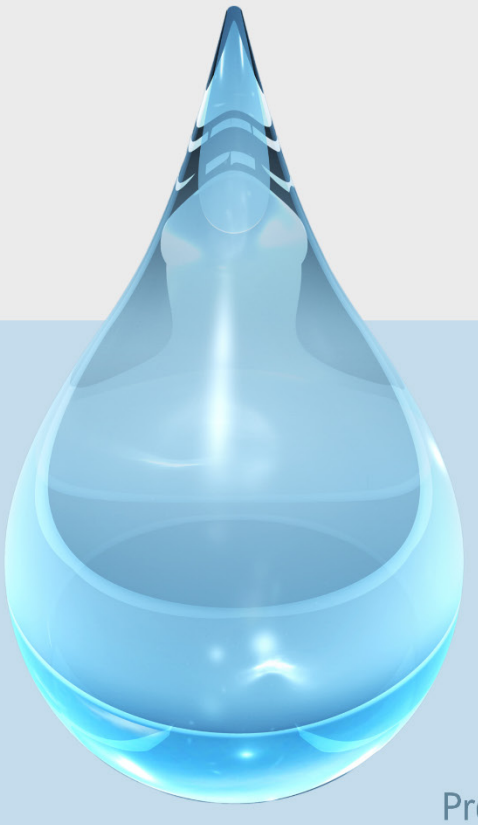
East Kaweah GSA
Greater Kaweah GSA
Mid-Kaweah GSA

Kaweah Subbasin

Groundwater Sustainability Agencies

GROUNDWATER QUALITY REPORT

SPRING 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

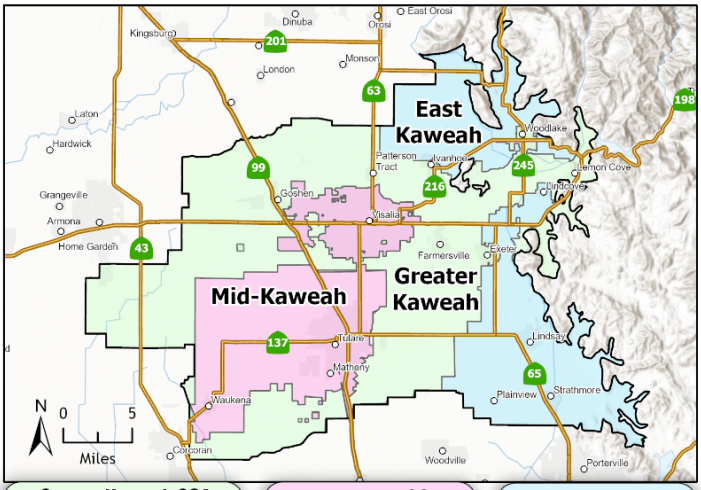
4CREEKS

NEW Seasonal Reporting 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.



Greater Kaweah GSA
(559) 302-9987
info@greaterkaweahgsa.org
227 N West St, Visalia CA 93291
Primary Contact:
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Mid-Kaweah GSA
(559) 686-3425
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groundwater@ekgsa.org
315 E Lindmore St, Lindsay, CA 93247
Primary Contact:
Mike Hagman, Executive Director

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 impact-avoidance 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.

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**.

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.

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					
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	Assisted 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 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.

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.

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 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

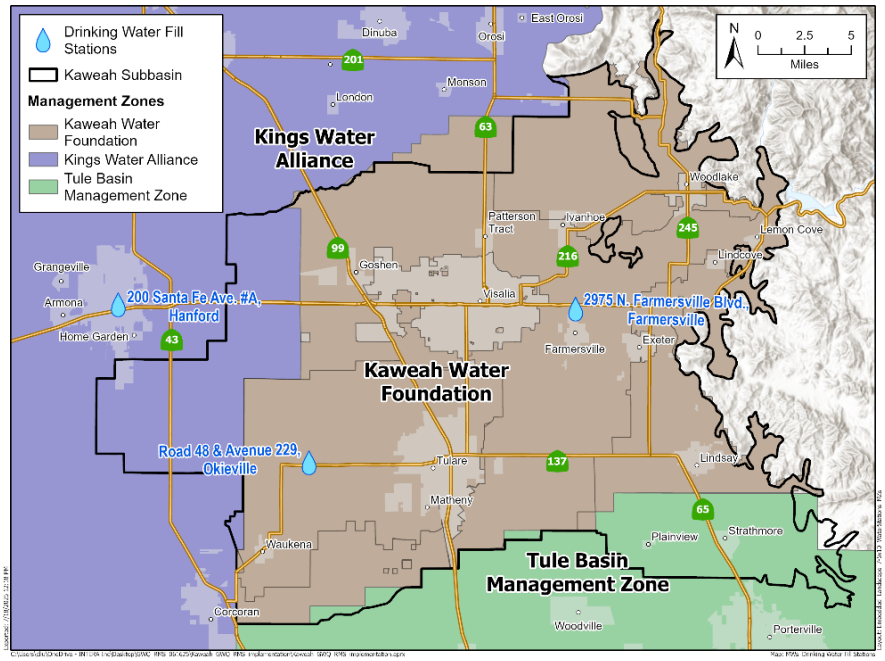
Note: for customers of public (city well systems, community water systems, state small water systems), please see your water provider's respective consumer confidence report(s) for a summary of the system's water quality (post-treatment).

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.

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 (KWF) 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

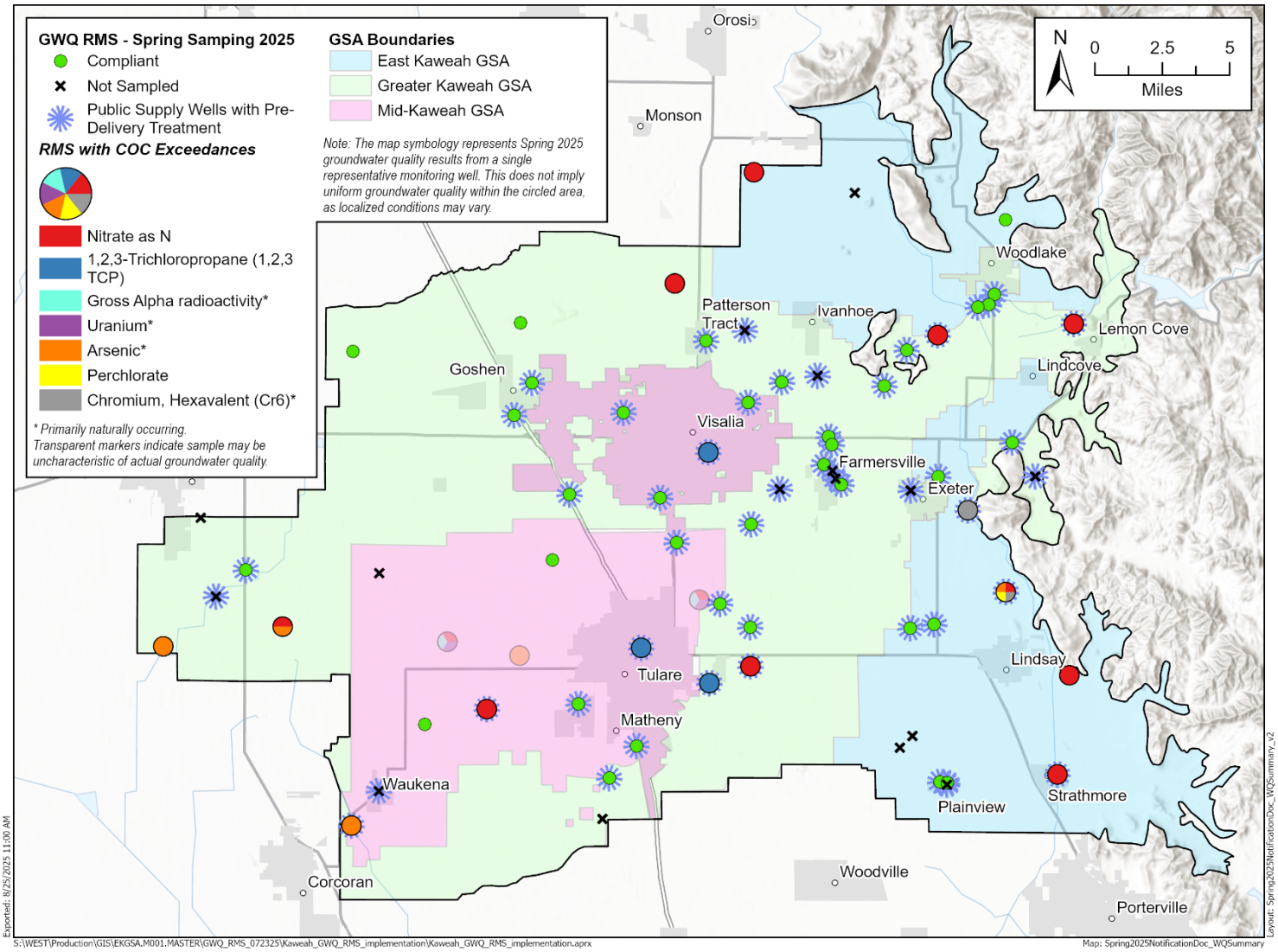
The groundwater quality results reported herein reflect the raw groundwater quality and not the treated water provided by public water systems.

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 Monitoring Results at Designated Representative Monitoring Sites (Spring 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)
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

Light Grey Unconfirmed if sample is characteristic of groundwater quality at the time of sampling - resample needed

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

*Initial exceedance considered anomalous; confirmation sample below regulatory threshold reported.

Kaweah Groundwater Quality Monitoring Results at Designated Representative Monitoring Sites (Spring 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)
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

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

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

Kaweah Groundwater Quality Monitoring Results at Designated Representative Monitoring Sites (Spring 2025)							
RMS ID	GSA	Sampling Field Note	Aesthetic (Non-Health Based) Standards (Secondary MCL)				
			Total Dissolved Solids	Specific Conductivity	Chloride	Sulfate	pH
			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	--	--	--	--	--

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

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

*Initial exceedance considered anomalous; confirmation sample (resample) below regulatory threshold reported. Reported value reflects results from confirmation sample.

Kaweah Groundwater Quality Monitoring Results at Designated Representative Monitoring Sites (Spring 2025)							
RMS ID	GSA	Sampling Field Note	Aesthetic (Non-Health Based) Standards (Secondary MCL)				
			Total Dissolved Solids	Specific Conductivity	Chloride	Sulfate	pH
			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

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

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

Kaweah Groundwater Quality Monitoring Results at Designated Representative Monitoring Sites (Spring 2025)							
RMS ID	GSA	Sampling Field Note	Aesthetic (Non-Health Based) Standards (Secondary MCL)				
			Total Dissolved Solids	Specific Conductivity	Chloride	Sulfate	pH
			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	8	11.5	9.7
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 — Unconfirmed if sample is characteristic of groundwater quality at the time of sampling (resample needed)

Dark Grey — 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)

RMS ID	GSA	Sampling Field Note	Agriculturally-Based Standards (Ag Suitability Standards)	
			Sodium	Boron
			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	--	--

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

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

Kaweah Groundwater Quality Monitoring Results at Designated Representative Monitoring Sites (Spring 2025)				
RMS ID	GSA	Sampling Field Note	Agriculturally-Based Standards (Ag Suitability Standards)	
			Sodium	Boron
			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

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

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

Kaweah Groundwater Quality Monitoring Results at Designated Representative Monitoring Sites (Spring 2025)				
RMS ID	GSA	Sampling Field Note	Agriculturally-Based Standards (Ag Suitability Standards)	
			Sodium	Boron
			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	Unconfirmed if sample is characteristic of groundwater quality at the time of sampling (resample needed)
Dark Grey	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).