reduce the level of a contaminant in drinking water.

requirements that a water system must follow.

Regulatory Action Level (AL): The concentration of a

contaminant which, if exceeded, triggers treatment or other

2021 Consumer Confidence Report

		•			
Water System Name:		Report Date:			
Ran	cho Marina MHP 20220609				
Type of water source(s) in use:	Ground water.				
Name & general location of source(s):	Well near Sacr	ramento Delta. Sacramento County, Rio Vista, CA			
Drinking Water Source Assessinformation:		ce assessment was completed in September 2011. The well is			
Time and place of regularly so participation:		nd septic systems- low density [<1/acre]. for public			
For more information, contact:	Sarah Bradley	Phone: (530) 244-1453			
	TERMS USED	O IN THIS REPORT			
Maximum Contaminant Level (of a contaminant that is allo Primary MCLs are set as close as is economically and to	owed in drinking water. to the PHGs (or MCLGs)	Primary Drinking Water Standards (PDWS): MCLs and MRDLs for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.			
Secondary MCLs are set to prappearance of drinking water.		Secondary Drinking Water Standards (SDWS): MCLs for contaminants that affect taste, odor, or appearance of the			
Maximum Contaminant Level of a contaminant in drinking w	ater below which there is	drinking water. Contaminants with SDWSs do not affect the health at the MCL levels.			
no known or expected risk to h the U.S. Environmental Protect	•	Treatment Technique (TT): A required process intended to reduce the level of a contaminant in drinking water			

highest level of a disinfectant allowed in drinking water. Page 1 of 10

Environmental Protection Agency.

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

Maximum Residual Disinfectant Level (MRDL): The

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.

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.

Variances and Exemptions: State Board permission 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)

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, 2021 and may include earlier monitoring data.

Este informe contiene información muy importante sobre su agua potable. Tradúzcalo ó hable con alguien que lo entienda bien.

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.

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• 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 Resources Control Board (State Board) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. State Board regulations also establish limits for contaminants in bottled water that provide the same protection for public health.

Tables 1, 2, 3, 4, 5, 7, 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.

TABLE 1	- SAMPLIN	IG RESULTS SHOW	ING THE DETECTION	OF COLIFC	ORM BACTERIA
Microbiological Contaminants (complete if bacteria detected)	Highest No. of Detections	No. of months in violation	MCL	MCLG	Typical Source of Bacteria
Total Coliform Bacteria	<u>0</u>	0	More than 1 sample in a month with a detection	0	Naturally present in the environment
Fecal Coliform or <i>E. coli</i>	<u>0</u>	0	A routine sample and a repeat sample detect total coliform and either sample also detects fecal coliform or <i>E. coli</i>	0	Human and animal fecal waste
E.coli (Federal Revised Total Coliform Rule)	<u>0</u>	0	(b)	0	Human and animal fecal waste

(b) 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

Lead and Copper (complete if lead or copper detected in the last sample set)	Sample Date	No. of samples collected	90 th percentile level detected	No. sites exceeding AL	AL	PHG	Typical Source of Contaminant
Lead (ppm)	9/2/2020	10	0	0	15	0.2	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
Copper (ppm)	9/2/2020	10	0.53	0	1.3	0.3	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
	TABLE 3	3 – SAMPL	ING RESU	JLTS FOR S	ODIUM A	ND HARDN	ESS
Chemical or Constituent (and reporting units)	Sample Date	Level Detecte		Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminant
Sodium (ppm)	1/30/19	20 MG/	'L	-	none	none	Salt present in the water and is generally naturally occurring
Hardness (ppm)	NA			-	none	none	Sum of polyvalent cations present in the water, generally magnesium and calcium, and are usually naturally occurring

^{*}Any violation of an MCL or AL is asterisked. Additional information regarding the violation is provided later in this report.

TABLE 4 – DETEC	TION OF	CONTAIN	IINAN 15 V	MARILIV	<u>'KIMAKY</u>	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
	1		INO	RGANICS		
Aluminum, ppm	1/30/19	ND	-	1.0	0.6	Some people who drink water containing aluminum in excess of the MCL over many years may experience short-term gastrointestin tract effects.
Barium, ppb	1/30/19	100 UG/L	-	1000	-	Discharge of oil drilling wastes and from metal refineries; erosion of natural deposits
Chromium. Hexavalent, ppb	1/30/19	ND	-	10.0	-	Discharge from steel and pulp mills and chrom plating; erosion of natural deposits
Fluoride (F, Natural Source), ppm	1/30/19	ND	-	4.0	-	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Nitrate, ppm	1/21/21	ND	-	45	23.0	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natur deposits.
Perchlorate, ppm	12/15/20	ND	-	6.0	1.0	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 affects associated with inadequate hormone levels. Thyroid hormones are needed for normal prenatal grow 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.
			DISINFECTIO	ON BY-PROI	DUCTS	
HAA5, ppm	9/12/19	18.1		60	-	Byproduct of drinking water disinfection
TTHM, ppm	9/12/19	120		80	-	By-product of drinking water disinfection
			OR	GANICS	l	I .
Turbidity, NTU	1/30/19	15 NTU	-	5	-	Turbidity has no health effects. However, high levels of turbidity can interfere with disinfection and provide a medium for microbial growth. Turbidity may indicate the presence of disease causing organisms. These organisms include

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						bacteria, viruses, and parasites that can cause symptoms such as nausea, cramps, diarrhea, and associated headaches.
			RADIO	OLOGICAL		
Gross Alpha MDA95, PCI/L	11-17-15	1.37 PCI	-	3.001	-	Erosion of natural deposits
Radium 226 MDA 95, PCI/L	N/A		-	1.001	-	Erosion of natural deposits
Radium 228 MDA 95, PCI/L	11/7/15	0	-	1.001	-	Erosion of natural deposits

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminant
Chloride, ppm	1-30-19	14 mg/L	-	250	-	Runoff/leaching from natural deposit seawater influence.
Color, (unit-less)	1-30-19	25 units	-	15.0	-	Naturally-occurring organic materials
Iron, ppm	4/19/21	3100 ug/L	-	300	-	Leaching from natural deposits; industrial wastes.
Manganese, ppb	4/19/21	530 ug/L	-	50	-	Leaching from natural deposits
Odor, TON	1-30-19	4 TON	-	3.0	-	Naturally-occurring organic material
Specific Conductance, S	1-30-19	270 US	-	1600	-	Substances that form ions when in water; seawater influence
Sulfate, ppm	1-30-19	ND	-	250	-	Runoff/leaching from natural deposit industrial wastes.
Total Dissolved Solids (TDS), ppm	1-30-19	170 mg/L	-	500	-	Runoff/leaching from natural deposit
Zinc, ppb	1-30-19	ND	-	5000	-	Runoff/leaching from natural deposit industrial wastes.
,	TABLE 6	– DETECTION	OF UNREG	ULATED	CONTAM	IINANTS
Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	Notifica	tion Level	Health Effects Language

^{*}Any violation of an MCL, MRDL, or TT is asterisked. Additional information regarding the violation is provided later in this report.



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 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 service lines and home plumbing. Loma Mar Mutual Water & Improvement 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 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 or at http://www.epa.gov/lead.

VIOLATION OF A MCL, MRDL, AL, TT, OR MONITORING AND REPORTING REQUIREMENT					
Violation	Explanation	Duration	Actions Taken to Correct the Violation	Health Effects Language	
TTHM				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	

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			may have an increased risk of getting cancer.
Arsenic	Ongoing	Changed out arsenic removing media.	Drinking water with low levels of arsenic over a long time is associated with diabetes and increased risk of cancers of the bladder, lungs, liver, and other organs. Coming in contact with arsenic can also contribute to cardiovascular and respiratory disease, reduced intelligence in children, and skin problems, such as lesions, discoloration, and the development of corns.

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

For Systems Providing Surface Water as a Source of Drinking Water

TABLE 8 - SAMPLING RESULTS SHOWING TREATMENT OF SURFACE WATER SOURCES			
Treatment Technique ^(a) (Type of approved filtration technology used)	CDPH approved alternative filtration technology.		
Turbidity Performance Standards (b) (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 _1.0 NTU for more than eight consecutive hours. 3 – Not exceed _5.0 NTU at any time.		
Lowest monthly percentage of samples that met Turbidity Performance Standard No. 1.	100 %		
Highest single turbidity measurement during the year			
Number of violations of any surface water treatment requirements			

- (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.
- * Any violation of a TT is marked with an asterisk. Additional information regarding the violation is provided below.

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Summary Information for Violation of a Surface Water TT

VIOLATION OF A SURFACE WATER TT						
TT Violation	Explanation Duration Actions Taken to Correct the Violation Health Effects Language					
None						

Summary Information for Operating Under a Variance or Exemption