Agenda Item 4b ii



MEMORANDUM

FROM: Mark Larsen

DATE: August 25, 2025

SUBJECT: Rural Community & Combined Stakeholders Summary

CC:

Committee Business:

• Minutes from the July 28, 2025 meeting were approved with one correction.

• No public comments were received.

Administration & Invoicing:

- Staff reported launch of the new GKGSA website; members were encouraged to provide feedback on functionality and accuracy.
- WY 2023 invoicing continues to be audited; approximately \$465,000 remains outstanding, down from prior months. The Board has initiated the Proposition 218 lien process, with a public hearing set for early October.
- WY 2024 invoicing shows limited carryover purchases and slower collections, though some surface water imports continue.

Rules & Regulations – Water Transfers:

- Extensive discussion was held regarding potential revisions to the water transfer policy to provide flexibility while ensuring groundwater sustainability.
- Current policy limits transfer distances and imposes escalating loss factors (10–20%) beyond one zone. Staff presented options to:
 - o Extend transfers up to four zones,
 - Reduce loss percentages, and
 - o Restrict transfers to **sustainable yield only**, excluding Tiered water.
- Members debated whether loosening restrictions would create a more functional marketplace, help surface water users capture value, and provide groundwater-only users with access to needed supply.
- Concerns raised included:
 - o Potential economic hardship if Tiered water is fully restricted,
 - Possible inequities in current allocation (not all irrigated acres fully accounted for),
 - o Risks of localized overdraft or subsidence from concentrated transfers,
 - Loss of GSA revenue if Tiered water sales decline.
- Alternatives suggested: piloting broader transfer flexibility, monitoring impacts by zone, and potentially adopting allocation frameworks more aligned with neighboring GSAs.

Allocation Updates:

- Don Tucker (4Creeks) confirmed WY 2026 allocation values remain consistent with prior presentations:
 - o Native Sustainable Yield: **0.62 ac-ft/acre**
 - o Tier 1: **0.31 ac-ft/acre**
 - o Tier 2: **0.23 ac-ft/acre**
 - o Precipitation: 0.5–1.0 ac-ft/acre (location-dependent)
 - → Total Range: ~1.16 ac-ft/acre plus precipitation
- Discussion also addressed evaluating irrigated acreage more precisely using Land IQ data to refine allocation formulas.

Well Mitigation & Monitoring:

- Updates provided on well mitigation efforts with Self-Help Enterprises; three wells are in process under new contracting procedures. A monthly reporting framework is being established.
- Monitoring priorities identified include areas near Tulare, Kings County, eastern basin boundaries, and northwest zones where subsidence concerns remain.

Kaweah Subbasin Coordination:

• GSA staff reported continued engagement with State Board staff regarding basin management and water quality sampling. The Subbasin anticipates feedback on draft BMPs and return-to-DWR recommendations this fall.

Other Business:

- Introduction of new staff member Sierra, who will support committee work and outreach.
- Next meeting scheduled for **September 22, 2025**.



MINUTES OF THE MEETING OF THE BOARD OF DIRECTORS **HELD AUGUST 11, 2025**

At approximately 1:00 p.m. on August 11, 2025, at GKGSA, 227 N. West Street, Visalia, California, Chairman Chris Tantau of the Greater Kaweah GSA called to order a meeting of the Board of Directors of the Greater Kaweah Groundwater Sustainability Agency Joint Powers Authority ("GKGSA").

Directors Pete Vander Poel David Van Groningen

Stephen Johnson Joe Cardoza Chris Tantau Dennis Mills (alt) Eric Shannon Clinton Church Brian Watte Rudy Mendoza (alt)

Jared De Groot

Directors Andrew Brazil Paul Boyer

Absent:

Also Present: Mark Larsen Gene Kilgore

> Aubrey Mauritson Trelawney Bullis Don Tucker Blair Bayne Geoff Vanden Heuval Mike Hagman Lisa McEwen

Pancho

Scott Rogers

PUBLIC COMMENT:

Chairman Tantau opened the meeting for public comment. No comment was presented.

CORRESPONDENCE AND ANNOUNCEMENTS:

Miscellaneous Items

General Manager Larsen reported the GSA had officially moved to its new office location. A report of new annual expenses will be presented next month given the change in location. Mr. Larsen reported the audit will occur during the next board meeting. Mr. Larsen also indicated there is a typo on the agenda, with an accidental duplicate agenda item. In addition, Mr. Larsen noted the GSA has hired a new employee, Sierra Rodriguez, who joined the agency last week.

GSA REPORTS AND COMMITTEE DISCUSSION:

Water Forum Update

General Manager Larsen provided a report.

Committees and Activities

<u>Technical Advisory Committee</u>

July 17, 2025 - Summary

General Manager Larsen advised that the TAC met on July 17, 2025. A copy of the summary is attached as Agenda Item #4b.i, and incorporated by reference. Chairman Tantau reported the summary of the meeting includes various recommendations from the TAC.

Next Meeting Scheduled for August 21, 2025 at 1:30 p.m.

General Manager Larsen advised that the next Technical Advisory Meeting will be held on August 21, 2025 at 1:30 p.m.

Combined Rural Communities & Stakeholder Committees

July 28, 2025 - Summary

General Manager Larsen advised that the Combined Rural Communities and Stakeholder Committees met on July 28, 2025. A copy of the summary is attached as Agenda Item #4.b.ii, and incorporated by reference. Chairman Tantau reported on recommendations from the Stakeholder Committee.

Next Meeting Scheduled for August 25, 2025 at 1:30 p.m.

The next meeting of the combined committees will be held on August 25, 2025, at 1:30 p.m.

Kaweah Subbasin Management

Grants Status

General Manager Larsen provided a report.

LandIQ/Water Dashboard Status

General Manager Larsen provided a report.

MLRP Status

General Manager Larsen provided a report. Attached hereto and incorporated by reference as Agenda Item 4iii is a copy of the MLRP flier advertising for applications.

Discussion ensued.

*Director Vander Poel arrived at this time.

CONSENT CALENDAR:

Consider Approval of Minutes for the July 14, 2025, Board Meeting

General Manager Larsen referred the Board to Agenda Item #5a, a copy of the July 14, 2025, minutes, which are attached hereto and incorporated by reference.

Director D. Mills moved and Director Shannon seconded to approve the July 14, 2025, minutes. The Board unanimously approved the motion.

LAND-BASED ASSESSMENT RESOLUTIONS ANNUAL FOLLOW UP ACTION ITEMS

Consider Approval of Two Resolutions for County of Tulare and County of Kings Each, Establishing the Assessment Rate

General Manager Larsen referred the Board to Agenda Item #6a, a copy of two Resolutions for the County of Tulare and County of Kings Establishing the Assessment Rate, which are attached hereto and incorporated by reference.

Discussion ensued.

Director Shannon moved and Director Watte seconded to approve the Resolution for the County of Tulare Establishing the Assessment Rate. The Board unanimously approved the motion.

Director D. Mills moved and Director Johnson seconded to approve the Resolution for the County of Kings Establishing the Assessment Rate. The Board unanimously approved the motion.

Set Date for Public Hearing to Enforce Tier 1 and Tier 2 Penalty Delinquencies (Water Code Section 10732(b)(2).)

General Manager Larsen provided an overview of the process for enforcement. He reported there is about 95 delinquent accounts.

Discussion ensued.

Director Shannon moved to set October 13, 2025 as the public hearing date for GKGSA's hearings on Tier 1 and Tier 2 Penalty Delinquencies. Director Church seconded, and the motion was unanimously carried.

DASHBOARD GROUNDWATER INVOICING

Status Report on 2023 Water Year

Program Coordinator Ruiz provided a report.

Consider Setting a Public Hearing Date, According to California Water Code §10732(b)(2), to Consider Process to File Certificates of Lien Against Property of Delinquent Landowners

The agenda item was previously handled above.

WY 2024 Status

Program Coordinator Ruiz reported they are still receiving some payments, but collections have slowed.

Discussion ensued.

Public comment from Geoff Vanden Heuvel.

Discussion continued.

WY 2025 ALLOCATION

Status Report

Don Tucker, 4Creeks, provided a report. Attached hereto and incorporated by reference as Agenda Item 8 is a copy of his PowerPoint presentation. He noted precipitation was slightly down from the prior year's allocation. For the following year, Mr. Tucker noted the allocations will be as follows:

- Native Sustainable Yield 0.62 ac-ft/acre
- Tier 1 Penalty Allocation 0.31 ac-ft/acre
- Tier 2 Penalty Allocation 0.23 ac-ft/acre
- Precipitation Range East-West from 1.00 to 0.5 ac-ft/acre

The total allocation for landowners in the GKGSA thus ranges from 1.66 to 2.24 ac-ft per acre depending on the location of the parcel.

Public comment from Trelawney Bullis.

Discussion ensued.

Public comment from Geoff Vanden Heuvel.

Discussion continued.

MITIGATION PLAN

Status Report

General Manager Larsen provided a report on the well mitigation progress.

Review First Pilot Well Mitigation Total Expense

General Manager Larsen provided a report. Mr. Larsen reviewed the first pilot project that was completed. Attached hereto and incorporated by reference as Agenda Item 9b is a copy of the excel spreadsheet Mr. Larsen presented to the board.

Discussion ensued.

Public comment from Geoff Vanden Heuvel.

Discussion continued.

Director Cardoza arrived at this time.

Consider Approval of Current Pilot – Dry Well Mitigation Claims

General Manager Larsen reported the GSA has received no new claims since the last board meeting.

*Director Stephens left the meeting at this time.

GREATER KAWEAH LAND FALLOWING PROGRAM

Review and Discuss 2026 Program Options

General Manager Larsen provided a report. Attached hereto and incorporated by reference as Agenda Item 10 is a copy of the program outline and details.

Discussion ensued.

Public comment from Gene Kilgore.

Discussion continued.

Public comment from Scott Rogers.

Discussion continued.

Consider Approval of 2026 Program Specifics

Director Van Groningen moved to approve the 2026 Program Specifics for the Land Fallowing Program as presented in the agenda packet, with a maximum amount of up to \$1 million to the program at a fixed price of \$400 per acre. Director Vander Poel seconded, and the motion was unanimously carried.

Discussion ensued re the application process.

GREATER KAWEAH MONITORING WELL NETWORK

Status Report

General Manager Larsen provided a report. Work continues to identify locations for monitoring wells.

Discussion ensued.

Review Presentation from Thomas Harder and Company on Priority Monitoring Well Locations

Tom Harder from Thomas Harder and Company, provided a report. Attached hereto and incorporated by reference as Agenda Item #11b is a copy of his report.

Discussion ensued.

KAWEAH SUBBASIN GROUNDWATER SUSTAINABILITY PLANS (GSPs)

Status Report

General Manager Larsen reported that he still anticipates a recommendation from the State Board staff to the State Board this fall to return to the Kaweah Subbasin back to DWR. State board staff has been heavily focused on groundwater quality issues the past month. DWR has released its draft Best Management Practices for land subsidence which has a heavy emphasis on "critical head".

Discussion ensued.

Public comment from Geoff Vanden Heuvel.

Discussion continued. Mr. Larsen noted there is a comment period for the draft BMPs for land subsidence. The Kaweah Subbasin, as a whole, plans to provide comments.

Public comment from Geoff Vanden Heuvel.

Discussion ensued.

*Director Vander Poel left the meeting at this time.

KAWEAH SUBBASIN WELL DATA MONITORING SYSTEM (DMS)

Status Report

General Manager Larsen provided a report.

<u>Review DMS Task Order 10 Amendment – Mid-Kaweah GSA (To Be Managed by Cost Share Agreement</u>

General Manager Larsen provided a report. Attached hereto and incorporated by reference as Agenda Item #13b is a copy of the Task Order 10 Amendment – Mid-Kaweah GSA.

Discussion ensued.

KAWEAH SUBBASIN WELL REGISTRATION

Status Report

General Manager Larsen provided a report. GKGSA continues to move forward with the process. EKGSA has decided to downgrade its aggressiveness on the program. Mid Kaweah continues to proceed. Efforts on verification of well locations is underway.

Discussion ensued.

Public comment from Gene Kilgore.

KAWEAH/TULE WATER BANKING PROJECT:

Status Report

General Manager Larsen provided a report. Chairman Tantau provided a summary.

Public comment from Geoff Vanden Heuvel and Gene Kilgore.

Discussion continued.

Public comment from Scott Rogers.

Consider Approval of Memorandum of Understanding Kaweah-Tule Cross Valley Groundwater Banking Investigation with Lower Tule River Irrigation District (LTRID) Professional Services Agreement

Attached hereto and incorporated by reference as Agenda Item 15b is a copy of the Memorandum of Understanding Kaweah-Tule Cross Valley Groundwater Banking Investigation with Lower Tule River Irrigation District (LTRID) Professional Services Agreement.

Discussion ensued.

Director Van Groningen moved to approve the Memorandum of Understanding Kaweah-Tule Cross Valley Groundwater Banking Investigation with Lower Tule River Irrigation District (LTRID) Professional Services Agreement. Director Cardoza seconded, and the motion was unanimously carried.

NEXT MEETING DATE

Scheduled Meeting September 8, 2025 at 1:00 p.m.

Chairman Tantau announced that the next regular meeting of the Groundwater Sustainability Agency will commence on Monday, September 8, 2025, at 1:00 p.m.

CLOSED SESSION

CONFERENCE WITH LEGAL COUNSEL - ANTICIPATED LITIGATION

[Government Code Section 54956.9(d)(2)]

Number of Potential Cases: Two

The Board of Directors, while in closed session pursuant to Government Code Section 54956.9(d)(2), met with General Counsel Aubrey Mauritson regarding two potential items of anticipated litigation.

CLOSED SESSION ITEMS

Report Action Taken in Closed Session Required by Government Code 54957.1

The Board of Directors returned to open session. Chairman Tantau advised that there was no reportable action.

ADJOURNMENT

As there was no further business to come before the Board of Directors, the meeting was concluded.

Mark Larsen,	Secretary

GREATER KAWEAH - RELOCATION

Estimated - ANNUAL INCREASE TO FIXED OPERATING EXPENSES

Company	Initial Fee	Monthly Fee	Annual	
Comcast - Internet*	\$282.01	\$129.94	\$1,559.28	
Cintas - Supplies, Safety*	\$1,000.00	\$350.00	\$4,200.00	
Vivint - Security*	\$95.47	\$46.47	\$557.64	
Epic Print - Signs and Cards	\$1,000.00	\$0.00	\$0.00	
OACYS - Copier*	\$351.00	\$639.00	\$7,668.00	
Edison - Electric	\$1,200.00	\$350.00	\$4,200.00	
OACYS - Tech Support,*	\$6,385.00	\$182.50	\$2,190.00	
OACYS - Phone*		\$170.00	\$2,040.00	
Tschannen - Rent*	\$4,000.00	\$4,000.00	\$48,000.00	
Vermillion - Insurance		\$1,147.75	\$1,147.75	
Tschannen - Utilities: gas, trash, water		\$200.00	\$2,400.00	
Staples - Office Supplies		\$175.00	\$2,100.00	
Martin - Pest Control*		\$50.00	\$600.00	
Postage Meter*	\$1,000.00	\$52.49	\$629.88	
		\$0.00	\$0.00	
		\$0.00	\$0.00	
		\$0.00	\$0.00	
		\$0.00	\$0.00	Estimate
_	\$15,313.48	Annual =	\$77,292.55	\$90,000

^{*} Under contract

Estimated ONE-TIME MOVE/RELOCATION EXPENSES

Items	EXPENSE	
Board Tables & Chairs, Desks, Public Chairs	\$8,530.00	
TV, Speakers/Camera, Owl, Computer	\$5,657.84	
Miscellaneous, Tools	\$915.60	
Waterline, Gate, Carpet Cleaning	\$1,270.00	
Initial stock office tools, paper, supplies	\$454.95	
	\$16,828.39	Estimate
Total <u>Initial</u> and <u>One-Time Expenses</u>	\$32,141.87	\$25,000-35,000



TECHNICAL MEMORANDUM

August 11, 2025

To: Mark Larsen, GKGSA General Manager

From: Don Tucker – 4Creeks, Inc.

cc: David De Groot – 4Creeks, Inc.

Subject: Greater Kaweah GSA – Water Year 2026 Precipitation Allocation

This technical memorandum describes the 2026 Water Year Precipitation Allocation for the Greater Kaweah GSA.

Allocate 25 year Rolling Average Precipitation

Article IV. 4.03(a)1. (B): Precipitation [Allocation]

Precipitation is calculated as the 25-year rolling average total precipitation for the entire GKGSA jurisdictional area. The long-term average is based on precipitation data collected from calibrated weather stations within and adjacent to the GKGSA, allocated to a precipitation zone which varies from west to east. Precipitation allocations by zone will be provided by the technical consultant prior to each water year.

The 25-year precipitation data date range for the Water Year 2026 allocation include precipitation data from 1999 through 2025 collected at calibrated Department of Water Resources (DWR), California Irrigation Management Information System (CIMIS) and LandIQ weather stations shown on **Exhibit A**.

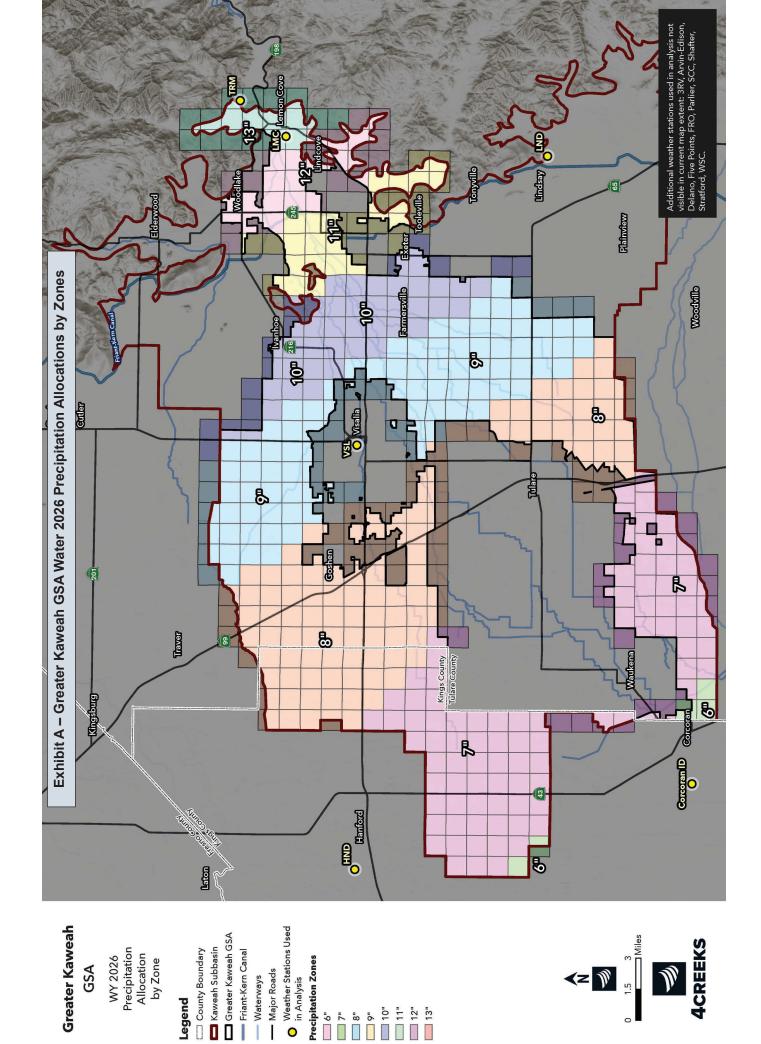
Allocation Zones

To account for the variability in precipitation from the eastern (13 inches) to western (6 inches) portions of the GKGSA, allocation zones have been developed for allocating precipitation as shown in **Exhibit A**. Each zone represents 1-inch intervals based on the 25-year rolling average precipitation contours. Allocation zones are defined to the nearest Public Land Survey System (PLSS) Section boundary.

Exhibit B list Water Year 2026 precipitation allocations in inches by PLSS Section and Assessor Parcel Number (APN).

Landowners can calculate their total precipitation credit in acre-feet by APN as described below:

- 1. Locate APN in Exhibit B and the corresponding 2026 WY precipitation allocation in IINCHES.
- 2. Divide the precipitation allocation in **INCHES** by 12 to convert to **FEET.**
- 3. Multiple precipitation allocation in <u>FEET</u> by gross acreage of parcel to determine APN <u>ACRE-FEET</u> allocation.



10"

6"

<u>.</u>6

TECHNICAL MEMORANDUM



To: Greater Kaweah GSA Board of Directors

From: Don Tucker – 4Creeks, Inc.

Mark Larsen – GKGSA General Manager

David De Groot – 4Creeks, Inc

Date: August 11, 2025

Re: Greater Kaweah GSA – Water Year 2026 Groundwater Allocations

In accordance with the current amended Greater Kaweah Groundwater Sustainability Agency (GKGSA or GSA) Rules and Regulations adopted by the Board of Directors, the following technical memorandum summarizes the recommended Water Year 2026 (October 2025 through September 2026) groundwater allocations made available for landowners within the GSA. <u>Article IV. Allocation of Water, Section 4.02 Determination of Allocations</u> of the Rules and Regulations states the following:

"Each year prior to, or as soon as practical, October 1, the GKGSA Technical Group shall determine the allocations available for use within the GKGSA's various Management Areas based on the data and calculations and the approved methodologies provided herein. The General Manager shall cause such determination to be noticed to all affected Owners prior to October 1, or as close as practical."

Categories of groundwater allocation within the GSA include the following:

- 1. Net Sustainable Yield
 - A. Native Sustainable Yield
 - B. Total Precipitation
- 2. Temporary Tier 1 and Tier 2

The two water categories are described along the proposed allocation amount available to GKGSA landowners.

Sustainable Yield Allocation

A) Native Sustainable Yield - Landowners within the Kaweah Subbasin share native, natural occurring waters, comprised of mountain block inflow recharge from the Sierra Nevada's and natural channel loss from the Kaweah River. This water is referred to as Native Sustainable Yield and when equally shared among gross lands within the Kaweah Subbasin and is derived from the Kaweah Subbasin Water Accounting Framework (WAF). For Water Year 2026 the Native Sustainable Yield allocation amounts to **0.62 acre-feet per acre is available for consumptive use**.

B) Total Precipitation - Landowners receive credit for the Total Precipitation based on 25-year rolling average (1999-2025), using calibrated weather station data collected within and adjacent to the GSA and allocated at a Public Land Survey System (PLSS) township-range-section basis. For the Water Year 2026 Total Precipitation allocations range from **13 inches (east) to 6 inches (west) per acre**.

Temporary Tier 1 & Tier 2 Allocation

The GSA recognizes that in order to avoid substantial economic impact, a reasonable timeframe is required for landowners to adjust from historical groundwater overdraft to a sustainability. The GSA has adopted a ramp-down schedule for landowners to transition to sustainability, referred to as Tier 1 & Tier 2 Temporary Water. The adopted ramp-down schedule for Tier 1 & Tier 2 Temporary Water is provided as **Table 1**.

Table 1 - GKGSA Temporary Water Rampdown Schedule



Water Years	Tier 1	Tier 2	Total Allowable
2023-2025	40%	50%	90%
2026-2030	40%	30%	70%
2031-2035	20%	20%	40%
2036-2040	20%	0%	20%

The Tier 1 & Tier 2 Temporary Water allocations are based on historical volumes of groundwater overdraft, calculated using the average annual change in groundwater storage from water years 2010-2022, amounting to 124,600 acre-feet.

In reference to the ramp-down schedule, Water Year 2026 represents the first year of the 70% total allowable Temporary Water allocation (30% Tier 1 & 40% Tier 2). The total allowable volume Temporary Water allocation amounts to 87,220 acre-feet (49,840 acre-feet of Tier 1 & 37,380-acre-feet of Tier 2). Divided by 161,100 acres of irrigated acres in the GSA, the acre-foot per acre allocation amounts to 0.54 acre-feet per acre (0.31 acre-feet per acre of Tier 1 & 0.23 acre-feet per acre of Tier 2).

Table 2 - Water Year 2026 Temporary Water Allocation

	Tier 1	Tier 2	Total Allowable
Total Allowable (acre-feet)	49,840	37,380	87,220
Per Acre (acre-feet/acre)	0.31	0.23	0.54

Summary of Water Year 2026 Groundwater Allocation

Table 3 summarizes the Water Year 2026 groundwater allocations for the Greater Kaweah GSA.

Table 3 - Summary of Water Year 2026 Groundwater Allocations

Groundwater Allocation Category	Acre-feet per Acre
1) Sustainable Yield	0.62 + Total Precipitation
A) Native Sustainable Yield	0.62
B) Total Precipitation (25-year rolling average)	Varies
2) Temporary Water	0.54
Tier 1	0.31
Tier 2	0.23
Total WY 2026 Groundwater Allocations	1.16 + Total Precipitation



RESOLUTION NO.2025- [05] OF THE BOARD OF DIRECTORS OF THE GREATER KAWEAH GSA

IMPOSITION OF GROUNDWATER EXTRACTION PENALTIES

WHEREAS, the Greater Kaweah Groundwater Sustainability Agency Joint Powers Authority ("GKGSA") has adopted and submitted to the Department of Water Resources a Groundwater Sustainability Plan ("GSP"), a 2022 Amended GSP, and has drafted a 2024 Amended GSP, pursuant to the Sustainable Groundwater Management Act of 2014 ("SGMA") which outlines various plans and management actions to reach sustainability by 2040;

WHEREAS, DWR determined the 2022 Amended GSP to be inadequate and as a result the GKGSA and other Kaweah Subbasin GSAs are currently in the process of revising and updating the GSPs to correct deficiency areas noted by DWR;

WHEREAS, Water Code Section 10726.4(a)(2) provides that a GSA is authorized to control groundwater extractions by limiting or regulating groundwater extractions;

WHEREAS, Section 7.3.9 of the 2024 Amended GSP contemplates the imposition of penalties for excessive groundwater extraction as a disincentive for pumping;

WHEREAS, the GKGSA has determined that the consumptive use of groundwater by water users within its boundaries in excess of the Sustainable Yield Allocation as described in the GKGSA Rules and Regulations, without mitigation, may impede GKGSA's ability to achieve sustainability;

WHEREAS, in order to achieve the decrease in groundwater extraction necessary to achieve sustainability under the GSP, the GKGSA desires to (1) limit extraction and consumptive use of groundwater to the Sustainability Yield Allocation, and (2) disincentive pumping in excess of the Sustainable Yield Allocation by imposing penalties for such extractions;

WHEREAS, Section 5.01 of the GKGSA Rules and Regulations provides that three categories of penalties shall be imposed for groundwater extraction and consumptive use in excess of the Sustainable Yield Allocation Tier 1 and Tier 2 Penalty Allocation and Tier 3;

WHEREAS, Section 5.01(a) of the GKGSA Rules and Regulations further requires the GKGSA's Board of Directors to establish a Tier 1, Tier 2, and Tier 3 penalty rate;

WHEREAS, the penalties imposed herein shall be imposed only to those irrigated parcels located within the Greater Kaweah Agricultural Management Area;

WHEREAS, for Water Year 2026, pursuant to the 2024 Amended GSP, rules and regulations and other policies, the GKGSA has established a Tier 1 and Tier 2 Penalty Allocation of a total of 0.54 acre-feet per acre for lands eligible to receive a Tier 1 and Tier 2 Penalty Allocation. If the total Tier 1 and Tier 2 Penalty Allocations are actually pumped, the total volume extracted is estimated to be approximately 87,220 acre-feet.

WHEREAS, based on the 2024 Amended GSP, it is estimated that approximately 800 domestic wells could go dry in the GKGSA if minimum thresholds were reached for groundwater levels and land subsidence during the course of the implementation period which ends in 2040;

WHEREAS, the GKGSA anticipates reducing the risk to domestic wells going dry through its amendments to the 2024 Amended GSP, but those amendments are not yet complete;

WHEREAS, it is estimated that a domestic well mitigation program to mitigate for the total anticipated wells to go dry based on the 2024 Amended GSP would cost approximately forty-three million, five hundred thousand dollars and zero cents (\$43,500,000.00). Assuming the Transitional Pumping Program ends within 15 years, the annual cost needed for a domestic well mitigation program based on the 2024 Amended GSP thus would result in an approximate cost of two million nine hundred thousand dollars and zero cents (\$2,900,000.00);

WHEREAS, to reduce the need for well mitigation and subsequent cost the GKGSA, the GKGSA has approved a pilot Land Fallowing Program which anticipates to fallow approximately 1,200 acres annually. The GKGSA anticipates the cost of such program could reach an amount of approximately two million dollars and zero cents (\$2,000,000.00) annually; and

WHEREAS, as a result of the foregoing, the GKGSA Board desires to set the annual penalty rates as set forth below. The rates below would be sufficient to collect the needed funding of approximately four million and nine hundred thousand and zero cents (\$4,900,000.00) for a domestic well program and Land Fallowing Program if the Tier 1 and Tier 2 Penalty Allocation quantities were actually pumped in Water Year 2026.

NOW, THEREFORE, THE BOARD OF DIRECTORS OF THE GREATER KAWEAH GROUNDWATER SUSTAINABILITY AGENCY DOES HEREBY RESOLVE, DETERMINE AND ORDER AS FOLLOWS:

- 1. The following penalties for excessive groundwater extraction and consumptive use within the boundaries of the Greater Kaweah Management Area are as follows:
 - 1. \$[XXX.00] per acre foot for Tier 1 Penalty Allocation.
 - 2. \$[XXX.00] per acre foot for Tier 2 Penalty Allocation.
 - 3. \$500.00 per acre foot for Tier 3.

BE IT FURTHER RESOLVED that the General Manager shall provide notice of the above-described penalty rates as required by Section 5.04.

PASSED AND ADOPTED this 8th day of September 2025 by the following vote:

AYES:

NOES:		
ABSTAIN:		
ABSENT:		
	APPROVED:	
	Chris Tantau, Board Chair	
	ng is a full, true and correct copy of the e GKGSA at its meeting held on Septen	
ATTEST:		
Mark Larsen, Board Secretary		

					Well Owner	Well Owner			Post-Drill Water		
		SHE	Greater Received	Claim Approved	Contracted with	Contracted with	Scheduled Drill	Drilling	Quality Testing		
	Project No.	Received Claim	Claim	for Mitigation	SHE	Driller	Date	Complete	Complete	Claim Complete	Notes
1	n/a	1/9/2023	3	5/13/2024	6/24/2024	6/27/2024		8/16/2024	8/29/2024	7/22/2025	
2	PID-13793	9/19/2022	10/2/2024	2/10/2025	6/23/2025	8/21/2025					
3	PID-12723	9/20/2022	10/2/2024								
5	PID-11066	5/2/2022	4/23/2025	5/9/2025	6/11/2025	7/15/2025					As of 7/17/25, well application going through CEQA process, no start date scheduled
7	PID-15224	8/27/2024	7/22/2025								
8											
9											
10											

Greater Kaweah Groundwater Sustainability Agency and Self-Help Enterprises Pilot Well Mitigation Project Completion Report

PID#15173

Background

On June 11, 2024, Self-Help Enterprises (SHE) entered into an agreement (Exhibit 1) with Greater Kaweah Groundwater Sustainability Agency (GKGSA) to perform long-term physical mitigation of the dry well for Participant # 15173. The domestic well at the property went dry in January 2023, necessitating interim hauled and bottled water services until a long-term solution could be constructed.

Project Summary

SHE and GKGSA determined the most feasible and cost-appropriate long-term solution to be construction of a new domestic well and destruction of the dry well.

First, the well owners solicited bids from two drillers, then SHE staff vetted the estimates for the following criteria: current licensing through the State Contractor License Board, state and federal suspension and debarment, liability and workers compensation insurance, and construction and permitting specifications. The property owners selected a vetted estimate and entered into a contract with the driller to perform the agreed upon work. The property owner also entered into an agreement with SHE on June 24, 2024, to finance the project. The grant agreement between SHE and the well-owners is a five-year unrecorded agreement that does not place a lien on the property; however, the agreement requires the owners to maintain residence on the property and maintain ownership of the property for a period of five years. If the property transfers title within five years, the grant must be repaid. If the property owners adhere to the conditions of the grant for the five-year term, the grant shall be released.

The new well was drilled to a depth of 400' and was completed August 16, 2024. The total depth of the old well was 200' and destruction of the well was completed August 20, 2024. Well Completion Reports are attached as Exhibit 2. Additionally, SHE staff installed a solar powered water level monitoring system at the well head on May 6, 2025, allowing SHE and the property owners access to real-time water level measurement data.

Construction of the new well was followed by water quality sampling and analysis, revealing Maximum Contaminant Level exceedances of 1,2,3 TCP, Nitrate, and Perchlorate. A reverse osmosis point-of-use (POU) and granular activated carbon point-of-entry (POE) device were installed and effectively mitigated the three constituents of concern. Initial and post-filter results are depicted in Table 1 and laboratory reports are attached as Exhibit 3. SHE staff

provided written educational materials as well as in-person counseling on good stewardship, operation, and maintenance of the new well, filtration systems, and monitoring device.

Table 1. Water Quality Results

Constituent	MCL	Initial	Initial	Post-filter	Post-filter
		Sample	Result	Sample	Result
		Date		Date	
Copper (ug/L)	1,300	1/31/2025	ND (<50)		
Lead (ug/L)	15	1/31/2025	ND (<5)		
E. Coli	Absent	8/19/2024	ND (Absent)		
Total Coliform	Absent	8/19/2024	ND (Absent)		
1,2,3 TCP (ug/L)	0.005	8/29/2024	0.009	3/21/2025	ND (<0.005)
Arsenic (ug/L)	10	8/29/2024	1		
DBCP (ug/L)	0.2	8/29/2024	0.14		
EDB (ug/L)	0.05	8/29/2024	ND (<0.02)		
Nitrate (mg/L)	10	8/29/2024	12.4	3/21/2025	1.8
Perchlorate (ug/L)	6	8/29/2024	19.2	3/21/2025	ND (<1)
Total Chromium (ug/L)	50	8/29/2024	17		
Uranium (ug/L)	30	8/29/2024	13		
Uranium Radiological	20	8/29/2024	8.62		
(pCi/L)					
Gross Alpha	15	8/29/2024	9.85		
Radiological (pCi/L)					

Exhibit 4 includes photos of the dry well before mitigation, the dry well after destruction, the new well with POE and water level monitoring system, and the POU.

Project Challenges

The project proceeded in a fashion typical of most domestic well mitigation projects with one minor delay. The delay was encountered at the water quality mitigation phase. The POU device was installed in November 2024; however, the property owners were uncertain about accepting installation of the POE device due to concerns about long-term cost to operate the system as well as placement of the system due to water flowing to different areas of the home through two separate influent tracts. The filtration vendor scheduled and visited the home three separate times to install the filter and was unsuccessful in their attempts. SHE counseled the property owner and was able to alleviate concerns by identifying an area for filter placement that would bypass the back half of the home (where water is not used for consumption, bathing, etc.). Additionally, SHE informed the owners of the three-year maintenance plan included with the program, as well as how to bypass the system entirely

if they elect not to use it after the maintenance plan expires. SHE recommended budgeting for long-term operation and maintenance and reiterated the importance of using treated water. Ultimately, the POE system was installed in March 2025.

Conclusions

The pilot project successfully restored access to reliable, safe water for the participants while providing an opportunity for GKGSA and SHE to work through the programmatic processes and challenges together to inform mitigation implementation into the future. This well replacement was the first completed by SHE with GSA funding, demonstrating a region-wide shift to local accountability for domestic wells affected by groundwater overdraft. Currently, GKGSA has approved an additional two households to receive mitigation and several more reviews are underway.

GREATER KAWEAH GROUNDWATER SUSTAINABILITY AGENCY PILOT WELL MITIGATION AGREEMENT

This Pilot Well Mitigation Agreement ("Agreement") is made this 11th day of June 2024, by and between Self-Help Enterprises, a not-for-profit organization ("SHE") and the Greater Kaweah Groundwater Sustainability Agency, a public agency ("GKGSA").

RECITALS

- A. GKGSA is a Groundwater Sustainability Agency formed under and pursuant to the provisions of the Sustainable Groundwater Management Act ("SGMA") (California Water Code Section 10720 et seq.) and is required to prepare and implement a Groundwater Sustainability Plan ("GSP") in order to provide for the sustainable management of groundwater basins;
- B. GKGSA has approved such GSP, and entered into a Coordination Agreement with Mid-Kaweah GSA and East Kaweah GSA by which the GSAs have agreed to coordinate the development and implementation of their GSPs and mitigation actions;
- C. The Coordination Agreement describes a Kaweah Subbasin Mitigation Program Framework designed to "evaluate and protect beneficial users from lowering groundwater levels" (Coordination Agreement, section 6.4.5) and states that each GSA will adopt a Mitigation Program consistent with the framework;
- D. GKGSA has drafted a Mitigation Plan that implements the Framework within GKGSA's jurisdiction;
- E. One area of focus of the Mitigation Plan is mitigating detrimental impacts to domestic wells within the GKGSA;
- F. SHE is a community development organization that operates in the Kaweah Subbasin jurisdiction;
- G. One of SHE's programs is to provide assistance to rural communities to provide clean drinking water;
- H. GKGSA is in negotiations with SHE to formalize an agreement whereby SHE will identify beneficial well users within the GKGSA for whom well mitigation is necessary, and assist well owners in contracting with well contractors to perform the necessary well mitigation. GKGSA intends to fund said operations and ensure compliance with the Mitigation Plan;
- I. SHE has identified a family, with a domestic well located on Tulare County APN which is within the GKGSA boundaries. The aforementioned family is in need of well replacement as the family's domestic well went dry in January 2023 and the family has been without a source of drinking water for that time (herein after referred to as "Dry Well"); and

J. GKGSA desires to enter into this Agreement to mitigate the Dry Well as a pilot well mitigation program, to determine the ability of the GSAs and SHE to perform well mitigation, and to identify any issues with a future formal arrangement between the Parties.

NOW THEREFORE, in and for consideration of the mutual covenants, conditions, and promises hereinafter set forth, the Parties hereby agree as follows:

AGREEMENT

- 1. <u>Recitals.</u> The above recitals are hereby incorporated by reference and made a part of this Agreement as though fully set forth herein.
- 2. <u>Scope.</u> The Parties agree the scope of this Agreement is limited to mitigation regarding the single domestic Dry Well as identified herein with the limitations and restrictions as provided herein. The Agreement should not be construed as a commitment, obligation, promise, guarantee or any other representation regarding any future commitments, obligations, or otherwise, on behalf of the GKGSA for mitigation services or activities.
- 3. <u>Well Mitigation Actions.</u> SHE hereby agrees to undertake the following mitigation actions:
 - a. Perform any necessary remaining investigations, assessments, or testing of conditions of the Dry Well;
 - b. Make final determination of required actions to mitigate the Dry Well (i.e., drill a new well, deepen existing well, relocate well, etc.);
 - c. Collect or update bid(s) from well contractors for work;
 - d. Coordinate and communicate with the family regarding the mitigation actions;
 - e. Promote collaboration between well contractor and the family regarding (1) the contract between the family and the well contractor, (2) scheduling access to the Dry Well, and (3) performing the necessary work;
 - f. Perform water quality testing for constituents of concern on the newly constructed well after work has been completed, and report findings to GKGSA.
- 4. GKGSA Consultation and Cooperation. SHE hereby agrees to consult with and coordinate with GKGSA staff, including but not limited to GKGSA Board of Directors, Technical Advisory Committee, and any consultants hired by GKGSA, regarding the mitigation actions. SHE further agrees that it will not commence, cause to be commenced, or allow commencement of, any well drilling or other construction work without first consulting with GKGSA and obtaining its written consent to the proposed actions.
 - 5. GKGSA Reimbursement. GKGSA hereby agrees to reimburse SHE the following costs:
 - a. The cost to drill a new well to a depth of 400 feet, or other construction actions necessary to mitigate the Dry Well, in an amount not to exceed \$50,000.00. A

- cost estimate for the well construction is attached hereto and incorporated by reference as Exhibit A.
- b. The administration costs for SHE to provide emergency water supply, mitigate for the Dry Well, and perform appropriate water quality testing for constituents of concern, in an amount not to exceed \$30,000. An average cost estimate for SHE's administration activities is attached hereto and incorporated by reference as Exhibit B.
- c. GKGSA shall not be obligated to reimburse SHE for any costs in excess of the limitation stated above in subsections (a) and (b), unless the Parties agree to alternative costs in writing.

GKGSA shall make the appropriate payment to reimburse, directly to SHE, upon SHE completing their Close Out Process with the well owner and well contractor, and after the GKGSA receives the following from SHE: a notice of project completion; a certified copy of the water quality testing results; and a detailed invoice for the total costs of items.

- 6. Access to Lands. SHE hereby agrees to coordinate with the well owner to allow GKGSA staff and consultants access to the construction site as necessary for administrating the mitigation process.
- 7. <u>Successor and Assigns.</u> All of the terms, covenants, and provisions hereof shall inure to the benefit of and be finding upon the respective successors and assigns of the Parties hereto.
- 8. <u>Indemnification</u>. To the fullest extent permitted by law, SHE shall indemnify, hold harmless, and defend GKGSA, its directors, officers, employees, consultants, agents, or authorized volunteers, and each of them, from any and all claims, demands, causes of action, damages, costs, expenses, losses, or liabilities, in law or in equity, of every kind or nature whatsoever, arising out of or in any manner directly or indirectly connected to this Agreement, including but not limited to any action related to water quality, water quantity, water supply, water source, well performance, well location, or well construction.
- 9. <u>Default.</u> Failure to perform any of the terms of this Agreement shall be deemed a material default of either party.
- 10. <u>Remedies</u>. If either party defaults, or otherwise materially breaches this Agreement, each party may demand recission of this Agreement, or any other action it deems appropriate for the implementation of the Mitigation Plan or the performance of this Agreement.
- 11. <u>Compliance with all Laws</u>. The Parties are required to comply with all laws, regulations, permitting, including but not limited to GKGSA Rules and Regulations.
- 12. Attorney's Fees. In the event of a dispute between the Parties related to or arising from this Agreement or any of the actions or events described herein, the prevailing party in any litigation or arbitration shall be entitled to recover all costs and fees associated with the action or arbitration, including, without limitation, all attorney's fees and expert witness fees.

- 13. <u>Governing Law.</u> The laws of the State of California shall govern under the interpretation and enforcement of this Agreement.
- 14. <u>Interpretation</u>. The Parties agree that the terms and provisions of this Agreement embody their mutual intent and that such terms and conditions are not to be construed more liberally in favor, or more strictly against, any party.
- 15. Partial Invalidity. If any term or provision of this Agreement, or the application thereof to any person or circumstance shall, to any extent, be invalid or unenforceable, a provision shall be added to this Agreement as similar in terms to such invalid or unenforceable provision as may be possible, and be legal, valid and enforceable, and the remainder of this Agreement or the application of such term or provision to persons or circumstances other than those to which it is held invalid or unenforceable, shall not be affected thereby, and each remaining term and provision of this Agreement shall be valid and enforceable to the fullest extent permitted by law.
- 16. <u>Counterparts.</u> This Agreement may be executed in counterparts, each of which shall be deemed an original and all of which, when taken together, shall constitute one and the same instrument.

IN WITNESS WHEREOF, this Agreement is executed and made effective on the date first written above.

SELF-HELP ENTERPRISES

Thomas I Collishaw

GKGSA

Mark Larsen, General Manager

EXHIBIT A

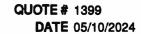
Central Valley Well Drilling & Pumps LLC

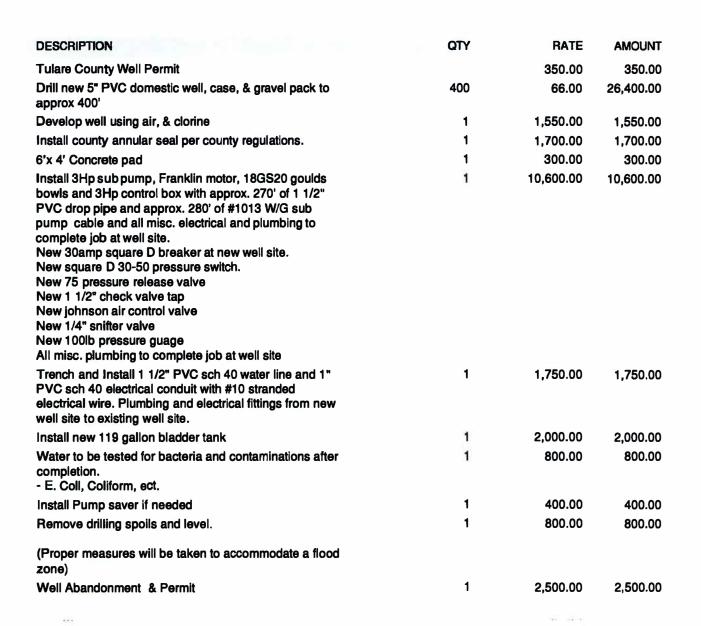
PO Box 2099
Tulare, CA 93275
cvwelldrilling@gmail.com
Justin Rodriguez 559.467.4468



Quote

ADDRESS





Thank you for your business. We accept checks and cash.

TOTAL

\$49,150.00

Please make checks payable to:
Central Valley Well Drilling and Pumps
Upon signing I authorize the work and agree to the terms of payment for Central Valley Well Drilling & Pumps.

Accepted By

Accepted Date

EXHIBIT B

			Pe	rsonr	iel, Travel, & Ov	erhead Costs
lob Classification	Houri	y Rate	# Hours	Co	st/Household	Notes
Director	\$	188.38	6	\$	1,130.28	Staff & program oversight, GSA coordination
Assistant Director	\$	168.10	6	\$	1,008.60	Staff & program oversight, GSA coordination
Manager	\$	150.60	12	\$	1,807.20	Staff & program oversight, application reviews, approvals
Project Manager	\$	140.28	3	\$	420.84	Prepare grant documents
Administrative Analyst	\$	140.28	12	\$	1,683.36	invoicing, data tracking, clerical
Specialist	\$	140.28	8	\$	1,122.24	Water quality testing, filtration, participant education
Loan Processor	\$	114.73	6	\$	688.38	Process water well applications
Technician	\$	101.41	43	\$	4,360.63	Well assessments, inspections, enrollment, estimate vetting
	4	Personn	el Subtota	di \$	12,221.53	RESIDENCE TO THE PROPERTY OF THE PARTY OF TH
	-,4				Project Cost	3
Unit	Cost/	Unit	Qty.	Co	st/ Household	Notes
Tank, Pump, Installation	\$	5.536.00		1 \$	5,536.00	
System Removal	\$	1,738.00		1 \$	1,738.00	
Hauled Water/ Month	\$	795.00	:	12 \$	9,540.00	
System Maintenance	\$	610.00	0	.6 \$	366.00	60% of households receive repair/year
8ottled Water/Month	\$	31.00	:	12 \$	372.00	
Well Replacement	\$	60,000.00		1 5	60,000.00	
POU/POE	Ś	3,000.00	0	.2 \$	600.00	20% of well replacements require filtration
	6	Project Co	st Subtota	l: \$	78,152.00	

Grand Total per Household: \$ 90,973.53

State of California

Well Completion Report Form DWR 188 Submitted 8/26/2024 WCR2024-007809

Owner's V	Vell Numb	oer	■			Date Work	Began	1 08/1	2/2024		Da	ate Work Ended	08/16/	/2024	
Local Pen	mit Agend	cy Tulare C	County Envi	ronment	al Health Sei	vices Divis	sion								
Secondar	y Permit A	Agency				Permit	Numbe	r WEL	L240024	0		Permit Date	08/01/	2024	
Well C)wner (must ren	nain con	fiden	tial pursu	ant to	Wate	er Cod	e 1375	21	Р	lanned Use	and A	ctivity	
Name		(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,								-4	Activity	New Well			_
Mailing A	ddress									-1	1				-
			_							-1	Planned l	Jse Water S	upply Do	mestic	-
City Tul	lare					State	CA	Zip	93274	-1	l				
						Well	Loc	ation							
Address	ماطما	e ddel								APN	184-0	20-039			-
Address		eau6										20 S			-
l ' —	ulare			Zip -	93274	County	Tular			Ran	_				-
Latitude	36		59.3629	N	Longitude	-119	17		706 W	Sec					-
	Deg.	Min.	Sec.			Deg.	Min.	Sec	.	Bas	eline Meridi	an Mount Dial	olo		-
Dec. Lat.	36.2164	48 9 7			Dec. Long.	-119.2921	585			Gro	und Surface	Elevation			_
Vertical Da	atum			Hori	zontal Datum	WGS8	4			Elev	ation Accur	acy			Ī,
Location #	Accuracy			ocation (lethod	Determination					Elev	ation Deter	mination Method			= 1
		Boreh	ole Infor	matio	n			-	Nater	Lev	el and Y	ield of Com	pleted	d Well	
Orientatio	n Vertic	cal			Specify	,	٦ſ	Depth to	first water	er	140	(Feet be	low surfa	ace)	_
Drilling Me	ethod D	Direct Rotary		rilling Flu	uid Water	-	- 11	Depth to		_					
								Water L	_			eet) Date Mea	-	08/23/2024	- ;
Total Dept	th of Borir	ng 430			Feet		- 11	Estimate		_		PM) Test Type		Air Lift	•
Total Dept	th of Com	pleted Well	400		Feet		- 11	Test Ler	igth		4 (He	ours) Total Drav	wdown	(feet)	
							- 11	****	ho		tine of a me	IPa long torm viol	-		
							_JL	*May no	t be repre	senta	itive of a we	ell's long term yiel	d.		
						ologic L				senta	itive of a we	elfs long term yiel	d.		
Depth f Surfa Feet to	ice					ologic L			Form	esenta	ntive of a we	ell's long term yiel	d.		
Surfa	Feet	sand				ologic L		Free	Form	esenta	itive of a we	ell's long term yiel	d.		
Surfa Feet to	Feet	sand				ologic L		Free	Form	senta	ative of a we	ell's long term yiel	d.		
Surfa Feet to	Feet 60					ologic L		Free	Form	senta	ative of a we	ell's long term yiel	d.		
Surfa Feet to 0	60 80 150	day				ologic L		Free	Form	esenta	ative of a we	ell's long term yiel	d.		
Surfa Feet to 0 60	60 80 150 190	day				ologic L		Free	Form	esenta	ative of a we	ell's long term yiel	d.		
Surfa Feet to 0 60 80 150	60 80 150 190 340	day sand day				ologic L		Free	Form	esenta	ative of a we	ell's long term yiel	d.		

	Casings													
Casing #	Depth from Surface Feet to Feet Casing Type Mat		Material	Casings Specifications	Wall Thickness (inches)	Outside Diameter (inches)	Screen Type	Slot Size if any (inches)	Description					
1	0	300	Blank	PVC	OD: 4.950 in. SDR: 17 Thickness: 0.291 in.	0.291	4.95		-					
2	300	400	Screen	PVC	OD: 4.950 in. SDR: 17 Thickness: 0.291 in.	0.291	4.95	Milled Slots	0.03					

			Annular Material		
	from face o Feet	Fill	Fill Type Details	Filter Pack Size	Description
0	50	Cement	10.3 Sack Mix		Sealed
50	430	Filter Pack	Other Gravel Pack	5/16	

Other Observations:

1	t	sorenole Specifications	ii ii	Centifica	tion Statement			
Su	h from rface to Feet	Borehole Diameter (inches)	1, the undersigned, certify that this report is complete and accurate to the best of my knowledge and be Name CENTRAL VALLEY WELL DRILLING & PUMPS LLC					
0	430	12.25	→	erson, Firm or Corporation				
ب	1 100	12.20	- - 223	22 DIAMANTE DR	TULARE	CA	93274	
			1	Address	City	State	Zip	

Signed electronic signature received

C-57 Licensed Water Well Contractor 08/26/2024 1097086 Date Signed C-57 License Number

			DWR L	Jse O	nly			
CSG#	State W	ſ	Site Code			Local Well Numbe		
			N					w
	itude De	g/Min/Se	ec	L	.ongitu	de Deç	g/Min/S	ec
TRS:								
APN:								

93274

State of California

Well Completion Report Form DWR 188 Submitted 8/26/2024 WCR2024-007810

Owner's Well Number	Date Work Begar	08/20/2024	Date Work Ended 08/2	20/2024
Local Permit Agency Tulare County Environmental Health S	ervices Division	-		
Secondary Permit Agency	Permit Numbe	WELL2400241	Permit Date 08/0	1/2024
Well Owner (must remain confidential purs	suant to Wate	er Code 13752	P) Former Us	е
Name			Activity Destroy	
Mailing Address			Former Use Water Supply	
			- National States	
City Tulare	State CA	Zip 93274		
	Well Loc	ation		
Address detaided			APN 184-020-039	
City tulare Zip 93274	County Tula	re	Township 20 S	
Latitude 36 12 59.3629 N Longitude	-119 17	31.7706 W	Range 25 E	
Deg. Min. Sec.	Deg. Min.	Sec.	Section 05 Baseline Meridian Mount Diablo	
Dec. Lat. 36.2164897 Dec. Long.	-119.2921585		Ground Surface Elevation	
Vertical Datum Horizontal Datu	ım WGS84		Elevation Accuracy	
Location Accuracy Location Determinati	on		Elevation Determination Method	
	- Curo			
Borehole Information		Water L	evel and Yield of Complete	ed Well
Orientation Vertical Spec	ify	Depth to first water	r (Feetbelow su	rface)
Drilling Method Drilling Fluid		Depth to Static		
		Water Level	(Feet) Date Measured	
Total Depth of Boring Feet	il.	Estimated Yield* Test Length	(GPM) Test Type (Hours) Total Drawdown	(feet)
Total Depth of Completed Well 200 Feet	- 11		sentative of a well's long term yield.	
Destruction Details: 6"x200' Steel casing				
Dig down 5', cut casing, backfill up to 20' with dirt. Filled with concrete from 0'- 20'.				
Other Observations:				

	В	orehole Specifications	Certification Statement					
Depth from Surface Feet to Feet		I, the under	signed, certify that this report is complete CENTRAL VALLEY	and accurate to the best of r				
			1	Person, Firm or Corporation 2222 DIAMANTE DR	TULARE	CA	93274	
				Address	City	State	Zip	
			Signed	electronic signature receiv			97086 ense Number	
				DWR	Use Only			
			CSG#	DWR State Well Number	Use Only Site Code	Local We	ell Number	
			La	7				
				State Well Number	Site Code			

Exhibit 3



September 25, 2024

Lab No.

: VI 2447076

Customer No.

: 4019992

Self Help Emergency Services

Attn: Dan Larkin P.O. Box 6520 Visalia, CA 93290

Laboratory Report

Introduction: This report package contains a total of 12 pages divided into 4 sections:

Case Narrative

(1 page)

: An overview of the work performed at FGL.

Sample Results

(4 pages)

: Results for each sample submitted.

Interpretation

(3 pages)

: Drinking water Interpretation for each sample submitted.

Quality Control (4 pages)

: Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab No.	Matrix
	08/29/2024	08/29/2024	VI 2447076-001	DW
Dup-	08/29/2024		VI 2447076-002	DW

Sampling and Receipt Information:

All samples were received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. All samples were received, prepared and analyzed within the method specified holding times. All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the associated Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to established quality control criteria. Any exceptions are noted in the Quality Control Section of this report.

Test Summary

EPA 200.8	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
EPA 331.0	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
EPA 504.1	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
EPA 900.0	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
SM 4500-NO3 F	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
SRL 524M-TCP	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)

Certification: I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above and in the QC Section. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature. This report shall not be reproduced except in full, without the written approval of the laboratory.

KD: SMH

Approved By Kelly A. Dunnahoo, B.S.

Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2024-09-26

Section: Case Narrative

Page 1 of 12

Page 1 of 12



Self Help Emergency Services

Attn: Dan Larkin P.O. Box 6520 Visalia, CA 93290

Description :

Project : RDPWWARRC

Lab No. : VI 2447076-001

Customer No.: 4019992

Sampled On : August 29, 2024 at 13:15

Sampled By : Dan Larkin

Received On : August 29, 2024 at 13:55

Matrix : Drinking Water

Sample Results - Inorganic

Constituent	Result	RL	Units	MCL/AL	Dil.	DQF	Sample P	repara	tion	San	nple Analys	is	804
Metals, Total							Date	Time	Who	Method	Date	Time	Who
Arsenic	1	1	ug/L	10	1	h	09/03/2024	10:00	ac	EPA 200.8	09/03/2024	13:40	ac
Chromium	17	1	ug/L	50	1		09/03/2024	10:00	ac	EPA 200.8	09/03/2024	13:40	ac
Uranium	13	1	ug/L	20	1	h	09/03/2024	10:00	ac	EPA 200.8	09/03/2024	13:40	ac
Wet Chemistry													
Nitrate Nitrogen	12.4	0.4	mg/L	10	1		09/04/2024	14:30	ilp	SM 4500-NO3 F	09/04/2024	15:36	ilp
Perchlorate	19.2	0.5*	ug/L	6	5		09/04/2024	17:20	sbl	EPA 331.0	09/04/2024	20:00	sbl

ND=Non-Detected, RL=Reporting Level. * RL adjusted for dilution‡ Surrogate.

MCL = Maximum Contamination Level. 2 - Secondary Standard. 3 - CDPH Notification Level. AL = Regulatory Action Level.



Self Help Emergency Services

Attn: Dan Larkin P.O. Box 6520 Visalia, CA 93290

Description:

Project : RDPWWARRC

Lab No. : VI 2447076-001

Customer No.: 4019992

Sampled On : August 29, 2024 at 13:15

Sampled By : Dan Larkin

Received On : August 29, 2024 at 13:55

Matrix : Drinking Water

Sample Results - Organic

Constituent	Result	RL	Units	MCL/AL	Di.	DQF	Sample P	repara	tion	Sar	nple Analys	sis	
EPA 504.1													
1,3-Dibromopropane ‡	92.0	70-130	%		1		09/04/2024	10:00	mnm	EPA 504.1	09/04/2024	20:16	mnm
DBCP	0.14	0.01	ug/L	0.2	1		09/04/2024	10:00	mnm	EPA 504.1	09/04/2024	20:16	mnm
EDB SRL 524M-TCP	ND	0.02	ug/L	0.05	1	Ū	09/04/2024	10:00	mnm	EPA 504.1	09/04/2024	20:16	mnm
1,2,3-Trichloropropane	0.009	0.005	ug/L	0.005	1		09/06/2024	13:00	lfs	SRL 524M-TCP	09/07/2024	06:20	lfs

ND=Non-Detected, RL=Reporting Level. * RL adjusted for dilution‡ Surrogate.



Self Help Emergency Services

Attn: Dan Larkin P.O. Box 6520 Visalia. CA 93290

Description:

Project :

RDPWWARRC

Lab No. : VI 2447076-001

Customer No.: 4019992

Sampled On : August 29, 2024 at 13:15

Sampled By : Dan Larkin

Received On : August 29, 2024 at 13:55

Matrix : Drinking Water

Sample Results - Radio

Constituent	Result ± Error	MDA	Units	MCL/AL	DQF	Sample Preparation		Sample Analysis			William	
Radio Chemistry						Date	Time	Who	Method	Date	Time	Who
Gross Alpha	9.85 ± 2.18	1.74	pCi/L	15/5		09/12/2024	08:05	amr	EPA 900.0	09/13/2024	07:50	amr

DQF Flags Definition:

h The MS/MSD did not meet QC criteria.

U Constituent results were non-detect.

ND=Non-Detected, RL=Reporting Level * RL adjusted for dilution‡ Surrogate.

MDA = Minimum Detectable Activity (Calculated at the 95% confidence level) = Data utilized by DHS to determine matrix interference.

MCL / AL = Maximum Contamination Level / Action Level. Alpha's Action Level of 5 pCi/L is based on the Assigned Value (AV). AV = Assigned Value(Gross Alpha Result + (0.84 x Error)). CCR Section 64442: Drinking Water Compliance Note: Do the following If Gross Alpha's (AV) exceeds 5 pCi/L run Uranium. If Gross Alpha's (AV) minus Uranium exceeds 5 pCi/L run Radium 226.

Drinking Water Compliance:

Gross Alpha (AV) minus Uranium is less than or equal to 15 pCi/L

Uranium is less than or equal to 20 pCi/L

Radium 226 + Radium 228 is less than or equal to 5 pCi/L

Note: Samples are held for 3-6 months prior to disposal.



Analytical Chemis

September 25, 2024

Self Help Emergency Services

Attn: Dan Larkin P.O. Box 6520 Visalia, CA 93290

Description:

Dup-

Project :

RDPWWARRC

Lab No. : VI 2447076-002

Customer No.: 4019992

Sampled On : August 29, 2024 at 13:15

Sampled By : Dan Larkin

Received On : at:

Matrix : Drinking Water

Sample Results - Inorganic

_													
Constituent	Result	RL	Units	MCL/AL	Dil.	DQF	Sample P	repara	tion	S	ample Ana	lysis	
Metals, Total							Date	Time	Who	Method	Date	Time	Who
Uranium	8.62	1	pCi/L	20	1	h	09/03/2024	10:00	ac	EPA 200.8	09/03/2024	13:40	ac

DQF Flags Definition:

ND=Non-Detected, RL=Reporting Level * RL adjusted for dilution, Dil.=Dilution

MCL = Maximum Contamination Level. 2 - Secondary Standard. 3 - CDPH Notification Level. AL = Regulatory Action Level.

h The MS/MSD did not meet QC criteria.



Self Help Emergency Services

Description:

Project : RDPWWARRC

Lab No. : VI 2447076-001

Customer No.: 4019992

Matrix : Drinking Water

Sampled On : August 29, 2024 at 13:15

Drinking Water Interpretations

Summary: Your water has a failure **to meet maximum contaminant levels (MCLs)** for one or more items on this sample report. Please see the table below to determine which items failed. Following the table is a brief explanation describing the significance of the failure and whether treatment may be required.

Constituent	Result	Units	MCL	Result Compa	red to MCL
Inorganic - Primary				Less Than or Equal	Exceeded
Arsenic	1	ug/L	10	PASS	
Chromium	17	ug/L	50	PASS	
Uranium	13	ug/L	20	PASS	
Nitrate Nitrogen	12.4	mg/L	10		FAIL
Perchlorate	19.2	ug/L	6		FAIL
Organic - Primary				Less Than or Equal	Exceeded
DBCP	0.14	ug/L	0.2	PASS	
EDB	ND	ug/L	0.05	PASS	
1,2,3-Trichloropropane	0.009	ug/L	0.005		FAIL
Radio - Primary				Less Than or Equal	Exceeded
Gross Alpha	9.85	pCi/L	15	PASS	

ND=Non-Detect

Definitions

MCL Primary	The maximum level at which a constituent may be present and be considered acceptable for potability or aesthetics. Items listed as primary are regulated because of health concerns. If there is a failure for a primary constituent
Fillialy	treatment is normally required.
Secondary	Items listed as secondary are regulated because they may adversely affect the taste, odor or appearance of drinking water. They are not directly health related. If there is a failure for a secondary constituent on a small public water system it is best to consult your regulator to determine if treatment is required. A secondary constituent failure for a private water system does not require treatment. However, the owner may wish to treat the water in order to improve the quality.
Treatment	If your water requires treatment we suggest that you contact a qualified water treatment company. They are normally listed under the following searches: Water Purification & Filtration Equipment Water Seftoning & Conditioning Equipment
	Water Softening & Conditioning Equipment Water Treatment Equipment

Health Effects Language

Infants below the age of six months who drink water containing nitrate in excess of the MCL may quickly become seriously ill and, if untreated, may die because high nitrate levels can interfere with the capacity of the infant's blood to carry oxygen. Symptoms include shortness of breath and blueness of the skin. High nitrate levels may also affect the oxygen-carrying ability of the blood of Pregnant women.

Section: Drinking Water Interpretations

Page 6 of 12

Page 6 of 12

Some people who use water containing 1,2,3-trichloropropar of getting cancer, based on studies in laboratory animals.	ne in excess of the action level over many years may	have an increased risk
action, Drinking Water Interpretations	Page 7 of 12	Page 7 of 12



Self Help Emergency Services

Description : Dup-

Project : RDPWWARRC

Lab No. : VI 2447076-002

Customer No.: 4019992

Matrix : Drinking Water

Sampled On : August 29, 2024 at 13:15

Drinking Water Interpretations

Summary: Your water was acceptable for all items tested on this sample report. Details are presented below:

Constituent	Result	Units	MCL	Result Compared to MCL			
Inorganic - Primary				Less Than or Equal	Exceeded		
Uranium	8.62	pCi/L	20	PASS			

ND=Non-Detect

Definitions

00000000000	
MCL	The maximum level at which a constituent may be present and be considered acceptable for potability or aesthetics.
Primary	Items listed as primary are regulated because of health concerns. If there is a failure for a primary constituent treatment is normally required.
Secondary	Items listed as secondary are regulated because they may adversely affect the taste, odor or appearance of drinking water. They are not directly health related. If there is a failure for a secondary constituent on a small public water system it is best to consult your regulator to determine if treatment is required. A secondary constituent failure for a private water system does not require treatment. However, the owner may wish to treat the water in order to improve the quality.
Treatment	If your water requires treatment we suggest that you contact a qualified water treatment company. They are normally listed under the following searches: Water Purification & Filtration Equipment Water Softening & Conditioning Equipment Water Treatment Equipment



Self Help Emergency Services

Lab No.

: VI 2447076

Customer No.

: 4019992

Ouality Control - Metals

F		Quanty C	DILLIOI - MI	Ctuis				
Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals			S					
Arsenic	200.8	09/03/2024:209872AC	MS	ug/L	5.000	160%	75-125	435
		(VI 2447074-002)	MSD	ug/L	5.000	153%	75-125	435
			MSRPD	ug/L		3.2%	≤20	
Chromium	200.8	09/03/2024:209872AC	MS	ug/L	5.000	99.6%	75-125	
		(VI 2447074-002)	MSD	ug/L	5.000	106%	75-125	
			MSRPD	ug/L		2.0%	≤20	
Uranium	200.8	09/03/2024:209872AC	MS	ug/L	5.000	135%	75-125	435
		(VI 2447074-002)	MSD	ug/L	5.000	132%	75-125	435
			MSRPD	ug/L		1.6%	≤20	

Definition

DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.

MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.

MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.

MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.

ND : Non-detect - Result was below the DQO listed for the analyte.

Explanation

435 : Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

Self Help Emergency Services

Lab No. : VI 2447076 Customer No. : 4019992

Quality Control - Organic

Constituent	Method	Date/ID		Unit	s Conc.	QC Data	DQO Note
Organic							Employed State of the State of
1,2-Dibromoethane(EDB)	504	09/04/2024:209923MNM	l Blank	ug/L		ND	< 0.0194
			LCS	ug/L	0.2358	93.2%	70-130
			LCS	ug/L		107%	70-130
			MS	ug/L	0.2368	96.5%	70-130
		(SP 2400097-147)	MSD	ug/L	0.2402	110%	70-130
			MSRPD	ug/L		14.5%	≤30
			QMDL	ug/L	0.01921	97.4%	60-140
1,3-Dibromopropane	504	09/04/2024:209923MNM	Blank	ug/L	0.4957	72.7%	70-130
			LCS	ug/L		93.7%	70-130
			LCS	ug/L	0.5132	109%	70-130
			MS	ug/L		98.0%	70-130
		(SP 2400097-147)	MSD	ug/L	0.5060	122%	70-130
			MSRPD	ug/L		23.0%	≤30
			QMDL	ug/L	0.5076	122%	70-130
DBCP	504	09/04/2024:209923MNM	Blank	ug/L		ND	< 0.00969
			LCS	ug/L	0.2358	83.3%	70-130
			LCS	ug/L	0.2436	100%	70-130
			MS	ug/L	0.2368	87.8%	70-130
		(SP 2400097-147)	MSD	ug/L	0.2402	107%	70-130
			MSRPD	ug/L		20.8%	≤30
			QMDL	ug/L	0.01920	115%	60-140
1,2,3-Trichloropropane	524M-TCP	09/06/2024:210052LFS	Blank	ng/L		ND	< 5
			LCS	ng/L	5.000	99.7%	80-120
			MS	ng/L	5.000	96.5%	80-120
		(SP 2414395-004)	MSD	ng/L	5.000	102%	80-120
			MSRPD	ng/L		5.5%	≤20

Definition

Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.

LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.

MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.

MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.

MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.

Self Help Emergency Services

Lab No. : VI 2447076 Customer No. : 4019992

Ouality Control - Radio

Constituent	Method	Date/ID	Туре	Units	Conc.	QC Data	DQO	Note
Radio						•		
Gross Alpha	900.0	09/12/2024:210242AMR	Blank	pCi/L		ND	<1.5267	
			LCS	pCi/L	167.7	98.0%	50-135	
			MS	pCi/L	167.7	75.4%	60-140	
		(CH 2478120-002)	MSD	pCi/L	167.7	61.3%	60-140	
			MSRPD	pCi/L		20.0%	≤30	

Definition

Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.

LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.

MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.

MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.

MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.

Self Help Emergency Services

Lab No.

: VI 2447076

Customer No. : 4019992

Quality Control - Wet Chem

		Quality Colle	IOI - WCL					
Constituent	Method	Date/ID	Туре	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Perchlorate	331.0	09/04/2024:209967SBL	Blank	ug/L		ND	< 0.1	
			LCS	ug/L	0.5000	107%	80-120	
			MS	ug/L	0.5000	97.6%	80-120	
		(SP 2414282-001)	MSD	ug/L	0.5000	100%	80-120	
			MSRPD	ug/L		1.8%	≤20	
Nitrate Nitrogen	4500NO3F	09/04/2024:209957ILP	Blank	mg/L		ND	< 0.4	
			LCS	mg/L	11.22	100%	80-120	
			MS	mg/L	5.609	98.1%	66-125	
		(SP 2414241-003)	MSD	mg/L	5.609	98.8%	66-125	
			MSRPD	mg/L		0.6%	≤30.4	

Definition

Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.

LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.

MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.

MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.

MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.



Special

CHAIN OF CUSTODY www.fglinc.com

Laboratory Copy (1 of 2)

	418	53:10/	02/202	3		TES	T DESCRIP	TION -	See Reve	erse side	for Conta	iner, Pre	eservative	and Samplin	ng informati	on	
Client: Self Help Emergency Services Address: Attn: Dan Larkin P.O. Box 6520 Visalia, CA 93290			Waste(W)	:(RPL)						= -							
Phone: (559)802-1267 Fax: Contact Person: Dan Larkin Project Name: RDPWWA Purchase Order Number: Quote Number: Sampler(s)	Composite(C) Grab(G) **SEE REVERSE SIDE**	le(NP) Ag Water(AgW)	₩	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)		ate	 Collect Sample in 8oz Container Filter 100ml into Sterile 125ml Container 8oz(P), 125ml(SFS) 				TOO GIVE	Alpha					
Sampling Fee:	Method of Sampling: (Type of Sample *	Non-Potab	Bacti Type: Other(O)	Reason: Routine(F O) Special(SPL)	Metals, Total-As,Cr,U 250ml(P)-HNO3	Wet Chemistry-Perchlorate	lect Sample in 8oz er 100ml into Steri , 125ml(SFS)	Wet Chemistry-NO3-N 80z(P)	EPA 504.1-DBCP,EDB 40ml(VOA)	SRL 524M-TCP 40ml(AVT)-HCI	Conform-Quanti Tray To	Radio Chemistry-Gross Alpha 3202(P)	Metals, Total-U ***Report in pCi/L***	.s			
Samp Num Location Description Date Sampled Sampled 1 9 29 21 315	G D Type	_	Bacti 7	Bacti F Other(Metals 750ml	Wet C	1. Col 2. Filk 802(P)	Wet Cl 8oz(P)	EPA 5	SRL 5	Olio I	Radio 320z(F	Metals ***Rel				
2 Dup-	G D	w											х				
						-											1
		-	-														
Rcmarks: RHHWAP- ***Duplicate Required for Uranium Reporting*** ***Report U in both ug/L and pCi/L***	Relingu	U		Č	Date:	y ,	R55	elinquish	· 8 ·	79·	Date:	Tim Y [7]	30 (inquished	જી!	Date: 30/24 Date:	Time:
NOT FOR SDWA COMPLIANCE	Receive	•	8.8	29·.	Date:	५ <i>]</i>	Time: F	eceived E		ì· <u>a</u> c		Tim V73	Ι.	AU	813	0/24	1300

Corporate Offices & Laboratory
853 Corporation Street 23.2°C Roc Santa Paula, CA 93060 #D# TH 278 Phone: (805) 392-2000

Env Fax: (805) 525-4172 / Ag Fax: (805) 392-2063

Office & Laboratory 2500 Stagecoach Road Stockton, CA 95215 Phone: (209) 942-0182 Fax: (209) 942-0423

Office & Laboratory 563 E. Lindo Chico, CA 95926 Phone: (530) 343-5818 Fax: (530) 343-3807

Office & Laboratory 3442 Empresa Drive, Suite D San Luis Obispo, CA 93401 Phone: (805) 783-2940 Fax: (805) 783-2912

Office & Laboratory 9411 W. Goshen Avenue

Visalia, CA 93291 Phone: (559) 734-9473 Fax: (559) 734-8435

Sam _]	Inter-Laboratory Condition Upon Receple Receipt at: CC CH STK D Number of ice chests/packages received: Shipping	• `)	
2. 3.	Temp IR Gun ID #: TH 278 Were samples received on ice? Surface water SWTR bact samples: A sample that has a temperature u should be flagged unless the time since sample collection has been less	.2°C pon receipt	/ of >10°	/	/ her iced c	or not,
_	Do the number of bottles received agree with the COC? Were samples received intact? (i.e. no broken bottles, leaks VOAs checked for Headspace? Were all analyses within holding times at time of receipt? Verify sample date, time and sampler name and date the COC, place in a ziplock and put in the same ic ple Receipt Review completed by (initials):	ŕ	TES TES TES TES THE SAM	No No No No No nples.	N/A N/A	
 2. 3. 	Number of ice chests/packages received: 3 Shipping Temp IR Gun ID #: THUS Were samples received on ice? (Fee) No Temps: 2: Acceptable is above freezing to 6°C. If many packages are received at one	<u>c_/</u>	් දි _/	1999 1920 _/	1691	
5.	Do the number of bottles received agree with the COC? Were samples received intact? (i.e. no broken bottles, leaks and date the COC, obtain LIMS sample numbers, select me		Yes Yes ts and p	No No rint lab	N/A els.	
1. 2. 3. 4. 5. 6. Attac	Did bottle labels correspond with the client's ID's? Were all bottles requiring sample preservation properly pre [Exception: Oil & Grease, VOA and CrVI verifies VOAs checked for Headspace? Have rush or project due dates been checked and accepted? Were all analyses within holding times at time of receipt? h labels to the containers and include a copy of the COC for the Receipt, Login and Verification completed by (initials):	ed in lab) o r lab deliv	Yes Yes	No No No No No	N/A N/A	FGL
Discr Any i 1.	repancy Documentation: tems above which are "No" or do not meet specifications (i Person Contacted:		nber:			_
	Initiated By:	hone Nun Self Help V	(40199	92) ency Se		28



BSK Associates Laboratory Fresno 687 N. Laverne Avenue Fresno, CA 93727 559-497-2888 (Main)

AIA4523 2/14/2025

Invoice: AI04375

Dan Larkin Self Help Enterprises - Emergency Services 8445 W. Elowin Ct. Visalia, CA 93291

RE: Report for AIA4523 General DW

Dear Dan Larkin.

Thank you for using BSK Associates for your analytical testing needs. In the following pages, you will find the test results for the samples submitted to our laboratory on 1/31/2025. The results have been approved for release by our Laboratory Director as indicated by the authorizing signature below.

The samples were analyzed for the test(s) indicated on the Chain of Custody (see attached) and the results relate only to the samples analyzed. BSK certifies that the testing was performed in accordance with the quality system requirements specified in the 2016 TNI Standard. Any deviations from this standard or from the method requirements for each test procedure performed will be annotated alongside the analytical result or noted in the Case Narrative. Unless otherwise noted, the sample results are reported on an "as received" basis.

This certificate of analysis shall not be reproduced except in full, without written approval of the laboratory.

If additional clarification of any information is required, please contact your Client Services Representative, Lisa M Cardenas, at 559-497-2888.

Thank you again for using BSK Associates. We value your business and appreciate your loyalty.

Sincerely,

Lisa M Cardenas, Project Coordinator II



Accredited in Accordance with NELAP ORELAP #4021





Case Narrative

Project and Report Details Invoice Details

Client: Self Help Enterprises - Emergency Services Invoice To: Self Help Enterprises - Emergency Ser

Report To: Dan Larkin Invoice Attn: Emily McCague

Project #: RPDWWARRC - Project PO#: =

Received: 1/31/2025 - 14:30 **Report Due:** 2/14/2025

Sample Receipt Conditions

Cooler:Default CoolerContainers IntactTemperature on Receipt °C: 2.6COC/Labels AgreeReceived On Ice

Sample(s) arrived at lab on same day sampled.

Packing Material - Other

Sample(s) preserved after receipt at lab.

Initial receipt at BSK-Visalia

Data Qualifiers

The following qualifiers have been applied to one or more analytical results:

Report Distribution

Recipient(s)	Report Format	CC:
Dan Larkin	MCL_FINAL.RPT	
Emily McCague	MCL_FINAL.RPT	

^{***}None applied***



General DW

RPDWWARRC -

Certificate of Analysis

Sample Date - Time: 01/31/2025 - 10:15

Matrix: Drinking Water

Sample Type: Grab

Sample ID: AIA4523-01
Sampled By: Resident
Sample Description:

BSK Associates Laboratory Fresno Metals

					RL	10	2 °			
Analyte	Method	Result	RL	Units	Mult	MCL	MCL	Batch	Prepared	Analyzed Qual
Copper	EPA 200.8	ND	50	ug/L	1		1000	AIB0062	02/03/25	02/11/25
Lead	EPA 200.8	ND	5.0	ug/L	1			AIB0062	02/03/25	02/11/25



BSK Associates Laboratory Fresno

Metals Quality Control Report

				Spike	Source		%REC		RPD	Date
Analyte	Result	ŘL	Units	Level	Result	%REC	Limits	RPD	Limit	Analyzed Qual
		EPA 20	0.8 - Q	uality Co	ntrol					
Batch: AIB0062										Prepared: 2/3/20
Prep Method: EPA 200.2										Analyst: E
Blank (AIB0062-BLK1)										
Copper	ND	50	ug/L							02/11/25
Lead	ND	5.0	ug/L							02/11/25
Blank Spike (AIB0062-BS1)										
Copper	230	50	ug/L	240	ND	94	85-115			02/11/25
Lead	220	5.0	ug/L	240	ND	92	85-115			02/11/25
Blank Spike Dup (AIB0062-BSD1)										
Copper	230	50	ug/L	240	ND	96	85-115	2	20	02/11/25
Lead	210	5.0	ug/L	240	ND	89	85-115	4	20	02/11/25
Matrix Spike (AIB0062-MS1), Source: A	NIA4371-02									
Copper	280	50	ug/L	240	59	93	70-130			02/11/25
Lead	210	5.0	ug/L	240	ND	86	70-130			02/11/25
Matrix Spike (AIB0062-MS2), Source: A	NA4563-02									
Copper	610	50	ug/L	240	370	101	70-130			02/11/25
Lead	220	5.0	ug/L	240	9.3	86	70-130			02/11/25
Matrix Spike Dup (AIB0062-MSD1), So	urce: AIA4371-02									
Copper	280	50	ug/L	240	59	93	70-130	0	20	02/11/25
Lead	210	5.0	ug/L	240	ND	85	70-130	1	20	02/11/25
Matrix Spike Dup (AIB0062-MSD2), So	urce: AIA4563-02									
Copper	600	50	ug/L	240	370	98	70-130	1	20	02/11/25
Lead	220	5.0	ug/L	240	9.3	87	70-130	1	20	02/11/25



Notes:

- The Chain of Custody document and Sample Integrity Sheet are part of the analytical report.
- Any remaining sample(s) for testing will be disposed of according to BSK's sample retention policy unless other arrangements are made in advance.
- All positive results for EPA Methods 504.1 and 524.2 require the analysis of a Field Reagent Blank (FRB) to confirm that the results are not a contamination error from field sampling steps. If Field Reagent Blanks were not submitted with the samples, this method requirement has not been performed.
- Samples collected by BSK Analytical Laboratories were collected in accordance with the BSK Sampling and Collection Standard Operating Procedures.
- J-value is equivalent to DNQ (Detected, not quantified) which is a trace value. A trace value is an analyte detected between the MDL and the laboratory reporting limit. This result is of an unknown data quality and is only qualitative (estimated). Baseline noise, calibration curve extrapolation below the lowest calibrator, method blank detections, and integration artifacts can all produce apparent DNQ values, which contribute to the un-reliability of these values.
- (1) Residual chlorine and pH analysis have a 15 minute holding time for both drinking and waste water samples as defined by the EPA and 40 CFR 136. Waste water and ground water (monitoring well) samples must be field filtered to meet the 15 minute holding time for dissolved metals.
- Field tests are outside the scope of laboratory accreditation and there is no certification available for field testing.
- Summations of analytes (i.e. Total Trihalomethanes) may appear to add individual amounts incorrectly, due to rounding of analyte values occurring before or after the total value is calculated, as well as rounding of the total value.
- RL Multiplier is the factor used to adjust the reporting limit (RL) due to variations in sample preparation procedures and dilutions required for matrix interferences
- Due to the subjective nature of the Threshold Odor Method, all characterizations of the detected odor are the opinion of the panel of analysts. The characterizations can be found in Standard Methods 2170B Figure 2170;1.
- The MCLs provided in this report (if applicable) represent the primary MCLs for that analyte.
- (2) Formerly known as Bis(2-Chloroisopropyl) ether.
 - Unless otherwise noted, TOC results by SM 5310C method do not include purgeable organic carbon, which is removed along with the inorganic carbon interference. The POC contribution to TOC is considered to be negligible.





Definitions

mg/L: Milligrams/Liter (ppm) Milligrams/Kilogram (ppm) mg/Kg: μg/L: Micrograms/Liter (ppb) Micrograms/Kilogram (ppb) μg/Kg:

Percent

NR: Non-Reportable MDL: RL:

Method Detection Limit Reporting Limit: DL x Dilution None Detected below MRL/MDL

ND: pCi/L: PicoCuries per Liter

RL Mult: RL Multiplier

MCL: Maximum Contaminant Limit

MDA95: Min. Detected Activity MPN: Most Probable Number CFU: Colony Forming Unit

Absent: Less than 1 CFU/100mLs 1 or more CFU/100mLs Present:

The analyte was not detected at or

above the reported sample quantitation

Please see the individual Subcontract Lab's report for applicable certifications.

The following parameters are not available for certification through CA ELAP:

Odor

Diisopropyl ether (DIPE) by EPA 524.2

The following parameters are calculated values and are outside the scope of our NELAP accreditation:

Total Nitrogen

Aggressive Index

Trivalent Chromium

BSK is not accredited under the NELAP program for the following additional parameters:

NA



Certifications: Please refer to our website for a copy of our Accredited Fields of Testing under each certification.

State of California - ELAP 1180 State of Hawaii 4021 9254479 NELAP certified 4021-024 Los Angeles CSD State of Nevada NV-C24-00233 State of Oregon - NELAP 4021-024 EPA UCMR5 CA00079 State of Washington C997-24b

Sacramento

State of California - ELAP 1180-S1

San Bernardino

 State of California - ELAP
 1180-S2
 Los Angeles CSD
 9254478

 NELAP certified
 4119-009
 State of Oregon - NELAP
 4119-009

Vancouver

NELAP certified WA100008-019 State of Oregon - NELAP WA100008-019

State of Washington C824-24

Sample Integrity



DC	on bottles. (res ino Page	or		_		····			***************		**********	mer ja kasa ka		
	Was temperature within range? Chemistry ≤ 6°C Micro < 8°C	Yes No N	A			correct contred for the te			es	V	s	No		
Info	If samples were taken today, is there evidence	No NA	Δ	Bu	bbl	es Present V	/OAs (524.	2/TTHM/TC	P)?	Yes Yes	No			
	that chilling has begun?		_	TB Received? (Check Method Below) Was a sufficient amount of sample received?							No			
200	Did all bottles arrive unbroken and intact? Did all bottle labels agree with COC?	Yes No	-			mples have				Yes		No		
0	Was sodium thiosulfate added to CN sample(s)					PM notified o			3.					
	until chlorine was no longer present?	Yes 🐠		PM	1:	dt:	err	ail scan	сору	Yes	INO	NA		
	250ml(A) 500ml(B) 1Liter(C) 40mlVOA(V) 125ml(D)	Checks*	F	asse	d?		-	1 2 2 2 2						
	Bacti Na ₂ S ₂ O ₃	DANGE.		-		100		T ATTEN	8 3			The state		
	None (P)White Label		Mon		L	Car Printer violant in	all program to a			-/-	1	n Newsork a		
	Cr6 (P) Lt. Green Label/Blue Cap NH4OH(NH4)2SO4 DW	CI, pH > 8		M. M.	F			对我们	建物的	/_		2.074		
ap	Cr6 (P) Pink Label/Blue Cap NH4OH(NH4)2SO4 WW	pH 9.3-9.7	F		F	F-Jeans Fall Value			/	Course and Sa	E5456	ii ta Stari		
in the	Cr6 (P) Black Label/Blue Cap NH4OH(NH4)2SO4 7199	pH 9.0-9.5	F		F				V					
bed	HNO3 (P) Red Label Or HCH (P) GIVE Cabel			-		10			7					
lorin	H ₂ SO ₄ (P) or (AG) Yellow Label	pH < 2	F		F			1 7		are el	BIE			
pe	NaOH (P) Green Cap/Label	CI, pH >10	F	, F										
are	NaOH + ZnAc (P)	pH > 9	F	F	Ē	7 Date:					De Y	F 18		
A O	Dissolved Oxygen 300ml (g)	-		_	İ				1					
Z	None (AG) 608/8081/8082, 825, 632/8321, 8151, 8270	<u> </u>	1,5	-		H H AS	14000			. 1	110	533		
Bottles Received	HCI (AG) ^{LL Blue Label} O&G, Diesel. TCP	-		-		_				1				
are e	Ascorbic, EDTA, KH2Ct (AG)Pink Label 525		-	- 1			- Veturia			33.6				
5 S	Na ₂ SO ₃ 250mL (AG) ^{Neon Green Label} 515	_						1						
tles chec	Na ₂ S ₂ O ₃ 1 Liter (Brown P) 549	104.13		-		Ru Val				5.08	N.			
30t	Na ₂ S ₂ O ₃ (AG) ^{Blue Label} 548, THM, 524	_	-											
H H	Na ₂ S ₂ O ₃ (CG) Blue Label 504, 505, 547					re fin Y	4 5			his hij	8/2	L)		
ion/c	Na ₂ S ₂ O ₃ + MCAA (CG) ^{Orange Label} 531	pH < 3	Р	F			1							
ıval	NH4CI (AG)Purple Label 552	1924 103		-				110	i jinan		Q.	1 3		
rese	EDA (P) or (AG) Brown Label DBPs			_			1	1						
d Su	HCL (CG) 524.2,BTEX,Gas, MTBE, 8260/624		5	-		2.31 高级	1	/ 1	12.		15	S. IIV		
nea	Buffer pH 4 (CG)			_										
= 1	HaPO4 (CG)Salman tabèl			-		Pharestal						40		
	Trizma – EPA 537, 1Light Blue Label FB													
	Ammonia Acetate - EPA 533 Purple Label FB			-		17 12 11			M.					
-	Bottled Water	-	E 10	-		F101-4-91 (04)	V	North State			1000			
F	Clear Glass: Jar / VOA OTHER:	MANAGE AND W	10	-	O.	1 4 3,00	Catalana Fi		7	Te III	1,00	3 E2H		
-	OTHER:				3	4.00年进		5-746 L-13	More	Septime.	VE.	1 - 1		
-	Container Preservative	Lot#	lni	tials		Date/Time	Pre	servation	Che	ck '				
Split	S/P) 3702 M3 AH10	506	بالر	<u></u>	1	-11.52 19-0	pH L							
	*Preservation check completed by lab performing	ng analysis.		1	le	ndicates B								
Comments			50	4 <u> </u>	_	524.2			_		;P_			
- 1	Labeled by: Checked b	y:	0											
	Scan	ned:		F) LIC	h/Short HT	Page:	Ti	me:					





687 N. Laverne Ave., Fresno, CA 93727 (559) 497-2888 CA ELAP No. 1180

9332 Tech Center Dr. Ste. 100, Sacramento CA 95826

(916) 853-9293 CA ELAP No. 1180-S1

	Turnaround Time Request
X	Standard - 10 business days
	Rush (Surcharge may apply)
Ш	Date needed:

AIA4523	SELFH9075	01/31/2025	~
		10	

www.bskassociates.com Temp: 2 & C The		D: (4		*Requir	red Fields		_		Monda Wilson W. Wilson	montelli montelle de la constanta	Material Control of the Control	or at constant by the same of the same	water which is supplied to	daverdeskiek i jortania	
Dar	t Attention': 1 Larkin			Invoice To*: Emily M	1cCague		Phone*:	362-	9075			Fax:			
Self Help Enterprises - Emergency Services	onal cc's,			PO#			l' '			elfhe	lpen	terpr	ises	.org	
Address: 8445 W. Elowin Ct.	Visalia			Stat		Zip*: 93291	_ ,,,,,,,,,	-(EDB/DBCP)			•		ead/Copper Rule		
Project:	Project #:			Phase #	Task #:			DB	Arsenic, Chromium			Pkg.	亞		
RPDWUARR C Reporting Options:	Regulatory	Carbon Copie	·s		Regulatory Con	npliance	۵)B/	Z/				ē		
Trace (J-Flag) Swamp EDD Type:	SWRCB (Drink					, CB (Drinking Water)	TC	更	5	3	4	<u>a</u> ;	d		
Sampler Name (Printed/Signature)*:	Merced Co		Fresno Co Tulare Co	Syste	m Number*: _			1 1	5	.⊒	4	₫	잉		
Resident	Madera Co Other:		ruiale Co	Geotrac	cker #:		2,3	504	Ţ.	#	Ġ	45	× I		
Matrix Types: SW=Surface Water BW=Bottled Waler GW=Grou							di	EPA 504.1	rse	Jranium	Nitrate-N	Perchlorate	ğ		
# Sample Description*	Date	Time	Matrix*	Comme	ents / Station C	Code / WTRAX	+	ш	A	\mathcal{L}	Z	Ф	ت		
(1-31-25	1015	DW										X		
			-												
				1						7					
							_								
				1											
Relinquished by: (Signature and Printed Name)	Company		Date	Time Re	aceived by (Signa	sture and Printed Name)				I		Company			
Relinquished by: (Signature and Printed Name)	SHE - ES		1-3/-20	1040	and to 10 min	nure and Printed Name)						Company			
remiquismed by, toignature and infinite realizer	Company		Date	Time Re	ELERVED DV (SAIGHT	mars and milited (VAC)2						Company			
Received for Lab by. (Signature and Printed Name)			Pate (-)1-47	Time Pa	ayment Receive	ed at Delivery		Amount			PIA#:	Che		Init.	Cash
Shipping Method: GLS UPS WALK-IN Cooling Method: Wal Blue Nane	FED EX	PMS	Courier:	TSV	-7		Custod: Chilling	y Seal: \ Process	\sim	Y) N					50

Payment for services rendenses rendenses and developed in the services rendenses and days from the date invoked. If not so paid, account balances are element delinquent. Delinquent balances are subject to monthly service charges and interest specified in BSK's current. Standard Terms and Conditions for Laboratory Services. The person signing for the ClentiCompany. acknowledges that they are either the Client trian and conditions for laboratory services unless contractually equid differences. ESK's contractually equid differences and services the Client triangles to be responsible for payment for the someoscital conditions on the Client triangles to add an www.bsksspoorates.com/BSKLab Terms Conditions god



SIERRA DAIRY LABORATORY

432 North 'O' Street Tulare, CA 93274 (559) 686-2070 Fax (559) 686-2099

ELAP Cert #1384

Report To:

Central Valley Well Drilling and Pumps

Attn: Justin Rodriguez PO Box 2099 Tulare CA 93275

Email:cvwelldrilling@gmail.com

House:

Analytical Results

Test Date: 8/19/2024 Sample Type: Drinking Water

Sample IDSample DateTime CollectedLab Control #Total ColiformE. ColiWater8/19/2024NA08192430AbsentAbsent

Methods:

Colilert- Std Methods for the Examination of Water & Wastewater, 22nd Ed. 9223B (Colilert)

Melinda Freitas

Natalie Faria

Laboratory Manager Technical Manager

AIC3355 3/31/2025

Invoice: AI09244

Dan Larkin Self Help Enterprises - Emergency Services 8445 W. Elowin Ct. Visalia, CA 93291

RE: Report for AIC3355 General DW

Dear Dan Larkin,

Thank you for using BSK Associates for your analytical testing needs. In the following pages, you will find the test results for the samples submitted to our laboratory on 3/21/2025. The results have been approved for release by our Laboratory Director as indicated by the authorizing signature below.

The samples were analyzed for the test(s) indicated on the Chain of Custody (see attached) and the results relate only to the samples analyzed. BSK certifies that the testing was performed in accordance with the quality system requirements specified in the 2016 TNI Standard. Any deviations from this standard or from the method requirements for each test procedure performed will be annotated alongside the analytical result or noted in the Case Narrative. Unless otherwise noted, the sample results are reported on an "as received" basis.

This certificate of analysis shall not be reproduced except in full, without written approval of the laboratory.

If additional clarification of any information is required, please contact your Client Services Representative, Lisa M Cardenas, at 559-497-2888.

Thank you again for using BSK Associates. We value your business and appreciate your loyalty.

Sincerely,

Lisa M Cardenas, Project Coordinator II



Accredited in Accordance with NELAP ORELAP #4021





Case Narrative

Project and Report Details Invoice Details

Client: Self Help Enterprises - Emergency Services Invoice To: Self Help Enterprises - Emergency Ser

Report To: Dan Larkin Invoice Attn: Emily McCague

Project #: RHHWAP - Project PO#: -

Received: 3/21/2025 - 14:00 **Report Due:** 4/04/2025

Sample Receipt Conditions

Cooler: Default Cooler Containers Intact

Temperature on Receipt °C: 1.8 COC/Labels Agree
Received On Ice

Sample(s) arrived at lab on same day sampled.

Packing Material - Other

Sample(s) were received in temperature range.

Initial receipt at BSK-Visalia

Data Qualifiers

The following qualifiers have been applied to one or more analytical results:

Report Distribution

Recipient(s)	Report Format	CC:
Dan Larkin	MCL_FINAL.RPT	
Emily McCague	MCL_FINAL.RPT	

^{***}None applied***





RHHWAP -

Certificate of Analysis

Sample ID: AIC3355-01
Sampled By: Resident
Sample Description:

 $\textbf{Sample Date - Time:} \ \ 03/21/2025 - 09:45$

Matrix: Drinking Water

Sample Type: Grab

BSK Associates Laboratory Fresno General Chemistry

					RL	1°	2 °				
Analyte	Method	Result	RL	Units	Mult	MCL	MCL	Batch	Prepared	Analyzed	Qual
Conductivity @ 25C	SM 2510B	29	5.0	umhos/cm	1		900	AIC1983	03/28/25	03/28/25	
Nitrate as N	EPA 300.0	1.8	0.23	mg/L	1	10		AIC1587	03/22/25 21:08	03/22/25	
Perchlorate	EPA 314.0	ND	1.0	ug/L	1	6		AIC1851	03/27/25	03/27/25	





RHHWAP -

Certificate of Analysis

Sample ID: AIC3355-02
Sampled By: Resident
Sample Description:

 $\textbf{Sample Date - Time:} \ \ 03/21/2025 - 09:50$

Matrix: Drinking Water

Sample Type: Grab

BSK Associates Laboratory Fresno Organics

Analyte	Method	Result	RL	Units	RL Mult		2° MCL	Batch	Prepared	Analyzed	Qual
1,2,3-Trichloropropane by GC-M											
1,2,3-Trichloropropane	SRL 524M-TCP	ND	0.0050	ug/L	1	0.005		AIC1726	03/25/25	03/25/25	



BSK Associates Laboratory Fresno General Chemistry Quality Control Report

				Spike	Source		%REC		RPD	Date
Analyte	Result	RL	Units	Level	Result	%REC	Limits	RPD	Limit	Analyzed Qual
		EPA 3)0.0 - Qເ	ality Co	ntrol					
Batch: AIC1587										Prepared: 3/22/2025
Prep Method: Method Specific Preparat	ion									Analyst: DXF
Blank (AIC1587-BLK1)										
Nitrate as N	ND	0.23	mg/L							03/22/25
Blank Spike (AIC1587-BS1)										
Nitrate as N	24	0.23	mg/L	23	ND	105	90-110			03/22/25
Matrix Carilos (ALCAFOZ MCA), Common All	2225 04									
Matrix Spike (AIC1587-MS1), Source: Ald Nitrate as N	2 3355-01 13	0.23	mg/L	11	1.8	103	80-120			03/22/25
		0.20	9.=	••		.00	00 .20			00:12:20
Matrix Spike (AIC1587-MS2), Source: Al										
Nitrate as N	17	0.23	mg/L	11	4.9	104	80-120			03/23/25
Matrix Spike Dup (AIC1587-MSD1), Sour	ce: AIC3355-01									
Nitrate as N	13	0.23	mg/L	11	1.8	103	80-120	0	20	03/22/25
Matrix Spike Dup (AIC1587-MSD2), Sour	ce: AIC3292-01									
Nitrate as N	17	0.23	mg/L	11	4.9	106	80-120	1	20	03/23/25
		FPA 3	14.0 - Qu	ality Co	ntrol					
Batch: AIC1851		,,,		unity 00						Prepared: 3/26/2025
Prep Method: Method Specific Preparat	ion									Analyst: CYS
Blank (AIC1851-BLK1)										
Perchlorate	ND	1.0	ug/L							03/26/25
Blank Spike (AIC1851-BS1)										
Perchlorate	15	1.0	ug/L	15	ND	97	85-115			03/26/25
			Ü							
Matrix Spike (AIC1851-MS1), Source: Al Perchlorate	C3355-01 4.8	1.0	ug/L	5.0	ND	95	80-120			03/27/25
reciliorate	4.0	1.0	ug/L	3.0	ND	93	00-120			03/21/23
Matrix Spike Dup (AIC1851-MSD1), Sour										
Perchlorate	5.0	1.0	ug/L	5.0	ND	101	80-120	6	15	03/27/25
		SM 25	10B - Qւ	ality Co	ntrol					
Batch: AIC1983										Prepared: 3/27/2025
Prep Method: Method Specific Preparat	ion									Analyst: PXC
Blank (AIC1983-BLK1)										
Conductivity @ 25C	ND	1.0	umhos/cm							03/27/25
Blank Spike (AIC1983-BS1)										
Conductivity @ 25C	1400	1.0	umhos/cm	1400	ND	97	90-110			03/27/25
Blank Snika Dun (AIC4092 BSD4)										
Blank Spike Dup (AlC1983-BSD1) Conductivity @ 25C	1400	1.0	umhos/cm	1400	ND	99	90-110	3	5	03/27/25
		3				20				
he results in this report apply to the samples a ccordance with the chain of custody document	. This								AIC335	5 FINAL 03312025 1127
nalytical report must be reproduced in its entire	ety.									Page 5 of 12





BSK Associates Laboratory Fresno General Chemistry Quality Control Report

Analyte	Result	RL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
		SM 2510B - Q	uality Co	ntrol						
Batch: AIC1983			-						Prepare	d: 3/27/2025
Prep Method: Method Specif	ic Preparation								Α	nalyst: PXC
Duplicate (AIC1983-DUP1), So	ource: SIC0565-05									
Conductivity @ 25C	1200	1.0 umhos/cn	า	1300			1	5	03/28/25	





BSK Associates Laboratory Fresno Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed Qual
		SRL 524	M-TCP -	Quality (Control					
Batch: AIC1726										Prepared: 3/25/2025
Prep Method: no prep-volatiles										Analyst: CMF
Blank (AIC1726-BLK1)										
1,2,3-Trichloropropane	ND	0.0050	ug/L							03/25/25
Blank Spike (AIC1726-BS1)										
1,2,3-Trichloropropane	0.0046	0.0050	ug/L	0.0050	ND	92	80-120			03/25/25
Blank Spike Dup (AIC1726-BSD1)										
1,2,3-Trichloropropane	0.0048	0.0050	ug/L	0.0050	ND	95	80-120	3	30	03/25/25
Duplicate (AIC1726-DUP1), Source: Al	C3534-01									
1,2,3-Trichloropropane	ND	0.0050	ug/L		ND				30	03/25/25



Notes:

- The Chain of Custody document and Sample Integrity Sheet are part of the analytical report.
- Any remaining sample(s) for testing will be disposed of according to BSK's sample retention policy unless other arrangements are made in advance
- All positive results for EPA Methods 504.1 and 524.2 require the analysis of a Field Reagent Blank (FRB) to confirm that the results are not a contamination error from field sampling steps. If Field Reagent Blanks were not submitted with the samples, this method requirement has not been performed.
- Samples collected by BSK Analytical Laboratories were collected in accordance with the BSK Sampling and Collection Standard Operating Procedures.
- J-value is equivalent to DNQ (Detected, not quantified) which is a trace value. A trace value is an analyte detected between the MDL and the laboratory reporting limit. This result is of an unknown data quality and is only qualitative (estimated). Baseline noise, calibration curve extrapolation below the lowest calibrator, method blank detections, and integration artifacts can all produce apparent DNQ values, which contribute to the un-reliability of these values.
- (1) Residual chlorine and pH analysis have a 15 minute holding time for both drinking and waste water samples as defined by the EPA and 40 CFR 136. Waste water and ground water (monitoring well) samples must be field filtered to meet the 15 minute holding time for dissolved metals.
- Field tests are outside the scope of laboratory accreditation and there is no certification available for field testing.
- · Summations of analytes (i.e. Total Trihalomethanes) may appear to add individual amounts incorrectly, due to rounding of analyte values occurring before or after the total value is calculated, as well as rounding of the total value.
- · RL Multiplier is the factor used to adjust the reporting limit (RL) due to variations in sample preparation procedures and dilutions required for matrix interferences.
- Due to the subjective nature of the Threshold Odor Method, all characterizations of the detected odor are the opinion of the panel of analysts. The characterizations can be found in Standard Methods 2170B Figure 2170:1.
- · The MCLs provided in this report (if applicable) represent the primary MCLs for that analyte.
- · (2) Formerly known as Bis(2-Chloroisopropyl) ether.
 - Unless otherwise noted, TOC results by SM 5310C method do not include purgeable organic carbon, which is removed along with the inorganic carbon interference. The POC contribution to TOC is considered to be negligible.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Definitions

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)

µg/L: Micrograms/Liter (ppb)
µg/Kg: Micrograms/Kilogram (ppb)

%: Percent NR: Non-Reportable

MDL: Method Detection Limit
RL: Reporting Limit: DL x Dilution
ND: None Detected below MRL/MDL
pCi/L: PicoCuries per Liter

RL Mult: RL Multiplier

MCL: Maximum Contaminant Limit

MDA95: Min. Detected Activity
MPN: Most Probable Number
CFU: Colony Forming Unit
Absent: Less than 1 CFLI/100ml s

Absent: Less than 1 CFU/100mLs
Present: 1 or more CFU/100mLs
U: The analyte was not detect

The analyte was not detected at or above the reported sample quantitation

limit.

Please see the individual Subcontract Lab's report for applicable certifications.

The following parameters are not available for certification through CA ELAP:

Odor Diisopropyl ether (DIPE) by EPA 524.2

The following parameters are calculated values and are outside the scope of our NELAP accreditation:

Total Nitrogen Aggressive Index Trivalent Chromium

BSK is not accredited under the NELAP program for the following additional parameters:

NA



State of Washington

C824-24

Certificate of Analysis

Certifications: Please refer to our website for a copy of our Accredited Fields of Testing under each certification.

	1180-S3		
Fresno			
State of California - ELAP	1180	State of Hawaii	4021
Los Angeles CSD	9254479	NELAP certified	4021-024
State of Nevada	NV-C24-00233	State of Oregon - NELAP	4021-024
EPA UCMR5	CA00079	State of Washington	C997-25
Sacramento			
State of California - ELAP	1180-S1		
San Bernardino			
State of California - ELAP	1180-S2	Los Angeles CSD	9254478
NELAP certified	4119-009	State of Oregon - NELAP	4119-009
Vancouver			
NELAP certified	WA100008-019	State of Oregon - NELAP	WA100008-019

Sample Integrity



BS	K Bottles: Yes No Page	e_ of\	_			
	Was temperature within range? Chemistry ≤ 6°C Micro < 8°C	Yes No NA		correct contained for the tests	ers and preservatives requested?	Yes No
COC Info	If samples were taken today, is there evidence that chilling has begun?	Yes No NA			s (524.2/TTHM/TCP)? Method Below)	Yes NA Yes No NA
ပ	Did all bottles arrive unbroken and intact?	Yes No			unt of sample received?	Yes No
8	Did all bottle labels agree with COC?	Yes No			nold time <72 hours?	Yes No
	Was sodium thiosulfate added to CN sample(s) until chlorine was no longer present?	Yes MA	Was P	M notified of dis	screpancies? email scan copy	Yes No NA
	250ml(A) 500ml(B) 1Liter(C) 40mlVOA(V) 125ml(D)	Checks*	Passed?		2	
	Bacti Na ₂ S ₂ O ₃					
	None (P)White Label	_		(13		
	Cr6 (P) Lt. Green Label/Blue Cap NH4OH(NH4)2SO4 DW	CI, pH > 8	PF			
lab	Cr6 (P) Pink Label/Blue Cap NH40H(NH4)2SO4 WW	pH 9.3-9.7	P F		/	
in the k	Cr6 (P) Black Label/Blue Cap NH4OH(NH4)2SO4 7199	pH 9.0-9.5	PF			
	HNO ₃ (P) Red Label or HCI (P) Purple Cap/Lt. Blue Label	_	_			
performed	H ₂ SO ₄ (P) or (AG) Yellow Label	pH < 2	P F			
be	NaOH (P) Green Cap/Label	Cl, pH >10	P F			
rare	NaOH + ZnAc (P)	pH > 9	PF			
'A or	Dissolved Oxygen 300ml (g)	V <u>—2</u>				
er N/A	None (AG) 608/8081/8082, 625, 632/8321, 8151, 8270					
eit e	HCI (AG)Lt. Blue Label O&G, Diesel, TCP	×	s 		30	
ece are	Ascorbic, EDTA, KH ₂ Ct (AG) ^{Pink Label} 525					
Bottles Received	Na ₂ SO ₃ 250mL (AG) ^{Neon Green Label} 515	:	-			
tles che	Na ₂ S ₂ O ₃ 1 Liter (Brown P) 549	an a um				
30 ju	Na ₂ S ₂ O ₃ (AG) ^{Blue Label} 548, THM, 524	::	10			
무양	Na ₂ S ₂ O ₃ (CG) ^{Blue Label} 504, 505, 547		- 1			
Bo reservation/chlorine	Na ₂ S ₂ O ₃ + MCAA (CG) ^{Orange Label} 531	pH < 3	P F			
erval	NH ₄ Cl (AG) ^{Purple Label} 552				1 1	
rese	EDA (P) or (AG) Brown Label DBPs	::	8 			?
us	HCL (CG) 524.2,BTEX,Gas, MTBE, 8260/624					
пеа	Buffer pH 4 (CG)	× 	·			
-	H ₃ PO ₄ (CG) ^{Salmon Label}					
	Trizma – EPA 537.1Light Blue Label FB	1==				
30	Ammonia Acetate - EPA 533 Purple Label FB		- 1			
	Bottled Water	=	(/ /			
	Clear Glass: Jar / VOA	-				
ļ	OTHER:		-			
	OTHER:					
≝	Container Preservative	Lot #	Initials	Date/Time		heck
Split	S P				pH Lot #	
55.5	S P				CI Lot #	
	*Preservation check completed by lab perform	ung analysis.	✓	indicates Bla	inks Received	
Comments					TTHM 537/533	
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687 N. Laverne Ave., Fresno, CA 93727 CA ELAP No. 1180 (559) 497-2888

9332 Tech Center Dr. Ste. 100, Sacramento CA 95826

(916) 853-9293 CA ELAP No. 1180-S1

	Turnaround Time Request
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Self Help Enterprises - Emergency Services	Additional cc's:			PO#:	· · · · · · · · · · · · · · · · · · ·	E-mail*:	dan	@se	elfhelpen	terprises	s.org
Address*: 8445 W. Elowin Ct.	_{city*:} Visalia			Stat							
Project:	Project #:			Phase #	Task #	1					
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Sampler Name (Printed/Signature)*:	Merced C	_	Fresno Co	III	m Number*:		o	CP			
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Matrix Types: SW=Surface Water BW=Bottled Water G		aste Water STW	=Storm Water			ő	er	23			
# Sample Description*	S Date	ampieu	Matrix*	Comme	ents / Station Code / WTRAX		17.	7			
1 POU	3/21/2	,	DW			X	X				
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				Well Owner	Well Owner			Post-Drill Water	
	SHE	Greater Received	Claim Approved	Contracted with	Contracted with	Scheduled Drill	Drilling	Quality	
Project No	. Received Claim	Claim	for Mitigation	SHE	Driller	Date	Complete	Complete	Claim Complete
1 PID-15173	1/9/2023		5/13/2024						7/22/2025
2 PID-13793	9/19/2022	10/2/2024	2/10/2025						
3 PID-12723	9/20/2022	10/2/2024							
4 (Corley)									
5 PID-11066	5/2/2022	4/23/2025	5/9/2025						
6 <i>(Jacob)</i>									
7 PID-15224	8/27/2024	7/22/2025							
8									
9									
10									
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GROUNDWATER **QUALITY REPORT**

SPRING 2025



Prepared for







Prepared by











NEW Seasonal Reporting in 2025

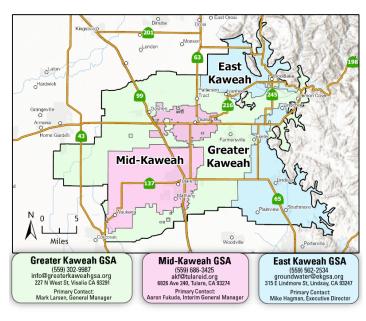
The three Kaweah Subbasin Groundwater Sustainability Agencies (GSAs) have expanded groundwater quality monitoring efforts in compliance with their 2024 Amended Groundwater Sustainability Plans (GSPs). Changes include seasonal (spring/fall) sampling of an expanded list of constituents of concern (COCs) at 71 representative monitoring sites screened at various depths across the Subbasin.

This Spring 2025 Groundwater Quality Report is intended to inform groundwater users of the Spring 2025 groundwater quality conditions in the Kaweah Subbasin.



The groundwater quality results presented herein reflect raw, untreated groundwater quality data collected through the Kaweah Subbasin's Representative Monitoring Program, which samples groundwater at the wellhead prior to any treatment. It's important to note that approximately 85% of drinking water users in the Subbasin receive treated water from regulated public water systems that must comply with strict water quality standards established by the U.S. Environmental Protection Agency and the California State Water Resources Control Board. These public water systems use treatment processes to ensure tap water meets all health standards before distribution.

While all drinking water may contain trace amounts of various substances, the presence of detectable contaminants in either raw or treated water does not necessarily indicate a health risk, as public water suppliers frequently monitor and treat their supplies to maintain compliance with all applicable health standards.



RECEIVE FUTURE GROUNDWATER QUALITY NOTIFICATIONS BY REGISTERING YOUR DOMESTIC WELL

The Groundwater Quality Report(s) are an interim measure until the Kaweah Subbasin's Well Registration Program's phase 1 of implementation is complete. The phase 1 completion date is contingent on the participation of domestic well owners in the Program. Following completion of phase 1, domestic well owners who registered their well via the Kaweah Subbasin's Well Registration Program and consent to email and/or text notifications will receive emailed notifications when a nearby groundwater quality representative monitoring site/well experiences an exceedance of a monitored constituent of concern.

The Kaweah Subbasin Well Registration Program is scheduled to roll out later this year— stay tuned!

The Kaweah Subbasin GSAs encourage all well owners to register their wells to receive groundwater quality notifications, support proactive impactavoidance measures, and reduce uncertainty in analyses that form decision making.

Contact your GSA for more information.

Terminology

Ag Suitability Standards: Criteria evaluating land's suitability for agricultural use, often based on soil quality, water availability, and other factors.

COC (Constituent of Concern): A contaminant or substance (e.g., nitrate, arsenic) that poses potential risks to water quality or human health.

GSA (Groundwater Sustainability Agency): Local agencies formed under SGMA to manage groundwater basins sustainably. **MCL (Maximum Contaminant Level)**: Legally enforceable limit for a contaminant in drinking water, set to protect public health (EPA/state-regulated).

Minimum Threshold: The lowest allowable groundwater level or quality standard set by a GSA to avoid undesirable results (e.g., subsidence, seawater intrusion).

SGMA (Sustainable Groundwater Management Act): California's 2014 law requiring sustainable groundwater management by GSAs. **SMCL (Secondary Maximum Contaminant Level)**: Non-enforceable water quality guidelines for aesthetics (taste, odor, color) rather than health risks.

Groundwater Quality under SGMA

The Kaweah Subbasin Groundwater Sustainability Agencies (GSAs) are responsible for ensuring local compliance with the Sustainable Groundwater Management Act (SGMA). The Kaweah Subbasin's monitoring network is designed to detect new

groundwater quality degradation resulting from groundwater management activities. However, an exceedance of a Maximum Contaminant Level (MCL), Secondary Maximum Contaminant Level (SMCL), or Agricultural Water Quality Objective does not inherently fall under SGMA's jurisdiction for mitigation. The degradation must have been caused by (GSA-approved) groundwater management activities after January 1, 2015, to be within the scope of SGMA.

Under SGMA, the GSAs' authority is limited to groundwater pumping and management activities occurring after January 1, 2015. Despite these limitations, the GSAs remain committed to transparency by notifying the public of water quality findings and sharing

data with agencies responsible for treatment, mitigation, or further study.

Most groundwater quality issues in the Kaweah Subbasin stem from 'legacy contamination' (pre-SGMA [pre-January 1, 2015]) sources or activities unrelated to groundwater management, such as:

- Agricultural practices: Diffuse leaching from past pesticide and fertilizer applications.
- Wastewater systems: Septic system discharges.
- Industrial activities: Legacy contamination from industrial operations.

Constituents of concern and their known sources identified in the Kaweah Subbasin are available on the following page.



ATTENTION

Due to SGMA's restricted

scope, the GSAs may be
unable to address certain
questions or
recommendations, such as
water billing rates, municipal
water conservation measures,
or mitigation for wells impacted
by pre-SGMA contamination
(unless worsened by post-2015
management). However,
Kaweah Subbasin GSA staff can
help direct inquiries to the
appropriate agencies or
organizations for further

assistance.

Source	Sources of Constituents of Concern in the Kaweah Subbasin										
1,2,3- Trichloropropane		by-product unknowingly ap n between 1950-1984	oplied with soil	Industrial clear	ning agent and de	greaser					
1,2-Dibromo-3- chloropropane	Use of soil fumigar	of soil fumigant (for the control of nematodes) prior to 1979									
Arsenic	Naturally occurring	Pumping, lowering of grollayers due to subsidence	Pumping, lowering of groundwater levels, and expelling of pore water from compacted clay layers due to subsidence								
Gross Alpha	Naturally occurring										
Hexavalent Chromium	Naturally occurring	Metal plating operations	Agriculture pract	ices							
Nitrate as N	Naturally occurring	Legacy loading from the fertilization of irrigated land	Animal waste (dairies) Septic return flows								
Perchlorate	Naturally occurring	Rocket propellant	Explosives, fireworks, road flares, matches	Airbag initiators	Electroplating operations	Disinfectants and herbicides					
Tetrachloroethylene	Dry cleaners	Metal degreasing	Various industrial facilities								
Uranium	Naturally occurring	Phosphate fertilizers	Assisted recharg	e of high-bicarb	onate water						
Chloride	Naturally occurring	Agricultural, municipal, an	nd industrial activiti	ies that lead to d	chloride salts build	lup					
Specific Conductivity	Naturally occurring	Agricultural, municipal, an	nd industrial activiti	ies that lead to o	dissolved salts bui	ldup					
Sulfate	Naturally occurring	Agricultural, municipal, an	nd industrial activiti	ies that lead to s	sulfate salts buildu	p					
Total Dissolved Solids	Naturally occurring	Agricultural, municipal, and industrial activities that lead to dissolved salts buildup	Septic return flow	ws							
рН	Naturally occurring	Fertilizers and chemicals used in farming	Septic return flow	ws							
Boron	Naturally occurring	Anthropogenic causes ne	ed further evaluati	on							
Sodium	Naturally occurring	Agricultural, municipal, an	nd industrial activiti	ies that lead to s	sodium buildup						

FREE AND AFFORDABLE GROUNDWATER QUALITY TESTING

Interested in knowing the raw groundwater quality at your specific domestic well? The Kaweah Water Foundation, Kings Water Alliance, and Tule Basin Water Foundation (TBWF, managing the Tule Basin Management Zone) offer resources for free nitrate testing of domestic wells in the Kaweah Subbasin. TBWF has been offering co-contaminant testing through SAFER since October 2023 and plans to have in-home treatment systems available in 2026.

Kaweah Water Foundation (KWF)

(559) 325-4463

 admin@kaweahwater.org https://kaweahwater.org/

PO Box 748, Visalia, CA 93279

Kings Water Alliance (KWA) (559) 549-6747

• info@kingswateralliance.org https://kingswateralliance.org/mzip/

P.O. Box 8259 • Fresno, CA 93747

UPCOMING

The Kaweah Water Foundation and Tule Basin Water Foundation were recently awarded a grant to test additional co-contaminants beyond nitrate, expected to roll out in 2026.

Tule Basin Water Foundation (TBWF)

(559) 429-6970

• <u>admin@tbwaterfoundation.org</u> https://tbwaterfoundation.org/contact/

324 S. Santa Fe St, Suite A • Visalia, CA 93292

If interested in sampling constituents beyond the list of constituents that the KWF or KWA offer free testing for, the following laboratories offer water testing. If you test your well and would like to contribute the results to the Kaweah Subbasin's research on groundwater quality across the Subbasin, please contact your respective GSA (contact information on Page 1).

Fruit Growers Laboratory, Inc.

(559) 734-9473

https://fglinc.com

9411 W Goshen Ave, Visalia, CA 93291

Dellavalle Laboratory, Inc. (559) 233-6129

https://dellavallelab.com

584 N Douty St, Hanford, CA 93230

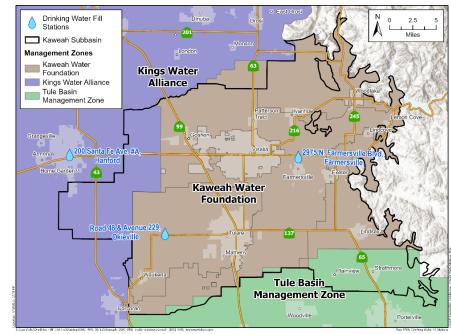
Note: for customers of public (city well systems, community water systems, state small water systems), please see your water provider's respective consumer confidence report(s) for a summary of the system's water quality (post-treatment).

KAWEAH SUBBASIN MITIGATION PROGRAM

Domestic well owners who have identified a groundwater quality concern through private well or other mechanisms of testing are encouraged to contact the Kaweah Subbasin's Mitigation Program partner, Self-Help Enterprises, directly if interested in pursuing a domestic well mitigation claim under the Kaweah Subbasin Mitigation Program. Mitigation support may be available to domestic wells impacted by groundwater management activities that occurred after January 1, 2015. Contact Self-Help Enterprises at (559) 802-1285 or via email at waterquality@selfhelpenterprises.org.

In addition to the Kaweah Subbasin Mitigation Program, access to emergency drinking water supplies are also available via the local Irrigated Lands Regulatory Program organizations in coordination with the Management Zones described above. For emergency access to free and safe drinking water, Kaweah Basin Water Quality Association and Kings River Water Quality Coalition operate drinking water kiosks within and immediately adjacent to the Kaweah Subbasin.

- Hanford at the transit station at 200 Santa Fe Ave.
 #A, Hanford, CA 93230
- Okieville on the corner of Road 48 & Avenue 229
- Farmersville at the Kaweah Delta Conservation District at 2975 N Farmersville Blvd, Farmersville, CA 93223



Groundwater Quality Monitoring Results

As of November 2024, the list of Constituents of Concern (COCs) in the Kaweah Subbasin includes those shown in the table here. Constituents were identified as being of concern if there was historically at least one exceedance of the water quality standard within the Subbasin, based on the best available data.

Not all COCs identified in the Kaweah Subbasin pose a health risk if consumed at levels above those listed in the table under 'Minimum Threshold/Groundwater Quality Standard'. The COCs that pose health risks are identified as a 'Primary MCL'. The COCs identified as a Secondary MCL and agriculturally-based standards are still identified as COCs as they may cause aesthetic (visual, scent, taste) risks or unsuitable for salt-sensitive crops.



Jacob Salinas (KWF) following collection of a groundwater quality sample at a Kaweah Subbasin representative monitoring site well (April 2025)

Constituent	Minimum Threshold/ Groundwater Quality Standard	MCL Units
Drinking Water Quality Standard	ls (Primary MCL)	
Nitrate as N	10	mg/L
1,2,3-Trichloropropane (1,2,3 TCP)	0.005	μg/L
Gross Alpha	15	pCi/L
Uranium	20	pCi/L
Arsenic	10	μg/L
1,2-Dibromo-3-chloropropane (DBCP)	0.2	μg/L
Perchlorate	6	μg/L
Tetrachloroethene (PCE)	5	μg/L
Chromium, Hexavalent (Cr6)	10	μg/L
Aesthetic (Non-Health Based) St	tandards (Secondary MC	L)
Total Dissolved Solids	1000	mg/L
Specific Conductivity	1600	umhos/cm
Chloride	500	mg/L
Sulfate	500	mg/L
рН	8.5	-
Agriculturally Based Standards	(Ag Suitability Standard	s)
Sodium	69	mg/L
Boron	0.7	mg/L



Primary MCL

Health-Based Standards



Secondary MCL

Aesthetics-Based Standards



Agricultural Suitability Standards

Agricultural Standards for Crop Sensitivity

IMPORTANT NOTE

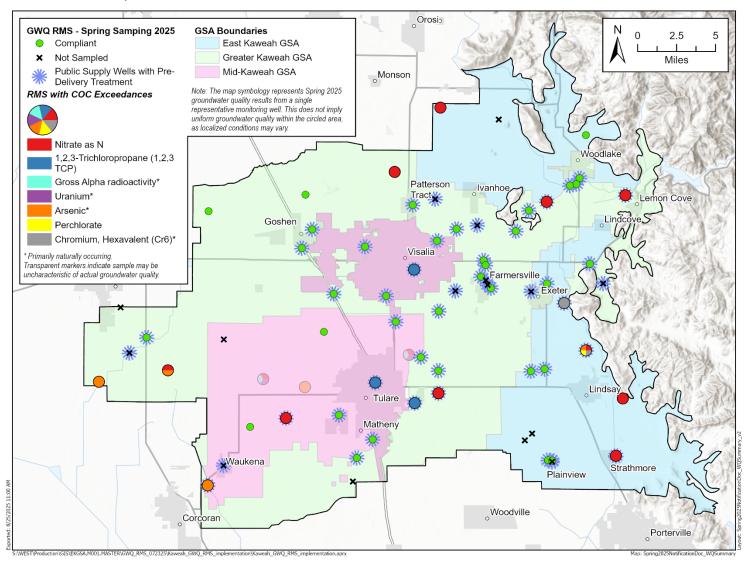
The groundwater quality results reported herein reflect the <u>raw</u> groundwater quality and not the treated water provided by public water systems.

Drinking Water Quality (Health-Based) Monitoring Results

Spring 2025 raw groundwater quality monitoring results for Health-Based COCs (Primary MCLs) are summarized in the map below.

Although most groundwater quality degradation in the Kaweah Subbasin is considered 'legacy contamination' (pre-SGMA), the Kaweah Subbasin Technical Team is in the process of evaluating if the degradation has worsened after January 1, 2015 and if the degradation was caused by (GSA-approved) groundwater management activities.

Several Representative Monitoring Site (RMS) wells were not sampled due to site access, well maintenance, or abandonment issues. The representative monitoring site locations at those marked as 'x' may change in the future. All changes will be reflected in future reports.



Note: The results reflect raw, untreated groundwater at the representative monitoring site at the time of sampling. All public water systems are required to treat exceedances of the health-based COCs prior to delivering to customers. If you own a domestic well near an identified exceedance, see the free and affordable groundwater quality testing resources above and information on the Kaweah Subbasin's Mitigation Program for assistance.

Drinking Water Quality (Health Based) Monitoring Results (Primary MCL)

				Kaweah Groundwater Quality Mo	nitoring Resul	ts at Designa	ated Repres	entative Monitoring Sites (Spring 202	5)		
								er Quality Standards (Primary MCL)			
DMC ID	004	Committee Field Note	Nitrate as N	1,2,3-Trichloropropane (1,2,3 TCP)	Gross Alpha	Uranium	Arsenic	1,2-Dibromo-3-chloropropane (DBCP)	Perchlorate	Tetrachloroethene (PCE)	Chromium, Hexavalent (Cr6)
RMS ID	GSA	Sampling Field Note	10	0.005	15	20	10	0.2	6	5	10
			(mg/L)	(µg/L)	(pCi/L)	(pCi/L)	(µg/L)	(μg/L)	(µg /L)	(µg/L)	(μg/L)
CA5400567_002_002	EKGSA	Sampled	8.6	Non-Detect	3.47	Non-Detect	1	Non-Detect	2.3	Non-Detect	11.4
CA5400647_003_003	EKGSA	Sampled	5.3	Non-Detect	1.05	1.45	1	Non-Detect	0.7	Non-Detect	0.2
CA5400682_001_001	EKGSA	Sampled	8.3	Non-Detect	0.90	1.13	3	Non-Detect	1.1	Non-Detect	3.3
CA5410006_014_014	EKGSA	Sampled	7.6	Non-Detect	5.03	2.97	3	0.02	1.5	Non-Detect	2.8
CA5410007_003_003	EKGSA	Not Sampled									
CA5410007_005_005	EKGSA	Sampled	14.5	Non-Detect	3.33	1.61	11	Non-Detect	10.8	Non-Detect	10.9
CA5410012_002_002	EKGSA	Sampled	15.3	Non-Detect	1.9	2.04	2	Non-Detect	3.7	Non-Detect	1.9
CA5410039_002_002	EKGSA	Not Sampled									
CA5410039_004_004	EKGSA	Sampled	3.5	Non-Detect	0.72	1.11	4	Non-Detect	0.4	Non-Detect	3.8
LID-5th NE	EKGSA	Not Sampled									
LID-5th SW	EKGSA	Not Sampled									
MG Well	EKGSA	Sampled	18	Non-Detect	7.11	5.24	2	Non-Detect	1.1	Non-Detect	1.4
S4-TUSK-KAW19	EKGSA	Not Sampled									
WCR2022-015193	EKGSA	Sampled	3	Non-Detect	1.54	1.94	5	Non-Detect	0.3	Non-Detect	0.7
WCR2022-15044	EKGSA	Sampled	17.8	Non-Detect	3.05	2.9	1	Non-Detect	Non-Detect	Non-Detect	0.6
18S23E07N001M	GKGSA	Sampled	8.4	Non-Detect	12	8.22	3	Non-Detect	Non-Detect	Non-Detect	Non-Detect
20S21E02J002M	GKGSA	Sampled	Non-Detect	Non-Detect	0.15	Non-Detect	16	Non-Detect	Non-Detect	Non-Detect	0.5
CA1600013_001_001	GKGSA	Not Sampled									
CA1600290_001_001	GKGSA	Sampled	6.3	Non-Detect	8.38	8.76	7	Non-Detect	Non-Detect	Non-Detect	Non-Detect
CA1610004_015_015	GKGSA	Sampled	Non-Detect	Non-Detect	13.2	Non-Detect	10	Non-Detect	Non-Detect	Non-Detect	0.4
CA5400519_001_001	GKGSA	Sampled	3.8	Non-Detect	12.9	14.8	5	Non-Detect	0.2	Non-Detect	1.1
CA5400616_001_001	GKGSA	Sampled	19	Non-Detect	0.61	2.38	1	Non-Detect	1.2	Non-Detect	Non-Detect
CA5400710_002_002	GKGSA	Not Sampled									
CA5400714_001_001	GKGSA	Sampled	4.5	Non-Detect	1.24	0.86	3	Non-Detect	0.1	Non-Detect	0.3
CA5400844_002_002	GKGSA	Not Sampled									
CA5400846_002_002	GKGSA	Not Sampled									
CA5400873_001_001	GKGSA	Not Sampled									
CA5402038_002_002	GKGSA	Sampled	5.6	Non-Detect	2.92	2.08	2	Non-Detect	0.5	Non-Detect	0.9
CA5403031_002_002	GKGSA	Sampled	6.2	Non-Detect	4.65	6.41	1	Non-Detect	0.7	Non-Detect	0.7
CA5403032_001_001	GKGSA	Sampled	4.3	Non-Detect	2.58	0.86	2	Non-Detect	0.3	Non-Detect	1.4
CA5403050_001_001	GKGSA	Sampled	1.5	Non-Detect	0.53	2.18	1	Non-Detect	0.2	Non-Detect	0.7
CA5403055_001_001	GKGSA	Sampled	15.8	Non-Detect	2.99	2.29	3	Non-Detect	0.9	Non-Detect	0.9
CA5403076_002_002	GKGSA	Sampled	18.7	Non-Detect	6.09	11.1	2	Non-Detect	1	Non-Detect	1.9
CA5403090_001_001	GKGSA	Sampled	8.6	Non-Detect	9.19*	10.9	Non-Detect	Non-Detect	0.6	Non-Detect	0.3
CA5403130_001_001	GKGSA	Sampled	2.2	Non-Detect	2.67	0.81	1	Non-Detect	Non-Detect	Non-Detect	Non-Detect

				Kaweah Groundwater Quality Mo	nitoring Resul	ts at Designa	ated Repres	entative Monitoring Sites (Spring 202	5)		
							Orinking Wate	r Quality Standards (Primary MCL)			
			Nitrate as N	1,2,3-Trichloropropane (1,2,3 TCP)	Gross Alpha	Uranium	Arsenic	1,2-Dibromo-3-chloropropane (DBCP)	Perchlorate	Tetrachloroethene (PCE)	Chromium, Hexavalent (Cr
RMS ID	GSA	Sampling Field Note	10	0.005	15	20	10	0.2	6	5	10
			(mg/L)	(μg/L)	(pCi/L)	(pCi/L)	(µg/L)	(µg/L)	(µg /L)	(µg/L)	(µg/L)
CA5403141_001_001	GKGSA	Sampled	1.4	Non-Detect	1.37	1.36	3	Non-Detect	0.7	Non-Detect	0.2
CA5410003_007_007	GKGSA	Not Sampled									
CA5410003_012_012	GKGSA	Sampled	5.3	Non-Detect	3.13	1.61	3	0.04	1.4	Non-Detect	1.8
CA5410004_001_001	GKGSA	Not Sampled									
CA5410004_004_004	GKGSA	Not Sampled									
CA5410004_005_005	GKGSA	Sampled	0.5	Non-Detect	1.09	Non-Detect	Non-Detect	Non-Detect	0.1	Non-Detect	0.6
CA5410004_007_007	GKGSA	Sampled	0.5	Non-Detect	0.92	Non-Detect	Non-Detect	Non-Detect	Non-Detect	Non-Detect	0.6
CA5410004_014_014	GKGSA	Sampled	Non-Detect	Non-Detect	0.97	Non-Detect	1	Non-Detect	Non-Detect	Non-Detect	0.1
CA5410006_015_015	GKGSA	Sampled	7.6	Non-Detect	4.3	4.73	2	Non-Detect	0.6	Non-Detect	3
CA5410015_069_069	GKGSA	Sampled	5.2	0.008	2.26	1.31	5	Non-Detect	0.2	Non-Detect	1.8
CA5410016_076_076	GKGSA	Sampled	6.5	Non-Detect	3.62	6.29	2	Non-Detect	0.4	Non-Detect	1.1
CA5410016_178_178	GKGSA	Sampled	0.8	Non-Detect	7.92	0.76	Non-Detect	Non-Detect	Non-Detect	Non-Detect	0.3
CA5410016_182_182	GKGSA	Sampled	0.5	Non-Detect	0.1	0.96	5	Non-Detect	Non-Detect	Non-Detect	1
CA5410020_004_004	GKGSA	Sampled	Non-Detect	Non-Detect	3.54	1.81	3	Non-Detect	Non-Detect	Non-Detect	Non-Detect
CA5410020_008_008	GKGSA	Sampled	5.4	Non-Detect	1.93	1.56	3	Non-Detect	0.2	Non-Detect	0.4
CA5410020_009_009	GKGSA	Sampled	5.5	Non-Detect	0.77	Non-Detect	4	Non-Detect	0.1	Non-Detect	0.5
S4-TUSK-KAW03	GKGSA	Sampled	13.6	Non-Detect	1.24	1.07	22	Non-Detect	1.4	Non-Detect	Non-Detect
S4-TUSK-KAW05	GKGSA	Not Sampled									
S4-TUSK-KAW07	GKGSA	Sampled	5.9	Non-Detect	4.19	2.73	3	Non-Detect	Non-Detect	Non-Detect	3.2
S4-TUSK-KAW12	GKGSA	Not Sampled									
S4-TUSK-KAW18	GKGSA	Sampled	18.3	Non-Detect	3.64	5.17	2	Non-Detect	0.6	Non-Detect	1.1
CA5400919_001_001	MKGSA	Sampled	14.2	Non-Detect	8	7.53	1	Non-Detect	1	Non-Detect	0.2
CA5402030_002_002	MKGSA	Not Sampled									
CA5410015_014_014	MKGSA	Sampled	Non-Detect	Non-Detect	1.44	Non-Detect	4	Non-Detect	Non-Detect	Non-Detect	Non-Detect
CA5410015_048_048	MKGSA	Sampled	5.5	0.021	3.91	3.21	1	Non-Detect	0.5	Non-Detect	1.3
CA5410015_065_065	MKGSA	Sampled	Non-Detect	Non-Detect	0.99	Non-Detect	3	Non-Detect	Non-Detect	Non-Detect	Non-Detect
CA5410016_058_058	MKGSA	Sampled	1.9	Non-Detect	0.82	0.77	1	Non-Detect	0.1	Non-Detect	0.3
CA5410016_060_060	MKGSA	Sampled	4.2	Non-Detect	5.03	4.25	Non-Detect	Non-Detect	0.4	Non-Detect	1
CA5410016_081_081	MKGSA	Sampled	3.3	Non-Detect	1.01	2.49	1	Non-Detect	0.4	Non-Detect	1.4
CA5410016_094_094	MKGSA	Sampled	2.4	0.024	2.84	1.36	1	Non-Detect	0.2	Non-Detect	1.2
CA5410016_166_166	MKGSA	Sampled									
KSB-1320d2	MKGSA	Sampled	3.4	Non-Detect	1.48	Non-Detect	14	Non-Detect	Non-Detect	Non-Detect	1.6
KSB-1408d2	MKGSA	Sampled	6.5	Non-Detect	0.26	1.3	2	Non-Detect	0.7	Non-Detect	0.78
MK-1 lower2	MKGSA	Sampled	Non-Detect	Non-Detect	0.37	Non-Detect	8	Non-Detect	Non-Detect	Non-Detect	0.04
MK-2 lower2	MKGSA	Not Sampled	2.1	Non-Detect	2.91	1.69	Non-Detect	Non-Detect	0.3	Non-Detect	0.9
OK-1 upper1	MKGSA	Sampled	13.3	Non-Detect	31	40	Non-Detect	Non-Detect	Non-Detect	Non-Detect	0.21
SW-1 upper	MKGSA	Sampled	55.6	Non-Detect	19.6	53.3	Non-Detect	Non-Detect	0.9	Non-Detect	1.1
CA5410007_005_005	EKGSA	Sampled	14.5	Non-Detect	3.33	1.61	11	Non-Detect	10.8	Non-Detect	10.9

Aesthetic-Based (Non-Health Based) Monitoring Results (Secondary MCL)

Kaweah Groundwater Quality Monitoring Results at Designated Representative Monitoring Sites (Spring 2025)									
				•	alth Based) Standard	s (Secondary MCL)			
RMS ID	GSA	Sampling Field	Total Dissolved Solids	Specific Conductivity	Chloride	Sulfate	рН		
		Note	1000	1600	500	500	8.5		
			(mg/L)	(umhos/cm)	(mg/L)	(mg/L)	(-)		
CA5400567_002_002	EKGSA	Sampled	1030	1530	400	47.2	8.1		
CA5400647_003_003	EKGSA	Sampled	320	621	51	27.9	8.5		
CA5400682_001_001	EKGSA	Sampled	190	383	22	8.8	8.2		
CA5410006_014_014	EKGSA	Sampled	860*	1500*	480	45	8.1		
CA5410007_003_003	EKGSA	Not Sampled							
CA5410007_005_005	EKGSA	Sampled	390	773	100	27.7	8.4		
CA5410012_002_002	EKGSA	Sampled	350	629	36	42.8	8.1		
CA5410039_002_002	EKGSA	Not Sampled							
CA5410039_004_004	EKGSA	Sampled	190	352	13	11.9	8.3		
LID-5th NE	EKGSA	Not Sampled							
LID-5th SW	EKGSA	Not Sampled							
MG Well	EKGSA	Sampled	580	920	26	175	8.1		
S4-TUSK-KAW19	EKGSA	Not Sampled							
WCR2022-015193	EKGSA	Sampled	380	580	16	51.7	8.3		
WCR2022-15044	EKGSA	Sampled	560	910	130	86.8	8.2		
18S23E07N001M	GKGSA	Sampled	1590	2510	630	191	7.9		
20S21E02J002M	GKGSA	Sampled	460	718	64	38.5	8.2		
CA1600013_001_001	GKGSA	Not Sampled							
CA1600290_001_001	GKGSA	Sampled	350	654	110	41.5	8		
CA1610004_015_015	GKGSA	Sampled	140	249	12	5.6	9.4		
CA5400519_001_001	GKGSA	Sampled	390	678	53	46.6	8.1		
CA5400616_001_001	GKGSA	Sampled	530	701	21	124	8		
CA5400710_002_002	GKGSA	Not Sampled							
CA5400714_001_001	GKGSA	Sampled	150	236	6	5.9	8.1		
CA5400844_002_002	GKGSA	Not Sampled							

Kaw	eah Groundwate	r Quality Monitoring	Results at Designa	ted Representative	Monitoring Sites (S	Spring 2025)	
				Aesthetic (Non-He	alth Based) Standard	s (Secondary MCL)	
RMS ID	GSA	Sampling Field Note	Total Dissolved Solids	Specific Conductivity	Chloride	Sulfate	рН
		Note	1000	1600	500	500	8.5
			(mg/L)	(umhos/cm)	(mg/L)	(mg/L)	(-)
CA5400846_002_002	GKGSA	Not Sampled					
CA5400873_001_001	GKGSA	Not Sampled					
CA5402038_002_002	GKGSA	Sampled	210	298	7	21.3	8
CA5403031_002_002	GKGSA	Sampled	210	355	12	27.1	8.2
CA5403032_001_001	GKGSA	Sampled	230	455	49	12.5	8.1
CA5403050_001_001	GKGSA	Sampled	130	179	6	7.4	8.1
CA5403055_001_001	GKGSA	Sampled	350	574	20	60.3	8
CA5403076_002_002	GKGSA	Sampled	390	580	21	20	8.2
CA5403090_001_001	GKGSA	Sampled	180	367	18	13	8
CA5403130_001_001	GKGSA	Sampled	160	232	13	25.2	7.9
CA5403141_001_001	GKGSA	Sampled	110	196	8	13	8.1
CA5410003_007_007	GKGSA	Not Sampled					
CA5410003_012_012	GKGSA	Sampled	310	523	68	24.3	8.1
CA5410004_001_001	GKGSA	Not Sampled					
CA5410004_004_004	GKGSA	Not Sampled					
CA5410004_005_005	GKGSA	Sampled	90	168	6	7.8	7.5
CA5410004_007_007	GKGSA	Sampled	80	157	4	8.2	7.9
CA5410004_014_014	GKGSA	Sampled	90	163	4	3.1	8.3
CA5410006_015_015	GKGSA	Sampled	2080	3010	810	50.2	8.1
CA5410015_069_069	GKGSA	Sampled	120	242	7	8.1	8.4
CA5410016_076_076	GKGSA	Sampled	210	310	16	17.3	
CA5410016_178_178	GKGSA	Sampled	120	176	3	3.8	
CA5410016_182_182	GKGSA	Sampled	120	192	8	6.8	
CA5410020_004_004	GKGSA	Sampled	190	364	5	2.9	8.4
CA5410020_008_008	GKGSA	Sampled	250	446	25	21.2	8
CA5410020_009_009	GKGSA	Sampled	270	384	16	23.8	8.1

Kaweah Groundwater Quality Monitoring Results at Designated Representative Monitoring Sites (Spring 2025)								
				Aesthetic (Non-Hea	alth Based) Standard	s (Secondary MCL)		
RMS ID	GSA	Sampling Field	Total Dissolved Solids	Specific Conductivity	Chloride	Sulfate	рН	
		Note	1000	1600	500	500	8.5	
			(mg/L)	(umhos/cm)	(mg/L)	(mg/L)	(-)	
S4-TUSK-KAW03	GKGSA	Sampled	250	365	38	31.8	7.6	
S4-TUSK-KAW05	GKGSA	Not Sampled						
S4-TUSK-KAW07	GKGSA	Sampled	240	330	18	14.8	8.2	
S4-TUSK-KAW12	GKGSA	Not Sampled						
S4-TUSK-KAW18	GKGSA	Sampled	450	657	26	30.1	8.3	
CA5400919_001_001	MKGSA	Sampled	260	438	29	28.2	7.9	
CA5402030_002_002	MKGSA	Not Sampled						
CA5410015_014_014	MKGSA	Sampled	180	321	22	7.6	9.1	
CA5410015_048_048	MKGSA	Sampled	140	255	8	15.3	8.1	
CA5410015_065_065	MKGSA	Sampled	250	420	45	18.6	9	
CA5410016_058_058	MKGSA	Sampled	90	156	4	6.5		
CA5410016_060_060	MKGSA	Sampled	160	243	8	15.5		
CA5410016_081_081	MKGSA	Sampled	150	233	6	11.5		
CA5410016_094_094	MKGSA	Sampled	130	191	6	8.6		
CA5410016_166_166	MKGSA	Sampled	150	203	10	7.5		
KSB-1320d2	MKGSA	Sampled	130	209				
KSB-1408d2	MKGSA	Sampled	170	275	17	42.3	8.8	
MK-1 lower2	MKGSA	Sampled	240	409	45	3.9	8.3	
MK-2 lower2	MKGSA	Not Sampled						
OK-1 upper1	MKGSA	Sampled	400	600	16	30.1	7.9	
SW-1 upper	MKGSA	Sampled	1260	1430	110	40.7	7.8	
CA5410007_005_005	EKGSA	Sampled	390	773	100	27.7	8.4	

Light Grey Dark Grey

Unconfirmed if sample is characteristic of groundwater quality at the time of sampling (resample needed)

Sample is not characteristic of groundwater quality at the time of sampling due to sampling error

Agriculturally Based (Non-Health Based) Monitoring Results

Kaweah Groundwater Quality Monitoring Results at Designated Representative Monitoring Sites (Spring 2025)									
				ased Standards ty Standards)					
RMS ID	GSA	Sampling Field	Sodium	Boron					
		Note	69	0.7					
			(mg/L)	(mg/L)					
CA5400567_002_002	EKGSA	Sampled	184	0.17					
CA5400647_003_003	EKGSA	Sampled	56	0.06					
CA5400682_001_001	EKGSA	Sampled	45	0.05					
CA5410006_014_014	EKGSA	Sampled	163	0.23					
CA5410007_003_003	EKGSA	Not Sampled							
CA5410007_005_005	EKGSA	Sampled	89	0.14					
CA5410012_002_002	EKGSA	Sampled	53	0.1					
CA5410039_002_002	EKGSA	Not Sampled							
CA5410039_004_004	EKGSA	Sampled	46	0.06					
LID-5th NE	EKGSA	Not Sampled							
LID-5th SW	EKGSA	Not Sampled							
MG Well	EKGSA	Sampled	62	0.1					
S4-TUSK-KAW19	EKGSA	Not Sampled							
WCR2022-015193	EKGSA	Sampled	48	Non-Detect					
WCR2022-15044	EKGSA	Sampled	142	Non-Detect					
18S23E07N001M	GKGSA	Sampled	333	0.12					
20S21E02J002M	GKGSA	Sampled	163	0.5					
CA1600013_001_001	GKGSA	Not Sampled							
CA1600290_001_001	GKGSA	Sampled	80	0.05					
CA1610004_015_015	GKGSA	Sampled	50	0.29					
CA5400519_001_001	GKGSA	Sampled	107	0.27					
CA5400616_001_001	GKGSA	Sampled	39	0.07					
CA5400710_002_002	GKGSA	Not Sampled							
CA5400714_001_001	GKGSA	Sampled	16	0.02					
CA5400844_002_002	GKGSA	Not Sampled							

Kaweah Groundy	vater Quality Moni	toring Results at Desig	nated Representative Monitor	ring Sites (Spring 2025)
				Based Standards ty Standards)
RMS ID	GSA	Sampling Field	Sodium	Boron
-		Note	69	0.7
			(mg/L)	(mg/L)
CA5400846_002_002	GKGSA	Not Sampled		
CA5400873_001_001	GKGSA	Not Sampled		
CA5402038_002_002	GKGSA	Sampled	21	0.02
CA5403031_002_002	GKGSA	Sampled	10	Non-Detect
CA5403032_001_001	GKGSA	Sampled	37	Non-Detect
CA5403050_001_001	GKGSA	Sampled	15	0.02
CA5403055_001_001	GKGSA	Sampled	20	Non-Detect
CA5403076_002_002	GKGSA	Sampled	19	Non-Detect
CA5403090_001_001	GKGSA	Sampled	44	0.04
CA5403130_001_001	GKGSA	Sampled	12	0.02
CA5403141_001_001	GKGSA	Sampled	13	0.04
CA5410003_007_007	GKGSA	Not Sampled		
CA5410003_012_012	GKGSA	Sampled	66	0.1
CA5410004_001_001	GKGSA	Not Sampled		
CA5410004_004_004	GKGSA	Not Sampled		
CA5410004_005_005	GKGSA	Sampled	11	0.02
CA5410004_007_007	GKGSA	Sampled	10	0.02
CA5410004_014_014	GKGSA	Sampled	14	Non-Detect
CA5410006_015_015	GKGSA	Sampled	227	0.21
CA5410015_069_069	GKGSA	Sampled	39	Non-Detect
CA5410016_076_076	GKGSA	Sampled	35	0.02
CA5410016_178_178	GKGSA	Sampled	6	0.02
CA5410016_182_182	GKGSA	Sampled	31	0.04
CA5410020_004_004	GKGSA	Sampled	16	Non-Detect
CA5410020_008_008	GKGSA	Sampled	27	Non-Detect
CA5410020_009_009	GKGSA	Sampled	22	Non-Detect

Kaweah Groundwater Quality Monitoring Results at Designated Representative Monitoring Sites (Spring 2025)									
				Based Standards ty Standards)					
RMS ID	GSA	Sampling Field	Sodium	Boron					
		Note	69	0.7					
			(mg/L)	(mg/L)					
S4-TUSK-KAW03	GKGSA	Sampled	56	0.03					
S4-TUSK-KAW05	GKGSA	Not Sampled							
S4-TUSK-KAW07	GKGSA	Sampled	38	0.04					
S4-TUSK-KAW12	GKGSA	Not Sampled							
S4-TUSK-KAW18	GKGSA	Sampled	34	0.04					
CA5400919_001_001	MKGSA	Sampled	61	0.03					
CA5402030_002_002	MKGSA	Not Sampled							
CA5410015_014_014	MKGSA	Sampled	69	0.8					
CA5410015_048_048	MKGSA	Sampled	30	Non-Detect					
CA5410015_065_065	MKGSA	Sampled	91	0.8					
CA5410016_058_058	MKGSA	Sampled	6	0.01					
CA5410016_060_060	MKGSA	Sampled	14	0.02					
CA5410016_081_081	MKGSA	Sampled	18	0.02					
CA5410016_094_094	MKGSA	Sampled	17	0.02					
CA5410016_166_166	MKGSA	Sampled	14	0.02					
KSB-1320d2	MKGSA	Sampled	40	0.05					
KSB-1408d2	MKGSA	Sampled	39	Non-Detect					
MK-1 lower2	MKGSA	Sampled	90	0.8					
MK-2 lower2	MKGSA	Not Sampled							
OK-1 upper1	MKGSA	Sampled	40	0.02					
SW-1 upper	MKGSA	Sampled	26	0.03					
CA5410007_005_005	EKGSA	Sampled	89	0.14					

Light Grey Dark Grey Unconfirmed if sample is characteristic of groundwater quality at the time of sampling (resample needed)
Sample is not characteristic of groundwater quality at the time of sampling due to sampling error

Frequently Asked Questions

Why are there new monitoring requirements in the Kaweah Subbasin?

The new monitoring requirements in the Kaweah Subbasin are in response to deficiencies identified by the State Water Resources Control Board's (SWRCB) review of the initial 2020 and subsequent 1st Amended GSPs in the Kaweah Subbasin. The SWRCB recommendations included expanding the list of COCs, increasing monitoring of all identified COCs, and notifying the public when exceedances occur.

Where can I find more information about the Kaweah Subbasin's groundwater quality monitoring?

More information on the Kaweah Subbasin's groundwater quality monitoring can be found in Chapter 4, Section 4.1 and Section 4.6 of the 2024 2nd Amended GSPs. Links to access the 2024 2nd Amended GSPs are available on each GSA's website:

ekgsa.org

greaterkaweahgsa.org

midkaweah.org

Who pays for the representative monitoring program implementation costs?

Monitoring costs, including sampling, laboratory results, and interpretation of laboratory results by the GSA's respective technical teams are paid for by the GSAs. The GSAs appreciate opportunities for cost and resource sharing with public suppliers that see a mutual benefit from this increased sampling (or in instances in which their existing sampling cycle overlaps the GSAs). One way to reduce costs is for public suppliers with staff in-house who routinely perform groundwater quality sampling to perform the sampling for the GSAs. Please contact your GSA to discuss opportunities for resources and cost sharing, as well as monitoring coordination. GSA contact information is available on page 1.

How are the groundwater quality representative monitoring results used by the GSAs?

Groundwater quality results at RMS wells are used in analyses to identify if there is groundwater quality degradation within the scope of SGMA occurring within the Subbasin, and if so, to inform corrective and mitigative actions to be taken. The monitoring results become public through reporting to the Department of Water Resources in Annual Reports submitted to the state's publicly accessible SGMA Portal by April 1 every year, as well as by notifications to landowners via seasonal reports (such as this report), or the direct landowner notification planned for implementation following completion of Phase 1 of the Well Registration Program (after sufficient domestic well owner participation in the Well Registration Program has been achieved).



TASK ORDER 16 AMENDMENT

CONTRACT: Groundwater Sustainability Plan Implementation Support

CONSULTANT: Montgomery & Associates

TASK ORDER NUMBER: 16

TASK ORDER DESCRIPTION: Groundwater Accounting Framework – Amendment #1

DATE: August 27, 2025

Montgomery & Associates (M&A) is submitting Amendment #1 to the Groundwater Accounting Framework (GAF) Task Order 16 for additional work to develop the technical basis for a GAF agreement between GSAs. The original Task Order covered work through June 2025 and included the following accomplishments:

- Evaluating the development process of the GAF pumping volumes from the model future water budgets
- Updating the GAF annual sustainable pumping volumes apportioned to each GSA
- Providing a recommended starting point for the GAF agreement
- Hosting meetings and facilitating GAF discussions to move toward a formal GAF agreement
- Developing an agricultural pumping formula that could be used by the GSAs to estimate annual agricultural pumping and reconcile pumping volumes and possible financial terms of the GAF agreement
- Providing relevant GAF documents and spreadsheet workbooks for review by the GSAs

Amendment #1 includes work to be completed from July 2025 through March 2026; the scope of work is provided below. The technical basis for the GAF will rely on data provided by the GSAs and results from the updated 2025 Kaweah Subbasin groundwater model.

SCOPE OF WORK

This amendment covers the following 4 tasks:



- 1. Develop a surface water routing and accounting framework, including coordination with the GSA teams and 1 in-person meeting in the Tulare area
- 2. Refine GAF process and update the GAF numbers using the 2025 model
- 3. Prepare a technical memorandum summarizing GAF development
- 4. Manage the tasks including leading meetings, preparing invoices, and providing technical support as requested by the GSAs, including assistance on developing a formal GAF agreement

BUDGET AND SCHEDULE

Table 1 provides estimated tasks budgets.

Table 1. Estimated Task Budgets to Complete GAF

Task	Activities	Assumptions	Estimated Cost
Surface Water Supply Routing	 Extend surface water budget work Present and confirm with GSAs at 1 in-person meeting 	GSAs will provide requested information	\$20,000
2. Update GAF numbers	 Refine water budget to GAF process Update and provide GAF workbooks for review Update GAF numbers based on 2025 model 	GSAs will provide feedback on GAF process	\$25,000
3. Prepare GAF Tech Memo	Prepare draft technical memorandum Prepare final technical memorandum based on GSA comments		\$45,000
4. PM & tech support	 Invoices and project coordination Host core team meetings Provide requested technical support 	5 core team meetings	\$50,000
		Total	\$140,000

The total estimated cost for Amendment #1 to Task Order 16 is \$140,000.



Figure 1 shows the anticipated schedule.

	2025			2026			
Task	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Surface water supply routing							
2. Update GAF numbers							
3. Prepare GAF tech memo						Draft 2/27	Final 3/31
4. PM & tech support	•		•		•	*	•
GAF Agreement (GSAs)	Develop legal & financial principles		Draft agreement by end of 2025		Final agreement by end of Mar 2026		

Figure 1. Anticipated Schedule for Completing GAF

The additional GAF work will occur between July 2025 through March 2026 and in conjunction with the 2025 groundwater model update.

M&A will not invoice beyond the estimated budget without prior approval from MKGSA. This Task Order will be billed in accordance with M&A's most recent fee and rate schedule. M&A will only invoice MKGSA for actual work completed on a time and materials basis. Invoices will be sent monthly to MKGSA and will reference the appropriate Task Order Number.



Authorization

This Amendment #1 to Task Order 16 has been executed under the referenced Master Services Agreement between the Mid-Kaweah GSA and Montgomery & Associates. By signing below, the parties agree to all terms and conditions of this Task Order and the Master Services Agreement.

CONSULTANT:	Errol L. Montgomery & Associates, Inc.	CLIENT:	Mid-Kaweah Groundwater Sustainability Agency
Signature:		Signature:	
Printed Name:	Timothy P. Leo, P.G., C.Hg.	Printed Name:	Aaron Fukuda
Date:		Date:	
Address:	1550 E. Prince Rd Tucson, AZ 85719	Address:	6826 Avenue 240 Tulare, CA 93274
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