



2022 Annual Water Quality Report



Bishop Paiute Tribe:
Public Works Department



Bishop Paiute-Shoshone Tribe Annual Water Quality Report

Public Water System #090600122

2022

This report is a snapshot of your water quality. Included are details about where your water comes from, what it contains, and how it compares to standards set by regulatory agencies. 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. The Environmental Protection Agency (EPA) and 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?

Your water comes from 6 ground water sources.

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 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 including:

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.

WATER QUALITY TABLE

The table below lists all of the drinking water contaminants detected during the calendar year of this report. 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 monitoring for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently.

Contaminants	MRDLG	MRDL	Your Water	Range		Sample Date	MRDL Exceeded	Typical Source
				Low	High			

Disinfectants

Chlorine Units: Chlorine residual, ppm	4	4	0.1365	0.02	0.19	2022	No	Drinking water additive used for disinfection
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Contaminants	MCLG	MCL	Your Water	Range		Sample Date	Violation	Typical Source
				Low	High			

Disinfection By-Products

Total Trihalomethanes (TTHMs) Units: ppb	N/A	80	1.7	N/A	N/A	2022	No	By-product of drinking water chlorination
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Contaminants	MCLG	MCL	Your Water	Range		Sample Date	Violation	Typical Source
				Low	High			

Inorganic Contaminants

Arsenic Units: ppb	0	10	4	ND	4	2019	No	Erosion of natural deposits; runoff from orchards; glass and electronics production wastes
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Nitrate [reported as Nitrogen] Units: ppm	10	10	0.8	ND	0.8	2022	No	Runoff and leaching from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
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Sodium Units: ppm	N/A	N/A	14	6	14	2019	No	Erosion of natural deposits; salt water intrusion
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Contaminants	MCLG	Action Level	Your Water	Range	Sample Date	A.L. Exceeded	Typical Source
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Lead and Copper Rule

Copper Units: ppm - 90th Percentile	1.3	1.3	0.022	0 sites over Action Level	2019	No	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
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Contaminants	MCLG	MCL	Your Water	Range Low High	Sample Date	Violation	Typical Source
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Radiological Contaminants

Adjusted Alpha (Excl. Radon & U) Units: pCi/L	0	15	3	ND 3	2019	No	Erosion of natural deposits
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Uranium (combined) Units: ppb	0	30	3	ND 3	2019	No	Erosion of natural deposits
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Special Education Statements

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. PWS system 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 at 1-800-426-4791 or at <http://www.epa.gov/your-drinking-water/basic-information-about-lead-drinking-water>.

Micr obiological Testing

We are required to test your water regularly for signs of microbial contamination. Positive test results could lead to follow-up investigations called assessments and potentially the issuance of public health advisories. Assessments could lead to required corrective actions. The information below summarizes the results of those tests.

Calendar Year	Sampling Requirements	Sampling Conducted (months)	Total E.coli Positive	Assessment Triggers	Assessments Conducted
2022	3 Samples due monthly	11 out of 12	0	0	0

Health-Based Violations

The table below lists the health-based violations the water system incurred during the last calendar year. While you should have received notification of the violations at an earlier date, we are required to list them in this report.

Contaminant Name	Type of Violation	Begin/End Date	Steps Taken to Correct the Violation	Return to Compliance	Return Action Date	Comment
Revised Total Coliform Rule (RTCR)	Failure to conduct routine monitoring	4/1/2022 - 4/30/2022	Following month reporting of all required results.	Yes	5/24/2022	Subsequent reporting of required results.

Public Notice for Monitoring/Reporting and Other Violations

We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. During the period covered by this report, we did not complete all monitoring or testing for the contaminants listed below, and therefore cannot be sure of the quality of your drinking water during that time. Violations which have not been returned to compliance will be repeated annually. The table below lists the contaminants we did not properly test for or other violations during the report period.

Contaminant Name	Type of Violation	Begin/End Date	Steps Taken to Correct the Violation	Return to Compliance	Return Action Date	Comment
Dibromochloropropane (DBCP)	Major monitoring/reporting violation for routine chemical monitoring.	1/1/2020 - 12/31/2022	Reporting monitoring results as required.			
PCBs [Polychlorinated biphenyls]	Major monitoring/reporting violation for routine chemical monitoring.	1/1/2020 - 12/31/2022	Reporting monitoring results as required.			
Methoxychlor	Major monitoring/reporting violation for routine chemical monitoring.	1/1/2020 - 12/31/2022	Reporting monitoring results as required.			
Lindane	Major monitoring/reporting violation for routine chemical monitoring.	1/1/2020 - 12/31/2022	Reporting monitoring results as required.			
Heptachlor epoxide	Major monitoring/reporting violation for routine chemical monitoring.	1/1/2020 - 12/31/2022	Reporting monitoring results as required.			
Heptachlor	Major monitoring/reporting violation for routine chemical monitoring.	1/1/2020 - 12/31/2022	Reporting monitoring results as required.			
Toxaphene	Major monitoring/reporting violation for routine chemical monitoring.	1/1/2020 - 12/31/2022	Reporting monitoring results as required.			
2,4-D	Major monitoring/reporting violation for routine chemical monitoring.	1/1/2020 - 12/31/2022	Reporting monitoring results as required.			
2,4,5-TP (Silvex)	Major monitoring/reporting violation for routine chemical monitoring.	1/1/2020 - 12/31/2022	Reporting monitoring results as required.			

Contaminant Name	Type of Violation	Begin/End Date	Steps Taken to Correct the Violation	Return to Compliance	Return Action Date	Action Comment
Chlordane	Major monitoring/reporting violation for routine chemical monitoring.	1/1/2020 - 12/31/2022	Reporting monitoring results as required.			
Carbofuran	Major monitoring/reporting violation for routine chemical monitoring.	1/1/2020 - 12/31/2022	Reporting monitoring results as required.			
Atrazine	Major monitoring/reporting violation for routine chemical monitoring.	1/1/2020 - 12/31/2022	Reporting monitoring results as required.			
Alachlor	Major monitoring/reporting violation for routine chemical monitoring.	1/1/2020 - 12/31/2022	Reporting monitoring results as required.			
Sodium	Major monitoring/reporting violation for routine chemical monitoring.	1/1/2020 - 12/31/2022	Reporting monitoring results as required.			
Chlorine	Failure to submit DBPR results for Stage 1 or 2 Disinfection By-Products Rule	4/1/2022 - 6/30/2022	Submission of subsequent monitoring results.	Yes	5/24/2022	Subsequent reporting of required results.
Ethylene Dibromide	Major monitoring/reporting violation for routine chemical monitoring.	1/1/2020 - 12/31/2022	Reporting monitoring results as required.			
Endothall	Major monitoring/reporting violation for routine chemical monitoring.	1/1/2020 - 12/31/2022	Reporting monitoring results as required.			
Dioxin (2,3,7,8-TCDD)	Major monitoring/reporting violation for routine chemical monitoring.	1/1/2020 - 12/31/2022	Reporting monitoring results as required.			
Simazine	Major monitoring/reporting violation for routine chemical monitoring.	1/1/2020 - 12/31/2022	Reporting monitoring results as required.			
Picloram	Major monitoring/reporting violation for routine chemical monitoring.	1/1/2020 - 12/31/2022	Reporting monitoring results as required.			
Oxamyl [Vydate]	Major monitoring/reporting violation for routine chemical monitoring.	1/1/2020 - 12/31/2022	Reporting monitoring results as required.			
Hexachlorocyclopentadiene	Major monitoring/reporting violation for routine chemical monitoring.	1/1/2020 - 12/31/2022	Reporting monitoring results as required.			
Hexachlorobenzene	Major monitoring/reporting violation for routine chemical monitoring.	1/1/2020 - 12/31/2022	Reporting monitoring results as required.			
Pentachlorophenol	Major monitoring/reporting violation for routine chemical monitoring.	1/1/2020 - 12/31/2022	Reporting monitoring results as required.			
Endrin	Major monitoring/reporting violation for routine chemical monitoring.	1/1/2020 - 12/31/2022	Reporting monitoring results as required.			
Lead and Copper Rule	Failure to submit Followup and Routine Sampling results for Lead and Copper Rule.	1/1/2020 - 12/31/2022	Reporting monitoring results as required.			
Diquat	Major monitoring/reporting violation for routine chemical monitoring.	1/1/2020 - 12/31/2022	Reporting monitoring results as required.			
Dinoseb	Major monitoring/reporting violation for routine chemical monitoring.	1/1/2020 - 12/31/2022	Reporting monitoring results as required.			
Di (2-ethylhexyl) phthalate	Major monitoring/reporting violation for routine chemical monitoring.	1/1/2020 - 12/31/2022	Reporting monitoring results as required.			
Di (2-ethylhexyl) adipate	Major monitoring/reporting violation for routine chemical monitoring.	1/1/2020 - 12/31/2022	Reporting monitoring results as required.			
Dalapon	Major monitoring/reporting violation for routine chemical monitoring.	1/1/2020 - 12/31/2022	Reporting monitoring results as required.			
Benzo(a)pyrene	Major monitoring/reporting violation for routine chemical monitoring.	1/1/2020 - 12/31/2022	Reporting monitoring results as required.			

Contaminant Name	Type of Violation	Begin/End Date	Steps Taken to Correct the Violation	Return to Compliance	Return Date	Action Comment
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Glyphosate	Major monitoring/reporting violation for routine chemical monitoring.	1/1/2020 - 12/31/2022	Reporting monitoring results as required.			
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What should I do, as a consumer?
 There is nothing you need to do at this time.

What is being done by the utility?
 We will work with our regulatory official to conduct all required contaminant monitoring as directed.

Definitions

Term	Definition
ppm	parts per million, or milligrams per liter (mg/L)
ppb	parts per billion, or microgram per liter (ug/L)
positive samples	the number of positive samples taken that year
% positive samples/month	% of samples taken monthly that were positive
pCi/L	picocuries per liter
ND	Not detected
N/A	Not applicable
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.
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.
MRDL	Maximum Residual Disinfectant Level
MRDLG	Maximum Residual Disinfectant Level Goal
TT	Treatment Technique: A required process intended to reduce the level of a contaminant in drinking water.
AL	Action Level: The concentration of a contaminant which, if exceeded, trigger treatment or other requirements which a water system must follow.
90th Percentile	Statistical value used to determine if Action Level is exceeded. Determined by calculating the value at which 90% of the samples tested were below that value.

How can I get involved?

Please feel free to contact the number provided below for more information or for a translated copy of the report if you need it in another language.

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

For more information please contact:

Lauren LaFrombois, Administrative Assistant, 630 Brockman Lane , Bishop, California 93514

Phone: (760) 873-6638

Fax: (760) 873-3076



About us

The Public Works Department's primary function and responsibility is to operate and maintain the Bishop Paiute Tribes domestic water distribution system and wastewater mains. The Funding for this program is received through the collection of monthly service fees from the water/sewer users and are established by the Bishop Paiute Tribal Council. The service fees collected pay for the operation and maintenance o the tribe's domestic water and sewer main lines, Eastern Sierra Community Service District wastewater disposal fees, and pumping electrical costs.

Mission Statement

The Mission of the Public Works Department is to improve and encourage the quality of life for the residents of the Tribal Community though responsive, efficient and effective delivery of services to everyone within the community and by reflecting a can-do attitude with our customers and surrounding communities.

Hours

**Monday-Friday
8:00am-5:00pm**

Office Location

**50 Tu Su Lane
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Yard Location

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