

# Redwood Valley Rancheria Annual Water Quality Report

Public Water System #090605118

2021

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 1 surface water source.

## 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	0.155	0.12	0.19	2021	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

Five Haloacetic Acids (HAA5) Units: ppb	N/A	60	19.5	N/A	N/A	2021	No	By-product of drinking water chlorination
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Total Trihalomethanes (TTHMs) Units: ppb	N/A	80	44.6	N/A	N/A	2021	No	By-product of drinking water chlorination
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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	0.0965	0 sites over Action Level	2019	No	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
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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>.

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## Microbiological 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
2021	1 Sample due monthly	11 out of 12	0	0	0

## Significant Deficiencies

*Sanitary deficiencies are defects in a water system's infrastructure, design, operation, maintenance, or management that cause, or may cause interruptions to the "multiple barrier" protection system and adversely affect the system's ability to produce safe and reliable drinking water in adequate quantities.*

*The following is a listing of significant deficiencies that have yet to be corrected. Your public water system is still working to correct these deficiencies and interim milestones are shown, as applicable.*

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### Deficiency Title: Gaps in Gasket on Electrical Box Hatch at Storage Tank

Date Identified: 5/27/2020 Overall Due Date: 7/1/2021

Deficiency Description: The gasket on the electrical box hatch has gaps that could allow for entry of insects and dust.

Corrective Action Plan: To protect stored water from contamination, gaskets should be installed on all water storage tank hatch covers. The gasket should provide an airtight seal to prevent the entry of dust and insects into the storage tank. The gasket material should be suitable for contact with potable water (e.g. NSF Standard 61 certified material, food grade). For more information on the NSF Standard 61 certification, please consult the following website: <http://www.nsf.org/services/by-industry/water-wastewater/municipal-water-treatment/nsf-ansi-standard-61>

Since the completion of the sanitary survey, the certified operator is no longer employed by the Tribe to operate the water system. The failure to maintain a certified operator has been deemed a significant deficiency.

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### Deficiency Title: Missing Gasket on Access Hatch of Storage Tank

Date Identified: 5/27/2020 Overall Due Date: 7/1/2022

Deficiency Description: There is no gasket on the Access Hatch Cover. This could allow for the entry of insects and dust into the storage tank.

Corrective Action Plan: To protect stored water from contamination, gaskets should be installed on all water storage tank hatch covers. The gasket should provide an airtight seal to prevent the entry of dust and insects into the storage tank. The gasket material should be suitable for contact with potable water (e.g. NSF Standard 61 certified material, food grade). For more information on the NSF Standard 61 certification, please consult the following website: <http://www.nsf.org/services/by-industry/water-wastewater/municipal-water-treatment/nsf-ansi-standard-61>

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### Deficiency Title: Operator Certification

Date Identified: 5/27/2020 Overall Due Date: 7/1/2022

Deficiency Description: The water system is not currently operated by a certified drinking water operator. Because the water system is supplied by surface water, a qualified operator is required at level 1 distribution or greater.

Corrective Action Plan: Several options are available. The water system could hire an operator with certification; train existing staff to sit for the exam; or hire a contract operator to oversee sampling and operations.

Assistance in getting properly certified can be obtained from the Inter Tribal Council of Arizona (ITCA). The following website can be used for ITCA contact information:

<https://itcaonline.com/programs/environmental-quality-programs/tws-tmap/certification-2/>

Additionally, the California Water Board also provides a certification program. The following website provides information on the California program:

[https://www.waterboards.ca.gov/drinking\\_water/certlic/occupations/DWopcert.html](https://www.waterboards.ca.gov/drinking_water/certlic/occupations/DWopcert.html)

## 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 Date	Action Comment
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Revised Total Coliform Rule (RTCR)	Failure to conduct routine monitoring	12/1/2021 - 12/31/2021	Following month reporting of all required results.			
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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

<b>Term</b>	<b>Definition</b>
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
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:

Eileen Nunez, EPA Director, 3250 Road I , Redwood Valley, California 95470

**Phone:** (707) 485-0361

**Fax:** (707) 485-5726