

2022 Consumer Confidence Report

Water System Name: THREE RIVERS SCHOOL

Report Date: April 2023

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 - December 31, 2022.

Este informe contiene información muy importante sobre su agua potable. Tradúzcalo ó hable con alguien que lo entienda bien.

Type of water source(s) in use: According to SWRCB records, this Source is Groundwater. This Assessment was done using the Default Groundwater System Method.

Your water comes from 1 source(s): WELL 01

Opportunities for public participation in decisions that affect drinking water quality: Three Rivers School Library: Board of Trustees meeting are held on the first Wednesday of every month at 6:30 p.m. via Zoom.

For more information about this report, or any questions relating to your drinking water, please call (559) 561-4466 and ask for Emily Valdez-Rodríguez, Ed.D. or email erodriguez@3rusd.org or visit our website at 3rusd.org.

TERMS USED IN THIS REPORT

Maximum Contaminant Level (MCL): The highest level of contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically 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 (USEPA).

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.

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 the contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.

Secondary Drinking Water Standards (SDWS): MCLs for the 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.

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

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 E. coli MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.

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

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

pCi/L: picocuries per liter (a measure of radiation)

NTU: Nephelometric Turbidity Units

umhos/cm: micro mhos per centimeter

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 by-products 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.

In order to ensure that tap water is safe to drink, the USEPA and the State Water Resource Control Board (State Water Board) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. State Water Board regulations also establish limits for contaminants in bottled water that provide the same protection for public health.

Tables 1, 2, 3, 4, 5, 6 and 7 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 Water 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 MCL, AL or MRDL is highlighted. Additional information regarding the violation is provided later in this report.

Table 1 - SAMPLING RESULTS SHOWING THE DETECTION OF COLIFORM BACTERIA					
Microbiological Contaminants (complete if bacteria detected)	Highest No. of Detections	No. of Months in Violation	MCL	MCLG	Typical Sources of Contaminant
Total Coliform Bacteria	1/year (2022)	0	no more than 1 positive monthly sample	0	Naturally present in the environment.

Table 2 - SAMPLING RESULTS SHOWING THE DETECTION OF LEAD AND COPPER							
Lead and Copper (complete if lead or copper detected in last sample set)	Sample Date	No. of Samples	90th percentile level detected	No. Sites Exceeding AL	AL	PHG	Typical Sources of Contaminant
Copper (mg/L)	(2022)	5	0.25	0	1.3	.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	Average Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Sources of Contaminant
Sodium (mg/L)	(2016)	22	n/a	none	none	Salt present in the water and is generally naturally occurring
Hardness (mg/L)	(2016)	110	n/a	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	Average Level Detected	Range of Detections	MCL [MRDL]	PHG (MCLG) [MRDLG]	Typical Sources of Contaminant
Chromium (ug/L)	(2022)	10	n/a	50.0	n/a	Discharge from steel and pulp mills and chrome plating; erosion of natural deposits
Fluoride (mg/L)	(2022)	0.1	n/a	2	1	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories.
Nitrate as N (mg/L)	(2022)	4.5	4.2 - 4.7	10	10	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Nitrate + Nitrite as N (mg/L)	(2016)	6.8	n/a	10	10	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Gross Alpha (pCi/L)	(2019)	6.2	n/a	15	(0)	Erosion of natural deposits.
Uranium (pCi/L)	(2019)	8.4	n/a	20	0.43	Erosion of natural deposits

Table 5 - DETECTION OF CONTAMINANTS WITH A SECONDARY DRINKING WATER STANDARD						
Chemical or Constituent (and reporting units)	Sample Date	Average Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Sources of Contaminant
Chloride (mg/L)	(2016)	13	n/a	500	n/a	Runoff/leaching from natural deposits; seawater influence
Specific Conductance (umhos/cm)	(2016)	355	n/a	1600	n/a	Substances that form ions when in water; seawater influence
Sulfate (mg/L)	(2016)	13.4	n/a	500	n/a	Runoff/leaching from natural deposits; industrial wastes
Total Dissolved Solids (mg/L)	(2016)	260	n/a	1000	n/a	Runoff/leaching from natural deposits
Turbidity (NTU)	(2016)	0.2	n/a	5	n/a	Soil runoff
Zinc (mg/L)	(2016)	0.1	n/a	5	n/a	Runoff/leaching from natural deposits

Table 6 - DETECTION OF UNREGULATED CONTAMINANTS						
Chemical or Constituent (and reporting units)	Sample Date	Average Level Detected	Range of Detections	Notification Level	Typical Sources of Contaminant	
Vanadium (ug/L)	(2022)	11	n/a	50	Vanadium exposures resulted in developmental and reproductive effects in rats.	

Table 7 - ADDITIONAL DETECTIONS						
Chemical or Constituent (and reporting units)	Sample Date	Average Level Detected	Range of Detections	Notification Level	Typical Sources of Contaminant	
Calcium (mg/L)	(2016)	31	n/a	n/a	n/a	
Magnesium (mg/L)	(2016)	8	n/a	n/a	n/a	
pH (units)	(2016)	6.4	n/a	n/a	n/a	
Alkalinity (mg/L)	(2016)	110	n/a	n/a	n/a	
Aggressiveness Index	(2016)	10.3	n/a	n/a	n/a	
Langelier Index	(2016)	-1.5	n/a	n/a	n/a	

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 USEPA'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. USEPA/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 for Community Water Systems: 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 the service lines and home plumbing. *Three Rivers Elementary School* 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/lead>.

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

VIOLATION OF A MCL,MRDL,AL,TT, OR MONITORING AND REPORTING REQUIREMENT				
Violation	Explanation	Duration	Actions Taken To Correct the Violation	Health Effects Language
Total Coliform Bacteria				Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful, waterborne pathogens may be present or that a potential pathway exists through which contamination may enter the drinking water distribution system. We found coliforms indicating the need to look for potential problems in water treatment or distribution. When this occurs, we are required to conduct assessment(s) to identify problems and to correct any problems that were found during these assessments.

2022 Consumer Confidence Report Drinking Water Assessment Information

Assessment Information

A source water assessment was conducted for the WELL 01 of the THREE RIVERS SCHOOL water system in May, 2002.

WELL 01 - is considered most vulnerable to the following activities associated with contaminants detected in the water supply:

Known Contaminant Plumes

Underground storage tanks - Confirmed leaking tanks

is considered most vulnerable to the following activities not associated with any detected contaminants:

Automobile - Gas stations

Chemical/petroleum processing/storage

Historic gas stations

Septic systems - high density [$>1/\text{acre}$]

Discussion of Vulnerability

Hard rock well at a depth of 165 with a 50 annular seal, a 1 1/2 Submersible pump, a sample tap, a single valve. The activities to which the Three Rivers School water system is most vulnerable include septic systems and historic leaking underground gasoline/diesel storage tanks. The leaking tanks at the Three Rivers Chevron and the Three Rivers Market have been removed and replaced with approved double-walled containment tanks. There was MTBE contamination in the ground water and soil at the Three Rivers Market. The tanks at the Three Rivers School, which showed some diesel in the soil, were also removed but not replaced. There have been no confirmed detections of contaminants in the well. It is important that septic systems be kept in good repair and pumped regularly. It is also necessary to keep the well site clean and free of weeds and debris to prevent contamination. The cement surface seal needs to be checked for cracks and immediately repaired or sealed.

Acquiring Information

A copy of the complete assessment may be viewed at:

Environmental Health Services

5957 S Mooney Blvd

Visalia, CA 93277

You may request a summary of the assessment be sent to you by contacting:

Susan Shaw

Environmental Health Specialist

559-733-6441

559-733-6932 (fax)

sshaw@tularehhsa.org

Three Rivers Elementary School

Analytical Results By FGL - 2022

MICROBIOLOGICAL CONTAMINANTS									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Total Coliform Bacteria			0	5%	n/a			0	-
Cafeteria Sink	VI 2243669-3					2022-05-23	<1.0		
Office Sink (41932 Sierra Dr.)	VI 2249775-1					2022-12-15	Absent		
Office Sink (41932 Sierra Dr.)	VI 2248853-1					2022-11-09	Absent		
Office Sink (41932 Sierra Dr.)	VI 2247956-1					2022-10-10	Absent		
Office Sink (41932 Sierra Dr.)	VI 2247046-1					2022-09-07	Absent		
Office Sink (41932 Sierra Dr.)	VI 2246027-1					2022-08-08	Absent		
Office Sink (41932 Sierra Dr.)	VI 2244973-1					2022-07-12	Absent		
Office Sink (41932 Sierra Dr.)	VI 2243669-1					2022-05-23	<1.0		
Office Sink (41932 Sierra Dr.)	VI 2243566-1					2022-05-18	Present		
Office Sink (41932 Sierra Dr.)	VI 2242470-1					2022-04-07	Absent		
Office Sink (41932 Sierra Dr.)	VI 2241724-1					2022-03-14	Absent		
Office Sink (41932 Sierra Dr.)	VI 2240661-1					2022-02-03	Absent		
Office Sink (41932 Sierra Dr.)	VI 2240225-1					2022-01-12	Absent		
Teachers Lounge	VI 2243669-2					2022-05-23	<1.0		

LEAD AND COPPER RULE									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	90th Percentile	# Samples
Copper		mg/L		1.3	.3			0.25	5
Office Sink (41932 Sierra Dr.)	VI 2246428-4	mg/L				2022-08-17	0.08		
Room #4	VI 2246428-2	mg/L				2022-08-17	ND		
Room 3	VI 2246428-3	mg/L				2022-08-17	ND		
Room 6	VI 2246428-1	mg/L				2022-08-17	ND		
Staff Room	VI 2246428-5	mg/L				2022-08-17	0.42		

SAMPLING RESULTS FOR SODIUM AND HARDNESS									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Sodium		mg/L		none	none			22	22 - 22
WELL 01	VI 1645232-1	mg/L				2016-12-22	22		
Hardness		mg/L		none	none			110	110 - 110
WELL 01	VI 1645232-1	mg/L				2016-12-22	110		

PRIMARY DRINKING WATER STANDARDS (PDWS)									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Chromium		ug/L	100	50.0	n/a			10	10 - 10
WELL 01	VI 2241729-1	ug/L				2022-03-14	10		
Fluoride		mg/L		2	1			0.1	0.1 - 0.1
WELL 01	VI 2241729-1	mg/L				2022-03-14	0.1		
Nitrate as N		mg/L		10	10			4.5	4.2 - 4.7
WELL 01	VI 2249786-1	mg/L				2022-12-15	4.2		
WELL 01	VI 2247047-1	mg/L				2022-09-07	4.7		
WELL 01	VI 2241729-1	mg/L				2022-03-14	4.6		
Nitrate + Nitrite as N		mg/L		10	10			6.8	6.8 - 6.8
WELL 01	VI 1645232-1	mg/L				2016-12-22	6.8		
Gross Alpha		pCi/L		15	(0)			6.20	6.20 - 6.20
WELL 01	VI 1940935-1	pCi/L				2019-03-05	6.20		
Uranium		pCi/L		20	0.43			8.40	8.40 - 8.40
WELL 01	VI 1940935-1	pCi/L				2019-03-05	8.40		

SECONDARY DRINKING WATER STANDARDS (SDWS)									
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		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Chloride		mg/L		500	n/a			13	13 - 13
WELL 01	VI 1645232-1	mg/L				2016-12-22	13		
Specific Conductance		umhos/cm		1600	n/a			355	355 - 355
WELL 01	VI 1645232-1	umhos/cm				2016-12-22	355		
Sulfate		mg/L		500	n/a			13.4	13.4 - 13.4
WELL 01	VI 1645232-1	mg/L				2016-12-22	13.4		
Total Dissolved Solids		mg/L		1000	n/a			260	260 - 260
WELL 01	VI 1645232-1	mg/L				2016-12-22	260		
Turbidity		NTU		5	n/a			0.2	0.2 - 0.2
WELL 01	VI 1645232-1	NTU				2016-12-22	0.2		
Zinc		mg/L		5	n/a			0.10	0.10 - 0.10
WELL 01	VI 1645232-1	mg/L				2016-12-22	0.10		

UNREGULATED CONTAMINANTS

		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Vanadium		ug/L		NS	n/a			11	11 - 11
WELL 01	VI 2241729-1	ug/L				2022-03-14	11		

ADDITIONAL DETECTIONS

		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Calcium		mg/L			n/a			31	31 - 31
WELL 01	VI 1645232-1	mg/L				2016-12-22	31		
Magnesium		mg/L			n/a			8	8 - 8
WELL 01	VI 1645232-1	mg/L				2016-12-22	8		
pH		units			n/a			6.4	6.4 - 6.4
WELL 01	VI 1645232-1	units				2016-12-22	6.4		
Alkalinity		mg/L			n/a			110	110 - 110
WELL 01	VI 1645232-1	mg/L				2016-12-22	110		
Aggressiveness Index					n/a			10.3	10.3 - 10.3
WELL 01	VI 1645232-1					2016-12-22	10.3		
Langelier Index					n/a			-1.5	-1.5 - -1.5
WELL 01	VI 1645232-1					2016-12-22	-1.5		

Three Rivers Elementary School

CCR Login Linkage - 2022

FGL Code	Lab ID	Date_Sampled	Method	Description	Property
CAF SINK	VI 2243669-3	2022-05-23	Coliform	Cafeteria Sink	Drinking Water Monitoring
Off. Sink (4193	VI 2240225-1	2022-01-12	Coliform	Office Sink (41932 Sierra Dr.)	Water Monitoring
	VI 2240661-1	2022-02-03	Coliform	Office Sink (41932 Sierra Dr.)	Water Monitoring
	VI 2241724-1	2022-03-14	Coliform	Office Sink (41932 Sierra Dr.)	Water Monitoring
	VI 2242470-1	2022-04-07	Coliform	Office Sink (41932 Sierra Dr.)	Water Monitoring
	VI 2243566-1	2022-05-18	Coliform	Office Sink (41932 Sierra Dr.)	Water Monitoring
	VI 2243669-1	2022-05-23	Coliform	Office Sink (41932 Sierra Dr.)	Drinking Water Monitoring
	VI 2244973-1	2022-07-12	Coliform	Office Sink (41932 Sierra Dr.)	Water Monitoring
	VI 2246027-1	2022-08-08	Coliform	Office Sink (41932 Sierra Dr.)	Water Monitoring
CA5400704_DST_L	VI 2246428-4	2022-08-17	Metals, Total	Office Sink (41932 Sierra Dr.)	Cu/Pb Monitoring
Off. Sink (4193	VI 2247046-1	2022-09-07	Coliform	Office Sink (41932 Sierra Dr.)	Water Monitoring
	VI 2247956-1	2022-10-10	Coliform	Office Sink (41932 Sierra Dr.)	Water Monitoring
	VI 2248853-1	2022-11-09	Coliform	Office Sink (41932 Sierra Dr.)	Water Monitoring
	VI 2249775-1	2022-12-15	Coliform	Office Sink (41932 Sierra Dr.)	Water Monitoring
CA5400704_DST_L	VI 2246428-2	2022-08-17	Metals, Total	Room #4	Cu/Pb Monitoring
	VI 2246428-3	2022-08-17	Metals, Total	Room 3	Cu/Pb Monitoring
	VI 2246428-1	2022-08-17	Metals, Total	Room 6	THREE RIVERS ELEMENTARY SCHOOL
	VI 2246428-5	2022-08-17	Metals, Total	Staff Room	Cu/Pb Monitoring
TEACHERS LGE	VI 2243669-2	2022-05-23	Coliform	Teachers Lounge	Drinking Water Monitoring
5400704	VI 1645232-1	2016-12-22	General Mineral	WELL 01	Water Quality - 2016
	VI 1645232-1	2016-12-22	Wet Chemistry	WELL 01	Water Quality - 2016
	VI 1940935-1	2019-03-05	Metals, Total	WELL 01	Water Quality Monitoring
	VI 1940935-1	2019-03-05	Radio Chemistry	WELL 01	Water Quality Monitoring
	VI 2241729-1	2022-03-14	Metals, Total	WELL 01	Water Quality Monitoring
	VI 2241729-1	2022-03-14	Wet Chemistry	WELL 01	Water Quality Monitoring
	VI 2247047-1	2022-09-07	Wet Chemistry	WELL 01	Water Quality Monitoring
	VI 2249786-1	2022-12-15	Wet Chemistry	WELL 01	Water Quality Monitoring