



Fallbrook Public
Utility District



2024

WATER QUALITY REPORT

Fallbrook Public Utility District and its staff takes pride in providing reliable and safe water to our consumers. We test our drinking water quality for many constituents, as required by State and Federal Regulations. This report shows the results of our monitoring from calendar year 2023. This data was collected between January 1 and December 31, 2023.

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

The sources of our drinking water may 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.

Type of water sources in use: Recently, in December of 2021 and after 70 years of litigation, the district started providing treated water to its customers from the Santa Margarita Groundwater Treatment Plant (SMGTP). This facility can produce up to 7.8 million gallons a day. Flows are calculated based off water rights and predetermined based off the water table in the Santa Margarita River, located on Camp Pendleton. While FPUD is a water retailer, a portion of our water is purchased from the San Diego County Water Authority, which purchases much of its water from the Metropolitan Water District of Southern California. This water is treated at Metropolitan's Lake Skinner Filtration Plant in Riverside County.




Name & location of source(s): FPUD receives virtually all its water from three sources: a 242-mile-long aqueduct that brings Colorado River water from Lake Havasu to Southern California, a 444-mile-long aqueduct that carries water from the Feather River in northern California through the Delta to State Water Project contractors throughout the state and from Camp Pendleton through a 6.3-mile pipeline to our SMGTP. The water is supplied from 10 wells located near the Santa Margarita Riverbed. One percent of FPUD water comes from a local well (Capra Well).

Safety is our #1 priority! Drinking water, including bottled water, may reasonably be expected to contain small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. The information in this report is to provide you with water quality information collected during 2023. Details about where the sample results were detected, what the results were, and how they compare to Federal and State standards are included.

Time and place of regularly scheduled board meetings: Every fourth Monday of the month at 4 p.m. in the district boardroom, located at 990 E. Mission Road. They are open to the public.

For more information contact: Noelle Denke, Public Affairs Specialist, (760) 728-1125.

We take extra measures to ensure we have high-quality water supplies

-  The District's Red Mountain Reservoir is an open reservoir with a capacity of 440 million gallons and is used to store treated water purchased from the San Diego County Water Authority. The open reservoir met the health standards of the day when it was constructed in 1949 and was reconstructed and lined in 1985, and it has continued to meet or exceed water quality standards. Drainage collection and diversion ditches prevent local runoff water from entering the reservoir. The reservoir is physically inspected at least twice daily. Bacteriological tests are taken once a week. FPUD upgraded its disinfection facilities in early 2010 by installing Ultraviolet Technology (UV Technology) for additional disinfection.
-  The water the District purchases from the Water Authority is a blend of fully treated Colorado River and State Water Project water that receives complete conventional treatment, along with ozone treatment – a cutting-edge, high-quality disinfection process. The water is treated at Metropolitan Water District's Skinner Filtration Plant.
-  The groundwater the District provides from the SMGTP is treated by state of the art Reverse Osmosis (RO) and Granular Activated Carbon (GAC) processes to provide a high quality supply that meets or exceeds the quality from our imported supplies.

Terms Used In This Report:

Maximum Contaminant Level (MCL): The highest level of a contaminant 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 one's health. MCLGs are set by the U.S. Environmental Protection Agency (USEPA).

Public Health Goal (PHG): The level of a contaminant in drinking water below which there is no known or expected risk to one's health. PHGs are set by the California Environmental Protection Agency.

Maximum Residual Disinfectant Level (MRDL): The level of a disinfectant added for water treatment that may not be exceeded at the consumer's tap.

Maximum Residual Disinfectant Level Goal (MRDLG): The level of a disinfectant added for water treatment below which there is no known or expected risk to health. These are set by the U.S. Environmental Protection Agency.

Primary Drinking Water Standards (PDWS): MCLs or MRDLs for contaminants that affect health along with their monitoring and reporting requirements, 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 levels.

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.

NA: Not applicable, indicate when there is no established level

ND: Not detectable at testing limit

NL: Notification Level to SWRCB

SI: Saturation Index

µS/cm: Measure of electrical conductance

pCi/L: Picocuries per liter (a measure of radiation)

ppm or mg/L: Parts per million or milligrams per liter

ppb or µg/L: Parts per billion or micrograms per liter

ppt or ng/L: Parts per trillion or micrograms per liter

LRAA: Locational Running Annual Average; The LRAA is the highest Individual of all Running Annual Averages. It is calculated as an average of all the samples collected within a 12-month period.






Putting Units in Perspective

| UNITS | UNITS | EQUIVALENCE |
|-----------------------------|-----------------------------|-------------------------------------|
| mg/L = milligrams per liter | ppm = parts per million | 1 second in 11.5 days |
| µg/L = micrograms per liter | ppb = parts per billion | 1 second in nearly 31.7 years |
| ng/L = nanograms per liter | ppt = parts per trillion | 1 second in nearly 31,700 years |
| pg/L = picograms per liter | ppq = parts per quadrillion | 1 second in nearly 31,700,000 years |

***By comparison, a sample result of 15 ppb, is the same as 15 µg/L, is the same as stating 15 seconds in 31.7 years.**

Site of our Water Reclamation Plant on Alturas Road, before Camp Pendleton was there.

Contaminants that may be present in source water include:

-  **Microbial contaminants**, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations and wildlife.
-  **Inorganic contaminants**, such as salts and metals, which can be naturally occurring or a result of urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
-  **Pesticides and herbicides** 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, can also come from gas stations, urban stormwater runoff, agricultural application and septic systems.
-  **Radioactive contaminants**, which can be naturally occurring or the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, the U.S. Environmental Protection Agency and the State Water Resources Control Board prescribe regulations that limit the amount of certain contaminants in tap water. These regulations also establish limits for contaminants in bottled water for the same public health protection.

For more information about contaminants and potential health effects, or for USEPA/Centers for Disease Control guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbial contaminants, call the USEPA Safe Drinking Water Hotline (1-800-426-4791). 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/safewater/lead>.

The tables that follow list the drinking water contaminants that were detected during the most recent sampling. If you do not see a contaminant listed here, it was not detected in 2023. The presence of these contaminants does not necessarily indicate that the water poses a health risk. The State Water Resource Control Board (SWRCB) 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 it is representative of the water quality, is more than one year old.

TABLE 1 - Sampling results showing the detection of coliform bacteria for the FPUD Distribution system

| Contaminants (to be completed only if there was a detection of bacteria) | State or Federal MCL (Maximum Contaminant Level) | MCL | MCLG | Average | Range | Months in violation | Typical Source of Bacteria |
|---|---|---------------|------|---------|----------|------------------------|---|
| Total Coliform | More than 5.0% (TT) of monthly samples are positive; | 5.0% Positive | 0 | 0 | 0 - 1.7% | 0 | Naturally present in the environment |
| E.coli (State Revised Total Coliform Rule) | A routine sample and a repeat sample detect total coliform, and either sample also detects fecal coliform or E.coli | 0 | 0 | 0 | | 0 | E. coli are bacteria whose presence indicates that the water may be contaminated with human or animal waste |

The Revised Total Coliform Rule maintains the purpose to protect public health by ensuring the integrity of the drinking water distribution system and monitoring for the presence of microbials (i.e., total coliform and E. coli bacteria). The U.S. EPA anticipates greater public health protection as the rule requires water systems that are vulnerable to microbial contamination to identify and fix problems. Water systems that exceed a specified frequency of total coliform occurrences are required to conduct an assessment to determine if any sanitary defects exist. Fallbrook met the RTRC and no assessments were required. DDW regulations require FPUD to test a minimum of 11 samples per week throughout our distribution system for total coliform bacteria, and to report the results, including the percentage of total coliform positive samples in a given month.

TABLE 2 – Lead and Copper Rule

Sampling results showing the detection of lead and copper for residential customers

| Lead and Copper (Tested twice during 2022. Data is from May and November.) Test again during June-September 2023 | Action Level | PHG | No. of sites exceeding Action Level | No. of samples collected | 90th percentile level detected | Typical Source of Contaminant |
|---|--------------|-----|-------------------------------------|--------------------------------|--------------------------------------|---|
| Lead (µg/L) | 15 | 0.2 | 0 | 46 | 2.2 | Internal corrosion of household plumbing systems; erosion of natural deposits |
| Copper (mg/L) | 1.3 | 0.3 | 0 | 46 | .120 | |

Some people may be more vulnerable to contaminants in drinking water than the general population.

Immuno-compromised persons such as those with cancer undergoing chemotherapy, those who have undergone organ transplants, people with immune system disorders, and some elderly and infants, can be particularly at risk for infection. These people should seek advice from their healthcare providers.

What about lead? 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. FPUD is responsible for providing high-quality drinking water, but cannot control the variety of materials used in personal 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. Flushing your plumbing is a consideration when returning home from a long vacation. 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 <https://www.epa.gov/lead>

TABLE 3 - Detection of contaminants with a primary (health-related) drinking water standard
Sample results are a combination of samples taken from purchased Lake Skinner Water, treated water from the SMGTP and our Distribution System. All results are for potable treated water delivered to our customer's taps.

| Water Clarity - Lake Skinner Filter Effluent Turbidity | | | | | | | | |
|--|----------------------------------|--|------------------------|-----------------|--|---------------------|-----------|---------------------------------|
| Turbidity (NTU) | TT = 95% of samples < 0.3 NTU | Lake Skinner Combined Filter Effluent Turbidity (NTU) | Max Level Found = 0.07 | | Soil Runoff. Turbidity has no health effects. However, high levels of turbidity can interfere with disinfection and provide a medium for microbial gr | | | |
| | | | 100% of samples < 0.3 | | | | | |
| Water Clarity - Fallbrook Facility and Distribution System Turbidity | | | | | | | | |
| CHEMICAL PARAMETERS | Units | MCL | DLR | Santa Margarita | | Distribution System | | MAJOR SOURCES IN DRINKING WATER |
| | | | | Average | Range | Average | Range | |
| Turbidity | NTU | 5 | 0.1 | .03 | 0 - .29 | .34 | .10 - .89 | Soil runoff |

Turbidity is a measure of the cloudiness of the water and is regulated as a Treatment Technique (TT) – an indicator of the effectiveness of our treatment.

PRIMARY STANDARDS (MANDATORY HEALTH RELATED STANDARDS)

| CHEMICAL PARAMETERS | Units | MCL | PHG (MCLG) | DLR | Treatment Plant | | | | Distribution System | | MAJOR SOURCES IN DRINKING WATER |
|------------------------------|-------|------|------------|-----|-----------------|----------|-----------------|-----------|---------------------|-----------|--|
| | | | | | Lake Skinner | | Santa Margarita | | Average | Range | |
| | | | | | Average | Range | Average | Range | | | |
| Aluminum | ppb | 1000 | 600 | 50 | 110 | ND - 113 | ND | ND - 60 | 27 | ND - 54 | Erosion of natural deposits; residue from some surface water treatment processes |
| Arsenic | ppb | 10 | 0.004 | 2 | ND | ND | ND | ND - 2.1 | ND | ND | Erosion of natural deposits, glass and electronics production waste |
| Barium | ppb | 1000 | 2000 | 100 | 116 | | 41 | 28-50 | 74 | 28 - 120 | Erosion of natural deposits; discharges of oil drilling wastes |
| Total Chromium | ppm | 50 | (100) | 1 | ND | ND | .4 | 0 - 2.9 | ND | ND | Erosion of natural deposits |
| Fluoride (treatment-related) | ppm | 2 | 1 | .1 | .7 | .6 - .8 | .65 | .59 - .73 | .75 | .6 - .99 | Erosion of natural deposits; water additive that promotes strong teeth |
| Nickel | ppb | 100 | 12 | 10 | ND | ND | ND | ND - 24 | ND | ND | Erosion of natural deposits; discharge from metal factories |
| Nitrate (as Nitrogen) | ppm | 10 | 10 | .4 | ND | ND | .59 | .27 - .93 | .26 | .25 - .26 | Erosion of natural deposits; runoff and leaching from fertilizer use |
| Selenium | ppb | 50 | 30 | 5 | ND | ND | 2.1 | 5.5 – 8.3 | ND | ND | Naturally occurring in arid regions; industrial waste discharge |

What is meant by primary drinking water standards? The National Primary Drinking Water Regulations (NPDWR) are legally enforceable primary standards and treatment techniques that apply to public water systems. Primary standards and treatment techniques protect public health by limiting the levels of contaminants in drinking water. Primary standards (MCLs) are developed for the purpose of protecting the public from possible health risks associated with long-term exposure to contaminants. These results are significantly below their respective MCLs. In general, no health hazard is expected to exist when contaminant levels are below a Primary MCL.

RADIOLOGICAL

| CHEMICAL PARAMETERS | Units | MCL | PHG (MCLG) | DLR | Lake Skinner | | Santa Margarita | | Distribution System | | MAJOR SOURCES IN DRINKING WATER |
|---------------------|-------|-----|------------|-----|--------------|--------|-----------------|-------|---------------------|-------|---------------------------------------|
| | | | | | Average | Range | Average | Range | Average | Range | |
| Gross Alpha | pCi/L | 15 | (0) | 3 | ND | ND - 4 | 1.34 | | NA | | Erosion of natural deposits |
| Gross Alpha | pCi/L | 50 | (0) | 4 | ND | ND - 8 | ND | | NA | | Decay of natural and manmade deposits |
| Uranium | pCi/L | 20 | .43 | 1 | 2 | ND - 3 | NA | | NA | | Erosion of natural deposits |

How does radiological particles get into the drinking water? As water travels over the surface of the land or in underground aquifers, it dissolves naturally-occurring minerals and, in some cases, radioactive material. Radioactive materials can be naturally-occurring or a result of oil and gas mining activities. The results in the table above are presented in units of picocuries per liter (pCi/L), a standard measurement.

DISINFECTION RESIDUALS, DISINFECTION BY-PRODUCTS AND PRECURSORS (FEDERAL RULE)

| CHEMICAL PARAMETERS | Units | MCL (MRDL) | PHG (MRDLG) | Lake Skinner | | Distribution System | | MAJOR SOURCES IN DRINKING WATER |
|--|-------|------------|-------------|--------------|----------|---------------------|-------------|---|
| | | | | Average | Range | Average | Range | |
| Bromate (ppb) | ppb | 10 | 0.1 | ND | ND - 2.6 | NA | | Byproduct of drinking water ozonation |
| Total Chlorine Residual <i>Highest RAA</i> | ppm | (4) | (4) | 31 | 21 - 37 | 1.82 | 0.06 - 3.33 | Drinking water disinfectant added for treatment |
| Haloacetic Acids (five) <i>Highest LRAA</i> | ppb | 60 | NA | 31 | 21 - 37 | 16.4 | 2.0 - 27 | Byproduct of drinking water disinfection |
| Total Trihalomethanes <i>Highest LRAA</i> | ppb | 80 | NA | 15 | 1.7 - 26 | 45.3 | 1.8 - 80 | Byproduct of drinking water disinfection |

Drinking water must be disinfected to ensure that any potentially harmful microbes are neutralized. However, all disinfectant strategies have the potential to create a byproduct. When ozone is used, bromate is monitored as a disinfection byproduct. Both Metropolitan and Fallbrook use chloramines as our final disinfection to carry a residual to our customers. This is a mixture of chlorine and ammonia. The disinfection byproducts from chloramines that the EPA and DDW regulate are Total Trihalomethanes (THMs) and Haloacetic Acids (HAA5). As drinking water travels through the distribution system to homes and businesses, a disinfectant residual must be maintained in order to prevent growth of potentially harmful microbes.

TABLE 4 – SECONDARY STANDARDS (AESTHETICS STANDARDS)

| CHEMICAL PARAMETERS | Units | CA SMCL | DLR (MDL) | Treatment Plant | | | | Distribution System | | MAJOR SOURCES IN DRINKING WATER |
|------------------------|-------|------------|--------------|-----------------|------------|-----------------|-----------|---------------------|-----------|--|
| | | | | Lake Skinner | | Santa Margarita | | | | |
| | | | | Average | Range | Average | Range | Average | Range | |
| Aluminum | ppb | 200 | 50 | 113 | ND - 110 | ND | ND - 60 | 27 | ND - 54 | Erosion of natural deposits; residue from some surface water treatment processes |
| Chloride | ppm | 500 | (0.5) | 91 | 72 - 110 | 80 | 62 - 92 | 89 | 67 - 110 | Runoff/leaching from natural deposits; seawater influence |
| Color | Units | 15 | 1 | 1 | 1 | ND | ND | ND | ND | Naturally - occurring organic materials |
| Odor - Threshold | TON | 3 | 1 | 2 | 2 | ND | ND | ND | ND | Naturally - occurring organic materials |
| Specific Conductance | µS/cm | 1600 | NA | 852 | 664 - 1040 | 673 | 520 - 770 | 740 | 530 - 950 | Substances that form ions when in water; seawater influence |
| Sulfate | ppm | 500 | 0.5 | 174 | 113 - 236 | 105 | 82 - 120 | 152 | 84 - 220 | Runoff/leaching from natural deposits; industrial wastes |
| Total Dissolved Solids | ppm | 1000 | 10 | 536 | 401 - 670 | 385 | 280 - 440 | 475 | 320 - 630 | Runoff/leaching from natural deposits |

What are secondary drinking water standards? Secondary standards are set to protect the odor, taste, and appearance of drinking water. These parameters are not considered to present a risk to human health at or above Secondary MCL levels. If present at or above the Secondary MCL, these parameters may cause the water to appear cloudy or colored, or to have a different or unusual taste or odor.

TABLE 5 – OTHER PARAMETERS THAT MAY BE OF INTEREST

| CHEMICAL PARAMETERS | Units | Notification Level | Treatment Plant | | | | Distribution System | | MAJOR SOURCES IN DRINKING WATER |
|--|-------|--------------------|-----------------|-----------|-----------------|-----------|---------------------|-----------|---|
| | | | Lake Skinner | | Santa Margarita | | | | |
| | | | Average | Range | Average | Range | Average | Range | |
| Alkalinity | ppm | NA | 108 | 92 - 125 | 132 | 110 - 150 | 120 | 110 - 130 | Naturally present in the environment |
| Bicarbonate (HCO ₃) | ppm | NA | NA | NA | 132 | 110 - 150 | 120 | 110 - 130 | Naturally present in the environment |
| Boron | ppb | 1,000 | 130 | | ND | ND | ND | ND | Runoff leaching from natural deposits; industrial waste |
| Calcium Carbonate Precipitation Potential (CCPP) (as CaCO ₃) | ppm | NA | 7.1 | 4.2 - 10 | NA | | NA | | A measure of the balance between pH and calcium carbonate saturation in the water |
| Calcium | ppm | NA | 56 | 39 - 72 | 41 | 31 - 50 | 50 | 32 - 68 | Naturally present in the environment |
| Chlorate | ppb | 800 | 17 | | NA | | NA | | Byproduct of drinking water chlorination; industrial processes |
| Corrosivity | SI | NA | .68 | .62 - .75 | NA | | NA | | Elemental balance in water; affected by temperature, other factors |
| Hardness *Conversion to grains below | ppm | NA | 228 | 165 - 291 | 178 | 130 - 210 | 228 | 140 - 280 | Consists of Magnesium and Calcium and is usually naturally occurring |
| Lithium | ppb | NA | 30 | 18 - 43 | NA | | NA | | Naturally-occurring; used in electrochemical cells |

continued on page 7

TABLE 5 – OTHER PARAMETERS THAT MAY BE OF INTEREST

| | | | | | | | | | |
|---------------------------------------|-----|-----|-----|-----------|-----|-----------|-----|-----------|---|
| Magnesium | ppm | NA | 20 | 15 - 27 | 18 | 13 - 21 | 20 | 14 - 25 | Naturally present in the environment |
| N-Nitrosodimethylamine [NDMA] | ppt | 10 | 3.2 | | NA | | NA | | Byproduct of drinking water chloramination; industrial process |
| Perfluorooctanoic Acid (PFOA) | ppt | 5.1 | NA | | NA | | NA | | Industrial chemical factory discharges and various industrial processes |
| Perfluorooctanesulfonic Acid (PFOS) | Ppt | 6.5 | NA | | NA | | NA | | Industrial chemical factory discharges and various industrial processes |
| Perfluorohexanesulfonic acid (PFHxS) | Ppt | 3 | NA | | NA | | NA | | Industrial chemical factory discharges and various industrial processes |
| Perfluorobutanoic acid (PFBA) | ppt | 5 | 2.0 | | ND | 2.3 | NA | | Industrial chemical factory discharges and various industrial processes |
| pH | pH | NA | 8.4 | 8.2 - 8.5 | 8.1 | 7.9 - 8.3 | 8.1 | 7.7 - 8.6 | Various industrial processes |
| Potassium | ppm | NA | 4.2 | 3.6 - 4.8 | 1.7 | 1.2 - 1.9 | 3 | 1.4 - 4.5 | pH is a physical measure of water acidity |
| Sodium | ppm | NA | 86 | 69 - 103 | 71 | 58 - 79 | 77 | 56 - 98 | Salt present in the water; naturally-occurring |
| TOC <i>Total Organic Compounds</i> | ppm | TT | 2.6 | 2.3 - 3 | NA | | NA | | Various natural and manmade sources |

TABLE 6 – Additional groundwater parameters

The source of these water samples is untreated influent groundwater that supplies SMGTP.

| Constituent (CCR units) | MCL | PHG | Average | Range | Sample Date | Violation | Typical Source |
|---|-----|-----|---------|-------------|----------------|-----------|--|
| Fluoride (naturally occurring in ground water source) (ppm) | 2.0 | 1 | 0.28 | 0.22 - 0.31 | 2023 | N/A | Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories |

The addition of fluoride: At SMGTP, our facility adds fluoride to the treatment process to match the existing water purchased from San Diego County Water Authority. Our water system treats the water by adding fluoride to the naturally occurring level to help prevent dental caries in consumers. State regulations require the fluoride levels in the treated water be maintained within a range of 0.6 to 1.0 mg/L with an optimum dose of 0.7 mg/L. Above is the chart showing the natural existing amount entering the facility. Our monitoring showed that the fluoride levels in the effluent treated water ranged from 0.10 to 1.20 mg/L with an average of 0.69 mg/L. Information about fluoridation, oral health, and current issues is available at http://www.swrcb.ca.gov/drinking_water/certlic/drinkingwater/Fluoridation.shtml.

*Martin Tank, built in 1939,
located off Mission Road.*

*Construction workers, circa 1950, working
on Green Tank off Mission Road.*

*Tom grew up on the property of our
Water Reclamation Plant on Alturas Road,
before Camp Pendleton was there."*

TOP 5 Things You Need to Know about Fallbrook's Local Water Supply

Red Mountain Reservoir in January was about a third full. In April 2024 it is filled to capacity.

FPUD's Red Mountain Reservoir in January 2024.



- 1 We're using mostly local water.** At the start of 2024, more than 80% of the water that came out of your tap is local water from the Santa Margarita River which flows right through Fallbrook.
- 2 This is a huge shift from 3 years ago when 100% of our water was imported.** Imported water – imported ANYTHING – is more expensive.
- 3 Our local Red Mountain Reservoir was full in early 2024** – at capacity. It holds 440 million gallons of water.
- 4 California goes from drought to non-drought.** Thanks to your conservation and 2 wet years, we have plenty of water and no additional conservation efforts are required at this time. We have plenty of water – for NOW.
- 5 Mostly local water:** In March 2024, we only had to purchase about 38 acre-feet of imported water. Compare that with March 2022 we had to purchase about 460 acre-feet of imported water. An acre-foot is enough water for three families of four for a year. It is about the size of a football field, covered in 1 foot of water.

We began using water from the Santa Margarita River at the end of 2021. It reduces imported water purchases! And it helps protect us from rising imported water costs. It's a long-term investment that helps to keep water rates stable.

The Santa Margarita River flows right through Fallbrook but for about seven decades, we were involved in one of the longest-running federal lawsuits over water rights to the river. Now with that lawsuit behind us, we share the river's water with Camp Pendleton. The water is purified at our water treatment plant on Alturas Road and then sent to Fallbrook taps.

