Consumer Confidence Report
Certification Form

(to be submitted with a copy of the CCR)

(to certify electronic delivery of the CCR, use the certification form on the State Water Board's website at http://www.swrcb.ca.gov/drinking_water/certlic/drinkingwater/CCR.shtml)

Water System Name:	**HUMBOLDT HIGHLANDS MUTUAL**
Water System Number:	**CA0400123**

The water system named above hereby certifies that its Consumer Confidence Report was distributed on _____(date) to customers (and appropriate notices of availability have been given). Further, the system certifies that the information contained in the report is correct and consistent with the compliance monitoring data previously submitted to the State Water Resources Control Board, Division of Drinking Water.

Certified By:	Name:		
	Signature:		
	Title:		
	Phone Number:	( )	Date:

To summarize report delivery used and good-faith efforts taken, please complete the form below by checking all items that apply and fill-in where appropriate:

☐ CCR was distributed by mail or other direct delivery methods. Specify other direct delivery methods used:

E-Mail

☐ "Good faith" efforts were used to reach non-bill paying customers. Those efforts included the following methods:

- ☐ Posted the CCR on the internet at http:// _____
- ☐ Mailed the CCR to postal patrons within the service area (attach zip codes used)
- ☐ Advertised the availability of the CCR in news media (attach a copy of press release)
- ☐ Publication of the CCR in a local newspaper of general circulation (attach a copy of the published notice, including name of the newspaper and date published)
- ☐ Posted the CCR in public places (attach a list of locations)
- ☐ Delivery of multiple copies of CCR to single bill addresses serving several persons, such as apartments, businesses, and schools
- ☐ Delivery to community organizations (attach a list of organizations)
- ☐ Other (attach a list of other methods used)

☐ *For systems serving at least 100,000 persons:* Posted CCR on a publicly-accessible internet site at the following address: http://_____

☐ *For investor-owned utilities:* Delivered the CCR to the California Public Utilities Commission

(This form is provided as a convenience and may be used to meet the certification requirement of section 64483(c), California Code of Regulations.)

2023 Consumer Confidence Report

Water System Name: HUMBOLDT HIGHLANDS MUTUAL Report Date: March 2024

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, 2023.

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 1 source(s): ONLY WELL

Opportunities for public participation in decisions that affect drinking water quality: Regularly-scheduled water board or city/county council meetings are held Bi-Annually at Humbolt Highlands every February and September, date and time are announced a few weeks in advanced.

For more information about this report, or any questions relating to your drinking water, please call (530)895-8171 and ask for Eric Cadd or email fourteenmilehouse@sbcglobal.net.

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 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, 5 and 6 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	2/year (2023)	1	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)	(2023)	5	0.15	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)	(2018)	7	n/a	none	none	Salt present in the water and is generally naturally occurring
Hardness (mg/L)	(2018)	89.4	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**
Gross Alpha (pCi/L)	(2017)	1.04	n/a	15	(0)	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)	(2018)	2	n/a	500	n/a	Runoff/leaching from natural deposits; seawater influence
Specific Conductance (umhos/cm)	(2018)	210	n/a	1600	n/a	Substances that form ions when in water; seawater influence
Total Dissolved Solids (mg/L)	(2018)	150	n/a	1000	n/a	Runoff/leaching from natural deposits
Turbidity (NTU)	(2018)	1	n/a	5	n/a	Soil runoff

Table 6 - 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)	(2018)	21	n/a	n/a	n/a
Magnesium (mg/L)	(2018)	9	n/a	n/a	n/a
pH (units)	(2018)	7	n/a	n/a	n/a
Alkalinity (mg/L)	(2018)	100	n/a	n/a	n/a
Aggressiveness Index	(2018)	10.7	n/a	n/a	n/a
Langelier Index	(2018)	-1.1	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 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. *Humboldt Highlands MWC* 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.

2023 Consumer Confidence Report

Drinking Water Assessment Information

Assessment Information
A source water assessment was conducted for the ONLY WELL of the HUMBOLDT HIGHLANDS MUTUAL water system in August, 2002.

ONLY WELL - is considered most vulnerable to the following activities not associated with any detected contaminants:
Injection wells/dry wells/ sumps
Septic systems - high 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 operation of community leachfield area and septic tank effluent pump systems that are located within Zone A of the subject well.

Acquiring Information
A copy of the complete assessment may be viewed at:
Butte County Division of Environmental Health
202 Mira Loma Drive
Oroville, CA 95965

You may request a summary of the assessment be sent to you by contacting:
Butte County Health Department
Division of Environmental Health
530-538-7282
530-538-2165 (fax)

Humboldt Highlands MWC

Analytical Results By FGL - 2023

MICROBIOLOGICAL CONTAMINANTS									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Total Coliform Bacteria			0	5%	n/a			1	1 - 1
14820 Eagle Ridge	CH 2375764-3					2023-07-21	<1.0		
14868 Eagle Ridge	CH 2390668-1					2023-12-21	Absent		
14868 Eagle Ridge	CH 2379558-1					2023-11-09	Absent		
14868 Eagle Ridge	CH 2378721-1					2023-10-10	Absent		
14868 Eagle Ridge	CH 2377966-1					2023-09-25	Absent		
14868 Eagle Ridge	CH 2377373-1					2023-08-30	Absent		
14868 Eagle Ridge	CH 2375764-1					2023-07-21	1		
14868 Eagle Ridge	CH 2375715-1					2023-07-20	Present		
14868 Eagle Ridge	CH 2374418-1					2023-06-22	Absent		
14868 Eagle Ridge	CH 2373488-1					2023-05-31	Absent		
14868 Eagle Ridge	CH 2372574-1					2023-04-25	Absent		
14868 Eagle Ridge	CH 2371562-1					2023-03-08	Absent		
14868 Eagle Ridge	CH 2370542-1					2023-02-09	Absent		
14868 Eagle Ridge	CH 2370424-1					2023-01-19	Absent		
14936 Eagle Ridge	CH 2375764-2					2023-07-21	<1.0		

LEAD AND COPPER RULE									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	90th Percentile	# Samples
Copper		mg/L		1.3	.3			0.145	5
14760 Eagle Rdige Dr	CH 2378520-5	mg/L				2023-09-29	ND		
14790 Eagle Rdge Dr	CH 2378520-1	mg/L				2023-09-29	0.09		
14830 Eagle Rdg Dr	CH 2378520-4	mg/L				2023-09-29	0.16		
14916 Eagle Rdge Dr	CH 2378520-2	mg/L				2023-09-29	0.08		
14936 Eagle Rdge Dr	CH 2378520-3	mg/L				2023-09-29	0.13		

SAMPLING RESULTS FOR SODIUM AND HARDNESS									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Sodium		mg/L		none	none			7	7 - 7
ONLY WELL	CH 1870965-1	mg/L				2018-02-07	7		
Hardness		mg/L		none	none			89.4	89.4 - 89.4
ONLY WELL	CH 1870965-1	mg/L				2018-02-07	89.4		

PRIMARY DRINKING WATER STANDARDS (PDWS)									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Gross Alpha		pCi/L		15	(0)			1.04	1.04 - 1.04
ONLY WELL	CH 1770862-1	pCi/L				2017-02-01	1.04		

SECONDARY DRINKING WATER STANDARDS (SDWS)									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Chloride		mg/L		500	n/a			2	2 - 2
ONLY WELL	CH 1870965-1	mg/L				2018-02-07	2		
Specific Conductance		umhos/cm		1600	n/a			210	210 - 210
ONLY WELL	CH 1870965-1	umhos/cm				2018-02-07	210		
Total Dissolved Solids		mg/L		1000	n/a			150	150 - 150
ONLY WELL	CH 1870965-1	mg/L				2018-02-07	150		
Turbidity		NTU		5	n/a			1.0	1.0 - 1.0
ONLY WELL	CH 1870965-1	NTU				2018-02-07	1.0		

ADDITIONAL DETECTIONS									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Calcium		mg/L			n/a			21	21 - 21
ONLY WELL	CH 1870965-1	mg/L				2018-02-07	21		
Magnesium		mg/L			n/a			9	9 - 9
ONLY WELL	CH 1870965-1	mg/L				2018-02-07	9		
pH		units			n/a			7.0	7.0 - 7.0
ONLY WELL	CH 1870965-1	units				2018-02-07	7.0		
Alkalinity		mg/L			n/a			100	100 - 100
ONLY WELL	CH 1870965-1	mg/L				2018-02-07	100		
Aggressiveness Index					n/a			10.7	10.7 - 10.7
ONLY WELL	CH 1870965-1					2018-02-07	10.7		
Langelier Index					n/a			-1.1	-1.1 - -1.1
ONLY WELL	CH 1870965-1					2018-02-07	-1.1		

Humboldt Highlands MWC

CCR Login Linkage - 2023

FGL Code	Lab ID	Date_Sampled	Method	Description	Property
DST_LCR	CH 2378520-5	2023-09-29	Metals, Total	14760 Eagle Rdige Dr	Lead & Copper Monitoring
	CH 2378520-1	2023-09-29	Metals, Total	14790 Eagle Rdge Dr	Lead & Copper Monitoring
14820 EAGLE RDG	CH 2375764-3	2023-07-21	Coliform	14820 Eagle Ridge	Drinking Water Monitoring
DST_LCR	CH 2378520-4	2023-09-29	Metals, Total	14830 Eagle Rdg Dr	Lead & Copper Monitoring
14868 Eagle Rdg	CH 2370424-1	2023-01-19	Coliform	14868 Eagle Ridge	Drinking Water Monitoring
	CH 2370542-1	2023-02-09	Coliform	14868 Eagle Ridge	Drinking Water Monitoring
	CH 2371562-1	2023-03-08	Coliform	14868 Eagle Ridge	Drinking Water Monitoring
	CH 2372574-1	2023-04-25	Coliform	14868 Eagle Ridge	Drinking Water Monitoring
	CH 2373488-1	2023-05-31	Coliform	14868 Eagle Ridge	Drinking Water Monitoring
	CH 2374418-1	2023-06-22	Coliform	14868 Eagle Ridge	Drinking Water Monitoring
	CH 2375715-1	2023-07-20	Coliform	14868 Eagle Ridge	Drinking Water Monitoring
	CH 2375764-1	2023-07-21	Coliform	14868 Eagle Ridge	Drinking Water Monitoring
	CH 2377373-1	2023-08-30	Coliform	14868 Eagle Ridge	Drinking Water Monitoring
	CH 2377966-1	2023-09-25	Coliform	14868 Eagle Ridge	Drinking Water Monitoring
	CH 2378721-1	2023-10-10	Coliform	14868 Eagle Ridge	Drinking Water Monitoring
	CH 2379558-1	2023-11-09	Coliform	14868 Eagle Ridge	Drinking Water Monitoring
	CH 2390668-1	2023-12-21	Coliform	14868 Eagle Ridge	Drinking Water Monitoring
DST_LCR	CH 2378520-2	2023-09-29	Metals, Total	14916 Eagle Rdge Dr	Lead & Copper Monitoring
	CH 2378520-3	2023-09-29	Metals, Total	14936 Eagle Rdge Dr	Lead & Copper Monitoring
14936 EAGLE RDG	CH 2375764-2	2023-07-21	Coliform	14936 Eagle Ridge	Drinking Water Monitoring
ONLY WELL	CH 1770862-1	2017-02-01	Radio Chemistry	ONLY WELL	Water Quality - Radio
	CH 1870965-1	2018-02-07	General Mineral	ONLY WELL	Water Quality Monitoring
	CH 1870965-1	2018-02-07	Wet Chemistry	ONLY WELL	Water Quality Monitoring