2022 Consumer Confidence Report

Water System Name: WOODRIDGE MUTUAL WATER CO Report Date: May 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 alquien 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 3 source(s): WELL 01 - NOT TREATED, WELL 02 - NOT TREATED and WELL 04 - NOT TREATED

Opportunities for public participation in decisions that affect drinking water quality: The Annual Property Owners Meeting is in March. The date and location of periodic Board meeting will be posted on our website at www.woodridgepoa.org

For more information about this report, or any questions relating to your drinking water, please call (858) 354 8885 and ask for Mark Bantz or email Markb.wpoa@gmail.com or visit our website at www.woodridgepoa.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.

ND: not detectable at testing limit

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 if 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 and 5 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 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)	(2021)	5	0.33	0	1.3	.3	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

Table 2 - 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)	(2021)	6	·n/a	none	none	Salt present in the water and is generally naturally occurring
Hardness (mg/L)	(2021)	112	108 - 117	none	none	Sum of polyvalent cations present in the water, generally magnesium and calcium, and are usually naturally occurring

Table 3 - 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**
Hexavalent Chromium (ug/L)	(2017)	1.6	ND - 2.8		0.02	Discharge from electroplating factories, leather tanneries, wood preservation, chemical synthesis, refractory production, and textile manufacturing facilities; erosion of natural deposits.

Gross Alpha (pCi/L)	(2019 - 2020)	1.217	ND - 3.65	15	(0)	Erosion of natural deposits.

Table 4 - 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)	(2021)	1	ND - 1	500	n/a	Runoff/leaching from natural deposits; seawater influence
Specific Conductance (umhos/cm)	(2021)	226	223 - 230	1600	n/a	Substances that form ions when in water; seawater influence
Sulfate (mg/L)	(2021)	0.7	0.6 - 0.7	500	n/a	Runoff/leaching from natural deposits; industrial wastes
Total Dissolved Solids (mg/L)	(2021)	163	160 - 170	1000	n/a	Runoff/leaching from natural deposits
Turbidity (NTU)	(2021)	0.5	0.1 - 0.9	5	n/a	Soil runoff
Zinc (mg/L)	(2021)	ND	ND - 0.07	5	n/a	Runoff/leaching from natural deposits

Table 5 - 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)	(2021)	21	20 - 22	n/a	n/a
Magnesium (mg/L)	(2021)	14	14 - 15	n/a	n/a
pH (units)	(2021)	7	6.89 - 7.11	n/a	n/a
Alkalinity (mg/L)	(2021)	113	110 - 120	n/a	n/a
Aggressiveness Index	(2021)	10.8	10.6 - 10.9	n/a	n/a
Langelier Index	(2021)	-1	-1.2 - -0.9	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 if 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. *Woodridge Mutual Water Co.* 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.

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Drinking Water Assessment Information

Assessment Information
A Drinking Water Source Assessment was conducted for the WELL 01, WELL 02, WELL 03, WELL 04 of the WOODRIDGE MUTUAL WATER CO water system on April, 2002.

WELL 01 - NOT TREATED - is considered most vulnerable to the following activities not associated with any detected contaminants:
Septic systems - low density [<1/acre]

WELL 02 - NOT TREATED - is considered most vulnerable to the following activities not associated with any detected contaminants:
Septic systems - low density [<1/acre]

WELL 04 - NOT TREATED - is considered most vulnerable to the following activities not associated with any detected contaminants:
Septic systems - low density [<1/acre]

Discussion of Vulnerability
There have been no contaminants detected in the water supply, however the source is still considered vulnerable to activities located near the drinking water source. These activities include the use of private septic systems in the area of the wells. The water system conducts monthly laboratory testing of the water to check for bacteriological contaminants associated with septic systems.

Acquiring Information
A copy of the complete assessment may be viewed at:
Shasta County Environmental Health Division
1855 Placer Streeet, Suite 201
Redding, CA 96001

You may request a summary of the assessment be sent to you by contacting:
Environmental Health
R.E.H.S. - Water Systems Program Manager
(530)225-5787
(530)225-5413 FAX (fax)
scehd@co.shasta.ca.us

Woodridge Mutual Water Co.

Analytical Results By FGL - 2022

LEAD AND COPPER RULE									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	90th Percentile	# Samples
Copper		mg/L		1.3	.3			0.33	5
CuPb-31143 Woodridge	CH 2175368-4	mg/L				2021-07-12	ND		
CuPb-31399 Woodridge	CH 2175368-3	mg/L				2021-07-12	0.36		
CuPb-6822 Winterwood	CH 2175368-5	mg/L				2021-07-12	0.30		
CuPb-6824 Wilson Hill	CH 2175368-1	mg/L				2021-07-12	0.23		
CuPb-6930 Wilson Hill	CH 2175368-2	mg/L				2021-07-12	0.06		

SAMPLING RESULTS FOR SODIUM AND HARDNESS									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Sodium		mg/L		none	none			6	6 - 6
WELL 01 - NOT TREATED	CH 2174339-1	mg/L				2021-06-18	6		
WELL 02 - NOT TREATED	CH 2174336-1	mg/L				2021-06-18	6		
WELL 04 - NOT TREATED	CH 2174337-1	mg/L				2021-06-18	6		
Hardness		mg/L		none	none			112	108 - 117
WELL 01 - NOT TREATED	CH 2174339-1	mg/L				2021-06-18	110		
WELL 02 - NOT TREATED	CH 2174336-1	mg/L				2021-06-18	108		
WELL 04 - NOT TREATED	CH 2174337-1	mg/L				2021-06-18	117		

PRIMARY DRINKING WATER STANDARDS (PDWS)									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Hexavalent Chromium		ug/L			0.02			1.6	ND - 2.8
WELL 01 - NOT TREATED	CH 1771107-1	ug/L				2017-05-03	1.9		
WELL 02 - NOT TREATED	CH 1771107-2	ug/L				2017-05-03	ND		
WELL 04 - NOT TREATED	CH 1771107-3	ug/L				2017-05-03	2.8		
Gross Alpha		pCi/L		15	(0)			1.217	ND - 3.65
WELL 01 - NOT TREATED	CH 1971878-1	pCi/L				2019-03-20	ND		
WELL 02 - NOT TREATED	CH 1971878-2	pCi/L				2019-03-20	ND		
WELL 04 - NOT TREATED	CH 2071594-1	pCi/L				2020-03-25	3.65		

SECONDARY DRINKING WATER STANDARDS (SDWS)									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Chloride		mg/L		500	n/a			1	ND - 1
WELL 01 - NOT TREATED	CH 2174339-1	mg/L				2021-06-18	1		
WELL 02 - NOT TREATED	CH 2174336-1	mg/L				2021-06-18	1		
WELL 04 - NOT TREATED	CH 2174337-1	mg/L				2021-06-18	ND		
Specific Conductance		umhos/cm		1600	n/a			226	223 - 230
WELL 01 - NOT TREATED	CH 2174339-1	umhos/cm				2021-06-18	226		
WELL 02 - NOT TREATED	CH 2174336-1	umhos/cm				2021-06-18	223		
WELL 04 - NOT TREATED	CH 2174337-1	umhos/cm				2021-06-18	230		
Sulfate		mg/L		500	n/a			0.7	0.6 - 0.7
WELL 01 - NOT TREATED	CH 2174339-1	mg/L				2021-06-18	0.7		
WELL 02 - NOT TREATED	CH 2174336-1	mg/L				2021-06-18	0.7		
WELL 04 - NOT TREATED	CH 2174337-1	mg/L				2021-06-18	0.6		
Total Dissolved Solids		mg/L		1000	n/a			163	160 - 170
WELL 01 - NOT TREATED	CH 2174339-1	mg/L				2021-06-18	160		
WELL 02 - NOT TREATED	CH 2174336-1	mg/L				2021-06-18	170		
WELL 04 - NOT TREATED	CH 2174337-1	mg/L				2021-06-18	160		
Turbidity		NTU		5	n/a			0.5	0.1 - 0.9
WELL 01 - NOT TREATED	CH 2174339-1	NTU				2021-06-18	0.1		
WELL 02 - NOT TREATED	CH 2174336-1	NTU				2021-06-18	0.4		

WELL 04 - NOT TREATED	CH 2174337-1	NTU				2021-06-18	0.9		
Zinc		mg/L		5	n/a			ND	ND - 0.07
WELL 01 - NOT TREATED	CH 2174339-1	mg/L				2021-06-18	ND		
WELL 02 - NOT TREATED	CH 2174336-1	mg/L				2021-06-18	0.07		
WELL 04 - NOT TREATED	CH 2174337-1	mg/L				2021-06-18	ND		

ADDITIONAL DETECTIONS

		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Calcium		mg/L			n/a			21	20 - 22
WELL 01 - NOT TREATED	CH 2174339-1	mg/L				2021-06-18	21		
WELL 02 - NOT TREATED	CH 2174336-1	mg/L				2021-06-18	20		
WELL 04 - NOT TREATED	CH 2174337-1	mg/L				2021-06-18	22		
Magnesium		mg/L			n/a			14	14 - 15
WELL 01 - NOT TREATED	CH 2174339-1	mg/L				2021-06-18	14		
WELL 02 - NOT TREATED	CH 2174336-1	mg/L				2021-06-18	14		
WELL 04 - NOT TREATED	CH 2174337-1	mg/L				2021-06-18	15		
pH		units			n/a			7.00	6.89 - 7.11
WELL 01 - NOT TREATED	CH 2174339-1	units				2021-06-18	7.11		
WELL 02 - NOT TREATED	CH 2174336-1	units				2021-06-18	6.89		
WELL 04 - NOT TREATED	CH 2174337-1	units				2021-06-18	7		
Alkalinity		mg/L			n/a			113	110 - 120
WELL 01 - NOT TREATED	CH 2174339-1	mg/L				2021-06-18	110		
WELL 02 - NOT TREATED	CH 2174336-1	mg/L				2021-06-18	110		
WELL 04 - NOT TREATED	CH 2174337-1	mg/L				2021-06-18	120		
Aggressiveness Index					n/a			10.8	10.6 - 10.9
WELL 01 - NOT TREATED	CH 2174339-1					2021-06-18	10.9		
WELL 02 - NOT TREATED	CH 2174336-1					2021-06-18	10.6		
WELL 04 - NOT TREATED	CH 2174337-1					2021-06-18	10.8		
Langelier Index					n/a			-1.0	-1.2 - -0.9
WELL 01 - NOT TREATED	CH 2174339-1					2021-06-18	-0.9		
WELL 02 - NOT TREATED	CH 2174336-1					2021-06-18	-1.2		
WELL 04 - NOT TREATED	CH 2174337-1					2021-06-18	-1.0		

Woodridge Mutual Water Co.

CCR Login Linkage - 2022

FGL Code	Lab ID	Date_Sampled	Method	Description	Property
Bacti-Rout-ss02	CH 2270906-1	2022-02-21	Coliform	31143 Woodridge Drive	Routine Bacteriological Monitoring-2
	CH 2274538-1	2022-06-20	Coliform	31143 Woodridge Drive	Routine Bacteriological Monitoring-2
	CH 2279070-1	2022-10-24	Coliform	31143 Woodridge Drive	Routine Bacteriological Monitoring-2
Bacti-Rout-ss01	CH 2270293-1	2022-01-12	Coliform	31399 Woodridge Drive	Routine Bacteriological Monitoring-1
	CH 2273674-1	2022-05-23	Coliform	31399 Woodridge Drive	Routine Bacteriological Monitoring-1
	CH 2278264-1	2022-09-26	Coliform	31399 Woodridge Drive	Routine Bacteriological Monitoring-1
Bacti-Rout-ss03	CH 2272037-1	2022-03-30	Coliform	6805 Winterwood Drive	Routine Bacteriological Monitoring-3
	CH 2276116-1	2022-07-25	Coliform	6805 Winterwood Drive	Routine Bacteriological Monitoring-3
	CH 2279907-1	2022-11-28	Coliform	6805 Winterwood Drive	Routine Bacteriological Monitoring-3
Bacti-Rout-ss04	CH 2272406-1	2022-04-18	Coliform	6824 Wilson Hill Road	Routine Bacteriological Monitoring-4
	CH 2277502-1	2022-08-31	Coliform	6824 Wilson Hill Road	Routine Bacteriological Monitoring-4
	CH 2290700-1	2022-12-29	Coliform	6824 Wilson Hill Road	Routine Bacteriological Monitoring-4
CuPb-ss04	CH 2175368-4	2021-07-12	Metals, Total	CuPb-31143 Woodridge	Copper & Lead Monitoring
CuPb-ss03	CH 2175368-3	2021-07-12	Metals, Total	CuPb-31399 Woodridge	Copper & Lead Monitoring
CuPb-ss05	CH 2175368-5	2021-07-12	Metals, Total	CuPb-6822 Winterwood	Copper & Lead Monitoring
CuPb-ss01	CH 2175368-1	2021-07-12	Metals, Total	CuPb-6824 Wilson Hill	Copper & Lead Monitoring
CuPb-ss02	CH 2175368-2	2021-07-12	Metals, Total	CuPb-6930 Wilson Hill	Copper & Lead Monitoring
WELL 01	CH 1771107-1	2017-05-03	Wet Chemistry	WELL 01 - NOT TREATED	CrVI Monitoring
	CH 1971878-1	2019-03-20	Radio Chemistry	WELL 01 - NOT TREATED	Radiological - Gross Alpha
	CH 2174339-1	2021-06-18	General Mineral	WELL 01 - NOT TREATED	Well 1 - Water Quality
	CH 2174339-1	2021-06-18	Wet Chemistry	WELL 01 - NOT TREATED	Well 1 - Water Quality
WELL 02RAW	CH 1771107-2	2017-05-03	Wet Chemistry	WELL 02 - NOT TREATED	CrVI Monitoring
	CH 1971878-2	2019-03-20	Radio Chemistry	WELL 02 - NOT TREATED	Radiological - Gross Alpha
	CH 2174336-1	2021-06-18	General Mineral	WELL 02 - NOT TREATED	Well 2 - Water Quality
	CH 2174336-1	2021-06-18	Wet Chemistry	WELL 02 - NOT TREATED	Well 2 - Water Quality
WELL 04	CH 1771107-3	2017-05-03	Wet Chemistry	WELL 04 - NOT TREATED	CrVI Monitoring
	CH 2071594-1	2020-03-25	Radio Chemistry	WELL 04 - NOT TREATED	Well 4 - Gross Alpha
	CH 2174337-1	2021-06-18	General Mineral	WELL 04 - NOT TREATED	Well 4 - Water Quality
	CH 2174337-1	2021-06-18	Wet Chemistry	WELL 04 - NOT TREATED	Well 4 - Water Quality