,086.95)
		208,073.27	208,073.27	-	20,032.30
				Invoices Due	Retention Due

Total Due (Grants A and B)

48,837.74



January 11, 2023

Stephanie Bertoux
Executive Director
San Antonio Basin Groundwater Sustainability Agency
930A Nysted Drive
Solvang, CA 93463
admin@sanantoniobasinga.org

Dear Ms. Bertoux,

GSI Water Solutions (GSI) is pleased to present this proposal to provide continued quarterly groundwater monitoring and reporting services in 2023 to support the ongoing groundwater monitoring effort in the San Antonio Creek Valley Groundwater Basin (Basin). GSI is providing this proposal at the request of the San Antonio Basin Groundwater Sustainability Agency (SABGSA) based on email correspondence between GSI and Ms. Bertoux (SABGSA Executive Director) on January 3, 2023.

Scope of Work

Task 1: Quarterly Groundwater Water Level Monitoring

Groundwater level measurements will be collected manually on a quarterly basis in the 38 accessible wells included in the Basin Groundwater Level Monitoring Network. The SABGSA may identify additional wells that will be incorporated into the monitoring network. Water level data will be collected at more frequent intervals using existing data-recording pressure transducers (transducers) installed in 10 of the 38 wells. GSI will download water level data from the transducers and calibrate with manual depth to water readings on a quarterly basis. In the event of transducer failure, GSI will coordinate the removal, replacement, and installation of the transducer. For budgeting purposes, it is assumed that one transducer and data cable will need to be replaced each year.

Prior to each quarterly monitoring event, GSI will contact well owners to coordinate access to the wells and request that well owners shut off the well for at least 8 hours before the monitoring event so that a static measurement can be obtained. If access to any of the wells is restricted, water levels may not be measured in affected wells. GSI will conduct a good faith effort to access each well. GSI will contact well owners of wells that we have been identified as potentially useful monitoring points and attempt to facilitate access to these wells through access agreements.

Task 2: Quarterly Reporting and Upload Water Levels to the SGMA Portal

At the conclusion of each quarterly monitoring event, GSI will generate a brief technical memorandum (TM) that presents an overview of that quarter's monitoring activities and a table of the results of the groundwater level monitoring. The intent of these reports is to regularly update the SABGSA on the status of the monitoring program. Additionally, the quarterly reports memorialize important changes in the monitoring program that may influence data collection and can be reviewed at a later date. The quarterly TMs will be provided to SABGSA within two weeks after each monitoring event and provide the following information:

- Summary tables listing measured depth to groundwater and groundwater elevation in each monitoring well,
- Maps of the well locations in the monitoring network, including access status and updates for the addition or removal of wells from the network,
- Summary of noteworthy observations or differences between monitoring events, including but not limited to well access, changes in reference points, equipment repairs/replacements, and challenges associated with data collection, and
- Recommendations for future monitoring events.

Per Sustainable Groundwater Management Act (SGMA) regulations and Water Code §10933(e)(2), the SABGSA is required to upload seasonal water level measurements that provide sufficient information to demonstrate seasonal and long-term trends in groundwater elevations. The California Department of Water Resources (DWR) has historically defined seasonal measurement periods as spring (January 1 to June 30) and fall (July 1 to December 31). The SABGSA must collect a minimum of one measurement per season, for all wells included in the Basin's Monitoring Network Module on the SGMA Portal (Portal). These measurements must be submitted to the Portal by July 1 for spring and January 1 for fall. Task 2 includes the upload of Basin water level measurements for spring 2023 to the Portal by July 1, 2023.

Budget

The budget to complete the proposed scope of work is presented below.

Description	Labor Hours	Labor Cost	Direct Expenses	Total
Task 1 – Quarterly Water Level Monitoring	228	\$35,800	\$4,500	\$40,300
Task 2 – Quarterly Reporting and Upload Water Levels to the SGMA Portal	61	\$9,700	–	\$9,700
Project Totals	289	\$45,500	\$4,500	\$50,000

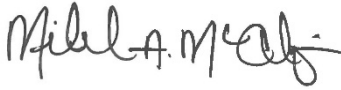
The work will be performed on a time and materials basis for an amount that will not exceed the authorized budget unless approved by SABGSA. We propose to perform this work in accordance with the terms of GSI's On-Call Hydrogeological Services contract for fiscal year 2022-2023 with the SABGSA. GSI has provided this budget estimate assuming that the wells are accessible, access issues do not delay the field staff, and equipment functions as intended. We will notify you if we encounter circumstances that cause us to spend more time in the field than budgeted. GSI cannot be responsible for circumstances requiring a pump to be pulled and reset if a sounder gets stuck, unless GSI made the mistake (e.g., Stevens well). We believe we now know what wells are problematic and so we hope that this circumstance does not arise again.

Schedule

We are prepared to begin work on this project within 4 weeks of your authorization to proceed. We estimate that each monitoring event will take 2 days in the field to complete, assuming that all site access approvals have been provided.

We appreciate this opportunity to continue to assist SABGSA in managing the Basin's shared groundwater resources. Please do not hesitate to contact us with questions about this proposal.

Sincerely,
GSI Water Solutions, Inc.



Michael McAlpin, PG
Consulting Hydrogeologist



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

Approval

You may indicate your approval of this proposal by signing on the space provided below.

Approved by

Date



January 9, 2023

Stephanie Bertoux
Executive Director
San Antonio Basin Groundwater Sustainability Agency (SABGSA)
930A Nysted Drive
Solvang, CA 93463
admin@sanantoniobasingsa.org

Dear Ms. Bertoux:

GSI Water Solutions (GSI) is pleased to present this scope of work and budget for performing planning and oversight of vegetation trimming for the San Antonio Basin Groundwater Sustainability Agency's (SABGSA) consideration. Vegetation trimming is proposed along the access trails to wells included in the San Antonio Creek Valley Groundwater Basin's (Basin) Groundwater Level Monitoring Network near Barka Slough. GSI has developed this proposal based on recommendations included in the Basin's 2022 Quarterly Groundwater Level Monitoring Technical Memoranda and at the request of Ms. Bertoux, SABGSA Executive Director, during a telephone call on August 19, 2022.

Vegetation along access trails to monitoring wells included in the Basin's Groundwater Level Monitoring network, specifically on Vandenberg Space Force Base (VSFB) Property near Barka Slough, has become overgrown with poison oak and is a safety concern for personnel trying to access the wells during the Basin's quarterly groundwater level monitoring events. Historically, these access trails were maintained by the U.S. Geological Survey (USGS) when the USGS managed the groundwater level monitoring network. Access trails to nine wells (see orange highlighted wells in attached Figure 1), totaling approximately 3,200 feet of trails are proposed for vegetation trimming. In general, vegetation to be trimmed consists of coyote bush, poison oak, and bull rush. Additionally, we plan to install a tall marker, such as PVC tubing or similar, adjacent to the wells to serve as a landmark that can be seen from afar so that well locations may not be lost if vegetation were to become too dense.

In May 2022, GSI spoke with Mr. Kenneth Damako of VSFB regarding the proposed vegetation trimming on VSFB property. Mr. Damako recalled USGS formerly completing the vegetation trimming. Mr. Damako communicated with the VSFB Environmental Team regarding environmental concerns related to the proposed vegetation trimming. The VSFB Environmental Team indicated there were no constraints identified if the work was completed after the end of bird nesting season (approximately August 15). Mr. Damako indicated that VSFB does not have a preferred contractor to complete the work. Contractors performing work on VSFB must be citizens of the U.S. and complete an orientation to receive a VSFB contractor pass.

Scope of Work

GSI solicited quotes from contractors for vegetation trimming as described above. SABGSA's legal counsel has determined this scope of work to be classified as prevailing wage. GSI understands the contractors would contract directly with GSI. GSI's scope of work and cost estimate described herein for the vegetation trimming includes developing a scope of work for the contractor(s), soliciting quotes from qualified contractors, scheduling/coordinating field work, completing any VSFB orientation, conducting oversight of the field effort, and installing the PVC tubing. These services would be performed at the specific direction of the Executive Director in

accordance with the terms of GSI's On-Call Hydrogeological Services contract for fiscal year 2022-2023 with the SABGSA. These services would be performed on a time and materials basis that will not exceed the authorized budget without written approval by the SABGSA Executive Director.

Budget

The estimated budget to complete GSI's proposed scope of work is included below.

Tasks	Labor Hours	Labor Cost	Outside Services	Direct Expenses	Total
Task 1 – Develop Scope of Work, Solicit Quotes, and Scheduling	15	\$2,600	–	–	\$2,600
Task 2 ¹ – Attend VSFB Orientation, Vegetation Trimming, and Install PVC Tubing	38	\$5,400	\$10,100 ²	\$1,900	\$17,400
Project Totals	53	\$8,000	\$10,100	\$1,900	\$20,000

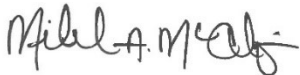
¹ Task 2 includes budget for up to 3 days to complete the proposed scope of work.

² Cut and Clean Landscape Services, Inc. quote attached. Price shown includes a 10 percent subcontractor markup.

Schedule

The scheduling of this work is dependent on contractor availability. We thank you for your consideration of this proposal. Please contact us if you have any questions. Thank you for allowing GSI to continue to serve the interests of the SABGSA.

Sincerely,
GSI Water Solutions, Inc.



Michael McAlpin, PG
Consulting Hydrogeologist



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

Approval

You may indicate your approval of this proposal by signing on the space provided below.

Approved by

Date

State Well #	Site Name	Access Agreement
009N034W34N002S	SAHC	Existing Access Agreement
008N034W21A002S	SASA	Existing Access Agreement
008N034W14L002S	SAGR	Existing Access Agreement
008N034W23H001S	SAHG	Existing Access Agreement
008N033W19K002S	SACR 1	Existing Access Agreement
008N033W19K002S	SACR 2	Existing Access Agreement
008N033W19K004S	SACR 3	Existing Access Agreement
008N033W19K005S	SACR 4	Existing Access Agreement
008N033W19K002S	SACR 5	Existing Access Agreement
008N034W02M001S	2M1	Existing Access Agreement
008N034W14L001S	14L1	Existing Access Agreement
009N034W34P001S	34P1	Existing Access Agreement
008N034W17Q001S	17Q1	Existing Access Agreement
008N034W21A001S	21A1	Existing Access Agreement
008N034W17K002S	17K2	Existing Access Agreement
008N034W17E001S	17E1	Existing Access Agreement
008N034W16C002S	16C2	Existing Access Agreement
008N034W16C004S	16C4	Existing Access Agreement
008N034W17H001S	17H1	Existing Access Agreement
008N034W16F001S	16F1	Existing Access Agreement
008N034W16G003S	16G3	Existing Access Agreement
008N033W07	Stephen's Well	Existing Access Agreement
008N034W24E001S	24 E1	Access Agreement Pending
008N033W20Q002S	20Q2	Access Agreement Pending
009N034W27L001S	27L1	Access Agreement Pending
008N034W36R	Careaga Lease	Declined Access Agreement

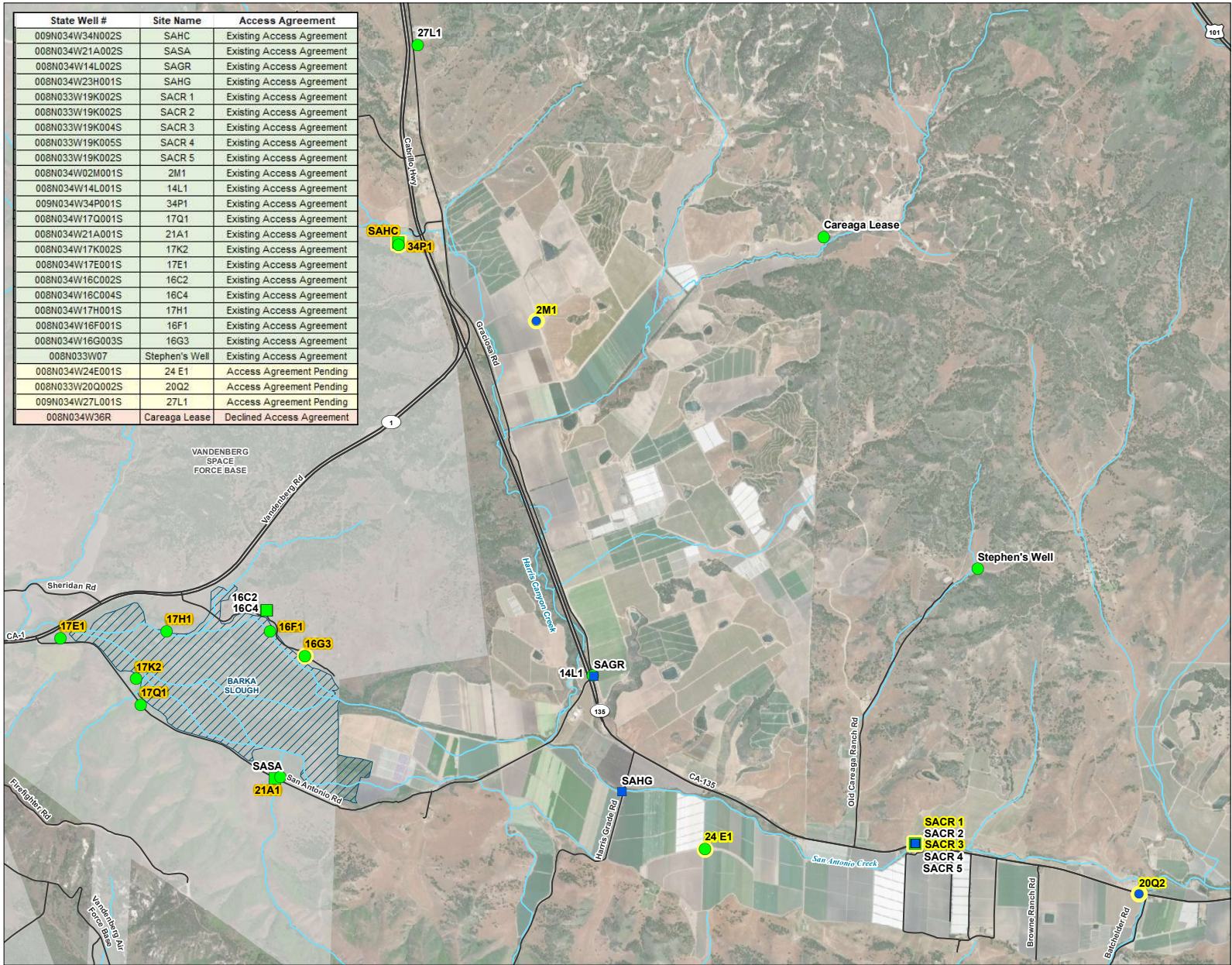
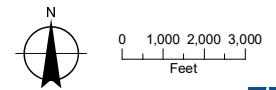


FIGURE 1
Wells Located in
the Western Portion of
the San Antonio Creek Valley
Groundwater Basin
 San Antonio Creek Valley
 Groundwater Basin
 First Quarter 2022 Report

- LEGEND**
- Sample Method**
- Transducer Well
 - Manually Measured Well
- Aquifer of Completion**
- Careaga Sand Well
 - Paso Robles Formation Well
- Representative Monitoring Site**
- Representative Monitoring Site
- All Other Features**
- ▨ Barka Slough
 - ▨ Vandenberg Space Force Base
 - Major Road
 - ~ Watercourse

NOTES:

- SACR 1 is screened in the Careaga Sand.
- SACR 1, SACR 2, SACR 3, and SACR 4 depth to water measurements are collected manually on a quarterly basis.



Date: March 23, 2022
 Data Sources:



CUT & CLEAN LANDSCAPE
SERVICES, INC.

758 Calle Plano
Camarillo, CA. 93012

info@cutncleanlandscapes.com

Estimate

Date	Estimate #
9/29/2022	220

Name / Address
GSI Water Solutions Inc Michael McAlpin Vandenberg Space Force Base Lompoc, CA 93436

Project	
Description	Total
<p>****SCOPE OF WORK****</p> <p>-Grubbing pathways at 8 sites, approximately totaling 3200' in length -Create a pathway from San Antonio Creek Road East to Well Heads as shown by customer. Location-San Antonio Road East - Barka Slough, Vandenberg Space Force Base</p> <p>Equipment / Fuel</p> <p>Laborers / Operator, Foreman</p> <p>Equipment used will be a skid steer with a 6' rotary mower attachment. Area with reeds might need to be cleared with hand tools. All material will be cut and mulched in place.</p> <p>Notes - Any work stoppage orders from customer or Base personnel, will be billed at a 2 hour minimum of \$60.00 labor rate per crew member. - Cut & Clean will not be responsible for any Biological Concerns. GSI representative will monitor any biological concerns</p>	<p>2,200.00</p> <p>6,955.00</p>
All work is done to customers satisfaction!	Total \$9,155.00



California's Statewide Airborne Electromagnetic (AEM) Surveys

Existing Data Fact Sheet

California Department of Water Resources
Sustainable Groundwater Management Program

April 2022

Project overview

DWR will conduct airborne electromagnetic (AEM) surveys in California using funds available through Proposition 68. The AEM method is a geophysical method where data are collected from instruments towed beneath a helicopter. AEM data can be interpreted for continuous images of large-scale aquifer structure and provide a standardized, statewide dataset that supports the implementation of SGMA.

DWR will conduct surveys in all High and Medium Priority basins and data will be collected in a coarse grid. DWR will define flight lines and orient them to ensure data are collected over important areas (e.g. areas with known data gaps, adjacent to critical infrastructure, or where GSAs are considering recharge).

Why existing data are needed

Existing data support and ensure reliable processing and interpretation of AEM data. The locations of existing data should be incorporated into flight line planning so that the AEM survey lines are oriented close to the location of the existing data. The following types of existing data are needed to support the AEM surveys:

- Lithology logs
- Geophysical data (surface and logging)

Request for existing data

DWR will obtain existing data that are readily available through statewide data management systems (DMSs). However, some of these data may not be high-quality and some datasets may not cover an entire basin. GSAs and counties may have high-quality data that are not available through a statewide DMS or may have tabulated data that were obtained from a statewide DMS. The integration of all existing, high-quality data into the AEM survey process ensures accurate and reliable AEM data. **DWR requests that GSAs provide DWR with their high-quality lithology and geophysical data.**

All AEM and supporting data collected or obtained as a part of the statewide AEM surveys will be made publicly available.

Lithology logs

Lithology logs are created during drilling of new groundwater or oil and gas wells. Lithology logs can be found as stand-alone documents for exploration or sampling wells or within well completion reports (WCRs), groundwater well as-built reports, or geotechnical reports. Please provide high-quality lithology logs from your sub-basin. Logs considered high quality have (1) accurate location information, (2) detailed, accurate lithology descriptions, and (3) a fine discretization of depth intervals.

Digitized lithology logs

Please provide lithology logs that have been tabulated and are in a digital format (e.g. file types .xls, .csv, .las, .mdb). If data originated from a state DMS, please provide the identifying number: State Well Number, CASGEM/SGMA Portal Site Code, or WCR number.

List of high-quality wells

If lithology logs have not been digitized, but high-quality wells have been identified, please provide a list of identifying well numbers (such as those listed above).

Identified accurate well locations

If well locations have been more accurately identified than provided in the WCR, please provide a list or map with the location of the wells and an identifying well number.

Geophysical data

Geophysical logging and surface data have been collected throughout the state. Electrical resistivity logs, often referred to as e-logs, are sometimes collected when drilling new groundwater wells and are required to be collected when drilling new oil and gas wells. Surface electric and electromagnetic surveys (e.g. TDEM, t-TEM, walk-TEM, ERT) surveys have also been collected in various locations.

Please provide all available geophysical data, regardless of whether the data have been tabulated.

Location and amount of existing data

There is no limit to the amount of existing data that can be used to support the AEM surveys: generally, the more high-quality data available, the better. Existing data from locations throughout the entire basin can support the AEM surveys.

Instructions to submit existing data

Data can be submitted to DWR through Box.com, a simple and secure file transfer application.

1. Identify a point of contact (POC) for the existing data compilation effort and fill out the [POC form](#). POCs will receive an email with a link to DWR's secure file upload site through Box.com.
2. Click the link in the email to access Box.com and upload data. **Only individual files or zipped folders can be uploaded; unzipped folders cannot be uploaded.** (The link provided will only allow data to be uploaded. Data viewing or downloading is not accessible through the link.)

DWR or their contracting team will reach out with any questions.

Contact Information

Data submission general questions

AEM@water.ca.gov

DWR Headquarters

AEM Project Manager

Katherine Dlubac

Katherine.Dlubac@water.ca.gov

DWR Region Offices

Northern Region

Pat Vellines

Patricia.Vellines@water.ca.gov

North Central Region

Chelsea Spier

Chelsea.Spier@water.ca.gov

South Central Region

Amanda Peisch-Derby

Amanda.Peisch@water.ca.gov

Southern Region

Tim Ross

Timothy.Ross@water.ca.gov