

2025 Consumer Confidence Report

Water System Information

Water System Name: MADERA IRRIGATION DISTRICT

Report Date: 6/5/26

Type of Water Source(s) in Use: GROUND WATER

Name and General Location of Source(s): WELL 2 LOCATED AT 12152 ROAD 28 ¼
MADERA,CA 93637

Drinking Water Source Assessment Information: N/A

Time and Place of Regularly Scheduled Board Meetings for Public Participation: N/A

For More Information, Contact: ROSENDO BALDOVINOS 509-434-4202

About This Report

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, 2025, 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 [MADERA IRRIGATION DISTRICT] a [12152 ROAD 28 ¼ ;MADERA,CA 93637] 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 [MADERA IRRIGATION DISTRICT]以获得中文的帮助: [12152 ROAD 28 ¼ ;MADERA,CA 93637][509-434-4202].

Language in Tagalog: Ang pag-uulat na ito ay naglalaman ng mahalagang impormasyon tungkol sa inyong inuming tubig. Mangyaring makipag-ugnayan sa [MADERA IRRIGATION DISTRICT and 12152 ROAD 28 ¼ ;MADERA,CA 93637] o tumawag sa [509-434-4202] 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 [MADERA IRRIGATION DISTRICT] tại [12152 ROAD 28 ¼ ;MADERA,CA 93637] 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 [MADERA IRRIGATION DISTRICT] ntawm [12152 ROAD 28 ¼ ;MADERA,CA 93637] rau kev pab hauv lus Askiv.

Terms Used in This Report

Term	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.
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 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 byproducts of 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.

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>	(In the year) 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 th Percentile Level Detected	No. Sites Exceeding AL	Range of Results	AL	PHG	Typical Source of Contaminant
Lead (ppb)	6/4/25	5	ND	0	ND	15	0.2	Corrosion of household plumbing systems; Erosion of natural deposits
Copper (ppm)	6/4/25	5	ND	0	ND	1.3	0.3	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	Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminant
Sodium (ppm)	N/A	N/A	N/A	None	None	Salt present in the water and is generally naturally occurring
Hardness (ppm)	N/A	N/A	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	Level Detected	Range of Detections	MCL [MRDL]	PHG (MCLG) [MRDLG]	Typical Source of Contaminant
Gross Alpha Particle Activity (pCi/L)	1/9/25 11/6/25	0.71	ND – 1.42	15	(0)	Erosion of natural deposits
Ra-226	1/9/25	ND	N/A	N/A	0.05 pCi/L	Erosion of natural deposits
Ra-228	1/9/25	ND	N/A	N/A	0.019 pCi/L	Erosion of natural deposits
Asbestos (MFL)	1/9/25	ND	N/A	7	7	Internal corrosion of asbestos cement water mains; erosion of natural deposits
Uranium (pCi/L)	4/22/25	ND	N/A	20	0.43	Erosion of natural deposits
Perchlorate (µg/L)	4/22/25	ND	N/A	6	1	Perchlorate is an inorganic chemical used in solid rocket propellant, fireworks, explosives, flares, matches, and a variety of industries. It usually gets into drinking water as a result of environmental contamination from historic aerospace or other industrial operations that used or use, store, or dispose of perchlorate and its salts.
Styrene (µg/L)	11/6/25	ND	N/A	100	0.5	Discharge from rubber and plastic factories; leaching from landfills
Ethylbenzene (µg/L)	11/6/25	ND	N/A	300	300	Discharge from petroleum refineries; industrial chemical factories
Toluene (µg/L)	11/6/25	ND	N/A	150	150	Discharge from petroleum and chemical factories;

						underground gas tank leaks
Benzene (µg/L)	11/6/25	ND	N/A	1	0.15	Discharge from plastics, dyes and nylon factories; leaching from gas storage tanks and landfills
Monochlorobenzene (µg/L)	11/6/25	ND	N/A	70	70	Discharge from industrial and agricultural chemical factories and dry cleaning facilities
1,1,2,2-Tetrachloroethane (µg/L)	11/6/25	ND	N/A	1	0.1	Discharge from industrial and agricultural chemical factories; solvent used in production of TCE, pesticides, varnish and lacquers
Aluminum (mg/L)	11/6/25	ND	N/A	1	0.6	Erosion of natural deposits; residue from some surface water treatment processes
Methyl-tert-butyl ether (µg/L)	11/6/25	ND	N/A	13	13	Leaking underground storage tanks; discharge from petroleum and chemical factories
Alachlor (µg/L)	11/6/25	ND	N/A	2	4	Runoff from herbicide used on row crops
Atrazine (µg/L)	11/6/25	ND	N/A	1	0.15	Runoff from herbicide used on row crops and along railroad and highway right-of-ways
Simazine (µg/L)	11/6/25	ND	N/A	4	4	Herbicide runoff
Dibromochloropropane [DBCP] (ng/L)	11/6/25	ND	N/A	200	3	Banned nematocide that may still be present in soils due to runoff/leaching from former use on soybeans, cotton, vineyards, tomatoes, and tree fruit

Tetrachloroethylene (PCE) (µg/L)	11/6/25	ND	N/A	5	0.06	Discharge from factories, dry cleaners, and auto shops (metal degreaser)
1,2,4-Trichlorobenzene (µg/L)	11/6/25	ND	N/A	5	5	Discharge from textile-finishing factories
1,1,1-Trichloroethane (µg/L)	11/6/25	ND	N/A	200	1000	Discharge from metal degreasing sites and other factories; manufacture of food wrappings
1,1,2-Trichloroethane (µg/L)	11/6/25	ND	N/A	5	0.3	Discharge from industrial chemical factories
Trichloroethylene [TCE] (µg/L)	11/6/25	ND	N/A	5	1.7	Discharge from metal degreasing sites and other factories
1,1,2-Trichloro-1,2,2-trifluoroethane (mg/L)	11/6/25	ND	N/A	1.2	4	Discharge from metal degreasing sites and other factories; dry-cleaning solvent; refrigerant
Trichlorofluoromethane (µg/L)	11/6/25	ND	N/A	150	1300	Discharge from industrial factories; degreasing solvent; propellant and refrigerant
1,2-Dichloropropane (µg/L)	11/6/25	ND	N/A	5	0.5	Discharge from industrial chemical factories; primary component of some fumigants
Carbon Tetrachloride (ng/L)	11/6/25	ND	N/A	500	100	Discharge from chemical plants and other industrial activities
trans-1,2-Dichloroethylene (µg/L)	11/6/25	ND	N/A	10	50	Discharge from industrial chemical factories; minor biodegradation byproduct of TCE and PCE groundwater contamination
cis-1,2-Dichloroethylene (µg/L)	11/6/25	ND	N/A	6	13	Discharge from industrial chemical factories; major biodegradation byproduct of TCE and PCE

						groundwater contamination
1,3-Dichloropropene (ng/L)	11/6/25	ND	N/A	500	200	Runoff/leaching from nematocide used on croplands
1,2,3-Trichloropropane [TCP] (ng/L)	11/6/25	ND	N/A	5	0.7	Discharge from industrial and agricultural chemical factories; leaching from hazardous waste sites; used as cleaning and maintenance solvent, paint and varnish remover, and cleaning and degreasing agent; byproduct during the production of other compounds and pesticides.
Ethylene Dibromide [EDB] (ng/L)	11/6/25	ND	N/A	50	10	Discharge from petroleum refineries; underground gas tank leaks; banned nematocide that may still be present in soils due to runoff and leaching from grain and fruit crops
Xylenes (mg/L)	11/6/25	ND	N/A	1.750	1.8	Discharge from petroleum and chemical factories; fuel solvent
Dichloromethane (µg/L)	11/6/25	ND	N/A	5	4	Discharge from pharmaceutical and chemical factories; insecticide
Vinyl Chloride (ng/L)	11/6/25	ND	N/A	500	50	Leaching from PVC piping; discharge from plastics factories; biodegradation byproduct of TCE and PCE groundwater contamination
1,1-Dichloroethylene (µg/L)	11/6/25	ND	N/A	6	10	Discharge from industrial chemical factories
1,1-Dichloroethane (µg/L)	11/6/25	ND	N/A	5	3	Extraction and degreasing

						solvent; used in manufacture of pharmaceuticals, stone, clay and glass products; fumigant
1,2-Dichloroethane (ng/L)	11/6/25	ND	N/A	500	400	Discharge from industrial chemical factories
Arsenic (µg/L)	11/6/25	ND	N/A	10	0.004	Erosion of natural deposits; runoff from orchards; glass and electronics production wastes
Barium (mg/L)	11/6/25	0.073	N/A	1	2	Discharges of oil drilling wastes and from metal refineries; erosion of natural deposits
Beryllium (µg/L)	11/6/25	ND	N/A	4	1	Discharge from metal refineries, coal-burning factories, and electrical, aerospace, and defense industries
Cadmium (µg/L)	11/6/25	ND	N/A	5	0.04	Internal corrosion of galvanized pipes; erosion of natural deposits; discharge from electroplating and industrial chemical factories, and metal refineries; runoff from waste batteries and paints
Antimony (µg/L)	11/6/25	ND	N/A	6	1	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder
Chromium [total] (µg/L)	11/6/25	ND	N/A	50	(100)	Discharge from steel and pulp mills and chrome plating; erosion of natural deposits
Lead (µg/L)	11/6/25	ND	N/A	AL = 15	0.2	Corrosion of household plumbing systems; Erosion of natural deposits

Mercury [Inorganic] (µg/L)	11/6/25	ND	N/A	2	1.2	Erosion of natural deposits; discharge from refineries and factories; runoff from landfills and cropland
Nickel (µg/L)	11/6/25	ND	N/A	100	12	Erosion of natural deposits; discharge from metal factories
Nitrate (mg/L)	12/15/25	0.63	N/A	10 (as N)	10 (as N)	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Selenium (µg/L)	11/6/25	ND	N/A	50	30	Discharge from petroleum, glass, and metal refineries; erosion of natural deposits; discharge from mines and chemical manufacturers; runoff from livestock lots (feed additive)
Thallium (µg/L)	11/6/25	ND	N/A	2	0.1	Leaching from ore-processing sites; discharge from electronics, glass, and drug factories

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
Zinc (ug/L)	3/4/25	160	N/A	5.0 mg/L	5.0 mg/L	Runoff/leaching from natural deposits; industrial wastes
Iron (ug/L)	3/4/25	90	N/A	0.3 mg/L	300 µg/L	Leaching from natural deposits; industrial wastes
Turbidity	3/4/25	0.59	N/A	5 Units	5 Units	Soil runoff
Aluminum	11/6/25	ND	N/A	0.2 mg/L	200 µg/L	Erosion of natural deposits; residual from some surface water treatment processes
Methyl- <i>tert</i> -butyl ether [MTBE]	11/6/25	ND	N/A	0.005 mg/L	5 µg/L	Leaking underground storage tanks;

						discharge from petroleum and chemical factories
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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: 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. [MADERA IRRIGATION DISTRICT] is responsible for providing high quality drinking water and removing lead pipes, but cannot control the variety of materials used in plumbing components in your home. You share the responsibility for protecting yourself and your family from the lead in your home plumbing. You can take responsibility by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk. Before drinking tap water, flush your pipes for several minutes by running your tap, taking a shower, doing laundry or a load of dishes. You can also use a filter certified by an American National Standards Institute accredited certifier to reduce lead in drinking water. If you are concerned about lead in your water and wish to have your water tested, contact [MADERA IRRIGATION DISTRICT and ROSENDO BALDOVINOS 509-434-4202]. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at <http://www.epa.gov/safewater/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
03_50_26C_017_2000352_03 Perchlorate Violation	System did not take second round of sampling for perchlorate at well 2.	Sep – Nov 2025	Per violation order, system is required to sample twice at a 6-month frequency in the year of 2026	Perchlorate has been shown to interfere with uptake of iodide by the thyroid gland, and to thereby reduce the production of thyroid hormones, leading to adverse effects associated with inadequate hormone levels. Thyroid hormones are needed for normal prenatal growth and development of the fetus, as well as for normal growth and development in the infant and child. In adults, thyroid hormones are needed for normal metabolism and mental function.
03_50_26C_043_2000352_03 Lead & Copper Violation	Required samples were not collected within time period (July – Dec 2025)	July – Dec 2025	Per violation order, system is required to sample twice at a 6-month frequency in the year of 2026	Exposure to lead in drinking water can cause serious health effects in all age groups. Infants and children can have decreases in IQ and attention span. Lead exposure can lead to new learning and behavior problems or exacerbate existing learning and behavior problems. The children of women who are exposed to lead before or during pregnancy can have increased risk of these adverse health effects. Adults can have increased risks of heart disease, high blood pressure, kidney or nervous system problems.
03_50_26C_043_2000352_03 Lead & Copper Violation	Required samples were not collected within time period (July – Dec 2025)	July – Dec 2025	Per violation order, system is required to sample twice at a 6-month	Copper is an essential nutrient, but some people who drink water containing copper in excess of the action level

			<p>frequency in the year of 2026</p>	<p>over a relatively short amount of time may experience gastrointestinal distress. Some people who drink water containing copper in excess of the action level over many years may suffer liver or kidney damage. People with Wilson's Disease should consult their personal doctor.</p>
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