

# Camano Vista Water District Water Quality Report 2022

## Consumer Confidence Report for the Year 2022

We're pleased to present to you the 2022 Annual Water Quality Report. This report is designed to inform you about the quality of the water that was provided last year. Included are details about where your water comes from, what it contains, and how it compares to Federal and State standards. We believe the information provides a valuable service to our customers.

Your drinking water is highly regulated by Federal and State agencies and is tested regularly. Keeping pace with increased water testing and increasingly stringent standards is a challenge but one that Camano Vista Water District strongly supports. Our constant goal is to provide you with a safe source of drinking water.

## Who We Are...

Camano Vista Water District is a public utility serving 197 residents. The District is governed by three elected officials working with Water & Wastewater Services, a certified water manager, to supply you with quality water. Any member of this water utility is welcome to attend our regularly scheduled meeting the 2<sup>nd</sup> Wednesday of every month at 6:00 pm, which is held at 3093 Galena Drive. If you have any questions or concerns regarding this water utility, your water, or this report we will be happy to answer them at 360-387-7714. **In case of emergency, please call Water & Wastewater Services, our water system manager, at 1-800-895-8821 or after regular hours at 1-360-630-0970.**

Camano Vista Water District's water source consists of 8 wells, ranging in depths from 197 to 280 feet. Six of the wells are below sea level. The wells supply two above ground concrete storage reservoirs with a combined capacity of 85,000 gallons. The distribution system consists of 15,700 feet of 2 to 6-inch pipe. All water services are metered.

## Presence of Contaminants in 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 Environmental Protection Agency's (EPA) Safe Drinking Water Hotline (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.

Contaminants that may be present in source water include:

- Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations and wildlife.
- Inorganic contaminants, such as salts and metals, which 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, which may come from a variety of sources such as agriculture and residential uses.
- Radioactive contaminants, which are naturally occurring.
- Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems.

In order to ensure that tap water is safe to drink, Federal and State regulations limit the amount of certain contaminants in water provided by public water systems. We treat our water according to these regulations.

## Presence of Contaminants Continued....

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. EPA/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).

### Water Quality Data

The table below lists all the drinking water contaminants that we detected during the 2022 calendar year. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. Unless otherwise noted, the data presented in this table is from testing done January 1 through December 31, 2022. The state requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. Some of the data, though representative of the water quality, is more than one year old.

#### Terminology

**MCLG (Maximum Contaminant Level Goal):** the level of a contaminant allowed in drinking water below which there is no known or expected risk to health. MCLG's allow for a margin of safety.

**MCL (Maximum Contaminant Level):** the highest level of a contaminant that is allowed in drinking water. MCL's are set as close to the MCLG's as feasible using the best available treatment technology.

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

**ND (Not Detected)**

**ppm (parts per million or milligrams per liter (mg/L)):** about the same as ½ an aspirin tablet dissolved in a bathtub full (50 gallons of water)

**ppb (parts per billion or micrograms per liter):** about the same as 1 dissolved aspirin tablet in a 100,000 gallon swimming pool.

Inorganic Contaminants	MCL	MCLG	Camano Vista Water	Range of Detections	Sample Date	Violation	Typical Sources of Contaminant
Arsenic (mg/L)	0.0104	0	S02 0.0052	0.0052	2022	NO	Erosion of natural deposits; runoff from orchards
Arsenic (mg/L)	0.0104	0	S05 0.0052	0.0052	2022	NO	Erosion of natural deposits; runoff from orchards
Manganese (mg/L)	0.0500	0	0.0435	0.0256-0.0614	2022	**	Erosion of nature deposits
Nitrate (ppm)	10	10	1.38	ND-2.66	2022	NO	Runoff from fertilizer use.
Chloride (ppm)	250	250	S01 127.0	84.9-170.0	2022	NO	Naturally occurring; can indicate possible saltwater intrusion
Chloride (ppm)	250	250	S02 74.5	72.7-76.3	2022	NO	Naturally occurring; can indicate possible saltwater intrusion
Chloride (ppm)	250	250	S03 33.4	28.2-38.6	2022	NO	Naturally occurring; can indicate possible saltwater intrusion
Chloride (ppm)	250	250	S05 151.5	93.9-209.0	2022	NO	Naturally occurring; can indicate possible saltwater intrusion
Chloride (ppm)	250	250	S06 110.7	68.4-153.0	2022	NO	Naturally occurring; can indicate possible saltwater intrusion
Chloride (ppm)	250	250	S08 19.9	19.3-20.4	2022	NO	Naturally occurring; can indicate possible saltwater intrusion
Chloride (ppm)	250	250	S09 27.6	26.3-28.9	2022	NO	Naturally occurring; can indicate possible saltwater intrusion
Electrical Conductivity	700	700	S01 439.7	54.3-825.0	2022	NO	Naturally occurring; can indicate possible saltwater intrusion
Electrical Conductivity	700	700	S02 507.0	505.0-509.0	2022	NO	Naturally occurring; can indicate possible saltwater intrusion
Electrical Conductivity	700	700	S03 369.0	355.0-383.0	2022	NO	Naturally occurring; can indicate possible saltwater intrusion
Electrical Conductivity	700	700	S05 781.0	614.0-948.0	2022	NO	Naturally occurring; can indicate possible saltwater intrusion
Electrical Conductivity	700	700	S06 655.0	510.0-799.0	2022	NO	Naturally occurring; can indicate possible saltwater intrusion
Electrical Conductivity	700	700	S08 429.0	423.0-435.0	2022	NO	Naturally occurring; can indicate possible saltwater intrusion

Electrical Conductivity	700	700	S09 459.0	457.0-460.0	2022	NO	Naturally occurring; can indicate possible saltwater intrusion
<b>Lead &amp; Copper</b>	<b>MCL</b>	<b>MCLG</b>	<b>Camano Vista 90<sup>th</sup> Percentile</b>	<b>Total # of Samples / # Exceeding AL</b>	<b>Sample Date</b>	<b>Violation</b>	<b>Typical Sources of Contaminant</b>
Lead (ppb)	15	0	0.0010	5 / 0	2022	NO	Corrosion of household plumbing systems.
Copper (ppm)	1.3	1.3	0.031	5 / 0	2022	NO	Corrosion of household plumbing systems.
<b>Disinfection Byproducts</b>	<b>MRDL</b>	<b>MRDLG</b>	<b>Average Level Detected</b>	<b>Range of Level Detected</b>	<b>Sample Date</b>	<b>Violation</b>	<b>Typical Sources of Contaminant</b>
Chlorine (ppm)	4.0 (MRDL)	4 (MRDLG)	0.77	0.02-1.69	2022	NO	Water additive to control microbes
<b>Disinfection Byproducts</b>	<b>MCL</b>	<b>MCLG</b>	<b>Camano Vista Water</b>	<b>Range of Detections</b>	<b>Sample Date</b>	<b>Violation</b>	<b>Typical Sources of Contaminant</b>
Total Trihalomethanes (ppb)	80	N/A	39.1	39.1	2022	NO	By-product of drinking water chlorination
Haloacetic Acids (ppb)	60	0	6.5	6.5	2022	NO	By-product of drinking water chlorination.
<b>Radioactive Contaminants</b>	<b>MCL</b>	<b>MCLG</b>	<b>Camano Vista Water</b>	<b>Range of Detections</b>	<b>Sample Date</b>	<b>Violation</b>	<b>Typical Source of Contamination</b>
Gross Alpha (pCi/l)	15	0	ND	ND	2021	NO	Erosion of natural deposits
Gross Beta (pCi/l)	50	0	ND	ND	2021	NO	Decay of natural and man-made deposits
Radium 228	5	0	ND	ND	2021	NO	Erosion of natural deposits
<b>Microbiological Contaminants</b>	<b>MCL</b>	<b>MCLG</b>	<b>Camano Vista Water</b>	<b>Exceeding AL</b>	<b>Sample Date</b>	<b>Violation</b>	<b>Typical Source of Contaminant</b>
Total Coliform Bacteria	0	0	ABSENT	ABSENT	2022	NO	Naturally present in the environment

**Additional Information for Lead in Drinking Water:** If present, elevated levels of 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. Camano Vista Water District 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 <http://www.epa.gov/safewater/lead>.

**Additional Information for Arsenic:** While your drinking water meets current standards for arsenic, it does contain low levels of arsenic. Government standards balance the current understanding of arsenic's possible health effects against the cost of removing arsenic from drinking water. Federal and State agencies continue 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.

**\*\*Additional Information for Manganese and Chloride:** The EPA has not established action levels for Secondary Inorganic Contaminants (SMCLs.) SMCLs are established as guidelines to assist public water systems in managing their drinking water for aesthetic considerations, such as taste, color, and odor. Manganese occurs naturally in both surface and ground waters that come into contact with manganese-bearing soils. If you notice water odors or staining in your water that doesn't clear after a few minutes of flushing all your cold water faucets and toilets, wait about an hour and try again. If it still isn't clear, contact your water utility. Camano Vista is assessing the manganese levels in our water in consultation with WWS and the Washington State Dept. of Health.

**Additional Information on Coliform Monitoring:** Every month our system is tested for Fecal Coliform Bacteria, all water samples came back from the lab with a good report. We are proud that your drinking water meets or exceeds all Federal and State requirements.

### Additional Information

**Why does the taste and odor of my water sometimes differ?** Water naturally varies in taste and odor at different times of the year. Taste and odor problems can also come from new or old pipelines, plumbing fixtures or changes in water quality. Customers may notice changes during severe winter storms, when reservoirs are low, or during hot weather. Water & Wastewater Services closely monitors such changes to ensure they do not affect the safety of the water.

**Security – We all need to be careful!** While Washington State's Division of Drinking Water has never been lax regarding this issue, they have implemented more stringent guidelines to be sure that all that can be done is being done to protect your quality water. Four

topics being focused on are 1) Emergency Response, 2) Sanitary Surveys, 3) Operator Certifications, and 4) Enforcement. The Camano Vista Water District wholly supports the DOH in these efforts and continues to do all that can be done to maintain good quality water.

**IMPORTANT WATER CONSERVATION TIPS:**

**Bathroom:**

- Check toilets for leaks. Drop food coloring or a leak-detection tablet in the toilet tank. If color appears in the bowl, there is a leak that requires immediate attention.
- Reduce the water level per flush by installing a water displacement device in the toilet tank. A plastic bottle, weighted with water or sand works well. Never use a brick.
- Install water-saving showerheads or flow restrictors, which are available at local hardware stores and other retail outlets.
- Check faucets and pipes for leaks. A small drip from a worn washer can waste 20 or more gallons a day. Larger leaks waste even more.

**Kitchen & Laundry:**

- Turn the dishwasher and washing machines on only when full.
- Buy and install a faucet aerator.

**Lawn & Garden:**

- Water only when needed. Frequency depends on the type of plants and soil conditions.
- Water the lawn in the evening when evaporation is less likely to occur. Avoid watering during the heat of the day or when windy. Use a broom, not a hose when cleaning driveways and walkways.