

# 2021 Consumer Confidence Report

Water System Name: ALMOND GROVE MOBILE HP - CA0400040 Report Date: July 2022

*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, 2021 and may include earlier monitoring data.*

**Este informe contiene información muy importante sobre su agua para beber. Favor de comunicarse Almond Grove Mobile Home Park a (530) 342-6056 para asistirlo en español.**

**Type of water source(s) in use:** Ground water. In limited situations, water may be sourced from California Water Service

**Name & general location of source(s):** Main Well a.k.a. Pit Well, Almond Grove MHP 567 E Lassen Ave, Chico, CA and California Water Service - 2021 water quality information may be available from California Water in Chico, CA. Phone 530-893-6300 to request a copy of their 2021 Consumer Confidence Report. <https://www.calwater.com/ccrs/ch-ch-2021/>

**Drinking Water Source Assessment information:** Butte County Public Health Department's Division of Environmental Health conducted a Source Assessment in September 2016. Possible contaminating activities (PCAs) were identified by visual inspections as well as discussions with the onsite manager. The most significant PCAs for the well serving the Almond Grove Mobile Home Park are those activities associated with the gasoline station located north east of the water system, septic systems onsite and in the vicinity, the sewer collection system, high density housing including large apartment complexes as well as water wells located in the area. Though of lesser concern, activities associated with the maintenance of Highway 99 and streets in the area, may also impact this well.

**Time and place of regularly scheduled board meetings for public participation:**

Regularly-scheduled County meetings are held.

The State Water Resources Control Board may offer other opportunities.

**For more information, contact:** Greg Wietbrock [almondgrove@hignell.com](mailto:almondgrove@hignell.com) Phone: (530) 894-0404

## TERMS USED IN THIS REPORT

**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.

**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.

**Variances 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, and 6 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, AND**

**NOT DETECTED in 2021**

**TABLE 1.A COMPLIANCE WITH TOTAL COLIFORM MCL between January 1, 2021 and June 30, 2021 (inclusive)**

**NOT DETECTED in 2021**

State Revised Total Coliform Rule (RTCRR): This Consumer Confidence Report (CCR) reflects changes in drinking water regulatory requirements during 2021. These revisions add the requirements of the federal Revised Total Coliform Rule, effective since April 1, 2016, to the existing state Total Coliform Rule. The revised 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. If found, these must be corrected by the water system. **The state Revised Total Coliform Rule became effective July 1, 2021.**

**TABLE 2 – SAMPLING RESULTS SHOWING THE DETECTION OF LEAD AND COPPER**

| Lead and Copper<br>(complete if lead or copper<br>detected in the last sample set) | Sample<br>Date       | No. of<br>Samples<br>Collected | 90 <sup>th</sup><br>Percentile<br>Level<br>Detected | No. Sites<br>Exceeding<br>AL | AL  | PHG | No. of Schools<br>Requesting<br>Lead Sampling | Typical Source of<br>Contaminant                                                                                              |
|------------------------------------------------------------------------------------|----------------------|--------------------------------|-----------------------------------------------------|------------------------------|-----|-----|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Lead (ppb)                                                                         | June 18-<br>19, 2020 | 5                              | 1                                                   | 0                            | 15  | 0.2 |                                               | Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits |
| Copper (ppm)                                                                       | June 18-<br>19, 2020 | 5                              | 0                                                   | 0                            | 1.3 | 0.3 | Not applicable                                | 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<br>(and reporting units) | Sample<br>Date | Level<br>Detected | Range of<br>Detections | MCL  | PHG<br>(MCLG) | Typical Source of Contaminant                                                                                        |
|--------------------------------------------------|----------------|-------------------|------------------------|------|---------------|----------------------------------------------------------------------------------------------------------------------|
| Sodium (ppm)                                     | (2017)         | 16                | n/a                    | None | None          | Salt present in the water and is generally naturally occurring                                                       |
| Hardness (ppm)                                   | (2017)         | 214               | 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<br>(and reporting units) | Sample<br>Date | Level<br>Detected | Range of<br>Detections | MCL<br>[MRDL] | PHG<br>(MCLG)<br>[MRDLG] | Typical Source of Contaminant                                                    |
|--------------------------------------------------|----------------|-------------------|------------------------|---------------|--------------------------|----------------------------------------------------------------------------------|
| Gross Alpha Particle Activity (pCi/L)            | (2018)         | 1.92              | n/a                    | 15            | (0)                      | Erosion of natural deposits.                                                     |
| Nitrate-Nitrite as N                             | (2021)         | 9.7*              | n/a                    | 10            |                          | Leaching from septic tanks, sewage; erosion of natural deposits; fertilizer use. |
| Nitrate (as N) mg/L                              | (2021)         | 6.7*              | 1.2 – 9.2              | 10            | 10                       | Leaching from septic tanks, sewage; erosion of natural deposits; fertilizer use. |

**TABLE 5 – DETECTION OF CONTAMINANTS WITH A SECONDARY DRINKING WATER STANDARD**

| Chemical or Constituent<br>(and reporting units) | Sample<br>Date | Level Detected | Range of<br>Detections | SMCL  | PHG<br>(MCLG) | Typical Source of Contaminant                                |
|--------------------------------------------------|----------------|----------------|------------------------|-------|---------------|--------------------------------------------------------------|
| Chloride (mg/L)                                  | (2017)         | 21             | n/a                    | 500   | n/a           | Runoff/leaching from natural deposits; seawater influence.   |
| Specific Conductance (µS/cm)                     | (2017)         | 638            | n/a                    | 1,600 | n/a           | Substances that form ions when in water; seawater influence. |
| Sulfate                                          | (2017)         | 12.4           | n/a                    | 500   | n/a           | Runoff/leaching from natural deposits; industrial wastes.    |
| Total Dissolved Solids (TDS) mg/L                | (2017)         | 350            | n/a                    | 1,000 | n/a           | Runoff/leaching from natural deposits.                       |
| Turbidity (Units)                                | (2017)         | 0.2            | n/a                    | 5     | n/a           | Soil runoff.                                                 |

**TABLE 6 – DETECTION OF UNREGULATED CONTAMINANTS**

| Chemical or Constituent<br>(and reporting units) | Sample<br>Date | Level Detected | Range of<br>Detections | Notification Level | Health Effects Language                                                                                                                       |
|--------------------------------------------------|----------------|----------------|------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Hexavalent Chromium (ug/L)                       | (2018)         | 6.4            | n/a                    | 0.02 +             | Some people who drink water containing Hexavalent Chromium in excess of the MCL over many years may have an increased risk of getting cancer. |
| Vanadium (µg/L)                                  | (2017)         | 11             | n/a                    | 50                 | Vanadium exposures resulted in developmental and reproductive effects in rats.                                                                |

**TABLE 7 – VIOLATION OF A MCL, MRDL, AL, TT OR MONITORING REPORTING REQUIREMENT**

NONE IN 2021

**TABLE 8 – SAMPLING RESULTS SHOWING FECAL INDICATOR-POSITIVE GROUNDWATER SOURCE SAMPLES**

NONE DETECTED

continued on next page

| ADDITIONAL DETECTIONS                            |             |                |                     |                    |                               |
|--------------------------------------------------|-------------|----------------|---------------------|--------------------|-------------------------------|
| Chemical or Constituent<br>(and reporting units) | Sample Date | Level Detected | Range of Detections | Notification Level | Typical Source of Contaminant |
| Calcium (mg/L)                                   | (2017)      | 43             | n/a                 | n/a                | n/a                           |
| Magnesium (mg/L)                                 | (2017)      | 26             | n/a                 | n/a                | n/a                           |
| pH (units)                                       | (2017)      | 7.5            | n/a                 | n/a                | n/a                           |
| Alkalinity (Total) mg/L                          | (2017)      | 260            | n/a                 | n/a                | n/a                           |
| Aggressiveness Index                             | (2017)      | 11.9           | n/a                 | n/a                | n/a                           |
| Langelier Index                                  | (2017)      | 0.1            | 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. **ALMOND GROVE MOBILE PARK WATER SYSTEM** 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 (1-800-426-4791) or at <http://www.epa.gov/lead>.

**Nitrate:** For systems that detect nitrate above 5 mg/L as nitrogen, but below 10 mg/L as nitrogen: Nitrate in drinking water at levels above 10 mg/L is a health 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 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 specific enzyme deficiencies. If you are caring for an infant, or you are pregnant, you should ask advice from your health care provider.