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:	**LAKE FOREST MUTUAL W.C.**
Water System Number:	**CA1800511**

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:	LARRY VOGAN	
	Signature:	LE Vog	
	Title:	BOARD PRESIDENT	
	Phone Number:	(530) 257-3370	Date: 4-9-25

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:

_____

_____

☐ "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.)

2024 Consumer Confidence Report

Water System Name: LAKE FOREST MUTUAL W.C. Report Date: March 2025

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, 2024.

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 2 source(s): WELL 01 and WELL 02

Opportunities for public participation in decisions that affect drinking water quality: Regularly-scheduled water board or city/county council meetings are held at 478-220 Lake Forest Dr. every Second Wednesday of the month at 5:00 pm.

For more information about this report, or any questions relating to your drinking water, please call (530) 257 - 0310 and ask for Larry Vogan or email lvogan@frontiernet.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.

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.

Table(s) 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 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	0 (2024)	ND	no more than 1 positive monthly sample	0	Naturally present in the environment.
Fecal coliform and E. coli	0 (2024)	ND			Human and animal fecal waste.

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**
Lead (ug/L)	(2024)	10	0	0	15	0.2	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers, erosion of natural deposits
Copper (mg/L)	(2024)	10	0.07	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)	(2017)	7	6 - 8	none	none	Salt present in the water and is generally naturally occurring

Hardness (mg/L)	(2017)	74.5	70.3 - 78.6	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
Hexavalent Chromium (ug/L)	(2017)	ND	ND - 1.4		0.02	Discharge from electroplating factories, leather tanneries, wood preservation, chemical synthesis, refractory production, and textile manufacturing facilities; erosion of natural deposits.
Nitrate + Nitrite as N (mg/L)	(2017)	ND	ND - 0.4	10	10	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Gross Alpha (pCi/L)	(2017)	1.165	ND - 2.33	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)	(2017)	3	ND - 6	500	n/a	Runoff/leaching from natural deposits; seawater influence
Iron (ug/L)	(2017)	730	50 - 1410	300	n/a	Leaching from natural deposits; Industrial wastes
Specific Conductance (umhos/cm)	(2017)	190	189 - 191	1600	n/a	Substances that form ions when in water; seawater influence
Total Dissolved Solids (mg/L)	(2017)	115	110 - 120	1000	n/a	Runoff/leaching from natural deposits
Turbidity (NTU)	(2017)	2	0.3 - 3.6	5	n/a	Soil runoff
Zinc (mg/L)	(2017)	0.08	0.06 - 0.09	5	n/a	Runoff/leaching from natural deposits

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)	(2017)	15	n/a	n/a	n/a
Magnesium (mg/L)	(2017)	9	8 - 10	n/a	n/a
pH (units)	(2017)	7.7	7.5 - 7.9	n/a	n/a
Alkalinity (mg/L)	(2017)	85	80 - 90	n/a	n/a
Aggressiveness Index	(2017)	11.2	11.0 - 11.4	n/a	n/a
Langelier Index	(2017)	-0.6	-0.8 - -0.4	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. *Lake Forest Mutual Water Company* 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**
Iron				Iron was found at levels that exceed the secondary MCL. The Iron MCL was set to protect you against unpleasant aesthetic affects such as color, taste, odor and the staining of plumbing fixtures (e.g., tubs and sinks), and clothing while washing. Violating this MCL does not pose a risk to public health.

2024 Consumer Confidence Report

Drinking Water Assessment Information

Assessment Information

A source water assessment was conducted for the WELL 01 and the WELL 02 of the LAKE FOREST MUTUAL W.C. water system in March, 2002.

WELL 01 - is considered most vulnerable to the following activities associated with contaminants detected in the water supply:
Septic systems - high density [>1/acre]
Septic systems - low density [<1/acre]
is considered most vulnerable to the following activities not associated with any detected contaminants:
Above ground storage tanks
Parks

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

Discussion of Vulnerability

Due to the detection of Nitrate, Well 01 is considered most vulnerable to activities that may have contributed to or caused the release of Nitrates. Nitrate is associated with runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits. Nitrate was detected at Well 01 before August 1999, with the results reaching up to 2.4 MG/L. However it has been non-detected since August 1999.

Well 01 has also tested positive for Barium (March 2001) but not over the regulatory limit, and has been non-detected since March 2001. Well 02 has tested positive but not above the regulatory limit for Chromium (May 2001), Barium

(May 2001) and Gross Alpha Particles (December 1994). All three of these substances are naturally occurring and have not been detected.

Acquiring Information
A copy of the complete assessment may be viewed at:
Lake Forest Mutual Water Company
Lake Forest Drive & Janet Way
Susanville, CA 96130

You may request a summary of the assessment be sent to you by contacting:
Mike Burgess
Staff Engineer
(530) 224-6506

Lake Forest Mutual Water Company

Analytical Results By FGL - 2024

MICROBIOLOGICAL CONTAMINANTS									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Total Coliform Bacteria			0	5%	n/a			ND	-
Pump #1	CH 2478414-1					2024-09-11	Absent		
Pump House #1	CH 2491028-1					2024-12-04	Absent		
Station #1	CH 2471922-1					2024-03-20	Absent		
Station #1	CH 2470967-1					2024-02-15	Absent		
Station #1	CH 2470075-1					2024-01-04	Absent		
Fecal coliform and E. coli				0	n/a			ND	-
Pump #1	CH 2478414-1					2024-09-11	Absent		
Pump House #1	CH 2491028-1					2024-12-04	Absent		
Station #1	CH 2471922-1					2024-03-20	Absent		
Station #1	CH 2470967-1					2024-02-15	Absent		
Station #1	CH 2470075-1					2024-01-04	Absent		

LEAD AND COPPER RULE									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	90th Percentile	# Samples
Lead		ug/L	0	15	0.2				10
477-950 Lake Forest	CH 2476094-2	ug/L				2024-07-10	ND		
478-105 Lake Forest Dr.	CH 2476094-1	ug/L				2024-07-10	ND		
478-135 Lake Forest	CH 2476094-3	ug/L				2024-07-10	ND		
478-190 Estates Dr.	CH 2476094-7	ug/L				2024-07-10	ND		
478-190 Lake Forest	CH 2476094-8	ug/L				2024-07-10	ND		
478-345 Forest Dr.	CH 2476094-5	ug/L				2024-07-10	ND		
478-405 Alta	CH 2476094-4	ug/L				2024-07-10	ND		
478-465 Estates Dr.	CH 2476094-6	ug/L				2024-07-10	ND		
691-180 Cedar	CH 2476094-10	ug/L				2024-07-10	ND		
691-355 Las Plumas	CH 2476094-9	ug/L				2024-07-10	ND		
Copper		mg/L		1.3	.3			0.07	10
477-950 Lake Forest	CH 2476094-2	mg/L				2024-07-10	0.06		
478-105 Lake Forest Dr.	CH 2476094-1	mg/L				2024-07-10	0.07		
478-135 Lake Forest	CH 2476094-3	mg/L				2024-07-10	ND		
478-190 Estates Dr.	CH 2476094-7	mg/L				2024-07-10	ND		
478-190 Lake Forest	CH 2476094-8	mg/L				2024-07-10	ND		
478-345 Forest Dr.	CH 2476094-5	mg/L				2024-07-10	0.07		
478-405 Alta	CH 2476094-4	mg/L				2024-07-10	ND		
478-465 Estates Dr.	CH 2476094-6	mg/L				2024-07-10	ND		
691-180 Cedar	CH 2476094-10	mg/L				2024-07-10	ND		
691-355 Las Plumas	CH 2476094-9	mg/L				2024-07-10	0.05		

SAMPLING RESULTS FOR SODIUM AND HARDNESS									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Sodium		mg/L		none	none			7	6 - 8
WELL 01	CH 1773371-1	mg/L				2017-05-17	6		
WELL 02	CH 1773371-2	mg/L				2017-05-17	8		
Hardness		mg/L		none	none			74.5	70.3 - 78.6
WELL 01	CH 1773371-1	mg/L				2017-05-17	78.6		
WELL 02	CH 1773371-2	mg/L				2017-05-17	70.3		

PRIMARY DRINKING WATER STANDARDS (PDWS)									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Hexavalent Chromium		ug/L			0.02			ND	ND - 1.4
WELL 01	CH 1773371-1	ug/L				2017-05-17	ND		

WELL 02	CH 1773371-2	ug/L				2017-05-17	1.4		
Nitrate + Nitrite as N		mg/L		10	10			ND	ND - 0.4
WELL 01	CH 1773371-1	mg/L				2017-05-17	0.4		
WELL 02	CH 1773371-2	mg/L				2017-05-17	ND		
Gross Alpha		pCi/L		15	(0)			1.165	ND - 2.33
WELL 01	CH 1773371-1	pCi/L				2017-05-17	ND		
WELL 02	CH 1773371-2	pCi/L				2017-05-17	2.33		

SECONDARY DRINKING WATER STANDARDS (SDWS)

		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Chloride		mg/L		500	n/a			3	ND - 6
WELL 01	CH 1773371-1	mg/L				2017-05-17	6		
WELL 02	CH 1773371-2	mg/L				2017-05-17	ND		
Iron		ug/L		300	n/a			730	50 - 1410
WELL 01	CH 1773371-1	ug/L				2017-05-17	50		
WELL 02	CH 1773371-2	ug/L				2017-05-17	1410		
Specific Conductance		umhos/cm		1600	n/a			190	189 - 191
WELL 01	CH 1773371-1	umhos/cm				2017-05-17	191		
WELL 02	CH 1773371-2	umhos/cm				2017-05-17	189		
Total Dissolved Solids		mg/L		1000	n/a			115	110 - 120
WELL 01	CH 1773371-1	mg/L				2017-05-17	110		
WELL 02	CH 1773371-2	mg/L				2017-05-17	120		
Turbidity		NTU		5	n/a			2.0	0.3 - 3.6
WELL 01	CH 1773371-1	NTU				2017-05-17	0.3		
WELL 02	CH 1773371-2	NTU				2017-05-17	3.6		
Zinc		mg/L		5	n/a			0.08	0.06 - 0.09
WELL 01	CH 1773371-1	mg/L				2017-05-17	0.06		
WELL 02	CH 1773371-2	mg/L				2017-05-17	0.09		

ADDITIONAL DETECTIONS

		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Calcium		mg/L			n/a			15	15 - 15
WELL 01	CH 1773371-1	mg/L				2017-05-17	15		
WELL 02	CH 1773371-2	mg/L				2017-05-17	15		
Magnesium		mg/L			n/a			9	8 - 10
WELL 01	CH 1773371-1	mg/L				2017-05-17	10		
WELL 02	CH 1773371-2	mg/L				2017-05-17	8		
pH		units			n/a			7.7	7.5 - 7.9
WELL 01	CH 1773371-1	units				2017-05-17	7.5		
WELL 02	CH 1773371-2	units				2017-05-17	7.9		
Alkalinity		mg/L			n/a			85	80 - 90
WELL 01	CH 1773371-1	mg/L				2017-05-17	80		
WELL 02	CH 1773371-2	mg/L				2017-05-17	90		
Aggressiveness Index					n/a			11.2	11.0 - 11.4
WELL 01	CH 1773371-1					2017-05-17	11.0		
WELL 02	CH 1773371-2					2017-05-17	11.4		
Langelier Index					n/a			-0.6	-0.8 - -0.4
WELL 01	CH 1773371-1					2017-05-17	-0.8		
WELL 02	CH 1773371-2					2017-05-17	-0.4		

Lake Forest Mutual Water Company

CCR Login Linkage - 2024

FGL Code	Lab ID	Date_Sampled	Method	Description	Property
DST_LCR	CH 2476094-2	2024-07-10	Metals, Total	477-950 Lake Forest	Copper & Lead Monitoring
	CH 2476094-1	2024-07-10	Metals, Total	478-105 Lake Forest Dr.	Copper & Lead Monitoring
	CH 2476094-3	2024-07-10	Metals, Total	478-135 Lake Forest	Copper & Lead Monitoring
	CH 2476094-7	2024-07-10	Metals, Total	478-190 Estates Dr.	Copper & Lead Monitoring
	CH 2476094-8	2024-07-10	Metals, Total	478-190 Lake Forest	Copper & Lead Monitoring
	CH 2476094-5	2024-07-10	Metals, Total	478-345 Forest Dr.	Copper & Lead Monitoring
	CH 2476094-4	2024-07-10	Metals, Total	478-405 Alta	Copper & Lead Monitoring
	CH 2476094-6	2024-07-10	Metals, Total	478-465 Estates Dr.	Copper & Lead Monitoring
	CH 2476094-10	2024-07-10	Metals, Total	691-180 Cedar	Copper & Lead Monitoring
	CH 2476094-9	2024-07-10	Metals, Total	691-355 Las Plumas	Copper & Lead Monitoring
Pump #1	CH 2478414-1	2024-09-11	Coliform	Pump #1	Bacteriological Monitoring
Pump House 1	CH 2491028-1	2024-12-04	Coliform	Pump House #1	Water Monitoring
STA #1	CH 2470075-1	2024-01-04	Coliform	Station #1	Drinking Water Monitoring
	CH 2470967-1	2024-02-15	Coliform	Station #1	Bacteriological Monitoring
	CH 2471922-1	2024-03-20	Coliform	Station #1	Bacteriological Monitoring
WELL 01	CH 1773371-1	2017-05-17	General Mineral	WELL 01	Water Quality Monitoring
	CH 1773371-1	2017-05-17	Radio Chemistry	WELL 01	Water Quality Monitoring
	CH 1773371-1	2017-05-17	Wet Chemistry	WELL 01	Water Quality Monitoring
WELL 02	CH 1773371-2	2017-05-17	Wet Chemistry	WELL 02	Water Quality Monitoring
	CH 1773371-2	2017-05-17	General Mineral	WELL 02	Water Quality Monitoring
	CH 1773371-2	2017-05-17	Radio Chemistry	WELL 02	Water Quality Monitoring