

2025 Consumer Confidence Report

Water System Information

Water System Name: Riverstone / Root Creek Water District

Report Date: July 1, 2026

Type of Water Source(s) in Use: Groundwater

Name and General Location of Source(s): Well #1, Well #2, and Well #5 are located within the Root Creek Water District boundaries in Madera County, California.

Drinking Water Source Assessment Information: A source water assessment was completed for the sources delivering water to the distribution system. Source assessment information is kept on file at the Operator's office located at 5105 E. Belmont Avenue, Fresno, California 93727. If you have questions regarding these assessments, contact the office or make an appointment during business hours: Monday – Friday, 8:00 a.m. to 5:00 p.m.

Time and Place of Regularly Scheduled Board Meetings for Public Participation: 2nd Monday of each month at 11:00 a.m. Root Creek WD Board of Directors meetings are held at the Riverstone Lodge located at 370 S. Lodge Rd., Madera, California 93636.

For More Information, Contact: Steve Pickens or Shay Bakman (559) 255-2305.

About This Report

We test the drinking water quality for many constituents as required by state and federal regulations. This report shows the results of our monitoring for the period of January 1 to December 31, 2025, and may include earlier monitoring data.

This report contains important information about your drinking water. Please contact Root Creek Water District at (559) 255-2305 for more information or assistance in the appropriate language.

Este informe contiene información muy importante sobre su agua para beber. Favor de comunicarse Root Creek Water District a (559) 255-2305 para asistirlo en español.

这份报告含有关于您的饮用水的重要讯息。请用以下地址和电话联系 Root Creek Water District 以获得中文的帮助: (559) 255-2305.

Ang pag-uulat na ito ay naglalaman ng mahalagang impormasyon tungkol sa inyong inuming tubig. Mangyaring makipag-ugnayan sa Root Creek Water District o tumawag sa (559) 255-2305 para matulungan sa wikang Tagalog.

Báo cáo này chứa thông tin quan trọng về nước uống của bạn. Xin vui lòng liên hệ Root Creek Water District tại (559) 255-2305 để được hỗ trợ giúp bằng tiếng Việt.

Tsab ntawv no muaj cov ntsiab lus tseem ceeb txog koj cov dej haus. Thov hu rau Root Creek Water District ntawm (559) 255-2305 rau kev pab hauv lus Askiv.

Terms Used in This Report

Term	Definition
Level 1 Assessment	A Level 1 assessment is a study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system.
Level 2 Assessment	A Level 2 assessment is a very detailed study of the water system to identify potential problems and determine (if possible) why an <i>E. coli</i> MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.
Maximum Contaminant Level (MCL)	The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically feasible. Secondary MCLs are set to protect the odor, taste, and appearance of drinking water.
Maximum Contaminant Level Goal (MCLG)	The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the U.S. Environmental Protection Agency (U.S. EPA).
Maximum Residual Disinfectant Level (MRDL)	The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
Maximum Residual Disinfectant Level Goal (MRDLG)	The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.
Primary Drinking Water Standards (PDWS)	MCLs and MRDLs for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.
Public Health Goal (PHG)	The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.
Regulatory Action Level (AL)	The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.
Secondary Drinking Water Standards (SDWS)	MCLs for contaminants that affect taste, odor, or appearance of the drinking water. Contaminants with SDWSs do not affect the health at the MCL levels.
Treatment Technique (TT)	A required process intended to reduce the level of a contaminant in drinking water.
Variances and Exemptions	Permissions from the State Water Resources Control Board (State Board) to exceed an MCL or not comply with a treatment technique under certain conditions.
ND	Not detectable at testing limit.
ppm	parts per million or milligrams per liter (mg/L)
ppb	parts per billion or micrograms per liter (µg/L)
ppt	parts per trillion or nanograms per liter (ng/L)
ppq	parts per quadrillion or picogram per liter (pg/L)
pCi/L	picocuries per liter (a measure of radiation)

Sources of Drinking Water and Contaminants that May Be Present in Source Water

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in source water include:

- Microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- Inorganic contaminants, such as salts and metals, that can be naturally-occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- Pesticides and herbicides, that may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.
- Organic chemical contaminants, including synthetic and volatile organic chemicals, that are byproducts of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, agricultural application, and septic systems.
- Radioactive contaminants, that can be naturally-occurring or be the result of oil and gas production and mining activities.

Regulation of Drinking Water and Bottled Water Quality

In order to ensure that tap water is safe to drink, the U.S. EPA and the State Board prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. The U.S. Food and Drug Administration regulations and California law also establish limits for contaminants in bottled water that provide the same protection for public health.

About Your Drinking Water Quality

In 2025, we conducted water sampling for over 80 contaminants and 22 of these contaminants were detected, but only Manganese, currently a contaminant with Secondary Drinking Water Standards, was detected at a level higher than the State allows for drinking water aesthetics. Included are details about where your water comes from, what it contains, and how it compares to State standards. We are committed to providing you with information because informed customers are our best allies.

Drinking Water Contaminants Detected

Tables 1, 2, 3, 4, 5, 6, and 8 list all of the drinking water contaminants that were detected during the most recent sampling for the constituent. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. The State Board allows us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of the data, though representative of the water quality, are more than one year old. Any violation of an AL, MCL, MRDL, or TT is asterisked. Additional information regarding the violation is provided later in this report.

Table 1. Sampling Results Showing the Detection of Coliform Bacteria

Microbiological Contaminants	Highest No. of Detections	No. of Months in Violation	MCL	MCLG	Typical Source of Bacteria
<i>E. coli</i>	(2025) 0	0	(a)	0	Human and animal fecal waste

(a) Routine and repeat samples are total coliform-positive and either is *E. coli*-positive or system fails to take repeat samples following *E. coli*-positive routine sample or system fails to analyze total coliform-positive repeat sample for *E. coli*.

Table 2. Sampling Results Showing the Detection of Lead and Copper

Lead and Copper	Sample Date	No. of Samples Collected	90 th Percentile Level Detected	No. Sites Exceeding AL	Range of Results	AL	PHG	Typical Source of Contaminant
Lead (ppb)	8/2023	27	ND	0	0 – 4	15	0.2	Corrosion of household plumbing systems; Erosion of natural deposits
Copper (ppm)	8/2023	27	0.099	0	0.01 – 0.23	1.3	0.3	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

Table 3. Sampling Results for Sodium and Hardness

Chemical or Constituent (reporting units)	Sample Date	Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminant
Sodium (ppm)	2025	45	18 - 81	None	None	Salt present in the water and is generally naturally occurring
Hardness (ppm)	2025	163	52 - 380	None	None	Sum of polyvalent cations present in the water, generally magnesium and calcium, and are usually naturally occurring

Table 4. Detection of Contaminants with a Primary Drinking Water Standard

Chemical or Constituent (reporting units)	Sample Date	Level Detected	Range of Detections	MCL [MRDL]	PHG (MCLG) [MRDLG]	Typical Source of Contaminant
Fluoride (ppm)	2025	0.123	ND - 0.20	2.0	1	Erosion of natural deposits, water additive that promotes strong teeth; discharge from fertilizer and aluminum factories
Aluminum (ppm)	2025	0.005	ND - 0.016	1	0.6	Erosion of natural deposits, residue from surface water treatment processes
Arsenic (ppb)	2025	4.42	3.3 - 5.0	10	0.004	Erosion of natural deposits, runoff from orchards; glass and electronics production wastes
Selenium (ppb)	2025	0.9	ND - 2.7	50	30	Discharges from petroleum, glass and metal refineries; erosion of natural deposits; discharges from mines and chemical manufacturers; runoff from livestock lots (feed additives)
Nitrate as N (ppm)	2025	2.32	ND - 6.3	10 (as N)	10 (as N)	Runoff leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits and leaching
Barium (ppm)	2025	0.263	0.08 - 0.49	1	2	Discharge of oil drilling wastes and from metal refineries; erosion of natural deposits
Chromium [Total] (ppb)	2025	1.9	ND - 4.1	50	(100)	Discharges from steel and pulp mills, chrome plating erosion of natural deposits
Nickel (ppb)	2025	1.5	ND - 2.9	100	12	Erosion of natural deposits; discharges from metal factories
TTHM [Total Trihalomethanes] (ppb)	2025	3	ND - 3	80	N/A	Byproduct from drinking water disinfection
Gross Alpha Particle Activity (pCi/L)	2023	2.09	ND - 6.6	15	(0)	Erosion of natural deposits
Combined Radium 226 & 228 (pCi/L)	2023	1.3	ND - 3.6	5	0	Erosion of natural deposits

Chromium [Hexavalent] (ppb)	2025	0.72	ND - 1.4	10	0.02	Erosion of natural deposits; transformation of naturally occurring trivalent chromium to hexavalent chromium by natural processes and human activities such as discharges from electroplating factories, leather tanneries, wood preservation, chemical synthesis, refractory production, and textile manufacturing facilities
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Table 5. Detection of Contaminants with a Secondary Drinking Water Standard

Chemical or Constituent (reporting units)	Sample Date	Level Detected	Range of Detections	SMCL	PHG (MCLG)	Typical Source of Contaminant
Aluminum (ppb)	2025	5	ND - 16	200	N/A	Erosion of natural deposits, residue from surface water treatment processes
Chloride (ppm)	2025	127	11 - 300	500	N/A	Runoff leaching from natural deposits, sea water intrusion
Color (units)	2025	1.82	ND - 5	15	N/A	Natural occurring organic materials
Copper (ppm)	2025	0	ND	1	N/A	Erosion of natural deposits; leaching from wood preservatives
Iron (ppb)	2025	66.8	ND - 330	300	N/A	Leaching from natural deposits; industrial waste
Manganese* (ppb)	2025	71.85	ND - 260	50	N/A	Leaching from natural deposits
Odor Threshold @ 60c (TON)	2025	1	1	3	N/A	Naturally occurring organic material
Specific Conductance (µS/cm)	2025	626	210 – 1,200	1,600	N/A	Substances that form ions when in water, sea water influence
Sulfate (ppm)	2025	16.5	4.5 - 34	500	N/A	Runoff/leaching from natural deposits; industrial waste
Total dissolved Solids [TDS] (ppm)	2025	506	260 - 860	1,000	N/A	Leaching from natural deposits
Turbidity (NTU)	2025	0.15	ND – 0.85	5	N/A	Soil runoff

Table 6. Detection of Unregulated Contaminants

Chemical or Constituent (reporting units)	Sample Date	Level Detected	Range of Detections	Notification Level	Health Effects
Potassium (ppm)	2022	5.1	4.2 - 6.5	N/A	N/A
Total Alkalinity (ppm)	2025	91.66	55 - 110	N/A	N/A

Additional General Information on Drinking Water

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the U.S. EPA's Safe Drinking Water Hotline (1-800-426-4791).

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. U.S. EPA/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).

Lead-Specific Language: Lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Root Creek Water District is responsible for providing high quality drinking water and removing lead pipes but cannot control the variety of materials used in plumbing components in your home. You share the responsibility for protecting yourself and your family from the lead in your home plumbing. You can take responsibility by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk. Before drinking tap water, flush your pipes for several minutes by running your tap, taking a shower, doing laundry or a load of dishes. You can also use a filter certified by an American National Standards Institute accredited certifier to reduce lead in drinking water. If you are concerned about lead in your water and wish to have your water tested, contact Root Creek Water District at (559) 255-2305. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at <http://www.epa.gov/safewater/lead>.

Arsenic-Specific Language: While your drinking water meets the federal and state standard for arsenic, it does contain low levels of arsenic. The arsenic standard balances the current understanding of arsenic's possible health effects against the cost of removing arsenic from drinking water. The U.S. Environmental Protection Agency continues to research the health effects of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems.

Manganese MCL (Secondary): In 2025, Manganese was found at levels that exceed the Secondary Maximum Contaminant Level of 50 ppb in Well #2. Manganese exposures resulted in neurological effects. High levels of manganese in people have been shown to result in adverse effects to the nervous system. The SRWCB has given temporary approval for Root Creek Water District to inject a sequestering agent (Carus 1000) to help control the aesthetics effects of the Iron and Manganese.