

## APPENDIX B: eCCR Certification Form (Suggested Format)

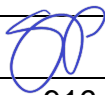
### Consumer Confidence Report Certification Form

(To be submitted with a copy of the CCR)

Water System Name:	City of Roseville
Water System Number:	CA3110008

The water system named above hereby certifies that its Consumer Confidence Report was distributed on 05/30/2023 (date) to customers (and appropriate notices of availability have been given). Further, the system certifies that the information contained in the report is correct and consistent with the compliance monitoring data previously submitted to the State Water Resources Control Board, Division of Drinking Water (DDW).

Certified by:

Name: Stephen Peterson	Title: WTP Chief Operator
Signature: 	Date: 10/09/2024
Phone number: 916-746-1996	blank

To summarize report delivery used and good-faith efforts taken, please complete this page by checking all items that apply and fill-in where appropriate:

- CCR was distributed by mail or other direct delivery methods (attach description of other direct delivery methods used).
- CCR was distributed using electronic delivery methods described in the Guidance for Electronic Delivery of the Consumer Confidence Report (water systems utilizing electronic delivery methods must complete the second page).
- "Good faith" efforts were used to reach non-bill paying consumers. Those efforts included the following methods:
  - Posting the CCR at the following URL: [www.roseville.ca.us/eu/water\\_utility/water\\_quality.asp](http://www.roseville.ca.us/eu/water_utility/water_quality.asp)
  - Mailing the CCR to postal patrons within the service area (attach zip codes used)
  - Advertising the availability of the CCR in news media (attach copy of press release)
  - Publication of the CCR in a local newspaper of general circulation (attach a copy of the published notice, including name of newspaper and date published)
  - Posted the CCR in public places (attach a list of locations)

- Delivery of multiple copies of CCR to single-billed addresses serving several persons, such as apartments, businesses, and schools
- Delivery to community organizations (attach a list of organizations)
- Publication of the CCR in the electronic city newsletter or electronic community newsletter or listserv (attach a copy of the article or notice)
- Electronic announcement of CCR availability via social media outlets (attach list of social media outlets utilized)
- Other (attach a list of other methods used)
- For systems serving at least 100,000 persons:* Posted CCR on a publicly-accessible internet site at the following URL: [www.roseville.ca.us/eu/water\\_utility/water\\_quality.asp](http://www.roseville.ca.us/eu/water_utility/water_quality.asp)
- For privately-owned utilities:* Delivered the CCR to the California Public Utilities Commission

### **Consumer Confidence Report Electronic Delivery Certification**

*Water systems utilizing electronic distribution methods for CCR delivery must complete this page by checking all items that apply and fill-in where appropriate.*

- Water system mailed a notification that the CCR is available and provides a direct URL to the CCR on a publicly available website where it can be viewed (attach a copy of the mailed CCR notification). URL: [www.roseville.ca.us/eu/water\\_utility/water\\_quality.asp](http://www.roseville.ca.us/eu/water_utility/water_quality.asp)
- Water system emailed a notification that the CCR is available and provides a direct URL to the CCR on a publicly available site on the Internet where it can be viewed (attach a copy of the emailed CCR notification). URL: [www.](http://www.)
- Water system emailed the CCR as an electronic file email attachment.
- Water system emailed the CCR text and tables inserted or embedded into the body of an email, not as an attachment (attach a copy of the emailed CCR).
- Requires prior DDW review and approval.* Water system utilized other electronic delivery method that meets the direct delivery requirement.

*Provide a brief description of the water system's electronic delivery procedures and include how the water system ensures delivery to customers unable to receive electronic delivery.*

The online availability of the City's CCR was sent as a bill message both electronically and physically for those who receive paper bills similar to Figure 1, CCR Delivery Method 1. The bill message goes to all

electric customers as well as water customers to ensure non account holders are
notified. The message covered 2 billing cycles. Printed copies are available upon
request and at our Utility Exploration Center.
City also utilized social media outlets and the city newsletters to announce the
availability of the CCR.

*This form is provided as a convenience and may be used to meet the certification requirement of section 64483(c) of the California Code of Regulations.*

**Bill Message:**

Your Water Quality Report is now available!  
 We are pleased to present the 2023 water quality report.  
 As in years past, we have complied with all state and federal regulations regarding the quality of water we provide you. To download the latest report, visit [www.roseville.ca.us/waterquality](http://www.roseville.ca.us/waterquality)

**Community Newsletter:**

<https://www.roseville.ca.us/cms/One.aspx?portalId=7964922&pageId=18546551>

# ENVIRONMENTAL UTILITIES **2023** WATER QUALITY REPORT



## About this report

We're pleased to present you with this annual report on city-provided drinking water. As in past years, water quality results have met state and federal standards. The safety and protection of our water system continue to be a top priority as we regularly implement vulnerability assessments and security measures.

Under the guidelines provided by the U.S. Environmental Protection Agency (EPA) and the State Water Resources Control Board, Division of Drinking Water, the City of Roseville monitors and tests the drinking water from the source to tap. Information provided in this report is for the water provided January through December 2023, and includes details about where your water comes from, what it contains, and how it compares to the standards set by the regulatory agencies.

We hope that this report will provide the answers to any questions you may have about the drinking water supplied by the City of Roseville. You can obtain additional information by contacting the Environmental Utilities at (916) 774-5750 or visiting [roseville.ca.us/eu](https://www.roseville.ca.us/eu).



Este informe contiene información muy importante sobre su agua potable. Tradúzcalo o hable con alguien que lo entienda bien.

[roseville.ca.us/eu](https://www.roseville.ca.us/eu)





## Water sources

Drinking water (tap water and bottled water) sources 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 animals' presence or from human activity. In 2023, both surface water and groundwater was supplied by Roseville.

We maintain a water distribution system that contains pipelines throughout the city ranging in size from four inches to over five feet in diameter. Staff collects water samples throughout the system and tests on a weekly basis to ensure quality is maintained during delivery to customers.

### Surface water—Roseville

The surface water source from Folsom Lake is snowmelt water that flows from the Sierra Nevada Mountains. The melting snow flows into the North, Middle, and South Forks of the American River and is ultimately stored in Folsom Lake.

The Folsom Lake water is conveyed to, and treated at, Roseville's 100 million gallon per day (MGD) water treatment plant. The treatment process comprises coagulation, sedimentation, filtration and disinfection. Fluoride is added for residents' dental health and pH is adjusted to reduce corrosion.

### Surface water—PCWA

As part of a regional water use agreement, the City of Roseville receives up to 10 MGD of treated surface water from Placer County Water Agency's (PCWA) Foothill-Sunset water treatment plant. Water from PCWA originates in the Sierra snowpack from the Yuba-Bear and American River watersheds. The source water travels through a network of canal systems operated and maintained by PCWA and PG&E before reaching the water treatment plant. The Foothill-Sunset water treatment plant uses coagulation, high rate settling via micro sand flocculation, filtration and disinfection. Water is fluoridated at the entry point to Roseville. The CCR for this water can be found on PCWA's website: [pcwa.net/services/waterquality](https://pcwa.net/services/waterquality).



## Roseville groundwater sources

The City of Roseville's ability to utilize its groundwater supply is imperative as it provides water reliability to Roseville's customers during times of dry conditions – often resulting in surface water curtailments or other emergencies that severely limit the City's use of surface water.

Currently, the City maintains 6 production wells equipped for aquifer storage and recovery (ASR) and one non-ASR production wells. In total, these groundwater production wells provide an alternate supply to the City's primary surface water supply.

The ASR functionality of production wells enables the City to artificially recharge excess treated surface water through

well injection during years when surface water supplies are abundant, and store this water deep beneath the City in aquifers for use (i.e. pumping or extraction) from the same wells during years when additional water supplies are necessary.

Groundwater exists in the pore space between grains of sediment that make up aquifers which predominately consists of layers of continuous sands and gravels. Groundwater is naturally recharged as a result of rainfall and infiltration of surface water running through creeks, rivers, and streams largely from snowmelt. This rainfall and surface water naturally recharges the groundwater system through the saturation of surface soil and continues to filter downward and into the aquifers beneath the City. The groundwater supplied meets all water quality and health standards just like treated surface water, but may have aesthetic (i.e. largely taste) differences and sometimes is noticeable to some consumers.

Two-thirds of Californians, along with half of all Americans (more than 95 percent for rural Americans) get their household water supplied from groundwater. In addition, groundwater provides approximately 40% of the State's water supply in normal hydrology years and approximately 60% in dry years. In 2023, Roseville supplied 37.5 Million gallons of ASR-sourced groundwater as part of our updated well maintenance program.



## Water source protection

A community's drinking water supply is valuable and needs protection. The quality and reliability of source water can have a significant impact on a community's economy and quality of life. The city actively participates in several source water protection programs.

### American River Watershed Sanitary Survey

This is an ongoing project in partnership with the San Juan Water District, El Dorado Irrigation District, Placer County Water Agency, City of Sacramento, Carmichael Water District and County of Sacramento, keeping us up-to-date on developments in the American River watershed. The 2023 American River Watershed Sanitary Survey assessed the potential water quality contamination activities in the watershed. They evaluated treatment processes and source water protection programs to remove these contaminants from our drinking water.

The American River Watershed is considered most vulnerable to the following activities associated with contaminants detected in the water supply: Folsom Lake State Recreation Area facilities (marina, restrooms, recreational areas, parking lots and storm drains) and residential sewer and septic systems.

The American River Watershed is also considered vulnerable to the following activities not associated with any detected contaminants: illegal activities and dumping, fertilizer, pesticide and herbicide application, and high-density housing developments.

### Keep the Waters Clean Campaign

This source water protection program protects water quality by encouraging boaters and other recreational users of the Sacramento River to use pump outs and public restrooms rather than the river to dispose of wastes. This program is in partnership with the City of Sacramento, County of Sacramento and the East Bay Municipal Utility District.

### Drinking water source assessment program

The city also has completed source water assessments on the groundwater wells to determine if there were any potentially contaminating activities present. There have been no contaminants detected in the water supply for the groundwater wells; however, all wells are still considered vulnerable to activities located near the water source. The wells are considered most vulnerable to the following activities not associated with any detected contaminants: sewer collection systems and chemical/petroleum processing/storage.

## Public participation

The Environmental Utilities Department routinely reports at the City of Roseville Public Utilities Commission meetings held on the fourth Tuesday of each month at 6 p.m. in the City of Roseville Council Chambers. The public is welcome to attend.

## Terms and abbreviations used in this report

**MCL—Maximum Contaminant Level:** 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.

**MCLG—Maximum Contaminant Level Goal:** 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.

**PHG—Public Health Goal:** 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.

**MRDL—Maximum Residual Disinfectant Level:** The highest level of a disinfectant allowed in drinking water. There is convincing evidence that the addition of a disinfectant is necessary for control of microbial contaminants.

**MRDLG—Maximum Residual Disinfectant Level Goal:** 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.

**NTU—Nephelometric Turbidity Units:** a measurement of the clarity of water.

**ppb:** parts per billion. A measurement of the concentration of a substance in the water. One penny in \$10,000,000 would be 1 ppb.

**ppm:** parts per million. A measurement of the concentration of a substance in the water. One penny in \$10,000 would be 1 ppm.

**Primary Drinking Water Standard:** MCLs and MRDLs for contaminants that affect health along with their monitoring and reporting requirements and water treatment requirements.

**Secondary Drinking Water Standards:** Limits for substances that may affect consumer acceptance of water, but are not otherwise harmful. Secondary MCLs are set to address the taste, odor, and appearance of drinking water.

**TT—Treatment Technique:** A required process intended to reduce the level of a contaminant in drinking water.

**µS/cm—microsiemen (µS) per centimeter:** A measurement of water's ability to conduct electrical current.



## Things you should know About 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 water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the USEPA's Safe Drinking Water Hotline at (800) 426-4791.
- Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as individuals with cancer, undergoing chemotherapy, individuals 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. USEPA/ 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 at (800) 426-4791.
- 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.



If you would like to have more information on items related to water quality issues visit the EPA website at [water.epa.gov/drink](http://water.epa.gov/drink) or the California Department of Drinking Water website at [waterboards.ca.gov/drinking\\_water/programs](http://waterboards.ca.gov/drinking_water/programs).

## Statement on lead

Infants, young children, and pregnant women are typically more vulnerable to lead in drinking water than the general population. It is possible that lead levels at your home may be higher than at other homes in the community as a result of the materials used in your home's plumbing.

If your water faucet has not been used for several hours, you can minimize the potential for lead exposure by flushing the faucet for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about elevated lead levels in your home's water, you may wish to have your water tested. Additional information is available from the USEPA Safe Drinking Water Hotline (800) 426-4791 or at [epa.gov/safewater/lead](http://epa.gov/safewater/lead).



## 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 storm water 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 storm water runoff, and residential uses.
- Organic chemical contaminants, including synthetic and volatile organic chemicals that are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, agricultural application and septic systems.
- Radioactive contaminants can be naturally occurring or be the result of oil and gas production and mining activities.
- In order to ensure that tap water is safe to drink, the U.S. Environmental Protection Agency (USEPA) and the California Department of Drinking Water prescribe regulations that limit the amount of certain contaminants in water provided by public water systems.
- The City of Roseville is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at (800) 426-4791, or by visiting [epa.gov/safewater/lead](https://www.epa.gov/safewater/lead).

## Footnotes

(1) Fluoride is added in order to help prevent dental cavities. The optimal fluoride level is 0.7 ppm.

(2) For Total Coliform Bacteria the highest percentage of positive samples collected in any month is reported as the average. The MCL is 5% of monthly samples are positive. Coliforms are bacteria that are naturally present in the environment and are used as indicators that other, potentially harmful, bacteria may be present.

(3) There are no PHGs, MCLGs or mandatory standard health effects language for constituents with secondary drinking water standards because secondary MCLs are set on the basis of aesthetics.



To help Roseville sustain its water supply, we are encouraging customers to adopt and continue water use efficiency practices and limit the amount of water used for any given purpose.

Please take advantage of the valuable tips, rebate information, and educational material the city offers and join in our effort to reduce our use by following these simple steps:



### Reduce your outdoor irrigation

Outdoor irrigation can account for up to 60% of your total water use.



### Check for leaks

Drips and breaks can waste hundreds of gallons of water each day. For more information, check out the "how-to videos" at [roseville.ca.us/savewater](https://www.roseville.ca.us/savewater).



### Schedule a Water Wise House Call

Let our experts analyze your water use and provide you with water-saving tips and devices free of charge. Schedule your appointment or call today at: [roseville.ca.us/housecall](https://www.roseville.ca.us/housecall) or (916) 774-5761.



### Commercial customers

Schedule a water-use review. We'll perform a thorough assessment of indoor and outdoor use to identify inefficiencies and make recommendations for improvement. Call (916) 774-5761 to schedule your appointment today.



### Report water waste at [roseville.ca.us/waterwaste](https://www.roseville.ca.us/waterwaste)

Your eyes and ears are essential to help the city identify potential problem areas and educate our residents about unnecessary water waste.



# Water quality analysis results for 2023\*

This table represents analytes detected at or above the reporting limit.  
For all sampled analyte data please visit Drinking Water Watch at [sdwis.waterboards.ca.gov/PDWW](http://sdwis.waterboards.ca.gov/PDWW)

Substance	MCL	PHG [MCLG]	Folsom Lake Average	Folsom Lake Range	Folsom Lake Year of Sampling	Groundwater Average	Groundwater Range	Groundwater Year of Sampling	Violation	Typical source
<b>Water source monitoring</b>										
<b>Results of Monitoring for Secondary Drinking Water Standards</b>										
Turbidity (NTU)	"TT = 1.0 NTU TT = 95% of samples <0.3 NTU"		0.02 100% <0.3	0.02 - 0.29	2023	0.3	0.21 - 0.42	2023	NO	Runoff/leaching from natural deposits
Fluoride - natural (ppm)	2.0 ppm	1	0.1	0.1	2023	0.45	0.25 - 0.59	2023	NO	Erosion of natural deposits; discharge from fertilizer and aluminum factories
Total Organic Carbon (ppm)		none	0.91	0.45 - 1.6	2023			N/A	NO	Runoff/leaching from natural deposits
Nitrate as NO3 (mg/L)	10 mg/L	10	ND	ND	2023	0.51	0.2 - 1.00	2023	NO	Runoff/leaching from natural deposits; leaching from fertilizer, septic tanks, and sewage
<b>Results of Monitoring for Secondary Drinking Water Standards</b>										
Chloride (ppm)	500 ppm	none	2.5	2.5	2023	40	8 - 110	2023	NO	Runoff/leaching from natural deposits; seawater influence
Total Dissolved Solids (ppm)	1000 ppm	none	46	46	2023	194.2	76 - 350	2023	NO	Runoff/leaching from natural deposits
Specific conductance (uS/cm)	1600 uS/cm	none	62	62	2023	270	110 - 490	2023	NO	Substances that form ions within water
Bicarbonate (ppm)	none	none	24	24	2023	55.8	30 - 130	2023	NO	Runoff/leaching from natural deposits
Alkalinity (ppm)	none	none	24	24	2023	55.8	30 - 130	2023	NO	Runoff/leaching from natural deposits
Calcium (ppm)	none	none	7.2	7.2	2023	21.6	Oct-45	2023	NO	Runoff/leaching from natural deposits
Magnesium (ppm)	none	none	1	1	2023	6.1	2 - 10	2023	NO	Runoff/leaching from natural deposits
Sodium (ppm)	none	none	3	3	2023	17.8	4.5 - 43	2023	NO	Runoff/leaching from natural deposits
pH (pH units)	none	none	8.7	7.3 - 9.5	2023	7.34	6.7 - 7.8	2023	NO	Runoff/leaching from natural deposits
Total Hardness (ppm)	none	none	22	22	2023	80.6	35 - 160	2023	NO	Runoff/leaching from natural deposits
Sulfate as SO4	500 mg/L	none	4.4	4.4	2023	13	20-Jun	2023	NO	Runoff/leaching from natural deposits
Odor --- Threshold	3 TON	none	1.3	1.3	2023	ND	ND	2023	NO	Naturally-occurring organic materials
<b>Additional Monitoring</b>										
Aggressive Index		none	9.84	9.84	2023	10.7	9.94 - 11.1	2023	NO	Runoff/leaching from natural deposits
Langelier Index		none	-2.1	-2.1	2023	-1.34	-2 - -0.88	2023	NO	Runoff/leaching from natural deposits
<b>Distribution system monitoring</b>										
Substance	MCL	PHG [MCLG]	Distance Average	Distance Range				Year of sampling	Violation	Typical source
Total Trihalomethane (ppm)	80		38.4	23 - 71				2023	NO	Byproduct of drinking water chlorination
Haloacetic Acids (ppm)	60		23.9	15 - 48				2023	NO	Byproduct of drinking water chlorination
Chlorine Residual (ppm)	4.0	4	0.78	0.05 - 1.47				2023	NO	Drinking Water Disinfectant added for treatment
Fluoride - added (ppm)	2.0 ppm	1	0.63	0.38 - 0.77				2023	NO	Water additive which promotes strong teeth
<b>Lead and copper monitoring</b>										
			90th Percentile	#Sample/ # Exceeded AL						
Lead (ppb)	AL = 15	0.2	ND	55/0				2021	NO	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
Copper (ppb)	AL = 1300	300	ND	55/0				2021	NO	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
<b>Number of Schools Requesting Lead Sampling: 26</b>										
<b>Unregulated Contaminant Monitoring Rule (UCMR4) Results—Tests conducted in 2019 and 2020</b>										
Constituent	Human Health Advisory	PHG	Average	Range						Potential sources
Germanium	None	N/A	0.14	ND - 1.2						Naturally occurring metal
Manganese	Notification level 500 ug/L	300 ug/L	3.9	ND - 8.6						Naturally occurring metal
HAA6Br	None	N/A	0.62	ND - 1.5						Byproduct of drinking water chlorination
HAA9	None	N/A	18.3	13 - 23						Byproduct of drinking water chlorination


\*only detected constituents are reported



[roseville.ca.us/eu](http://roseville.ca.us/eu)

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## 2023 water quality report now available

*Updated May 02, 2024*

### Featured Stories





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Keep seasonal pests out of your home



Flashing yellow arrow signals help keep traffic moving

The team behind your water utility in Roseville consists of dedicated professionals who work tirelessly to ensure that every drop of water that flows into your home is safe, clean, and sustainable.

From the plant operators who manage our water treatment plant to the lab technicians who conduct rigorous testing, to the distribution workers who maintain the vast network of pipes, and the customer service representatives who are there to address any concerns or questions you may have, each member plays a crucial role in delivering high-quality water to your tap.

In 2023, all Roseville water supplied met and exceeded the stringent regulatory standards set by both state and federal governments. **To learn more about the quality of your drinking water, [download the latest water quality report](#).** This report provides comprehensive information about various aspects of your water supply.



Behind every drop: Celebrating Water Professionals Appreciation Week

## FAQs about Measure B

South Placer Traffic Relief

Frequently Asked Questions about Measure B - South Placer Traffic Relief



### City of Roseville

311 Vernon St.  
Roseville, California 95678

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