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# 2023 Water Quality Report

## Shore Hill Water

PWS ID 78650 T

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H2O Management Services is pleased to present this year's Water Quality Report. This report is designed to inform you about the quality water you receive and the services we deliver to you every day.

The Shore Hill Water System has contracted with H2O Management Services since March 2022 to provide professional management and operation of the system by qualified personnel. You will see H2O in and about the community as we perform routine preventative maintenance and repairs. Thank you for giving us the opportunity to serve your community.

### Where does my water come from?

Shore Hill water comes from one permanent ground water well. The well has a depth of 303 ft. with a capacity to pump 40 gallons of water per min to the 21 permanent family residences.

### 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, may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife. **Inorganic contaminants**, such as salts and metals, 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** 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, are by-products of industrial

processes and petroleum production, and can also come from gas stations, urban storm water runoff, 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 Washington State Department of Health and the U. S. Environmental Protection Agency prescribe regulations which limit the amount of certain contaminants in water provided by public water systems. The Food and Drug Administration (FDA) and the Washington State Department of Agriculture regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

### Do I need to take special precautions?

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised people such as people with cancer undergoing chemotherapy, people 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).

### Variances and Exemptions (Waivers)

An assessment of the Shore Hill System's water was done by the Department of Health to determine the susceptibility of your source to contaminants. This is important because the assessment determined that the susceptibility of your water to contaminants is moderate.

The Shore Hill System is tested monthly for bacteria. Nitrate testing is completed on a yearly basis. Lead and Copper testing is completed on a three-year cycle.

### Source protection information

Source Water Assessment Program (SWAP) data is available for all community PWSs in Washington. SWAP data for your PWS is online at: <https://fortress.wa.gov/doh/eh/dw/swap/maps/> If you don't have access to the Web, we encourage you to use the Internet service available through the public library system.

## Water Quality Data Table

The table below lists the drinking water contaminants that have been detected during the calendar year January 1 - December 31, 2023. The presence of 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 in the calendar year of the report. The EPA or 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.

	MCL	MCLG or AL:	Your Water	# Samples Exceeding MCL/AL	Sample Date	Violation or Exceeds AL	Typical Source
<b>Inorganic Contaminants</b>							
<b>Nitrate</b> (measured as Nitrogen) (ppm)	10	10	<0.5	NA	6-20-2023	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
<b>Copper</b> – action level at consumer taps (ppm) 90 <sup>th</sup> Percentile Results	1.3	1.3	.02	0 of 5	9-29-2020	No	Corrosion of household plumbing systems; Erosion of natural deposits
<b>Lead</b> – action level at consumer taps (ppb) 90 <sup>th</sup> Percentile Results	NA	15	.0030	0 of 5	9-29-2020	No	Corrosion of household plumbing systems; Erosion of natural deposits

**Volatile Organic Compounds Testing was completed in June 2023. All compounds tested were in compliance with state requirements.**

### Unit Descriptions

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

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

**NA:** Not Applicable

### Important Drinking Water Definitions

**MCL:** Maximum Contaminant Level: The highest level of a contaminant that is allowed in drinking water. MCLs are set as close as feasible using the best available treatment technology

**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 allow for a margin of safety.

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

**Variances and Exemptions:** State or EPA permission not to meet an MCL or a treatment technique under certain conditions.

**Lead & Copper 90<sup>th</sup> Percentile** (90<sup>th</sup> %): Out of every 10 homes sampled, 9 were at or below this level.

### About Lead in Drinking Water

If present, elevated levels of lead can cause serious health problems especially for pregnant women and young children. If lead is present in drinking water, the primary source is from materials and components associated with service lines and home plumbing. Shore Hill Water is responsible for providing high quality drinking water, but cannot control the variety of materials that are 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 EPA's standard for arsenic it does contain a very low level of arsenic. EPA's standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. EPA continues 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.

### **What is PFAS in water?**

Per- and poly fluoroalkyl substances (PFAS) are chemicals produced in the United States since the 1940s. They are used for applications ranging from firefighting to stain and water proofing of consumer products such as carpets, clothing and food packaging.

Group-A Community water systems are required to monitor for PFAS beginning January 2023 through December 2025. Each water system's Water Quality Monitoring Schedule lists the PFAS monitoring requirement starting in 2023. [PFAS Monitoring and Follow Up Actions 331-668](#) outlines the monitoring requirements in the revised rule. Systems must collect samples at the entry point to the distribution system and have them analyzed by EPA Method 537.1 or 533 by a lab accredited for these analytes in Washington State. H2O Management Services is now working on scheduling tests for the water systems we manage.

**The Environmental Protection Agency has instituted a nationwide survey of all water systems to determine lead in domestic service lines nationwide. This survey is specific to houses built before 1988. The survey must be completed by October 2024. This procedure requires creating a representative sample of all connections. This involves excavation of the meter connection and taking a photo of lines going to the house and from the mainline to the meter. After that has been completed, the documentation must be sent to EPA and the Washington State Dept. of Health. H2O Management Services is now preparing a representative sample for one water system to determine the time and cost involved in creating the representative sample. We are estimating that a system of 200 connections costs between \$500 - \$600. Larger systems will cost more and smaller systems less. This charge does not include excavation, labor, taking pictures, backfill, filing documentations, etc. that will be completed by a third party. Excavation will be done on a time based cost. Look for the Lead Service Line Inventory form from the Dept. of Health.**

### **Water Conservation Tips**

Did you know that the average US 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 and soon it will become second nature.

#### **Car Washing**

- Use a shut-off nozzle on your hose that can be adjusted down to a fine spray, so that water flows only as needed. Check hose connectors to make sure plastic or rubber washers are in place to prevent leaks.
- Consider using a commercial car wash that recycles water.
- If possible, wash your car on the lawn, and you'll water your lawn at the same time.

#### **Lawn Care**

- More than 50 percent of residential irrigation water is lost due to evaporation, runoff, over watering, or improper system design/installation/maintenance.
- Don't over water your lawn. Lawns only need 1 inch of water per week. Buy a rain gauge so that you can better determine when to water.
- Water the lawn or garden early in the morning during the coolest part of the day. Consider installing an automatic timer. Don't forget to adjust your watering schedule, as days get longer or shorter.
- Raise your lawn mower cutting height—longer grass blades help shade each other, reduce evaporation, and inhibit weed growth.
- Use a broom or blower instead of a hose to clean leaves and other debris from your driveway or sidewalk.
- Don't leave sprinklers or hoses unattended. Set a kitchen timer when watering your lawn or garden to remind you when to stop. A running hose can discharge up to 10 gallons a minute.
- Adjust sprinklers so only your lawn is watered and not the house, sidewalk, or street.
- To water sloping lawns, apply water for 5 minutes and then repeat 2-3 times.
- If water runs off your lawn easily, split your watering time into shorter periods to allow for better absorption.

- Don't water your lawn on windy days when most of the water blows away or evaporates.
- Use sprinklers for larger areas of grass. Water small patches by hand to avoid waste.
- Let your lawn go dormant during the summer. Dormant grass only needs to be watered every 3 weeks or less if it rains.

***Our website is [h2omanagementservicesinc.com](http://h2omanagementservicesinc.com)  
Look for CCR Reports the first of July each year  
When typing the URL be sure to use the letter "o" and not the number zero***

**If you have any questions about this report or concerning your water utility, please contact:  
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