East Kaweah GSA
Greater Kaweah GSA
Mid-Kaweah GSA

Kaweah Subbasin
Groundwater Sustainability Agencies

GROUNDWATER QUALITY REPORT

Fall 2025

Prepared for

EAST KAWEAH GROUNDWATER SUSTAINABILITY AGENCY

GREATER KAWEAH GROUNDWATER SUSTAINABILITY AGENCY

MID-KAWEAH GSA

Prepared by

INTERA

MONTGOMERY & ASSOCIATES

PROVOST&PRITCHARD CONSULTING GROUP

Thomas Harder & Co. Groundwater Consulting

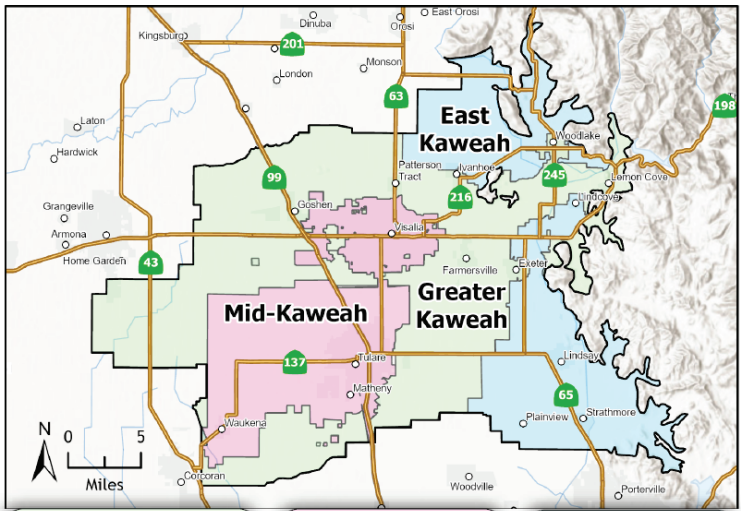
4CREEKS

NEW Seasonal Reporting Starting 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 77 representative monitoring sites screened at various depths across the Subbasin.

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

The groundwater quality results presented herein reflect 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 (SWRCB) Division of Drinking Water. These public water systems use treatment processes to ensure tap water meets health standards before distribution. While all drinking water may contain trace amounts of various substances, the presence of detectable contaminants in either untreated 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.



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(559) 686-3425
akf@tulareid.org
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Primary Contact:
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315 E Lindmore St, Lindsay, CA 93247
Primary Contact:
Michael Hagman, Executive Director

REGISTER YOUR WELL TO RECEIVE FUTURE GROUNDWATER QUALITY NOTIFICATIONS

Seasonal Groundwater Quality Reports are an interim measure until enough domestic wells are registered across the Subbasin. Once sufficient participation is reached, notifications will expand to direct email or text alerts to registered well owners when nearby untreated groundwater quality is not in compliance with drinking water standards.

Why Register Your Well?

By registering, you will:

- Receive direct notifications regarding local groundwater quality.
- Support proactive measures to avoid potential impacts.
- Improve the data used for critical water management decisions.

Register your well today

via the QR code and link below or contact your GSA for more information.

https://bit.ly/4ke3EEl

Terminology

Agricultural (Ag) Suitability Standards: Criteria evaluating land's suitability for agricultural use, often based on soil quality, water availability, and other factors.
Constituent of Concern (COC): A contaminant, physical parameter, or substance (e.g., nitrate or arsenic) that can pose a risk to water quality or human health if present at elevated concentrations.
Groundwater Sustainability Agency (GSA): Local agencies formed under SGMA to manage groundwater basins sustainably.
Maximum Contaminant Level (MCL): Legally enforceable limit for a contaminant in drinking water, set to protect public health (federal Environmental Protection Agency and state regulated).
Minimum Threshold: Under SGMA, the lowest acceptable groundwater condition set for sustainability indicators (such as groundwater levels, groundwater quality, or subsidence) at representative monitoring sites. If conditions fall below this level subbasin-wide, it signals risk and may require further action by the GSAs or other responsible agency.
Sustainable Groundwater Management Act SGMA (SGMA): California's 2014 law requiring sustainable groundwater management by GSAs.
Secondary Maximum Contaminant Level (SMCL): Non-enforceable (federal) or partially enforceable (state) guideline for drinking water quality related to aesthetic factors such as taste, odor, or color rather than health impacts.

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 Suitability Standards 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:** Contamination from industrial operations.

Constituents of concern and their potential 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**.

Potential Sources of Constituents of Concern in the Kaweah Subbasin

1,2,3-Trichloropropane	Undisclosed waste by-product unknowingly applied with soil fumigant application between 1950-1984			Industrial cleaning agent and degreaser		
1,2-Dibromo-3-chloropropane	Use of soil fumigant (for the control of nematodes) prior to 1979					
Arsenic	Naturally occurring	Pumping, lowering of groundwater levels, and expelling of pore water from compacted clay layers due to subsidence				
Gross Alpha	Naturally occurring radionuclides					
Hexavalent Chromium	Naturally occurring	Metal plating operations	Agriculture practices			
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	Recharge of high-bicarbonate water			
Chloride	Naturally occurring	Agricultural, municipal, and industrial activities that lead to chloride salts buildup				
Specific Conductivity	Naturally occurring	Agricultural, municipal, and industrial activities that lead to dissolved salts buildup				
Sulfate	Naturally occurring	Agricultural, municipal, and industrial activities that lead to sulfate salts buildup				
Total Dissolved Solids	Naturally occurring	Agricultural, municipal, and industrial activities that lead to dissolved salts buildup	Septic return flows			
pH	Naturally occurring	Fertilizers and chemicals used in farming	Septic return flows			
Boron	Naturally occurring	Anthropogenic causes need further evaluation				
Sodium	Naturally occurring	Agricultural, municipal, and industrial activities that lead to sodium buildup				

FREE AND AFFORDABLE GROUNDWATER QUALITY TESTING

Interested in knowing the untreated groundwater quality at your specific domestic well? The following Management Zones: Kaweah Water Foundation, Kings Water Alliance, and Tule Basin Water Foundation (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 California's Safe and Affordable Funding for Equity and Resilience (SAFER) Program since October 2023 and plans to have in-home treatment systems available soon.

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 the next year or so.

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

Tule Basin Water Foundation (TBWF)
(559) 429-6970
admin@tbwaterfoundation.org
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 19).

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

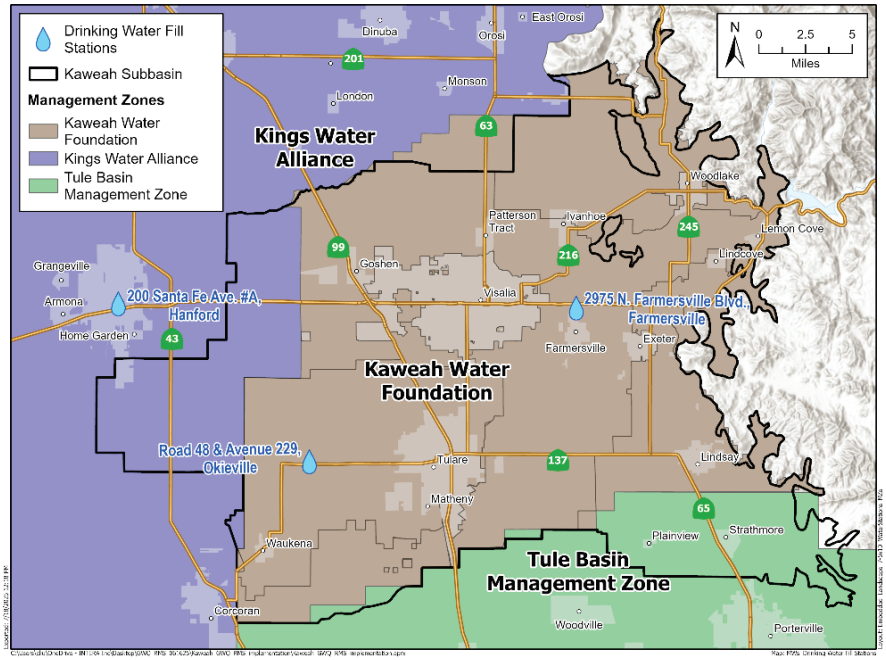
Note: for customers of public (city well systems, community water systems, state small water systems), please see your water provider's respective consumer confidence report(s) for a summary of the system's water quality (post-treatment).

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 for 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 Mitigation Program, emergency drinking water is available through local Irrigated Lands Regulatory Program (ILRP) organizations in coordination with the Management Zones. Residents may contact their local Management Zone representative for assistance (see contact information above). Free public drinking water kiosks are also operated by the Kaweah Basin Water Quality Association and the Kings River Water Quality Coalition at the following location:

- **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 to the right. Constituents were identified as being of concern if there was 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 those having a 'Primary MCL'. The COCs having a Secondary MCL and/or agriculturally-based standards do not pose health risks but may cause aesthetic (visual, scent, taste) issues or render water unsuitable for salt-sensitive crops.

Constituent	Minimum Threshold/ Groundwater Quality Standard	MCL Units
Drinking Water Quality Standards (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) Standards (Secondary MCL)		
Total Dissolved Solids	1000	mg/L
Specific Conductivity	1600	umhos/cm
Chloride	500	mg/L
Sulfate	500	mg/L
pH	8.5	-
Agriculturally Based Standards (Ag Suitability Standards)		
Sodium	69	mg/L
Boron	0.7	mg/L

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

Primary MCL
Health-Based Standards

Secondary MCL
Aesthetics-Based Standards

Agricultural Suitability Standards
Agricultural Standards for Crop Sensitivity

IMPORTANT NOTE

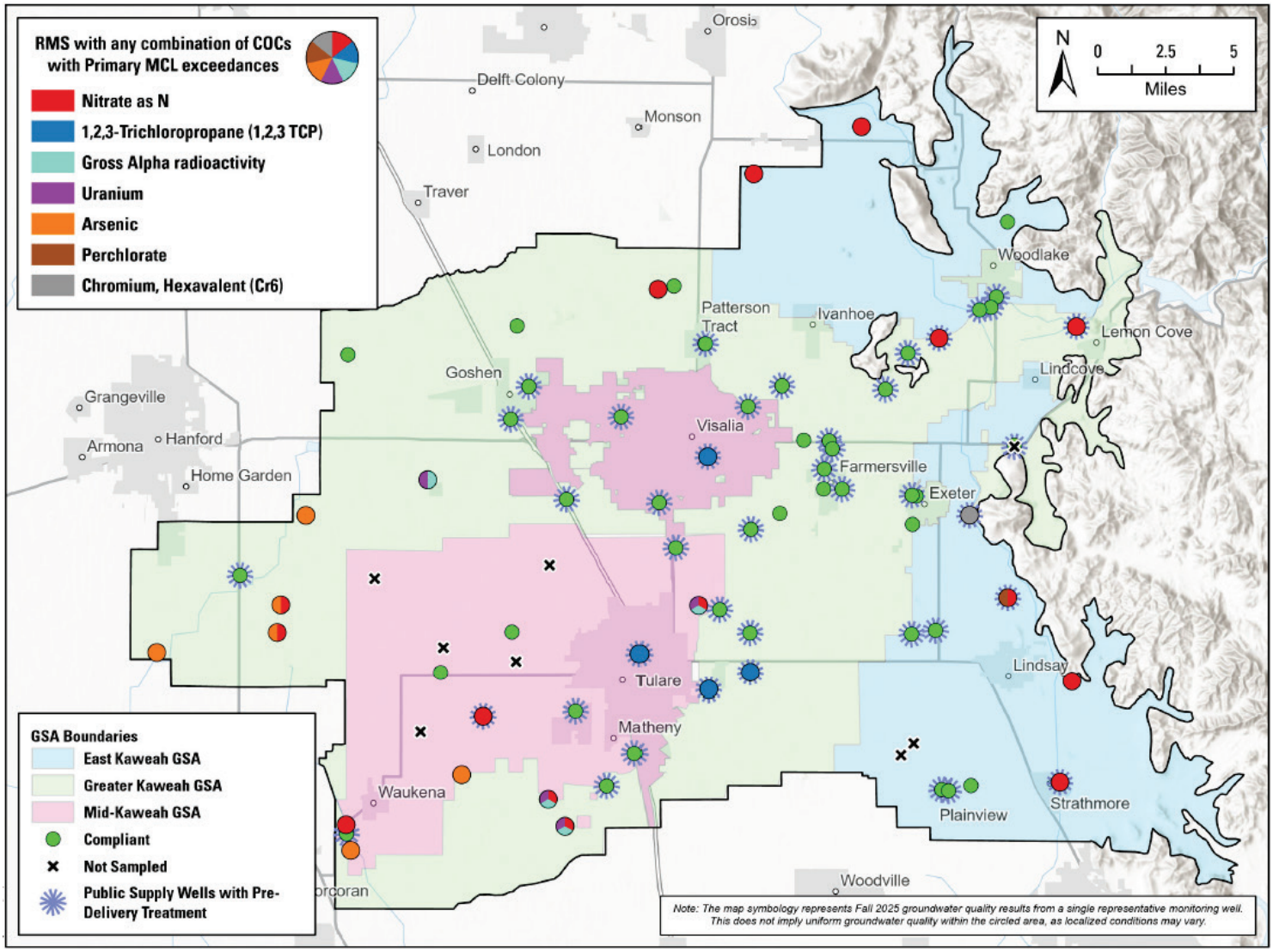
The groundwater quality results reported herein reflect the untreated groundwater quality and not the treated water provided by public water systems for human consumption.

Drinking Water Quality (Health-Based) Monitoring Results

Fall 2025 untreated 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 GSAs in collaboration with 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 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 Monitoring Results at Designated Representative Monitoring Sites (Fall 2025)

RMS ID	GSA	Sampling Field Note	Drinking Water 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 (Cr6)
			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)
16S26E31_DOM001	EKGSA	Sampled	22.6	Non-Detect	5.9	3.45	1	Non-Detect	2.6	Non-Detect	0.3
20S26E36_AG002	EKGSA	Sampled	8	Non-Detect	8.67	2.65	2	Non-Detect	2.1	Non-Detect	2.7
CA5400567_002_002	EKGSA	Sampled	8.8	Non-Detect	4.64	Non-Detect	2	Non-Detect	2.5	Non-Detect	11.3
CA5400647_003_003	EKGSA	Not Sampled	--	--	--	--	--	--	--	--	--
CA5400682_001_001	EKGSA	Sampled	7.9	Non-Detect	2.49	0.981	3	Non-Detect	1	Non-Detect	3.6
CA5410006_014_014	EKGSA	Sampled	7.6	Non-Detect	6.04	2.33	3	0.02	1.9	Non-Detect	3.2
CA5410007_005_005	EKGSA	Sampled	14.4	Non-Detect	4.1	1.21	10	Non-Detect	10.8	Non-Detect	8.4
CA5410012_002_002	EKGSA	Sampled	14.6	Non-Detect	5.81	2.01	2	Non-Detect	3.5	Non-Detect	1.8
CA5410039_004_004	EKGSA	Sampled	3.6	Non-Detect	3.62	1.05	3	Non-Detect	0.7	Non-Detect	3.4
LID-5th NE	EKGSA	Not Sampled	--	--	--	--	--	--	--	--	--
LID-5th SW	EKGSA	Not Sampled	--	--	--	--	--	--	--	--	--
MG Well	EKGSA	Sampled	21.9	Non-Detect	5.42	3.6	3	Non-Detect	1	Non-Detect	2.4
WCR2022-015193	EKGSA	Sampled	2.9	Non-Detect	5.02	1.74	4	Non-Detect	Non-Detect	Non-Detect	0.7
WCR2022-15044	EKGSA	Sampled	16.3	Non-Detect	3.66	3.04	2	Non-Detect	Non-Detect	Non-Detect	0.5
CA5400647_001_001	EKGSA	Sampled	9	Non-Detect	9.05	6.13	2	Non-Detect	0.5	Non-Detect	1.3
18S23E07N001M	GKGSA	Sampled	8	Non-Detect	*12.9	9.02	3	Non-Detect	Non-Detect	Non-Detect	Non-Detect
19S22E11_AG001	GKGSA	Sampled	Non-Detect	Non-Detect	9.12	Non-Detect	29	Non-Detect	Non-Detect	Non-Detect	Non-Detect
19S22E34_DOM005	GKGSA	Sampled	15.7	Non-Detect	8.92	7.18	37	Non-Detect	Non-Detect	Non-Detect	Non-Detect
19S23E04_DOM004	GKGSA	Sampled	7.9	Non-Detect	29.9	21.4	Non-Detect	Non-Detect	Non-Detect	Non-Detect	Non-Detect
20S21E02J002M	GKGSA	Sampled	Non-Detect	Non-Detect	1.93	Non-Detect	12	Non-Detect	Non-Detect	Non-Detect	Non-Detect
20S23E35_DOM003	GKGSA	Sampled	*7.8	Non-Detect	11.7	8.01	12	Non-Detect	Non-Detect	Non-Detect	0.1
21S24E05_DOM007	GKGSA	Sampled	10.6	Non-Detect	21.8	21.5	3	Non-Detect	0.7	Non-Detect	1.4
21S24E09_DOM006	GKGSA	Sampled	11.1	Non-Detect	120	96.3	2	Non-Detect	Non-Detect	Non-Detect	0.6
CA1600290_001_001	GKGSA	Sampled	5.5	Non-Detect	11.5	8.23	6	Non-Detect	Non-Detect	Non-Detect	Non-Detect
CA1610004_015_015	GKGSA	Sampled	Non-Detect	Non-Detect	12	Non-Detect	12	Non-Detect	Non-Detect	Non-Detect	Non-Detect
CA5400519_001_001	GKGSA	Sampled	3	Non-Detect	11.1	8.91	6	Non-Detect	Non-Detect	Non-Detect	1
CA5400616_001_001	GKGSA	Sampled	16.4	Non-Detect	3.43	2.3	1	Non-Detect	1.5	Non-Detect	Non-Detect
CA5400714_001_001	GKGSA	Sampled	5.5	Non-Detect	3.04	0.998	2	Non-Detect	Non-Detect	Non-Detect	0.3
CA5400819_002_002	GKGSA	Sampled	3.5	Non-Detect	4.05	2.29	Non-Detect	Non-Detect	Non-Detect	Non-Detect	0.4
CA5400903_001_001	GKGSA	Sampled	2.1	Non-Detect	2.53	1.99	Non-Detect	Non-Detect	Non-Detect	Non-Detect	0.6
CA5402038_001_001	GKGSA	Sampled	2.8	Non-Detect	0.52	0.72	2	Non-Detect	0.3	Non-Detect	0.9
CA5402038_002_002	GKGSA	Sampled	5	Non-Detect	4.92	1.74	2	Non-Detect	0.6	Non-Detect	0.9
CA5403031_002_002	GKGSA	Sampled	6.5	Non-Detect	9.44	6.6	1	Non-Detect	0.6	Non-Detect	0.6
CA5403032_001_001	GKGSA	Sampled	5.7	Non-Detect	1.42	0.866	2	Non-Detect	0.9	Non-Detect	1.3

Dark Grey Sample is not characteristic of groundwater quality at the time of sampling due to sampling or laboratory error

*Initial exceedance considered anomalous; confirmation sample below Primary MCL reported

Kaweah Groundwater Quality Monitoring Results at Designated Representative Monitoring Sites (Fall 2025)											
RMS ID	GSA	Sampling Field Note	Drinking Water 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 (Cr6)
			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)
CA5403050_001_001	GKGSA	Sampled	1.6	Non-Detect	1.89	0.773	4	Non-Detect	0.7	Non-Detect	0.3
CA5403055_001_001	GKGSA	Sampled	11	Non-Detect	2.69	1.68	3	Non-Detect	0.2	Non-Detect	0.7
CA5403076_002_002	GKGSA	Sampled	9.3	0.006	7.82	4.9	2	Non-Detect	0.7	Non-Detect	1.3
CA5403090_001_001	GKGSA	Sampled	7.8	Non-Detect	11.9	8.38	Non-Detect	Non-Detect	0.8	Non-Detect	0.3
CA5403130_001_001	GKGSA	Sampled	2	Non-Detect	5.6	0.802	Non-Detect	Non-Detect	Non-Detect	Non-Detect	Non-Detect
CA5403141_001_001	GKGSA	Sampled	1.3	Non-Detect	2.04	1.23	1	Non-Detect	0.6	Non-Detect	0.3
CA5410003_004_004	GKGSA	Sampled	5.9	Non-Detect	10.6	4.85	1	0.04	1.2	Non-Detect	1.4
CA5410003_007_007	GKGSA	Sampled	4.9	Non-Detect	5.75	2.57	1	0.01	0.8	Non-Detect	1.2
CA5410003_014_014	GKGSA	Sampled	3.9	Non-Detect	7.72	3.68	1	Non-Detect	1.5	Non-Detect	1.8
CA5410004_005_005	GKGSA	Sampled	0.8	Non-Detect	0.209	Non-Detect	1	Non-Detect	Non-Detect	Non-Detect	0.3
CA5410004_006_006	GKGSA	Sampled	0.9	Non-Detect	1.9	Non-Detect	Non-Detect	Non-Detect	Non-Detect	Non-Detect	0.4
CA5410004_007_007	GKGSA	Sampled	0.6	Non-Detect	1.53	Non-Detect	Non-Detect	Non-Detect	Non-Detect	Non-Detect	0.4
CA5410004_014_014	GKGSA	Sampled	0.5	Non-Detect	3.16	Non-Detect	Non-Detect	Non-Detect	Non-Detect	Non-Detect	0.3
CA5410006_015_015	GKGSA	Sampled	7.5	Non-Detect	7.77	4.31	2	Non-Detect	0.5	Non-Detect	1.7
CA5410015_069_069	GKGSA	Sampled	4.7	0.007	2.15	1.12	4	Non-Detect	Non-Detect	Non-Detect	1.7
CA5410016_076_076	GKGSA	Sampled	6.1	Non-Detect	8.54	9	0.001	Non-Detect	0.5	Non-Detect	1.1
CA5410016_178_178	GKGSA	Sampled	0.8	Non-Detect	2.88	Non-Detect	Non-Detect	Non-Detect	Non-Detect	Non-Detect	0.3
CA5410016_182_182	GKGSA	Sampled	4.8	Non-Detect	1.09	Non-Detect	0.003	Non-Detect	0.4	Non-Detect	2.9
CA5410020_004_004	GKGSA	Sampled	Non-Detect	Non-Detect	2.72	1.33	2	Non-Detect	0.3	Non-Detect	Non-Detect
CA5410020_008_008	GKGSA	Sampled	7.3	Non-Detect	2.57	2.03	2	Non-Detect	Non-Detect	Non-Detect	0.4
CA5410020_009_009	GKGSA	Sampled	7.2	Non-Detect	1.17	Non-Detect	3	--	0.3	Non-Detect	0.5
CA5410020_009_009	GKGSA	Sampled	--	--	--	--	--	Non-Detect	--	--	--
S4-TUSK-KAW03	GKGSA	Sampled	13.4	Non-Detect	2.45	1.06	21	Non-Detect	1.4	Non-Detect	Non-Detect
S4-TUSK-KAW07	GKGSA	Sampled	7.1	Non-Detect	8.4	2.96	3	Non-Detect	0.5	Non-Detect	3.2
S4-TUSK-KAW18	GKGSA	Sampled	9.2	Non-Detect	4.87	3.03	2	Non-Detect	Non-Detect	Non-Detect	2
WCR0143165	GKGSA	Sampled	12.6	Non-Detect	13.8	8.14	2	0.04	0.6	Non-Detect	1.3
19S24E31_DOM002	MKGSA	Sampled	4.3	Non-Detect	6.6	5.26	1	Non-Detect	Non-Detect	Non-Detect	0.4
CA1610004_003_003	MKGSA	Sampled	13.7	Non-Detect	13.1	11.7	8	Non-Detect	Non-Detect	Non-Detect	1.9
CA5400919_001_001	MKGSA	Sampled	12.1	Non-Detect	4.86	3.88	2	Non-Detect	0.7	Non-Detect	0.3
CA5403217_001_001	MKGSA	Sampled	Non-Detect	Non-Detect	0.353	Non-Detect	7	Non-Detect	Non-Detect	Non-Detect	Non-Detect
CA5410015_014_014	MKGSA	Sampled	Non-Detect	Non-Detect	2.34	Non-Detect	3	Non-Detect	Non-Detect	Non-Detect	Non-Detect
CA5410015_048_048	MKGSA	Sampled	5	0.019	5.67	2.74	Non-Detect	Non-Detect	0.6	Non-Detect	1.3
CA5410015_065_065	MKGSA	Sampled	Non-Detect	Non-Detect	1.34	Non-Detect	3	Non-Detect	Non-Detect	Non-Detect	Non-Detect
CA5410016_058_058	MKGSA	Sampled	2	Non-Detect	1.96	1	0.001	Non-Detect	0.1	Non-Detect	0.3
CA5410016_060_060	MKGSA	Sampled	3.2	Non-Detect	4.94	3	Non-Detect	Non-Detect	0.3	Non-Detect	0.8
CA5410016_081_081	MKGSA	Sampled	3.1	Non-Detect	8.65	3	Non-Detect	Non-Detect	0.5	Non-Detect	1.1
CA5410016_094_094	MKGSA	Sampled	2.8	0.025	3.82	0.002	Non-Detect	Non-Detect	0.3	Non-Detect	0.8
CA5410016_166_166	MKGSA	Sampled	2	Non-Detect	2.57	2	Non-Detect	Non-Detect	0.2	Non-Detect	0.9

Dark Grey Sample is not characteristic of groundwater quality at the time of sampling due to sampling or laboratory error

*Initial exceedance considered anomalous; confirmation sample below Primary MCL reported

Kaweah Groundwater Quality Monitoring Results at Designated Representative Monitoring Sites (Fall 2025)											
RMS ID	GSA	Sampling Field Note	Drinking Water 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 (Cr6)
			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)
KSB-1320d2	MKGSA	Not Sampled	--	--	--	--	--	--	--	--	--
KSB-1408d2	MKGSA	Not Sampled	--	--	--	--	--	--	--	--	--
MK-1 lower2	MKGSA	Not Sampled	--	--	--	--	--	--	--	--	--
MK-2 lower2	MKGSA	Not Sampled	--	--	--	--	--	--	--	--	--
OK-1 upper1	MKGSA	Not Sampled	--	--	--	--	--	--	--	--	--
SW-1 upper	MKGSA	Sampled	46.5	Non-Detect	34.5	47.6	Non-Detect	Non-Detect	0.7	Non-Detect	1.1

Dark Grey Sample may not be characteristic of groundwater quality at the time of sampling due to sampling or laboratory error

*Initial exceedance considered anomalous; confirmation sample below Primary MCL reported

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

Kaweah Groundwater Quality Monitoring Results at Designated Representative Monitoring Sites (Fall 2025)							
RMS ID	GSA	Sampling Field Note	Aesthetic (Non-Health Based) Standards (Secondary MCL)				
			Total Dissolved Solids	Specific Conductivity	Chloride	Sulfate	Lab pH
			1000	1600	500	500	8.5
			(mg/L)	(umhos/cm)	(mg/L)	(mg/L)	(-)
16S26E31_DOM001	EKGSA	Sampled	640	875	23	125	7.9
20S26E36_AG002	EKGSA	Sampled	330	533	26	28.4	8.1
CA5400567_002_002	EKGSA	Sampled	1130	1840	490	34.5	8.1
CA5400647_003_003	EKGSA	Not Sampled	--	--	--	--	--
CA5400682_001_001	EKGSA	Sampled	240	394	24	8.7	8.2
CA5410006_014_014	EKGSA	Sampled	1170	1850	400	43.9	8.2
CA5410007_005_005	EKGSA	Sampled	490	810	98	26.7	8.3
CA5410012_002_002	EKGSA	Sampled	390	624	33	40.6	7.8
CA5410039_004_004	EKGSA	Sampled	200	347	14	10.8	8.1
LID-5th NE	EKGSA	Not Sampled	--	--	--	--	--
LID-5th SW	EKGSA	Not Sampled	--	--	--	--	--
MG Well	EKGSA	Sampled	630	832	24	138	8.3
WCR2022-015193	EKGSA	Sampled	380	619	17	49.9	8
WCR2022-15044	EKGSA	Sampled	600	905	120	84.6	8.4
CA5400647_001_001	EKGSA	Sampled	420	640	33	33	7.9
18S23E07N001M	GKGSA	Sampled	1630	2540	600	183	8
19S22E11_AG001	GKGSA	Sampled	110	158	7	3.8	9.2
19S22E34_DOM005	GKGSA	Sampled	430	491	50	31.1	7.8
19S23E04_DOM004	GKGSA	Sampled	470	704	48	39.2	7.8
20S21E02J002M	GKGSA	Sampled	450	730	63	38	8.1
20S23E35_DOM003	GKGSA	Sampled	280	286	24	24.7	8.5
21S24E05_DOM007	GKGSA	Sampled	520	811	92	62.6	8.3
21S24E09_DOM006	GKGSA	Sampled	600	903	67	93	6.9

Dark Grey Sample is not characteristic of groundwater quality at the time of sampling due to sampling or laboratory error

*Initial exceedance considered anomalous; confirmation sample below Secondary MCL reported

Kaweah Groundwater Quality Monitoring Results at Designated Representative Monitoring Sites (Fall 2025)							
RMS ID	GSA	Sampling Field Note	Aesthetic (Non-Health Based) Standards (Secondary MCL)				
			Total Dissolved Solids	Specific Conductivity	Chloride	Sulfate	Lab pH
			1000	1600	500	500	8.5
			(mg/L)	(umhos/cm)	(mg/L)	(mg/L)	(-)
CA1600290_001_001	GKGSA	Sampled	370	647	120	40.8	8
CA1610004_015_015	GKGSA	Sampled	180	250	12	Non-Detect	9.7
CA5400519_001_001	GKGSA	Sampled	380	650	53	48	8.4
CA5400616_001_001	GKGSA	Sampled	580	736	20	122	8
CA5400714_001_001	GKGSA	Sampled	170	256	7	7.3	8.2
CA5400819_002_002	GKGSA	Sampled	170	298	6	18.5	8
CA5400903_001_001	GKGSA	Sampled	160	238	6	7.9	8.1
CA5402038_001_001	GKGSA	Sampled	190	238	5	10.4	8.2
CA5402038_002_002	GKGSA	Sampled	250	339	7	20.6	8.2
CA5403031_002_002	GKGSA	Sampled	260	382	12	27.5	8.1
CA5403032_001_001	GKGSA	Sampled	270	433	38	12.8	8.2
CA5403050_001_001	GKGSA	Sampled	130	176	3	3.6	8.1
CA5403055_001_001	GKGSA	Sampled	360	486	16	60.8	7.9
CA5403076_002_002	GKGSA	Sampled	280	412	10	13.4	8.1
CA5403090_001_001	GKGSA	Sampled	240	409	16	10.8	8.1
CA5403130_001_001	GKGSA	Sampled	180	268	10	25.8	8
CA5403141_001_001	GKGSA	Sampled	140	217	7	10.7	8.2
CA5410003_004_004	GKGSA	Sampled	410	575	17	37.3	8
CA5410003_007_007	GKGSA	Sampled	290	447	12	25.3	8.1
CA5410003_014_014	GKGSA	Sampled	320	543	24	25.3	8
CA5410004_005_005	GKGSA	Sampled	100	164	4	5.8	8.1
CA5410004_006_006	GKGSA	Sampled	100	173	3	5.8	8
CA5410004_007_007	GKGSA	Sampled	90	170	3	7	8
CA5410004_014_014	GKGSA	Sampled	80	170	4	3.5	7.8

Dark Grey Sample is not characteristic of groundwater quality at the time of sampling due to sampling or laboratory error

*Initial exceedance considered anomalous; confirmation sample below Secondary MCL reported

Kaweah Groundwater Quality Monitoring Results at Designated Representative Monitoring Sites (Fall 2025)							
RMS ID	GSA	Sampling Field Note	Aesthetic (Non-Health Based) Standards (Secondary MCL)				
			Total Dissolved Solids	Specific Conductivity	Chloride	Sulfate	Lab pH
			1000	1600	500	500	8.5
			(mg/L)	(umhos/cm)	(mg/L)	(mg/L)	(-)
CA5410006_015_015	GKGSA	Sampled	2090	2900	760	49.8	8
CA5410015_069_069	GKGSA	Sampled	190	258	7	8	8.8
CA5410016_076_076	GKGSA	Sampled	190	321	16	16.3	--
CA5410016_178_178	GKGSA	Sampled	110	193	5	4.4	--
CA5410016_182_182	GKGSA	Sampled	90	205	9	9.6	--
CA5410020_004_004	GKGSA	Sampled	250	332	5	2	8.1
CA5410020_008_008	GKGSA	Sampled	310	428	23	23.6	8
CA5410020_009_009	GKGSA	Sampled	300	434	20	29.9	8
S4-TUSK-KAW03	GKGSA	Sampled	260	384	39	30.8	8.2
S4-TUSK-KAW07	GKGSA	Sampled	230	345	19	15	8.1
S4-TUSK-KAW18	GKGSA	Sampled	320	442	15	15.6	8
WCR0143165	GKGSA	Sampled	470	694	24	49.2	8.2
19S24E31_DOM002	MKGSA	Sampled	160	240	9	10.3	8.2
CA1610004_003_003	MKGSA	Sampled	370	580	28	67.5	8.2
CA5400919_001_001	MKGSA	Sampled	240	359	28	23.8	8.4
CA5403217_001_001	MKGSA	Sampled	690	1070	270	Non-Detect	8.8
CA5410015_014_014	MKGSA	Sampled	200	336	22	8.6	9.3
CA5410015_048_048	MKGSA	Sampled	200	269	8	16.1	9.3
CA5410015_065_065	MKGSA	Sampled	260	455	48	18.8	9.2
CA5410016_058_058	MKGSA	Sampled	90	169	4	5.6	--
CA5410016_060_060	MKGSA	Sampled	130	222	9	14.3	--
CA5410016_081_081	MKGSA	Sampled	140	250	6	11.1	--
CA5410016_094_094	MKGSA	Sampled	120	219	7	10.2	14
CA5410016_166_166	MKGSA	Sampled	90	204	11	8	--

Dark Grey Sample is not characteristic of groundwater quality at the time of sampling due to sampling or laboratory error

*Initial exceedance considered anomalous; confirmation sample below Secondary MCL reported

Kaweah Groundwater Quality Monitoring Results at Designated Representative Monitoring Sites (Fall 2025)							
RMS ID	GSA	Sampling Field Note	Aesthetic (Non-Health Based) Standards (Secondary MCL)				
			Total Dissolved Solids	Specific Conductivity	Chloride	Sulfate	Lab pH
			1000	1600	500	500	8.5
			(mg/L)	(umhos/cm)	(mg/L)	(mg/L)	(-)
KSB-1320d2	MKGSA	Not Sampled	--	--	--	--	--
KSB-1408d2	MKGSA	Not Sampled	--	--	--	--	--
MK-1 lower2	MKGSA	Not Sampled	--	--	--	--	--
MK-2 lower2	MKGSA	Not Sampled	--	--	--	--	--
OK-1 upper1	MKGSA	Not Sampled	--	--	--	--	--
SW-1 upper	MKGSA	Sampled	1080	1240	76	43.3	7.7

Dark Grey Sample is not characteristic of groundwater quality at the time of sampling due to sampling or laboratory error

*Initial exceedance considered anomalous; confirmation sample below Secondary MCL reported

Agriculturally Based (Non-Health Based) Monitoring Results

Kaweah Groundwater Quality Monitoring Results at Designated Representative Monitoring Sites (Fall 2025)				
RMS ID	GSA	Sampling Field Note	Agriculturally-Based Standards (Ag Suitability Standards)	
			Sodium	Boron
			69	0.7
			(mg/L)	(mg/L)
16S26E31_DOM001	EKGSA	Sampled	32	0.02
20S26E36_AG002	EKGSA	Sampled	48	0.04
CA5400567_002_002	EKGSA	Sampled	204	0.16
CA5400647_003_003	EKGSA	Not Sampled	--	--
CA5400682_001_001	EKGSA	Sampled	45	0.05
CA5410006_014_014	EKGSA	Sampled	142	0.19
CA5410007_005_005	EKGSA	Sampled	88	0.15
CA5410012_002_002	EKGSA	Sampled	54	0.11
CA5410039_004_004	EKGSA	Sampled	49	0.05
LID-5th NE	EKGSA	Not Sampled	--	--
LID-5th SW	EKGSA	Not Sampled	--	--
MG Well	EKGSA	Sampled	56	Non-Detect
WCR2022-015193	EKGSA	Sampled	48	Non-Detect
WCR2022-15044	EKGSA	Sampled	138	0.05
CA5400647_001_001	EKGSA	Sampled	40	Non-Detect
18S23E07N001M	GKGSA	Sampled	417	0.12
19S22E11_AG001	GKGSA	Sampled	36	0.08
19S22E34_DOM005	GKGSA	Sampled	58	Non-Detect
19S23E04_DOM004	GKGSA	Sampled	73	0.13
20S21E02J002M	GKGSA	Sampled	163	0.6
20S23E35_DOM003	GKGSA	Sampled	47	0.09
21S24E05_DOM007	GKGSA	Sampled	121	0.2
21S24E09_DOM006	GKGSA	Sampled	128	0.24

Dark Grey Sample is not characteristic of groundwater quality at the time of sampling due to sampling or laboratory error

Kaweah Groundwater Quality Monitoring Results at Designated Representative Monitoring Sites (Fall 2025)				
RMS ID	GSA	Sampling Field Note	Agriculturally-Based Standards (Ag Suitability Standards)	
			Sodium	Boron
			69	0.7
			(mg/L)	(mg/L)
CA1600290_001_001	GKGSA	Sampled	84	Non-Detect
CA1610004_015_015	GKGSA	Sampled	49	0.3
CA5400519_001_001	GKGSA	Sampled	101	0.3
CA5400616_001_001	GKGSA	Sampled	40	Non-Detect
CA5400714_001_001	GKGSA	Sampled	17	0.03
CA5400819_002_002	GKGSA	Sampled	16	0.02
CA5400903_001_001	GKGSA	Sampled	13	0.02
CA5402038_001_001	GKGSA	Sampled	18	Non-Detect
CA5402038_002_002	GKGSA	Sampled	19	Non-Detect
CA5403031_002_002	GKGSA	Sampled	11	0.02
CA5403032_001_001	GKGSA	Sampled	39	Non-Detect
CA5403050_001_001	GKGSA	Sampled	8	0.02
CA5403055_001_001	GKGSA	Sampled	19	Non-Detect
CA5403076_002_002	GKGSA	Sampled	16	0.03
CA5403090_001_001	GKGSA	Sampled	31	0.02
CA5403130_001_001	GKGSA	Sampled	12	Non-Detect
CA5403141_001_001	GKGSA	Sampled	12	Non-Detect
CA5410003_004_004	GKGSA	Sampled	41	Non-Detect
CA5410003_007_007	GKGSA	Sampled	39	Non-Detect
CA5410003_014_014	GKGSA	Sampled	46	0.04
CA5410004_005_005	GKGSA	Sampled	9	Non-Detect
CA5410004_006_006	GKGSA	Sampled	9	Non-Detect
CA5410004_007_007	GKGSA	Sampled	11	Non-Detect
CA5410004_014_014	GKGSA	Sampled	16	Non-Detect

Dark Grey Sample is not characteristic of groundwater quality at the time of sampling due to sampling or laboratory error

Kaweah Groundwater Quality Monitoring Results at Designated Representative Monitoring Sites (Fall 2025)				
RMS ID	GSA	Sampling Field Note	Agriculturally-Based Standards (Ag Suitability Standards)	
			Sodium	Boron
			69	0.7
			(mg/L)	(mg/L)
CA5410006_015_015	GKGSA	Sampled	206	0.2
CA5410015_069_069	GKGSA	Sampled	38	Non-Detect
CA5410016_076_076	GKGSA	Sampled	37	0.02
CA5410016_178_178	GKGSA	Sampled	6	0.01
CA5410016_182_182	GKGSA	Sampled	30	0.02
CA5410020_004_004	GKGSA	Sampled	17	Non-Detect
CA5410020_008_008	GKGSA	Sampled	23	Non-Detect
CA5410020_009_009	GKGSA	Sampled	25	Non-Detect
CA5410020_009_009	GKGSA	Sampled	--	--
S4-TUSK-KAW03	GKGSA	Sampled	58	0.02
S4-TUSK-KAW07	GKGSA	Sampled	41	Non-Detect
S4-TUSK-KAW18	GKGSA	Sampled	40	0.04
WCR0143165	GKGSA	Sampled	40	0.05
19S24E31_DOM002	MKGSA	Sampled	31	0.02
CA1610004_003_003	MKGSA	Sampled	64	Non-Detect
CA5400919_001_001	MKGSA	Sampled	56	Non-Detect
CA5403217_001_001	MKGSA	Sampled	172	1.2
CA5410015_014_014	MKGSA	Sampled	70	0.7
CA5410015_048_048	MKGSA	Sampled	26	Non-Detect
CA5410015_065_065	MKGSA	Sampled	87	0.7
CA5410016_058_058	MKGSA	Sampled	7	0.01
CA5410016_060_060	MKGSA	Sampled	15	0.01
CA5410016_081_081	MKGSA	Sampled	17	0.01
CA5410016_094_094	MKGSA	Sampled	14	0.01

Dark Grey Sample is not characteristic of groundwater quality at the time of sampling due to sampling or laboratory error

Kaweah Groundwater Quality Monitoring Results at Designated Representative Monitoring Sites (Fall 2025)				
RMS ID	**GSA**	**Sampling Field Note**	**Agriculturally-Based Standards (Ag Suitability Standards)**	
			Sodium	**Boron**
			69	**0.7**
			(mg/L)	**(mg/L)**
CA5410016_166_166	MKGSA	Sampled	15	0.01
KSB-1320d2	MKGSA	Not Sampled	--	--
KSB-1408d2	MKGSA	Not Sampled	--	--
MK-1 lower2	MKGSA	Not Sampled	--	--
MK-2 lower2	MKGSA	Not Sampled	--	--
OK-1 upper1	MKGSA	Not Sampled	--	--
SW-1 upper	MKGSA	Sampled	23	Non-Detect

Dark Grey Sample is not characteristic of groundwater quality at the time of sampling due to sampling or laboratory 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 are available at the bottom of this page.

Who pays for the representative monitoring program implementation costs?
Monitoring costs, including sampling, laboratory results, and interpretation of laboratory results by the Kaweah Subbasin's Technical Team 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 with those of 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 wells are used 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:

1. Reporting to the California Department of Water Resources in Annual Reports submitted to the state's publicly accessible SGMA Portal by April 1st every year,
2. Notifications to landowners via seasonal reports (such as this report), or
3. Direct landowner notification planned for implementation following sufficient domestic well owner participation in the Well Registration Program.

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