

## TERMS USED IN THIS REPORT

**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) or Public Health Goal (PHG):** The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the USEPA. PHGs are set by the California 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, reporting and water treatment requirements.

**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.

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

**Regulatory Action Level (AL):** The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

**Variations and Exemptions:** Department permission to exceed an MCL or not comply with a treatment technique under certain conditions.

**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 *E. coli* MDL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.

**ND:** not detectable at testing limit

**ppm:** parts per million or milligrams per liter (mg/L)

**ppb:** parts per billion or micrograms per liter (ug/L)

**ppt:** parts per trillion or nanograms per liter (ng/L)

**ppq:** parts per quadrillion or picograms per liter (pg/L)

**pCi/L:** picocuries per liter (a measure of radiation)

For questions or concerns about your drinking water you may attend our meetings held the 2<sup>nd</sup> Wednesday of the month or you may contact:

**Tim Heck at 530-275-3002**

# 2025 Consumer Confidence Report Mountain Gate Community Services District

Here at Mountain Gate CSD, we want you to understand the efforts we make to provide you with a safe and dependable drinking water supply. We continually monitor our drinking water quality and strive to protect our water resources. We regularly test our drinking water for many different constituents as required by State and Federal Regulations. This "Water Quality Report" includes those constituents that were **detected** in 2025 and may include earlier monitoring data.

Our drinking water is supplied by a **surface water source (Shasta Lake Intake)** and **three groundwater wells (Bass Wells 01A, 02, & 03)**. Wells 01A and 02 draw from the same aquifer and are monitored as a single source.

In 2025, utilizing a grant award, all three wells were rehabilitated and updated with new pumps, wiring, and piping.

The wells were evaluated by the county in May 2002, to determine if there were possible contaminating activities that might compromise the quality of the water. At the time, there were no contaminants detected in the water supply, however the sources were still considered vulnerable to a high density of septic systems (more than 1 per acre) and chemical and petroleum processing and storage in the vicinity. As of January, 2003, Shasta Lake Intake was considered vulnerable to contaminants from water treatment processes and natural deposits. Copies of the reports are available from our office upon request.

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 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 byproducts of industrial processes and petroleum production, and can also come from gas stations, urban storm water 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.

In order to ensure that tap water is safe to drink, the USEPA and the State Water Resources Control 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.

Please note that 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. US 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).

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 Mountain Gate CSD. 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>.

For information on the system's Lead Line Inventory reach out to the system contact below, or go to: [https://www.waterboards.ca.gov/drinking\\_water/certific/drinkingwater/lead-copper-rule/service-line-data.html](https://www.waterboards.ca.gov/drinking_water/certific/drinkingwater/lead-copper-rule/service-line-data.html)

*Este informe contiene información muy importante sobre su agua para beber. Favor de comunicarse Mountain Gate CSD a 530-275-3002 para asistirlo en español*

These tables list all of the drinking water contaminants that were **detected** during the most recent sampling for each 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, MFDL, or TT is asterisked and explained below.

**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>	(in the year) 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	No. of samples collected	90th percentile level detected	Range of Detections	No. sites exceeding AL	AL	PHG	Typical Source of Contaminant
Lead (ppb)	10	3	0 - 17*	1	15	0.2	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
09/24/2024							

\*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. Mountain Gate CSD 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.

Copper (ppm)	10	0.111	0.002 - 0.123	None	1.3	0.3	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
09/24/2024							

**TABLE 3 - SAMPLING RESULTS FOR SODIUM AND HARDNESS**

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminant
Sodium (ppm)	2020 Shasta - 8.0, 2022 Well 01A - 4.6, 2020 Well 03 - 7.2	None	None	None	None	Salt present in the water and is generally naturally occurring
Hardness (ppm)	2020 Shasta - 50, 2022 Well 01A - 145, 2020 Well 03 - 218	None	None	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 (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL (MRDL)	PHG (MCLG)	Typical Source of Contaminant
Nitrate	2025	1.95	0.14 - 3.64	10	10	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Chromium (hexavalent) (ppb)	2025	1.98	0.32 - 1.1	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.
Halooacetic acids - HAAs (ppb)	09/22/25	21		60	N/A	Byproduct of drinking water disinfection
Total Trihalomethanes - TTHM (ppb)	09/22/25	35		80	N/A	Byproduct of drinking water disinfection
Barium (ppm)	2022 Well 01A - 0.01 2021 Well 03 - 0.01			1	2	Discharges of oil drilling wastes and from metal refineries; erosion of natural deposits
Lead (ppb)	2022 Well 01 - 0.5			AL=15	0.2	Corrosion of household plumbing systems; Erosion of natural deposits
Radium -228 (pCi/L)	2017	0.44	0.34 - 0.55	5	0.019	Erosion of natural deposits

**TABLE 5 - DETECTION OF CONTAMINANTS WITH A SECONDARY DRINKING WATER STANDARD**

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	SMCL	PHG (MCLG)	Typical Source of Contaminant
Total Dissolved Solids (ppm)	2020 Shasta - 97, 2022 Well 01A - 198, 2020 Well 03 - 315			1000	None	Runoff/leaching from natural deposits
Chloride (ppm)	2020 Shasta - 2.2, 2022 Well 01A - 3.3, 2020 Well 03 - 6.2			500	None	Runoff/leaching from natural deposits; seawater influence
Copper (ppm)	2022 Well 01 - 0.005			1.0	None	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Aluminum (ppb)	2021 Well 03 - 10.0			200	None	Erosion of natural deposits; residual from some surface water treatment processes
Iron (ppb)	2020 Well 03 - 146			300	None	Leaching from natural deposits; industrial wastes
Specific Conductance (µS/cm)	2020 Shasta - 137, 2022 Well 01A - 299, 2020 Well 03 - 463			1600	None	Substances that form ions when in water; seawater influence
Sulfate (ppm)	2020 Shasta - 3.4, 2020 Well 01A - 24.1, 2020 Well 03 - 70.4			500	None	Runoff/leaching from natural deposits; industrial wastes
Odor (Units)	2022 Well 01 - 1			3	None	Naturally-occurring organic materials
Zinc (ppm)	2022 Well 01 - 0.01			5.0	None	Runoff/leaching from natural deposits; industrial wastes

There are no PHGs, MCLGs, or mandatory standard health effects language for these constituents because secondary MCLs are set on the basis of aesthetics.

**TABLE 6 - DETECTION OF UNREGULATED CONTAMINANTS**

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	Notification Level	PHG (MCLG)	Health Effects Language
Perfluorooctanesulfonic acid (PFOS) (ppb)	08/18/25	2.5		6.5**		Perfluorooctanesulfonic acid exposures resulted in immune suppression and cancer in laboratory animals.
Perfluorooctanoic acid (PFOA) (ppb)	08/18/25	2.1		5.1**		Perfluorooctanoic acid exposures resulted in increased liver weight and cancer in laboratory animals.

\*\* The July 2018 notification levels for PFOA of 14 ng/L and for PFOS of 13 ng/L were superseded on August 22, 2019, with new notification levels 5.1 ng/L for PFOA and 6.5 ng/L for PFOS.

**Table 10 - SAMPLING RESULTS SHOWING TREATMENT OF SURFACE WATER SOURCES**

Treatment Technique (a) (Type of approved filtration technology used)	Turbidity of the filtered water must:
Direct filtration	1 - Be less than or equal to 0.3 NTU in 95% of measurements in a month. 2 - Not exceed 1.0 NTU for more than eight consecutive hours. 3 - Not exceed 1 NTU for more than one continuous hour. 4 - Not exceed 1 NTU at four-hour intervals.
Turbidity Performance Standards (that must be met through the water treatment process) Turbidity (measured in NTU) is a measurement of the cloudiness of water and is a good indicator of water quality and filtration performance. Turbidity results which meet performance standards are considered to be in compliance with filtration requirements. Lowest monthly percentage of samples that met Turbidity Performance Standard No. 1.	100%
Highest single turbidity measurement during the year	0.110 NTU
Number of violations of any surface water treatment requirements	None

(a) A required process intended to reduce the level of a contaminant in drinking water.