

## 2023 Consumer Confidence Report

### Water System Information

Howell Mountain Mutual Water Co.

6-13-24

Type of Water Source(s) in Use: Surface Water, Well Water

Surface water reservoirs are located on HMMWC 263-acre watershed; nine reservoirs (that feed each other) in total named as follows: Cooksley, Deer, Doe, Fawn, Granite, Newton, Orville, Whitehead, and Henne. We have intakes located in Deer, Orville, Newton and Henne; We also have two wells (Well 1 and Well 2 located in the watershed and off of Friesen Drive).

Time and Place of Regularly Scheduled Board Meetings for Public Participation Time and place of regularly scheduled board meetings for public participation: 6:30 pm during the last week of the month located at the Water Treatment Plant; 1100 Friesen Dr, Angwin CA 94508. The agenda is posted on the bulletin board at Howell Mountain Market: 15 Angwin Ave, Angwin, CA 94508 and on our website: [www.hmmwco.com](http://www.hmmwco.com).

Drinking Water Source Assessment information was completed 2014. This source is considered vulnerable to activities (agriculture) located near the drinking water source (no contaminants detected in water supply).

For More Information, Contact: Tanner S Hiers 1-707-331-6140

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 to December 31, 2023 and may include earlier monitoring data.

### Importance of This Report Statement in Five Non-English Languages (Spanish, Mandarin, Tagalog, Vietnamese, and Hmong)

Language in Spanish: Este informe contiene información muy importante sobre su agua para beber. Favor de comunicarse Howell Mountain Mutual Water Co. a 707-965-2205 para asistirlo en español.

Language in Mandarin: 这份报告含有关于您的饮用水的重要讯息。请用以下地址和电话联系Howell Mountain Mutual Water Co.以获得中文的帮助: 1100 Friesen Dr, Angwin CA 94508; 707-965-2205

Language in Tagalog: Ang pag-uulat na ito ay naglalaman ng mahalagang impormasyon tungkol sa inyong inuming tubig. Mangyaring makipag-ugnayan sa [Enter Water System’s Name and Address] o tumawag sa 707-965-2205 para matulungan sa wikang Tagalog.

Language in Vietnamese: Báo cáo này chứa thông tin quan trọng về nước uống của bạn. Xin vui lòng liên hệ Howell Mountain Mutual Water Co. tại 707-965-2205 để được hỗ trợ giúp bằng tiếng Việt.

Language in Hmong: Tsab ntawv no muaj cov ntsiab lus tseem ceeb txog koj cov dej haus. Thov hu rau Howell Mountain Mutual Water Co. ntawm 707-965-2205 rau kev pab hauv lus Askiv.

Term	Terms Used in This Report :Definition
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 <i>E. coli</i> MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.
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.

Term	Terms Used in This Report :Definition
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 (U.S. 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 and reporting requirements, and water treatment requirements.
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.
Regulatory Action Level (AL)	The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.
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 levels.
Treatment Technique (TT)	A required process intended to reduce the level of a contaminant in drinking water.
Variations and Exemptions	Permissions from the State Water Resources Control Board (State Board) to exceed an MCL or not comply with a treatment technique under certain conditions.
ND	Not detectable at testing limit.
ppm	parts per million or milligrams per liter (mg/L)
ppb	parts per billion or micrograms per liter (µg/L)
ppt	parts per trillion or nanograms per liter (ng/L)
ppq	parts per quadrillion or picogram per liter (pg/L)
pCi/L	picocuries per liter (a measure of radiation)

### Sources of Drinking Water and Contaminants that May Be Present in Source Water

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 byproducts 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.

### Regulation of Drinking Water and Bottled Water Quality

In order to ensure that tap water is safe to drink, the U.S. EPA and the State Board prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. The U.S. Food and Drug Administration regulations and California law also establish limits for contaminants in bottled water that provide the same protection for public health.

### About Your Drinking Water Quality

#### Drinking Water Contaminants Detected

Tables 1, 2, 3, 4, 5, 6, and 8 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 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 an AL, MCL, MRDL, or TT is asterisked. Additional information regarding the violation is provided later in this report.

**Table 1. Sampling Results Showing the Detection of Coliform Bacteria**

Complete if bacteria are detected.

Microbiological Contaminants	Highest No. of Detections	No. of Months in Violation	MCL	MCLG	Typical Source of Bacteria
<i>E. coli</i>	0	0	(a)	0	Human and animal fecal waste

(a) Routine and repeat samples are total coliform-positive and either is *E. coli*-positive or system fails to take repeat samples following *E. coli*-positive routine sample or system fails to analyze total coliform-positive repeat sample for *E. coli*.

**Table 2. Sampling Results Showing the Detection of Lead and Copper**

Complete if lead or copper is detected in the last sample set.

Lead and Copper	Sample Date	No. of Samples Collected	90 <sup>th</sup> Percentile Level Detected	No. Sites Exceeding AL	AL	PHG	Typical Source of Contaminant
Lead (ppb)  *10 approved customer residences representing the whole distribution system.	9/22/21 & 9/23	10	ND ug/L	0	15 µg/L	0.2 µg/L	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits

Lead and Copper	Sample Date	No. of Samples Collected	90 <sup>th</sup> Percentile Level Detected	No. Sites Exceeding AL	AL	PHG	Typical Source of Contaminant
Copper (ppm)  *10 approved customer residences representing the whole distribution system.	9/22/21 & 9/23/21	10	0.11 mg/L	0	1.3 mg/L	0.3 mg/L	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	Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminant
Sodium (ppm)  *Lake Intake (Raw) *Well 1	5-04-23 4-12-23	6 mg/L	3.9 mg/L- 8.1 mg/L	None	None	Salt present in the water and is generally naturally occurring
Hardness (ppm)  *Lake Intake (Raw) *Well 1	5-04-23 4-12-23	25 mg/L	18 mg/L- 32 mg/L	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	Level Detected	Range of Detections	MCL [MRDL]	PHG (MCLG) [MRDLG]	Typical Source of Contaminant
Turbidity  *Lake Intake (Raw) *Well 1	5-04-23 4-12-23	0.625 Units	1.1Units- 0.15 Units	5 Units	N/A	Soil runoff
Control of DBP Precursors (TOC)  *Lake Intake (Raw) *Treated Water	1-20-23 2-8-23 3-9-23 4-12-23 5-4-23 6-8-23 7-12-23 8-11-23 9-22-23 10-13-23 1-11-23 12-11-23	13.71	1.8-35	TT	N/A	Various natural and manmade sources
Arsenic (ppb)  *Well 1	4-12-23	7.4 µg/L	7.4 µg/L	10 µg/L	0.004 µg/L	Erosion of natural deposits; runoff from orchards; glass and electronics production wastes
TTHMs [Total Trihalomethanes] (ppb)  *Deer Park Sample Station	3-09-23 6-08-23 9-07-23 12-07-23	63.85 µg/L	47 µg/L- 100.16 µg/L	80 µg/L	N/A	Byproduct of drinking water disinfection
HAA5 [Sum of 5 Haloacetic Acids] (ppb)  *Sky Oaks Hydrant	3-09-23 6-08-23 9-07-23 12-07-23	36.1 µg/L	22 µg/L – 59.6 µg/L	60 µg/L	N/A	Byproduct of drinking water disinfection

**Table 5. Detection of Contaminants with a Secondary Drinking Water Standard**

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	SMCL	PHG (MCLG)	Typical Source of Contaminant
Color *Lake Intake(Raw)	5-04-23	7 Units	7 Units	15 Units	N/A	Naturally-occurring organic materials
Copper (ppm) *10 approved customer residences representing the whole distribution system.	9/22/21 & 9/23/21	0.11 mg/L	ND- 0.13 mg/L	1.0 mg/L	N/A	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Odor---Threshold *Lake Intake(Raw)	5-04-23 & 6-08-23	7.5 Units	3 Units – 12 Units	3 Units	N/A	Naturally-occurring organic materials
Turbidity *Lake Intake(Raw) *Well 1	5-04-23 4-12-23	0.625 Units	0.15 Units- 1.1 Units	5 Units	N/A	Soil runoff
Total Dissolved Solids [TDS] (ppm) *Lake Intake(Raw) *Well 1	5-04-23 4-12-23	97 mg/L	45 mg/L- 149 mg/L	1,000 mg/L	N/A	Runoff/leaching from natural deposits
Specific Conductance *Lake Intake(Raw) *Well 1	5-04-23 4-12-23	88.5 $\mu$ S/cm	66 $\mu$ S/cm - 111 $\mu$ S/cm	1,600 $\mu$ S/cm	N/A	Substances that form ions when in water; seawater influence
Chloride (ppm) *Lake Intake(Raw) *Well 1	5-04-23 4-12-23	4.15 mg/L	3.7 mg/L - 4.6 mg/L	500 mg/L	N/A	Runoff/leaching from natural deposits; seawater influence
Sulfate (ppm) *Lake Intake(Raw) *Well 1	5-04-23 4-12-23	4.25 mg/L	1.9 mg/L - 6.6 mg/L	500 mg/L	N/A	Runoff/leaching from natural deposits; industrial wastes

**Table 6. Detection of Unregulated Contaminants**

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	Notification Level	Health Effects
N/A	N/A	N/A	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 U.S. EPA’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. U.S. 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).

Lead-Specific Language: 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 service lines and home plumbing. [Enter Water System’s Name] 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. [Optional: If you do so, you may wish to collect the flushed water and reuse it for another beneficial purpose, such as watering plants.] 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 (1-800-426-4791) or at <http://www.epa.gov/lead>.

Additional Special Language for Nitrate, Arsenic, Lead, Radon, and *Cryptosporidium*: [Enter Additional Information Described in Instructions for SWS CCR Document]

State Revised Total Coliform Rule (RTCR): [Enter Additional Information Described in Instructions for SWS CCR Document]

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

**Table 7. Violation of a MCL, MRDL, AL, TT or Monitoring Reporting Requirement**

Violation	Explanation	Duration	Actions Taken to Correct Violation	Health Effects Language
TTHM MCL	The locational running annual average of four samples for TTHM was over the MCL.	3-21-23 to 12-31-23	TTHM Removal System installed.	Some people who drink water containing trihalomethanes in excess of the MCL over many years may experience liver, kidney, or central nervous system problems, and may have an increased risk of getting cancer.

**For Water Systems Providing Groundwater as a Source of Drinking Water**

**Table 8. Sampling Results Showing Fecal Indicator-Positive Groundwater Source Samples**

Microbiological Contaminants (complete if fecal-indicator detected)	Total No. of Detections	Sample Dates	MCL [MRDL]	PHG (MCLG) [MRDLG]	Typical Source of Contaminant
<i>E. coli</i>	0	N/A	0	(0)	Human and animal fecal waste
Enterococci	0	N/A	TT	N/A	Human and animal fecal waste
Coliphage	0	N/A	TT	N/A	Human and animal fecal waste

**Summary Information for Fecal Indicator-Positive Groundwater Source Samples, Uncorrected Significant Deficiencies, or Violation of a Groundwater TT**

**Special Notice of Fecal Indicator-Positive Groundwater Source Sample:** N/A

**Special Notice for Uncorrected Significant Deficiencies:** N/A

**Table 9. Violation of Groundwater TT**

Violation	Explanation	Duration	Actions Taken to Correct Violation	Health Effects Language
N/A	N/A	N/A	N/A	N/A

**For Systems Providing Surface Water as a Source of Drinking Water**

**Table 10. Sampling Results Showing Treatment of Surface Water Sources**

Treatment Technique <sup>(a)</sup> (Type of approved filtration technology used)	Conventional Multi-Media Filtration with corrosion control, Ph adjustment and chlorine disinfection.
Turbidity Performance Standards <sup>(b)</sup> (that must be met through the water treatment process)	Turbidity of the filtered water must: 1 – Be less than or equal to 0.3 NTU in 95% of measurements in a month. 2 – Not exceed 1 NTU for one consecutive 15 min read
Lowest monthly percentage of samples that met Turbidity Performance Standard No. 1.	100%
Highest single turbidity measurement during the year	0.441 NTU (7/28/23)
Number of violations of any surface water treatment requirements	none

(a) A required process intended to reduce the level of a contaminant in drinking water.

(b) Turbidity (measured in NTU) is a measurement of the cloudiness of water and is a good indicator of water quality and filtration performance. Turbidity results which meet performance standards are considered to be in compliance with filtration requirements.



**Summary Information for Violation of a Surface Water TT**

**Table 11. Violation of Surface Water TT**

Violation	Explanation	Duration	Actions Taken to Correct Violation	Health Effects Language
N/A	N/A	N/A	N/A	N/A

**Summary Information for Revised Total Coliform Rule Level 1 and Level 2 Assessment Requirements**

**Level 1 Assessment Requirement not Due to an *E. coli* MCL Violation**

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.

During the past year we were required to conduct one Level 1 assessment. One Level 1 assessment was completed. We were required to take no corrective actions because the sample was determined to be a false positive result.