

2023 Consumer Confidence Report

Water System Information

Water System Name: CA4900543 SALMON CREEK CSA 41

Report Date: JUNE 2023

Type of Water Source(s) in Use: Ground water well #1 and ground water under the influence of surface water.

Name and General Location of Source(s): Well #1 is located at Maryana Drive. The spring is located on McChristian Avenue.

Drinking Water Source Assessment Information: The well sources are considered most vulnerable to the leach field and surface runoff. A copy of the complete assessment may be viewed at State Water Resources Control Board Division of Drinking Water, 50 D St, #200, Santa Rosa, CA 95404, 707-576-2145.

For More Information, contact: The Board of Supervisors meets every Tuesday morning. Please call 707-576-2145 for more information on remote meeting access.

About This Report

We test the drinking water quality for many constituents as required by state and federal regulations. This report shows the results of our monitoring for the period of January 1 to December 31, 2023 and may include earlier monitoring data.

Importance of This Report Statement in Five Non-English Languages (Spanish, Mandarin, Tagalog, Vietnamese, and Hmong)

Este informe contiene información muy importante sobre su agua para beber. Favor de comunicarse Salmon Creek CSA 41 a 707-887-7735 para asistirlo en español.

这份报告含有关于您的饮用水的重要讯息。请用以下地址和电话联系 Salmon Creek CSA 41 以获得中文的帮助: 707-887-7735.

Ang pag-uulat na ito ay naglalaman ng mahalagang impormasyon tungkol sa inyong inuming tubig. Mangyaring makipag-ugnayan sa Salmon Creek CSA 41 o tumawag sa 707-887-7735 para matulungan sa wikang Tagalog.

cáo này chứa thông tin quan trọng về nước uống của bạn. Xin vui lòng liên hệ Salmon Creek CSA 41 tại 707-887-7735 để được hỗ trợ giúp bằng tiếng Việt.

Tsab ntawv no muaj cov ntsiab lus tseem ceeb txog koj cov dej haus. Thov hu rau Salmon Creek CSA 41 ntawm 707-887-7735 rau kev pab hauv lus Askiv.

Terms Used in This Report

Term	Definition
Level 1 Assessment	A Level 1 assessment is a study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system.
Level 2 Assessment	A Level 2 assessment is a very detailed study of the water system to identify potential problems and determine (if possible) why an <i>E. coli</i> MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.
Maximum Contaminant Level (MCL)	The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically feasible. Secondary MCLs are set to protect the odor, taste, and appearance of drinking water.
Maximum Contaminant Level Goal (MCLG)	The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the U.S. Environmental Protection Agency (U.S. EPA).
Maximum Residual Disinfectant Level (MRDL)	The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
Maximum Residual Disinfectant Level Goal (MRDLG)	The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.
Primary Drinking Water Standards (PDWS)	MCLs and MRDLs for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.
Public Health Goal (PHG)	The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.
Regulatory Action Level (AL)	The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.
Secondary Drinking Water Standards (SDWS)	MCLs for contaminants that affect taste, odor, or appearance of the drinking water. Contaminants with SDWSs do not affect the health at the MCL levels.
Treatment Technique (TT)	A required process intended to reduce the level of a contaminant in drinking water.
Variances and Exemptions	Permissions from the State Water Resources Control Board (State Board) to exceed an MCL or not comply with a treatment technique under certain conditions.
ND	Not detectable at testing limit.
ppm	parts per million or milligrams per liter (mg/L)
ppb	parts per billion or micrograms per liter (µg/L)
ppt	parts per trillion or nanograms per liter (ng/L)
ppq	parts per quadrillion or picogram per liter (pg/L)
pCi/L	picocuries per liter (a measure of radiation)

Sources of Drinking Water and Contaminants that May Be Present in Source Water

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, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- Inorganic contaminants, such as salts and metals, that 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, that 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, that are byproducts of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, agricultural application, and septic systems.
- Radioactive contaminants, that can be naturally-occurring or be the result of oil and gas production and mining activities.

Regulation of Drinking Water and Bottled Water Quality

In order to ensure that tap water is safe to drink, the U.S. EPA and the State Board prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. The U.S. Food and Drug Administration regulations and California law also establish limits for contaminants in bottled water that provide the same protection for public health.

About Your Drinking Water Quality

Drinking Water Contaminants Detected

Tables 1, 2, 3, 4, 5, 6, and 8 list all of the drinking water contaminants that were detected during the most recent sampling for the constituent. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. The State Board allows us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of the data, though representative of the water quality, are more than one year old. Any violation of an AL, MCL, MRDL, or TT is asterisked. Additional information regarding the violation is provided later in this report.

Table 1. Sampling Results Showing the Detection of Coliform Bacteria

Complete if bacteria are detected.

Microbiological Contaminants	Highest No. of Detections	No. of Months in Violation	MCL	MCLG	Typical Source of Bacteria
<i>E. coli</i>	0	0	(a)	0	Human and animal fecal waste

(a) Routine and repeat samples are total coliform-positive and either is *E. coli*-positive or system fails to take repeat samples following *E. coli*-positive routine sample or system fails to analyze total coliform-positive repeat sample for *E. coli*.

Table 2. Sampling Results Showing the Detection of Lead and Copper

Complete if lead or copper is detected in the last sample set.

Lead and Copper	Sample Date	No. of Samples Collected	90 th Percentile Level Detected	No. Sites Exceeding AL	AL	PHG	Typical Source of Contaminant
Lead (ppb)	08/19/2023	7	0.005 / <0.005	1	15	0.2	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
Copper (ppm)	8/19/2023	7	0.26	1	1.3	0.3	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

Table 3. Sampling Results for Sodium and Hardness

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminant
Sodium (ppm) Maryana Well 01 Spring	12/11/2023 12/11/2023	38 34	34-38	None	None	Salt present in the water and is generally naturally occurring
Hardness (ppm) Maryana Well 01 Spring	12/11/2023 12/11/2023	100 80	80-100	None	None	Sum of polyvalent cations present in the water, generally magnesium and calcium, and are usually naturally occurring

Table 4. Detection of Contaminants with a Primary Drinking Water Standard

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL [MRDL]	PHG (MCLG) [MRDLG]	Typical Source of Contaminant
Chromium (Total) ppb	12/11/2023	2.3	-	10	(100)	Discharge from steel and pulp mills and chrome plating; erosion of natural deposits.
Nitrate (ppm)	012/11/2023	2.5	-	10	10	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Haloacetic Acids (HAA5) (ppb)	12/11/2023	15	-	60	N/A	Byproduct of drinking water disinfection

Table 5. Detection of Contaminants with a Secondary Drinking Water Standard

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	SMCL	PHG (MCLG)	Typical Source of Contaminant
Alkalinity (ppm) Maryana Well 01 Spring	12/11/2023 12/11/2023	52 48	48-52	-	-	The primary source of natural alkalinity is carbon dioxide in the atmosphere and in soil gases that dissolve in rain, surface water, and groundwater
Bicarbonate Alkalinity (ppm) Maryana Well 01 Spring	12/11/2023 12/11/2023	63 80	63-80	-	-	-
Calcium (ppm) Maryana Well 01 Spring	12/11/2023 12/11/2023	18 14	14-18	-	-	-
Chloride (ppm) Maryana Well 01 Spring	12/11/2023 12/11/2023	95 59	59-95	500	-	Runoff/leaching from natural deposits; seawater influence
Color (units) Maryana Well 01	12/11/2023	25	5-25	15	-	Naturally-occurring organic materials

Spring	12/11/2023	5				
Iron (ppb)	1/25/2023	2300	11-11000	300	-	Leaching from natural deposits; industrial wastes
Maryana Well 01	4/4/2023	340				
	7/17/2023	2700				
	10/3/2023	11000				
	12/11/2023	1400				
Spring	12/11/2023	11				
Magnesium (ppm)	12/11/2023	14	11-14	-	-	-
Maryana Well 01	12/11/2023	11				
Spring	12/11/2023	11				
Manganese (ppm)	1/25/2023	42	23-170	500	-	Runoff/leaching from natural deposits; industrial wastes
Maryana Well 01	4/4/2023	23				
	7/17/2023	120				
	10/3/2023	170				
	12/11/2023	58				
Odor – Threshold (units)				3		Naturally-occurring organic materials
Maryana Well 01	12/11/2023	17	12-17			
Spring	12/11/2023	12				
pH	12/11/2023	7.9	6.5-7.9	-	-	Leaching from natural deposits
Maryana Well 01	12/11/2023	6.5				
Spring	12/11/2023	6.5				
Specific Conductance (µS/cm)	12/11/2023	430	350-450	1600	-	Substances that form ions when in water; seawater influence
Maryana Well 01	12/11/2023	350				
Spring	12/11/2023	350				
Sulfate (ppm)	12/11/2023	0.83	0.83-11	500	-	Runoff/leaching from natural deposits; industrial wastes
Maryana Well 01	12/11/2023	11				
Spring	12/11/2023	11				
Total Dissolved Solids (ppm)	12/11/2023	270	220-270	1000	-	Runoff/leaching from natural deposits
Maryana Well 01	12/11/2023	220				
Spring	12/11/2023	220				
Turbidity (ntu)	12/11/2023	6.8	4.6-6.8	5	-	Soil runoff
Maryana Well 01	12/11/2023	4.6				
Spring	12/11/2023	4.6				
Zinc (ppb)	12/11/2023	65	65-120	5000		Runoff/leaching from natural deposits; industrial wastes
Maryana Well 01	12/11/2023	120				
Spring	12/11/2023	120				

Table 6. Detection of Unregulated Contaminants

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	Notification Level	Health Effects
Aluminum (ppb)	12/11/2023	270	-	1000	Erosion of natural deposits; residual from some surface water treatment processes

Additional General Information on 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 the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the U.S. EPA's Safe Drinking Water Hotline (1-800-426-4791).

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. U.S. 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 Drinking Water Hotline (1-800-426-4791).

Lead-Specific Language: 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. Salmon Creek CSA 41 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. [Optional: If you do so, you may wish to collect the flushed water and reuse it for another beneficial purpose, such as watering plants.] 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 (1-800-426-4791) or at <http://www.epa.gov/lead>.

Additional Special Language for Nitrate, Arsenic, Lead, Radon, and *Cryptosporidium*: [Enter Additional Information Described in Instructions for SWS CCR Document]

State Revised Total Coliform Rule (RTCR): [Enter Additional Information Described in Instructions for SWS CCR Document]

Summary Information for Violation of a MCL, MRDL, AL, TT, or Monitoring and Reporting Requirement

Table 7. Violation of a MCL, MRDL, AL, TT or Monitoring Reporting Requirement

Violation	Explanation	Duration	Actions Taken to Correct Violation	Health Effects Language
AL	Lead exceedance. No violation was issued.	September 2023	Took more samples to confirm no more exceedances	Infants and children who drink water containing lead in excess of the action level may experience delays in their physical or mental development. Children may show slight deficits in attention span and learning abilities. Adults who drink this water over many years may develop kidney problems or high blood pressure.
AL	Copper exceedance. No violation was issued.	September 2023	Took more samples to confirm no more exceedances	Copper is an essential nutrient, but some people who drink water containing copper in excess of the action level over a relatively short amount of time may experience gastrointestinal distress. Some people who drink water containing copper in excess of the action level over many years may suffer liver or kidney damage. People with Wilson's Disease should consult their personal doctor.

For Water Systems Providing Groundwater as a Source of Drinking Water**Table 8. Sampling Results Showing Fecal Indicator-Positive Groundwater Source Samples**

Microbiological Contaminants (complete if fecal-indicator detected)	Total No. of Detections	Sample Dates	MCL [MRDL]	PHG (MCLG) [MRDLG]	Typical Source of Contaminant
<i>E. coli</i>	0		0	(0)	Human and animal fecal waste
Enterococci	0		TT	N/A	Human and animal fecal waste
Coliphage	0		TT	N/A	Human and animal fecal waste

Table 9. Violation of Groundwater TT

Violation	Explanation	Duration	Actions Taken to Correct Violation	Health Effects Language
None				

For Systems Providing Surface Water as a Source of Drinking Water**Table 10. Sampling Results Showing Treatment of Surface Water Sources**

Treatment Technique ^(a) (Type of approved filtration technology used)	[Enter Treatment Technique]
Turbidity Performance Standards ^(b) (that must be met through the water treatment process)	Turbidity of the filtered water must: 1 – Be less than or equal to 0.10 NTU in 95% of measurements in a month. 2 – Not exceed 0.30 NTU for more than eight consecutive hours. 3 – Not exceed 1.0 NTU at any time.
Lowest monthly percentage of samples that met Turbidity Performance Standard No. 1.	99.9
Highest single turbidity measurement during the year	6.8
Number of violations of any surface water treatment requirements	0

(a) A required process intended to reduce the level of a contaminant in drinking water.

(b) Turbidity (measured in NTU) is a measurement of the cloudiness of water and is a good indicator of water quality and filtration performance. Turbidity results which meet performance standards are considered to be in compliance with filtration requirements.

Summary Information for Violation of a Surface Water TT

Table 11. Violation of Surface Water TT

Violation	Explanation	Duration	Actions Taken to Correct Violation	Health Effects Language
None				