

# **Swinomish**

## **2022 Water Quality Report**

### **Is my water safe?**

We are pleased to present this year's Annual Water Quality Report (Consumer Confidence Report) as required by the Safe Drinking Water Act (SDWA). This report is designed to provide details about where your water comes from, what it contains, and how it compares to standards set by regulatory agencies. This report is a snapshot of last year's water quality. We are committed to providing you with information because informed customers are our best allies.

### **Do I need to take special precautions?**

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/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 Water Drinking Hotline (800-426-4791).

### **Where does my water come from?**

The Swinomish Utility Authority Water System is supplied by the City of Anacortes (PWS # WA5302200) under a long-term contract. The Tribe also has two separate groundwater wells which can be used in the event of an emergency. Anacortes treats surface water from the Skagit River near Mount Vernon, WA.

### **Source water assessment and its availability**

Request this information from City of Anacortes water utility.

### **Why are there contaminants in my 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: 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, which 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, which 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, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems; and radioactive contaminants, which 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, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

### **How can I get involved?**

Contact you water utility.

### **Water Conservation Tips**

Did you know that the average U.S. household uses approximately 400 gallons of water per day or 100 gallons per person per day? Luckily, there are many low-cost and no-cost ways to conserve water. Small changes can make a big difference - try one today and soon it will become second nature.

- Take short showers - a 5-minute shower uses 4 to 5 gallons of water compared to up to 50 gallons for a bath.
- Shut off water while brushing your teeth, washing your hair and shaving and save up to 500 gallons a month.
- Use a water-efficient showerhead. They're inexpensive, easy to install, and can save you up to 750 gallons a month.
- Run your clothes washer and dishwasher only when they are full. You can save up to 1,000 gallons a month.
- Water plants only when necessary.

- Fix leaky toilets and faucets. Faucet washers are inexpensive and take only a few minutes to replace. To check your toilet for a leak, place a few drops of food coloring in the tank and wait. If it seeps into the toilet bowl without flushing, you have a leak. Fixing it or replacing it with a new, more efficient model can save up to 1,000 gallons a month.
- Adjust sprinklers so only your lawn is watered. Apply water only as fast as the soil can absorb it and during the cooler parts of the day to reduce evaporation.
- Teach your kids about water conservation to ensure a future generation that uses water wisely. Make it a family effort to reduce next month's water bill!
- Visit [www.epa.gov/watersense](http://www.epa.gov/watersense) for more information.

### **Cross Connection Control Survey**

The purpose of this survey is to determine whether a cross-connection may exist at your home or business. A cross connection is an unprotected or improper connection to a public water distribution system that may cause contamination or pollution to enter the system. We are responsible for enforcing cross-connection control regulations and ensuring that no contaminants can, under any flow conditions, enter the distribution system. If you have any of the devices listed below, please contact us so that we can discuss the issue, and if needed, survey your connection and assist you in isolating it if that is necessary.

- Boiler/ Radiant heater (water heaters not included)
- Underground lawn sprinkler system
- Pool or hot tub (whirlpool tubs not included)
- Additional source(s) of water on the property
- Decorative pond
- Watering trough

### **Source Water Protection Tips**

Protection of drinking water is everyone's responsibility. You can help protect your community's drinking water source in several ways:

- Eliminate excess use of lawn and garden fertilizers and pesticides - they contain hazardous chemicals that can reach your drinking water source.
- Pick up after your pets.

- If you have your own septic system, properly maintain your system to reduce leaching to water sources or consider connecting to a public water system.
- Dispose of chemicals properly; take used motor oil to a recycling center.
- Volunteer in your community. Find a watershed or wellhead protection organization in your community and volunteer to help. If there are no active groups, consider starting one. Use EPA's Adopt Your Watershed to locate groups in your community or visit the Watershed Information Network's How to Start a Watershed Team.
- Organize a storm drain stenciling project with your local government or water supplier. Stencil a message next to the street drain reminding people "Dump No Waste - Drains to River" or "Protect Your Water." Produce and distribute a flyer for households to remind residents that storm drains dump directly into your local water body.

### **Other Information**

See attached City of Anacortes Annual 2022 Water Quality Report for description of the quality of water supplied to our community.

### **Additional Information for Lead**

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. Kalispel Community 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>.

**For more information please contact:**

Mike Poppe  
Field Operations Manager  
P.O. Box 340  
La Conner, WA 98257  
Phone: 360-466-7223  
[mpoppe@swinomish.nsn.us](mailto:mpoppe@swinomish.nsn.us)

## Water Quality Data Table

In order to ensure that tap water is safe to drink, EPA sets regulations to limit contaminants in water provided by public water systems. The table below lists all contaminants that were detected during 2019. Although many more contaminants were tested, only those substances listed below were found in your water.

All sources of drinking water contain some naturally occurring contaminants. At low levels, these substances are generally not harmful in our drinking water. Removing all contaminants would be extremely expensive, and in most cases, would not provide increased protection of public health. A few naturally occurring minerals may improve the taste of drinking water and have nutritional value.

The EPA or the State requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not vary significantly from year to year, or the system is not considered vulnerable to this contamination. As such, some of our data, though representative, may be more than one year old. Please see definitions in the table below.

Unit Descriptions	
Term	Definition
ug/L	Micrograms per liter
Important Drinking Water Definitions	
Term	Definition
MCL	MCL: Maximum Contaminant Level: The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.
TT	TT: Treatment Technique: A required process intended to reduce the level of a contaminant in drinking water.
AL	AL: Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

### Regulated Contaminants Detected

CONTAMINANT	SAMPLE DATE	RESULT or RANGE	ACTION LEVEL	UNITS	VIOLATION	CONTAMINANT DESCRIPTION
COPPER	2020	0.175 (90 <sup>th</sup> Percentile)	1.3	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
CONTAMINANT	SAMPLE DATE	RESULT or RANGE	MCL	UNITS	VIOLATION	CONTAMINANT DESCRIPTION
Haloacetic Acids (HAA5)	2022	6.1-6.1	60	ppb	N	By-product of drinking water disinfection.
Total Trihalomethanes (TTHM)	2022	16.9-16.9	80	ppb	N	By-product of drinking water disinfection.
Nitrate [measured as Nitrogen]	2022	0.11	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.

### 2022 Violations

No violations.

## City of Anacortes 2022 Water Quality Monitoring Results

Compounds and Units	EPA Regulations		Anacortes Water		Violation	Typical Source of Contamination
	Ideal Level/ Goal (MCLG)	Maximum Allowable (MCL)	Average Level Detected	Range of Detections		
<b>FINISHED WATER</b>						
Total Organic Carbon (ppm)	N/A	TT	0.47	0.38-0.51	NONE	Naturally present in the environment
Nitrate (ppm)	10	10	0.10	N/D-0.10	NONE	Erosion of natural deposits, animal waste
Total Coliform Bacteria (% positive)	0	5% positive per month	0%	N/D	NONE	Naturally present in the environment
Chlorine (ppm)	4.0 (MRDLG)	4.0 (MRDL)	1.23	1.03-1.36	NONE	Added as a drinking water disinfectant
Haloacetic Acids 5 (ppb)	N/A	60	14.5	8.2-20.9	NONE	By-product of drinking water chlorination
Total Trihalomethanes (ppb)	N/A	80	13.9	9.2-21.7	NONE	By-product of drinking water chlorination
Sodium (ppm)	N/A	N/A	3.9	3.9-4.0	NONE	Naturally occurring, road salts, water softeners, animal waste
Barium (ppm)	2	2	0.0087	0.0076-0.0094	NONE	Discharge of drilling waste, metal refineries discharge, erosion of natural deposits
Fluoride (ppm)	4	4	0.67	0.12-1.12	NONE	Erosion of natural deposits, water additive which promote strong teeth, discharge from fertilizer and aluminum factories
Turbidity* (NTU)	N/A	TT	0.018	0.013-0.041	NONE	Soil runoff

## Lead and Copper

Compounds and Units	EPA Regulations		Anacortes Water Results		Date of Sample	Typical Source of Contamination
	MCLG	Action Level (AL)	90th Percentile Level	Homes Exceeding Action Level		
Lead (ppb)	0	0.015	N/D	0 out of 34	2022	Corrosion of household plumbing systems, erosion of natural deposits
Copper (ppm)	1.3	1.3	0.0647	0 out of 34	2022	Corrosion of household plumbing system, erosion of natural deposits, leaching from wood preservatives