



2023 Annual Water Quality Report A Consumer Confidence Report



This report contains important information about your drinking water. (Este informe contiene información muy importante sobre su agua potable. Tranúzcalo ó hable can alguien que lo enteinda bien.)

The City purchases all water from (EID) This report summarizes the test results of water samples taken by EID and City staff as required by the U. S. Department of Environmental Protection and the State Water Resources Control Board Division of Drinking Water.

- ◆ *Drinking water*, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The term “contaminant” as used in this document refers to any substance in water, other than pure water itself that is regulated and monitored for health and aesthetic reasons. 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 (800-426-4791) or by visiting <http://www.epa.gov/safewater/>
- ◆ The State Water Resources Control Board, Division of Drinking Water requires water providers to conduct a source water assessment to help protect the quality of water supplies. The last updated assessments of EID’s drinking water sources were completed in 2023. Our source water is also considered most vulnerable to illegal activities, dumping, fertilizer, pesticide and herbicide application, forest activities, and wildfires, although constituents associated with these activities were not detected. Copies of the assessments are available online at www.eid.org or at the State Water Resources Control Board, Division of Drinking Water, Sacramento District Office, 1001 I Street, 17th Floor, Sacramento, CA 95814. To view them, contact Austin Peterson, Sacramento District Engineer, at 916-445- 5285, or Patrick Wilson, P.E., EID Drinking Water Operations Division Manager, at 530-642-4010."
- ◆ 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. 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 (800-426-4791).

In order to ensure that tap water is safe to drink, the U. S. Environmental Protection Agency (USEPA) and the State Water Resources Control Board Division of Drinking Water (DDW) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems.

Contaminants That May Be Present In Source Water ~

- ◆ **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 discharge, 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.

Please be aware that the City is not responsible for plumbing and treatment devices installed on private property. Substandard, illegal, old, improperly installed and/or improperly maintained plumbing or water treatment devices installed by others may adversely affect the water quality coming from the taps inside your home or business.

For more information about this report or to obtain additional copies, visit the city website at <https://www.cityofplacerville.org/> or call (530) 642-5232.

Abbreviations & Definitions used in this report:

- ◆ **MCL – Maximum Contaminant Level:** The highest level of 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:** Set by the USEPA, The level of a contaminant in drinking water below which there is no known or expected risk to health. State EPA goals are called PHG (Public Health Goals).
- ◆ **MRDL – Maximum Residual Disinfectant Level:** The level of a disinfectant added for water treatment that may not be exceeded at the consumer’s tap.
- ◆ **MRDLG – Maximum Residual Disinfectant Level Goal:** The level of a disinfectant added for water treatment below which there is no known or expected risk to health. MRDLGs are set by the U.S. Environmental Protection Agency.
- ◆ **ND:** Not detectable at testing limit.
- ◆ **NTU – Nephelometric Turbidity Unit:** A measure of the clarity of the water. Turbidity is a measure of the cloudiness of the water.
- ◆ **TT – Treatment Technique:** A required process intended to reduce the level of a contaminant in drinking water.

Source Water Quality - (El Dorado Irrigation District)

Primary Standards - Health Based (units)	Primary	MCL	PHG (MCLG)	Highest Single Measurement	Average	Level	MCL Violation?	Most Recent Sampling Date	Typical Source of Constituent
Turbidity									
Highest single measurement of the Treated Surface Water (NTU)	TT = 1.0		n/a	0.30	n/a		No	2023	Soil runoff
Lowest Monthly % of Treated Surface Water Meeting NTU Requirements	TT=95% of samples \leq 0.3 NTU		n/a	NA	100%		No	2023	Soil runoff
Secondary Standards - Aesthetic (units)	Secondary MCL		PHG (MCLG)	Range of Detection	Average	Level	MCL Violation?	Most Recent Sampling Date	Typical Source of Constituent
Chloride (mg/L)	500		n/a	4-5	4.0		No	2023	Runoff/leaching from natural deposits; seawater influence
Corrosivity (A.I.)	Non-corrosive		n/a	9.0-11.0	10.00		No	2022	Natural or industrially-influenced balance of hydrogen, carbon and oxygen in the water; affected by temperature and other factors
Odor-Threshold (units)	3		n/a	0-2	1		No	2023	Naturally-occurring organic materials
Specific Conductance (μ S/cm)	1600		n/a	51-69	51		No	2023	Substances that form ions when in water; seawater influence
Sulfate (mg/L)	500		n/a	0-2.0	1		No	2023	Runoff/leaching from natural deposits; industrial wastes
Total Dissolved Solids (mg/L)	1000		n/a	42-54	40		No	2023	Runoff/leaching from natural deposits
Turbidity (NTU)	5		n/a	0.14-0.26	0.41		No	2023	Soil Runoff
Other Parameters (units)	Notification Level		PHG (MCLG)	Range of Detection	Average	Level	MCL Violation?	Most Recent Sampling Date	Typical Source of Constituent
Alkalinity (mg/L)	Unregulated		n/a	15-27	20		n/a	2023	No Know Typical Source of Constituent
Bicarbonate (mg/L)	Unregulated		n/a	15-27	20		n/a	2023	
Calcium (mg/L)	Unregulated		n/a	4-6	4		n/a	2023	
Carbonate (mg/L)	Unregulated		n/a	0-11	4		n/a	2021	
Hardness as CaCO ₃ (mg/L)	Unregulated		n/a	12-19	15		n/a	2023	
Hardness as CaCO ₃ (grains/gal)	Unregulated		n/a	0.7-1.11	0.88		n/a	2023	
Magnesium (mg/L)	Unregulated		n/a	0.7-1.7	1.2		n/a	2023	
pH (pH units)	Unregulated		n/a	7.50-8.34	7.8		n/a	2023	
Sodium (mg/L)	Unregulated		n/a	3.9-6.0	4		n/a	2023	
Disinfection Byproduct Precursors (units)	Action	Level	PHG (MRDLG)	Range of Detection	Lowest 4- RAA Quarterly Average		MCL Violation?	Most Recent Sampling Date	Typical Source of Constituent
Total Organic Carbon [TOC] Filtered water (μ g/L)	TT= Removal		n/a	700-2100	n/a		n/a	2023	Various natural and manmade sources
Total Organic Carbon [TOC] Removal Ratio (Actual/Required)	TT \leq 1.0		n/a	n/a	1.00		No	2023	Various natural and manmade sources

City of Placerville Distribution System Water Quality - Main System

Microbiological Constituents (units)	Primary MCL	PHG (MCLG)	Value		MCL Violation?	Most Recent Sampling Date	Typical Source of Constituent
Total Coliform Bacteria > 12 Samples/Month (Present / Absent)	No more than 5% positive monthly sample	(0)	No samples were positive		No	2023	Naturally present in the environment
Disinfection Byproducts and Disinfectant Residuals (units)	Primary MCL (MRDL)	PHG (MRDLG)	Range of Detection	Highest Running Annual Average (RAA)	MCL Violation?	Most Recent Sampling Date	Typical Source of Constituent
Chlorine [as Cl ₂] (mg/L)	(4.0)	(4)	0.38-0.71	0.62	No	2023	Drinking water disinfectant added for treatment
HAA5 [Total of five Haloacetic Acids] (ug/L)	60	n/a	28.6-46.7	41	No	2023	Byproduct of drinking water disinfection
TTHMs [Total of four Trihalomethanes] (ug/L)	80	n/a	29-60	46	No	2023	Byproduct of drinking water disinfection
Inorganic Constituents (units)	Action Level	PHG (MCLG)	Sampe Data	90th % Level	MCL Violation?	Most Recent Sampling Date	Typical Source of Constituent
Copper (mg/L)[at the tap]	1.3	0.3	None of the 20 smaple sites collected exceeded the action level	0.16	No	2023	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead (ug/L)[at the tap]	15	2	None of the 20 smaple sites collected exceeded the action level	None Detected	No	2023	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Federal Unregulated Contaminant Monitoring Rule 5 (UCMR 5)	Primary MCL	PHG (MCLG)	Range of Detection	Average Level	MCL Violation?	Most Recent Sampling Date	Typical Source of Constituent
Perfluoropentanoic acid (PFPeA) (ug/L)	Unregulatred	N/A	0-0.003	0.000	N/A	2023	PFAS are a group of synthetic chemicals used in a wide range of consumer products and industrial appliactions including: non stick cookware, water repelant clothing, stain resistant fabrics and carpets, cosmetics, firefighting foam, electroplating, and productts that resiste grease, water, and oil.