Meadowridge Mutual Water Company

Consumer Confidence Report (2024)

April 22, 2025

2024 Water Quality Report

For

Meadowridge Mutual Water Company

Water System #4400665

Meadowridge Mutual Water Company is proud to present our annual water quality report covering all testing information performed. Starting in January of 2019, Weber-Hayes and Associates (WHA) was brought on as the system operator and manages all water system sampling, regulatory compliance, and reporting. As such, this report has been updated and submitted by WHA on behalf of the Meadowridge Mutual Water Company (MMWC). All records are updated and maintained by WHA.

We want you to understand the efforts made to provide safe and reliable drinking water. We periodically test water from the system per regulatory requirements. All groundwater constituents tested for (i.e., bacteria, minerals, chemicals) met EPA and State drinking water standards, except for:

- From December 2023 to February 2025, groundwater from Well-2 contained iron concentrations ranging from 0.19 to 1.01 milligrams per Liter (mg/L). Several tests conducted in this timeframe exceeded the State Maximum Contaminant Level (MCL) of 0.3 mg/L. We will continue to monitor iron concentrations quarterly throughout 2025. Iron is a secondary contaminant, meaning that the "secondary" MCL refers to the effects on taste, odor, or appearance of the drinking water, not the health of consumers. High levels of Iron may cause rust color staining on tubs, sinks and clothing. To our knowledge, these elevated iron levels have not been a nuisance at MMWC – nor are they considered a health concern.

This "Consumer Confidence Report" includes a full list of those constituents, when they were last sampled, and whether they met the respective State Maximum Contaminant Levels (MCL). Again, all constituents met the MCL – except for iron as explained above. Please see Table 2 for further details.

Water System Details

Our water system has fifteen service connections and serves approximately thirty-eight full-time residents. Our water is supplied by two groundwater wells (Well-1 and Well-2). Well-2 is the primary source of our water supply. Well-2 is a secondary supply well, which provides a relatively small amount of water. All groundwater from these wells is pumped into two, 40,000-gallon steel tanks. The height / elevation of the storage tanks provides gravity pressure throughout the water distribution system.

In 2024, our water system used 4,676,375 gallons of water, of which 94% came from Well-2 and 6% came from Well-1. Our water system used 4.5% more water in 2024, as compared to 2023. See the attached water usage table for details.

Santa Cruz County near Corralitos is in drought status (based on generally limited precipitation during the past several rainy seasons). The Meadowridge Mutual Water Company requests that all residents continue to reduce water consumption wherever possible. Drip irrigation systems, soaker hoses, and rain sensing shut offs are all great ways to reduce water waste when watering outdoors. The key to proper irrigation is to not allow water to run-off landscaping or flow to the gutters. Avoid irrigating between 11 a.m. and 7 p.m. and irrigate conservatively to help preserve our precious resource.

Annual meetings are held the third Tuesday in April at a residence within the subdivision.

Source of Drinking Water Contamination

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 storm water 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 storm water 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 storm water 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 United States Environmental Protection Agency (US-EPA) and the California State Water Board (Division of Drinking Water) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. Please note that 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.**

Some people may be more vulnerable to contaminants in drinking water than the general population. Individuals with health issues such as a person with cancer undergoing chemotherapy, a person who has 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. US-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) or online at www.epa.gov/safewater.

The attached tables summarize the two source wells and distribution system analytical data results. A water usage table is also attached.

Terms Used in this Report (or other relevant water system terms)

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) or Public Health Goal (PHG): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the USEPA. PHGs are set by the California 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, reporting and water treatment requirements.

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.

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.

Variances and Exemptions: Department permission to exceed an MCL or not comply with a treatment technique under certain conditions.

ND: not detectable at testing limit

Table 1: Summary of Source Well-1 (-001) Analytical Results

Meadowridge Mutual Water System I.D. No. #4400665 (-001)

WELL #1 (-001) [backup, lower, older well]

Analyte	Date last Sampled	Results (ppm; mg/L) (unless otherwise noted)	MCL (ppm; mg/L)
SDWIS - INORGANICS			
Aluminum (Al)	5/8/19	ND	0.2 [2] | 1
Antimony (Sb)	5/8/19	ND	0.006
Arsenic (As)	5/8/19	ND	0.01
	5/11/22	0.008	
Barium (Ba)	5/8/19	ND	1
Beryllium (Be)	5/8/19	ND	0.004
Boron (B)	5/8/19	0.110	*CA-AL: 1
Cadmium (Cd)	5/8/19	ND	0.005
Chromium (Cr)	5/8/19	0.006	0.05
Cyanide (CN)	5/8/19	ND	0.15
Fluoride (F)	6/10/19	0.16	2.0
Lead (Pb)	5/8/19	ND	*AL: 0.015
Mercury (Hg)	5/8/19	ND	0.002
Nickel (Ni)	5/8/19	ND	0.1
Selenium (Se)	5/8/19	ND	0.05
Thallium (Tl)	5/8/19	ND	0.002
SDWIS - SECONDARY / GP			
Bicarbonate Alkalinity (as HCO3)	6/10/19	280	--
Carbonate Alkalinity (as CO3)	6/10/19	ND	--
Total Alkalinity (as $CaCO_3$)	6/10/19	230	--
Calcium (Ca)	6/10/19	64	--
Chloride (Cl)	6/10/19	19	500 [2]
Color (Co/Pt) (Units)	6/10/19	ND	15 [2]
Copper (Cu)	5/8/19	ND	*AL: 1.3 | 1.0 [2]
Foaming Agents MBAS (Surfactants)	5/8/19	ND	0.5 [2]
Hardness, Total (as $CaCO_3$)	6/10/19	250	--
Hydroxide as Calcium Carbonate	---	---	---
Iron (Fe), total	6/10/19	ND	0.3 [2]
Magnesium (Mg)	6/10/19	22	--
Manganese (Mn)	6/10/19	ND	0.05 [2]
Odor T.O.N. (Threshold Number)	6/10/19	ND	3 [2]
pH value (pH units)	6/10/19	8.2	6.5 - 8.5 [2a]
Potassium (K)	6/10/19	2.2	--
Silver (Ag)	5/8/19	ND	0.1 [2]
Sodium (Na)	6/10/19	27	--
Specific Conductivity (µS/cm)	6/10/19	560	1,600 [2]
Sulfate (SO_4)	6/10/19	55	500 [2]
Total Dissolved Solids	6/10/19	350	1,000 [2]
Turbidity (NTU)	6/10/19	0.3	5 [2]
Zinc (Zn)	6/10/19	0.34	5 [2]

Table 1: Summary of Source Well-1 (-001) Analytical Results

Meadowridge Mutual Water System I.D. No. #4400665 (-001)

WELL #1 (-001) [backup, lower, older well]

Analyte	Date last Sampled	Results (ppm; mg/L) (unless otherwise noted)	MCL (ppm; mg/L)
SDWIS - NITRATES			
Nitrate (as N)	6/10/19	1.1	10
	7/28/21	1.3	
	5/11/22	1.2	
	5/16/23	1.2	
	5/24/24	1.9	
Nitrite (as N)	5/8/19	ND	1
	5/11/22	ND	
Nitrate-N + Nitrite-N	5/8/19	1.2	10
	5/11/22	1.2	
OTHER			
Hexavalent Chromium (Cr^{+6})	2/27/25	0.0073	0.01 [a]
Perchlorate	6/10/19	ND	0.006
	6/16/22		
Synthetic Organic Compounds (SOC)	4/13/15	ND	varies
	4/23/24	ND	
Volatile Organic Compounds (VOC)	2/18/20	ND	varies
1,2,3 Trichloropropane (TCP)	5/11/22	ND	0.000005
Gross Alpha	6/10/19	1.14	15 pCi/L
	6/16/22	1.72	

All Data & MCLs QC'd on 4/15/25 by: R. Ciervo (WHA)

NOTES:

Not all analytes are sampled every year. Most recent data is shown.

ppm = parts per million; which is equivalent to milligrams per liter (mg/L)

MCL = Maximum Contaminant Level. Primarily based on US Environmental Protection Agency (EPA) & California drinking water regulations

ND = Not Detected at or above the laboratory's Reporting Limit

2 = Secondary MCLs are set to protect the odor, taste, and appearance of drinking water and DO NOT affect health at that level

2a = EPA secondary drinking water standard

a = MCL is no longer in effect

*California (CA-NL) and/or EPA Action Levels (AL) are shown for analytes which do not have an MCL

1,2,3-TCP = 1,2,3-Trichloropropane

pCi/L = picocuries per liter

NTU = Nephelometric Turbidity Units

Boron (B) = this analyte is not required per the SDWIS website

Table 2: Summary of Source Well-2 (-002) Analytical Results
Meadowridge Mutual Water System I.D. No. #4400665
WELL #2 (-002) [primary, upper, newer well]

Analyte	Date Sampled	Results (ppm; mg/L) (unless otherwise noted)	MCL (ppm; mg/L)
SDWIS - INORGANICS			
Aluminum (Al)	2/11/20	ND	0.2 [2] | 1
Antimony (Sb)	2/11/20	ND	0.006
Arsenic (As)	2/11/20	ND	0.01
Barium (Ba)	2/11/20	ND	1
Beryllium (Be)	2/11/20	ND	0.004
Boron (B)	2/11/20	ND	*CA-AL: 1
Cadmium (Cd)	2/11/20	ND	0.005
Chromium (Cr)	2/11/20	0.0021	0.05
Cyanide (CN)	2/11/20	ND	0.15
Fluoride (F)	6/10/19	0.16	2.0
Lead (Pb)	2/11/20	ND	*AL: 0.015
Mercury (Hg)	2/11/20	ND	0.002
Nickel (Ni)	2/11/20	ND	0.1
Selenium (Se)	2/11/20	ND	0.05
Thallium (Tl)	2/11/20	ND	0.002
SDWIS - SECONDARY / GP			
Bicarbonate Alkalinity (as HCO3)	2/11/20	210	--
Carbonate Alkalinity (as CO3)	2/11/20	ND	--
Total Alkalinity (as $CaCO_3$)	2/11/20	180	--
Calcium (Ca)	2/11/20	41	--
Chloride (Cl)	2/11/20	13	500 [2]
Color (Co/Pt) (Units)	2/11/20	ND	15 [2]
Copper (Cu)	6/10/19	ND	*AL: 1.3 | 1.0 [2]
Foaming Agents MBAS (Surfactants)	9/26/22	ND	0.5 [2]
Hardness, Total (as $CaCO_3$)	2/11/20	180	--
Iron (Fe), total	2/11/20	0.41 **	0.3 [2]
Iron (Fe), total	12/28/23	0.37 **	0.3 [2]
Iron (Fe), total	2/23/24	0.25	0.3 [2]
Iron (Fe), total	3/19/24	0.19	0.3 [3]
Iron (Fe), total	5/22/24	0.19	0.3 [3]
Iron (Fe), total	8/26/24	0.61 **	0.3 [3]
Iron (Fe), total	11/13/24	1.01 **	0.3 [3]
Iron (Fe), total	2/27/25	0.34 **	0.3 [3]
Magnesium (Mg)	2/11/20	18	--
Manganese (Mn)	2/11/20	0.04	0.05 [2]
Odor T.O.N. (Threshold Number)	2/11/20	ND	3 [2]
pH value	2/11/20	7.8	6.5 - 8.5 [2a]
Potassium (K)	2/11/20	2.1	--
Silver (Ag)	2/11/20	ND	0.1 [2]
Sodium (Na)	2/11/20	20	--
Specific Conductivity	2/11/20	410	1,600 µS/cm [2]
Sulfate (SO_4)	2/11/20	27	500 [2]
Total Dissolved Solids	2/11/20	250	1,000 [2]
Turbidity (NTU)	2/11/20	3.5	5 [2]
Zinc (Zn)	2/11/20	0.082	5 [2]

Table 2: Summary of Source Well-2 (-002) Analytical Results
Meadowridge Mutual Water System I.D. No. #4400665

WELL #2 (-002) [primary, upper, newer well]

Analyte	Date Sampled	Results (ppm; mg/L) (unless otherwise noted)	MCL (ppm; mg/L)
SDWIS - NITRATES			
Nitrate (as N)	2/25/22	1.8	10
	2/9/23	2	
	5/24/24	2.2	
Nitrite (as N)	2/11/20	ND	1
	2/9/23	ND	
Nitrate-N + Nitrite-N	2/11/20	1.8	10
	2/9/23	2.2	
OTHER			
Hexavalent Chromium (Cr^{+6})	2/27/25	0.00059	0.01 [a]
Perchlorate	3/4/20	ND	0.006
	3/28/23	ND	
Synthetic Organic Compounds (SOC)	8/31/22	ND	varies
Volatile Organic Compounds (VOC)	2/18/20	ND	varies
1,2,3 Trichloropropane (TCP)	5/11/22	ND	0.000005
Gross Alpha	3/4/20	1.20	15 pCi/L
	3/28/23	0.402	

Data QC performed on 4/15/25 by: R. Ciervo (WHA)

NOTES:

Not all analytes are sampled every year. Most recent data is shown.

ppm = parts per million; which is equivalent to milligrams per liter (mg/L)

MCL = Maximum Contaminant Level. Primarily based on US Environmental Protection Agency (EPA) & California drinking water regulations

ND = Not Detected at or above the laboratory's Reporting Limit

2 = Secondary MCLs are set to protect the odor, taste, and appearance of drinking water and DO NOT affect health at that level

2a = EPA secondary drinking water standard

a = MCL is no longer in effect

*California (CA-NL) and/or EPA Action Levels (AL) are shown for analytes which do not have an MCL

** Indicates a secondary MCL exceedance. Secondary MCLs are set to protect the odor, taste, and appearance of drinking water and DO NOT affect health at that level.

1,2,3-TCP = 1,2,3-Trichloropropane

pCi/L = picocuries per liter

NTU = Nephelometric Turbidity Units

Boron (B) = this analyte is not required per the SDWIS website

Meadowridge 2024 - Water Usage

							#1 + #2
Well	#2	Jan	2024		81,375	GAL	137,787
Well	#2	Feb	2024		121,431	GAL	133,820
Well	#2	Mar	2024		149,211	GAL	161,896
Well	#2	Apr	2024		198,967	GAL	209,319
Well	#2	May	2024		371,793	GAL	404,384
Well	#2	Jun	2024		603,742	GAL	621,603
Well	#2	Jul	2024		694,494	GAL	712,963
Well	#2	Aug	2024		574,995	GAL	626,587
Well	#2	Sep	2024		615,355	GAL	633,091
Well	#2	Oct	2024		576,892	GAL	593,991
Well	#2	Nov	2024		220,936	GAL	234,996
Well	#2	Dec	2024		194,224	GAL	205,939
				Total	4,403,415		4,676,375

Well	#1	Jan	2024		56,412.2	GAL
Well	#1	Feb	2024		12,388.6	GAL
Well	#1	Mar	2024		12,684.7	GAL
Well	#1	Apr	2024		10,352.2	GAL
Well	#1	May	2024		32,591.1	GAL
Well	#1	Jun	2024		17,861.0	GAL
Well	#1	Jul	2024		18,469.0	GAL
Well	#1	Aug	2024		51,591.5	GAL
Well	#1	Sep	2024		17,735.5	GAL
Well	#1	Oct	2024		17,099.2	GAL
Well	#1	Nov	2024		14,060.3	GAL
Well	#1	Dec	2024		11,714.5	GAL
				Total	272,960	

2024 TOTAL: Well 1 + Well 2	4,676,375

Well 1	94.16%
Well 2	5.84%