

2022

Este informe contiene información muy importante sobre su agua para beber. Favor de comunicarse con Rancho California Water District a 42135 Winchester Rd., Temecula, CA 92590, 951-296-6900 para asistirlo en español.

CONSUMER CONFIDENCE REPORT



RANCHO WATER'S TAP WATER SUPPLY MET AND EXCEEDED ALL U.S. EPA AND STATE DRINKING WATER STANDARDS IN 2022

Rancho California Water District (Rancho Water/District) is committed to providing you with a clean, safe, and reliable water supply. It's the top priority of every employee of the District, and we're proud to say that those efforts make a difference. **Based on the water quality monitoring data collected in 2022, the District's tap water met and exceeded all state and federal drinking water standards.**

The U.S. Environmental Protection Agency (EPA) and the State Water Resources Control Board's Division of Drinking Water mandate all water agencies to produce an annual document informing customers about their drinking water supply for the previous year. This annual Consumer Confidence Report (CCR) contains information about Rancho Water's water supply and how it meets regulatory drinking water standards.

A MESSAGE FROM THE GENERAL MANAGER

Rancho Water's primary purpose is to provide a reliable water supply while protecting public health and safety. Through forward-thinking water system investments, strategic planning, and sound water resource management, we proudly meet the water quality requirements set by the California State Water Resources Control Board (State Water Board) and the U.S. Environmental Protection Agency (EPA). Within this Consumer Confidence Report, you will find a summary of water quality and monitoring data for 2022 and data tables that show which constituents were detected in your drinking water.

At Rancho Water, our commitment to providing high-quality, safe drinking water is unwavering. We test our water over 2,000 times per year on samples gathered throughout our distribution system. Water samples are sent to an independent lab for processing to ensure that the District meets or surpasses all state and federal drinking water standards.

Achieving water quality standards is a complex process. If you have any questions, please contact Rancho Water at 951-296-6900. The public is also welcome to attend the monthly meetings of Rancho Water's Board of Directors, regularly scheduled for the second Thursday of each month at 8:30 a.m. The public may attend virtually or in-person. Zoom meeting logins and meeting agendas can be found on our website at Rancho Water.com.

Sincerely,

Robert S. Grantham

General Manager, Rancho California Water District

First S Grantle

VISIT

Rancho California Water District | RanchoWater.com

Metropolitan Water District (MWD) | mwdh2o.com

CA Division of Drinking Water | waterboards.ca.gov

U.S. EPA | water.epa.gov/drink

Be Water Wise | bewaterwise.com

CONTACT

Customer Service 951-296-6900

Water Quality Joseph Perreira 951-296-6978

Public Information publicinfo@ranchowater.com

ENGAGE WITH US

RanchoWater.com

@RanchoWater

in Rancho Water

@RanchoWater

@RanchoWaterDistrict

@TheRanchoCAWater

YOUR WATER SUPPLY

Rancho Water provides both water and wastewater services to meet the diverse needs of those that live, work, and play in the cities of Temecula and Murrieta and the surrounding areas. The District supplies its customers with three sources of water: groundwater, imported water, and recycled water.

Groundwater Groundwater is precipitation through the soil and sits in aquifers. Rancho Water underground water soul and sits in applications. Temecula Phoenix

Groundwater is precipitation that naturally seeps down through the soil and sits in underground basins called aquifers. Rancho Water has one of the largest natural underground water sources in Southern California.

To help replenish this groundwater supply, surface water runoff is captured in Vail Lake during the winter and released to our underground aquifers when available. The District also purchases

untreated water from the Metropolitan Water District of Southern California (MWD) for groundwater replenishment. The Temecula area aquifers supply the District with approximately 35% of its water.

Imported Water

The Colorado River Aqueduct and State Water Project in Northern California provide almost half of Southern California's water supply and about 60% of Rancho Water's supply. Rancho Water imports treated, disinfected water from these sources via MWD.

Recycled Water

Recycled water (highly treated, filtered, and disinfected wastewater) is used for some landscaping, parks, and golf courses within the District's service area, and accounts for about 5% of the District's water supply.

WORKING FOR OUR COMMUNITY

We are Rancho Water, your local water and wastewater service provider. Our dedicated team has been working hard for this community since 1965. From innovative projects to legislative advocacy, our employees are working for you - our community - every day.

We realize you may not think of us very often—and that's the way it should be. We keep the water flowing behind the scenes so it's always there when you need it. We want you to be confident that your water is safe and of the highest quality.

Rancho Water is dedicated to providing top quality water and making sure our delivery systems are reliable. We have a team of water quality experts that test our water supply daily to ensure it meets or exceeds state standards. We also have a dedicated staff of professional engineers who study our complex delivery system and oversee improvements when needed.

The District continues to lead the way with innovative projects that maximize our local groundwater basin. Rancho Water also continues to move forward with projects that reduce peak energy consumption and imported water costs, improve our water infrastructure, and provide water reliability for our community.

Sure, you may not think of all this when you turn on your tap. But rest assured that your neighbors at Rancho Water do—and we're proud to serve you from behind the scenes each and every day.



THE U.S. EPA WOULD LIKE YOU TO KNOW

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, which 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.

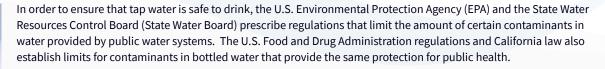












Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling 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.

Immunocompromised 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).

SOURCE WATER ASSESSMENTS

Source water assessments are required by the U.S. EPA, which contain information about potential contaminant sources and the potential for drinking water systems to be impacted by these sources. A complete assessment of Rancho Water's groundwater sources was completed in December 2002. Additional assessments have been completed as warranted as new sources of supply have been identified. The groundwater sources are considered most vulnerable to, but have not been impacted by, the following activities: crop irrigation, dry cleaners, electrical manufacturing, grazing, gas stations, mining, photo processing, septic systems, and sewer collection systems. You may request that a summary of the assessment be sent to you by contacting Rancho Water. Also in December 2002, the Metropolitan Water District of Southern California (MWD) completed its source water assessment of its Colorado River and State Water Project supplies. These assessments were updated in 2015 for the Colorado River and in 2016 for the State Water Project. Source waters used by MWD each have different water quality challenges. Both are exposed to stormwater runoff, recreational activities, wastewater discharges, wildlife, fires, and other watershed-related factors that could affect water quality. A copy of the assessment can be obtained by contacting MWD at (800) 225-5693.

2022 WATER QUALITY TEST RESULTS...

Rancho Water's Tap Water Supply Met All U.S. EPA and State Drinking Water Standards

The state allows us to monitor for some contaminants less than once per year because the concentrations of these contaminants frequently change. Some of our data, though representative, is more than one year old.



Primary Drinking Water Standards - Health-Related Standards

Microbiological										
Contaminants Detected	Units	State (Federal) MCL	PHG (MCLG)	Distribution System-Wide Results	Major Sources in Drinking Water					
Total Coliform Bacteria 1	% Positive	5.0	0	ND	Naturally present in the					
Total Collidini Bacteria 😯	Monthly Samples	(TT)	O	ND	environment					
Hetertrophic Plate Count (HPC) Bacteria	CFU/mL	TT	NA	1.3 (average)	Naturally present in the environment					

Contaminants Detected	Unit	State [MRDL]	PHG (MCLG) [MRDLG]	Imported Water Range	Imported Water Average	Well Water Range	Well Water Average	Sample Date	Major Sources in Drinking Water	
Inorganic Chemicals										
Aluminum	μg/L	1000	600	ND - 230	113	ND - 170	3	2020 - 2022	Erosion of natural deposits; residual from some surface water treatment processes	
Arsenic 2	μg/L	10	0.004	ND	ND	ND - 15.5	3.1	2020 - 2022	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder	
Barium	μg/L	1000	2000	ND	ND	ND - 300	64	2020 - 2022	Discharges of oil drilling wastes and from metal refineries; erosion of natural deposits	
Chromium	μg/L	50	100	ND	ND	ND - 4	0.97	2020 - 2022	Discharge from steel and pulp mills and chrome plating; erosion of natural deposits	
Fluoride 3	mg/L	2	1	0.6 - 0.8	0.7	ND - 3.1	0.53	2020 - 2022	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories	
Nitrate as N 4	mg/L	10	10	ND	ND	ND - 6.1	2.29	2020 - 2022	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits	
Selenium	μg/L	50	30	ND	ND	ND - 9.6	0.7	2020 - 2022	Refineries, mines, and chemical waste discharge; erosion of natural deposits; runoff from livestock lots	
Radionuclides	Radionuclides									
Gross Alpha	pCi/L	15	(0)	ND - 3	ND	ND - 9.6	2	2014 - 2022	Erosion of natural deposits	
Gross Beta	pCi/L	50*	(0)	5 - 8	7	NC	NA	2014 - 2022	Decay of natural and man-made deposits	
Radium-226	pCi/L	NA	.05	ND	ND	ND - 1.03	0.02	2014 - 2022	Erosion of natural deposits	
Radium-228	pCi/L	NA	0.019	ND - 1	ND	ND - 1.03	0.03	2014 - 2022	Erosion of natural deposits	
Uranium	pCi/L	20	0.43	ND - 2	2	ND - 4.81	1.76	2014 - 2022	Erosion of natural deposits	
Disinfection By	Disinfection ByProducts, Disinfectant Residuals, and Disinfection Byproduct Precursors									
Total Trihalomethanes	μg/L	80	NA	14 - 29	20	3.1 - 89	22.85	2022	Byproduct of drinking water disinfection	
Haloacetic Acids	μg/L	60	NA	6.0 - 13	9	ND - 13	3.9 ⁵	2022	Byproduct of drinking water disinfection	
Bromate	μg/L	10	0.1	ND - 5.5	1.2	NC	NA	2022	Byproduct of drinking water ozonation	
Total Chlorine Residual	mg/L	[4]	[4]	0.4 - 2.9	2.5	0.21 - 3.1	1.4	2022	Drinking water disinfectant added for treatment	
Total Organic Carbon (TOC)	mg/L	TT	NA	2.3 - 2.6	2.5	NC	NA	2022	Various natural and man-made sources; TOC is a precursor for formation of disinfection byproducts	

Clarity									
Turbidity	Units	State MCL	PHG (MCLG)		Result				
Effluent Turbidity of Imported Water	NTU	TT	NA	Highest Result	0.05				
Lindent furbidity of imported water	%	95	NA	%<=0.3	100				

Lead and Copper Survey										
Contaminants Detected	mants Unit State PHG Samples 90th Sample that Evreed		that Exceed	Major Sources in Drinking Water						
Lead ⁶	μg/L	15	0.2	50	1.8	2022		Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits		
Copper	μg/L	1300	0.3	50	200	2022		Internal corrosion of household water plumbing systems; erosion of natural deposits; leaching from wood preservatives		

^{*}Rancho Water completed testing at our public schools in 2018 for the presence of lead. None of the samples exceeded the lead action level and there were not any requests for additional sampling in 2022.

Secondary Drinking Water Standards - Aesthetic Standards

Contaminants Detected	Unit	State MCL	PHG (MCLG)	Imported Water Range	Imported Water Average	Well Water Range	Well Water Average	Sample Date	Major Sources in Drinking Water
Aluminum	μg/L	200	600	ND - 230	113	ND - 170	3	2020 - 2022	Erosion of natural deposits; residual from some surface water treatment processes
Chloride	mg/L	500	NA	98 - 106	102	41 - 210	96	2020 - 2022	Runoff/leaching from natural deposits
Color	Unit	15	NA	1-2	2	ND - 5	ND	2020 - 2022	Naturally-occurring organic materials
Foaming Agents (MBAS)	μg/L	500	NA	ND	ND	ND - 80	ND	2020 - 2022	Municipal and industrial waste discharges
Iron	μg/L	300	NA	ND	ND	ND	ND	2020 - 2022	Leaching from natural deposits; industrial wastes
Manganese	μg/L	50	NL=500	ND	ND	ND - 25	1.1	2020 - 2022	Leaching from natural deposits
Odor	TON	3	NA	1	1	ND	ND	2020 - 2022	Naturally-occurring organic materials
Specific Conductance	μS/cm	1,600	NA	944 - 1,030	987	340 - 1,100	762	2020 - 2022	Substances that form ions when in water
Sulfate	mg/L	500	NA	206 - 229	218	4.7 - 210	103	2020 - 2022	Runoff/leaching from natural deposits; industrial wastes
Total Dissolved Solids	mg/L	1,000	NA	591 - 651	621	200 - 1,200	450	2020 - 2022	Runoff/leaching from natural deposits
Turbidity 7	NTU	5	5	ND	ND	ND - 3.2	0.18	2020 - 2022	Soil runoff
Additional Pa	rameter	S							
Alkalinity	mg/L	NA	NA	119 - 128	124	80 - 240	146	2020 - 2022	Runoff/leaching of natural deposits
Boron	μg/L	NL= 1,000	NA	130	130	ND-1,700	294	2020-2022	Runoff/leaching of natural deposits; industrial wastes
Chlorate	μg/L	NL = 800	NA	75	75	NC	NA	2022	Byproduct of drinking water chlorination; industrial processes
Calcium	mg/L	NA	NA	63 - 71	67	1.3-110	47.3	2020 - 2022	Runoff/leaching of natural deposits
Hardness	mg/L	NA	NA	263 - 282	272	3.6 - 370	165	2020 - 2022	Runoff/leaching of natural deposits; generally magnesium and calcium present in water
Magnesium	mg/L	NA	NA	24 - 26	25	ND - 28	11.3	2020 - 2022	Runoff/leaching of natural deposits
рН	Unit	NA	NA	8.1 - 8.2	8.2	7.7 - 9.1	8.2	2020 - 2022	pH is a physical measure of water acidity
Potassium	mg/L	NA	NA	4.4 - 4.8	4.6	ND - 5.4	2.59	2020 - 2022	Salt present in the water; naturally-occurring
Sodium	mg/L	NA	NA	96 - 103	100	52 - 180	100	2020 - 2022	Salt present in the water; naturally-occurring

Footnotes

- * The State Water Resources Control Board considers 50 pCi/L to be the level of concern for beta particles.
- 1 Total Coliform MCL: No more than 5% of the monthly samples may be total coliform-positive. Compliance is based on distribution system samples.
- 2 While your drinking water meets the federal and state standard for arsenic, it does contain low levels of arsenic. The arsenic standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. The U.S. EPA continues to research the health effects of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems. Rancho Water has detected arsenic above the MCL in three of its 43 active wells. The water from these wells is blended with water from other wells to reduce the level of arsenic to acceptable levels.
- 3 Rancho Water has detected fluoride above the MCL in two of its 43 active wells. The water from these wells is blended with water from other wells to reduce the level of fluoride to acceptable levels.
- 4 Nitrate in drinking water at levels above 10 mg/L is a risk for infants of less than six months of age. Such nitrate levels in drinking water can interfere with the capacity of the infant's blood to carry oxygen, resulting in a serious illness; symptoms include shortness of breath and blueness of the skin. Nitrate levels above 10 mg/L may also affect the ability of the blood to carry oxygen in other individuals, such as pregnant women and those with certain specific enzyme deficiencies. If you are caring for an infant, or you are pregnant, you should ask advice from your health care provider.
- 5 Compliance is determined based on a locational running annual average (LRAA). The average result displayed is of the highest individual LRAA collected from the distribution system. The range displayed is a result of all individual samples collected.
- 6 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. Rancho Water 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 www.epa.gov/lead.
- 7 Turbidity is a measure of the cloudiness of the water. We monitor it because it is a good indicator of water quality. High turbidity can hinder the effectiveness of disinfectants.
- 8 Unregulated contaminant monitoring helps U.S. EPA and the State Water Resources Control Board to determine where certain contaminants occur and whether the contaminants need to be regulated.

WATER QUALITY TERMS

LIST OF ACRONYMS

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. EPA.

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 CA EPA.

Primary Drinking Water Standard (PDWS):

MCLs and MRDLs for contaminants that affect health along with their monitoring, reporting, and water treatment requirements.

Maximum Residual Disinfectant Level (MRDL):

The highest level of a disinfectant allowed in drinking water. There is convincing evidence that the 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.

Regulatory Action Level:

The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

Treatment Technique (TT):

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



mg/L: Milligrams per Liter or Parts per Million (ppm) (Equivalent to 1 second in 11.5 days)

NA: Not Applicable

NC: Not Collected

ND: Not Detected

NL: Notification Level

NTU: Nephelometric Turbidity Units (Suspended Material)

pCi/L: Pico Curies per Liter

uS/cm: Microseimen per Centimeter

ppt: Parts per Trillion (Equivalent to 1 second in nearly 32,000 years)

µg/L: Micrograms per Liter or Parts per Billion (ppb) (Equivalent to 1 second in nearly 32 years)

MONITORING/SAMPLING FREQUENCY

Groundwater

Bacteriological: Monthly to quarterly

Synthetic Organic Chemicals: Once every three years Volatile Organic Chemicals: Once every three years

Turbidity: Once every three years **Color:** Once every three years

Inorganic Chemicals: Once every three years **Radionuclides:** Once every three to nine years

Distribution System

Color: Monthly

Bacteriological: Weekly
Trihalomethanes: Quarterly

Odor: Monthly
Turbidity: Monthly

CONSERVATION AND WATER USE EFFICIENCY

Rancho Water depends on both local groundwater and imported water supplies from Northern California and the Colorado River. Though the rainfall may have helped our local reservoirs for now, we can expect that the drought will return. As California's climate becomes hotter and drier, it is necessary to adopt a culture of conservation, saving water where we can every day. Now is the time to bank water to ensure a reliable water supply for years to come. We're doing our part by working on projects such as the Groundwater Optimization Program, a leak detection program with NASA, and the development of inline hydroelectric facilities. We're also encouraging you to do your part to be an everyday water hero by checking for leaks, switching out appliances for lower water use types, and transforming your landscape to California-native plants.





RANCHO WATER'S EFFICIENCY MISSION IS TO ...

- Conserve water, thereby increasing supply reliability and keeping water rates stable for all of the District's customers.
- Minimize water waste through proper irrigation techniques, sensible plant material choices, and vigilant maintenance to reduce system leakage.
- Find the most innovative, creative, and forward-thinking ways to improve water use efficiency.
- Provide customers with useful information and technical assistance that encourages efficient water use.



STAY ON TOP OF YOUR OUTDOOR WATER USE!





A LEAK AS SMALL
AS THE TIP OF A PEN
CAN WASTE
G,300 GALLONS
OF WATER PER MONTH



SELECT
A WATERSENSE
LABELED IRRIGATION
CONTROLLER
AND WATER WISELY



EFFICIENCY TOOLS AND REBATES

Start Using MyWaterTracker in Three Easy Steps

STEP 1



Sign in to your Rancho Water account

STEP 2

Reads" tab

STEP 3

SAVE WATER

Rancho Water offers a number of programs and rebates, in conjunction with MWD. Customers of all types can benefit from these financial incentives and water-saving devices.

For more information, visit RanchoWater.com/rebates.





Residential Rebates

- Turf Replacement
- Weather-Based Irrigation Controllers
- Rotating Nozzles
- Rain Barrel/Cisterns
- Soil Moisture Sensor System
- Premium HE Toilets
- Clothes Washers

For more information: RanchoWater.com/rebates

EXTERIOR WATER-USE EVALUATION

Rancho Water offers free home consultations regarding your water use. To sign-up for a water-use evaluation, log on to RanchoWater.com/eval.

Commercial Rebates

- **O** Turf Replacement
- Plumbing Fixtures
- C Landscape Equipment
- **Prood Equipment**
- Medical and Dental Equipment

For more information: www.socalwatersmart.com

Agricultural Programs



Agricultural Irrigation Efficiency Program

For more information: RanchoWater.com/agcustomers



42135 Winchester Road, Temecula, CA 92590

TALK TO US RanchoWater.com Office: (951) 296-6900













HOURS:

7:30 A.M. TO 5:00 P.M. - MONDAY - THURSDAY AND 8:00 A.M. TO 5:00 P.M. FRIDAY