

## 2022 Consumer Confidence Report

Water System Name: **GOLDEN OAKS ESTATES** # **CA0400023** Report Date: **August 2023**

*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, 2022 and may include earlier monitoring data.*

**Language in Spanish:** Este informe contiene información muy importante sobre su agua para beber. Favor de comunicarse **GOLDEN OAKS ESTATES** a **(530) 693-4268** para asistirlo en español.

**Type of water source(s) in use:** According to SWRCB records, this Source is Groundwater.

**Name & general location of source(s):** ONLY WELL  
3289 Highway 70, Oroville 95965

**Drinking Water Source Assessment information:** This Assessment was done using the Default Groundwater System Method. A source water assessment was conducted for the ONLY WELL of the GOLDEN OAKS MOBILE ESTATES water system on January, 2001.

ONLY WELL - is considered most vulnerable to the following activities not associated with any detected contaminants:

Injection wells/dry wells/ sumps

**Discussion of Vulnerability:** The source is considered vulnerable to the listed activities located near the source. Activities include operations associated with the onsite sewage collection system and sewage sump pump as well as septic systems and wells in the area. Though of lesser concern, activities associated with the maintenance of the highway and local roads may also impact this well.

**Acquiring Information:** A copy of the complete assessment is available from Butte County Public Health Department, Division of Environmental Health, and 202 Mira Loma Drive, Oroville, CA 95965. You may request a summary of the assessment be sent to you by contacting the Department at the above address or by calling (530) 552-3880.

**Time and place of regularly scheduled board meetings for public participation:** Regularly scheduled county board meetings are held. The State Water Resources Control Board may offer opportunities.

**For more information, contact:** Doreen Cessna, Development Leader, Monte Christo Phone: (916) 603-2763

### 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, 6, 7, 8 and A 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**

Microbiological Contaminants	Highest Number of Detections	No. of months in violation	MCL	MCLG	Typical Source of Bacteria
E. Coli	(In the year 2022) 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**

Lead and Copper (complete if lead or copper detected in the last sample set)	Sample Date	No. of Samples Collected	90 <sup>th</sup> Percentile Level Detected	No. Sites Exceeding AL	AL	PHG	No. of Schools Requesting Lead Sampling	Typical Source of Contaminant
Lead (ppb)	(2021)	5	ND	0	15	0.2	0	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
Copper (ppm)	(2021)	5	0.082	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 (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminant
Sodium (ppm)	(2020)	31	n/a	None	None	Salt present in the water and is generally naturally occurring
Hardness (ppm)	(2020)	165	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
Arsenic (ug/L)	(2021)	ND	n/a	10	0.004	Erosion of natural deposits; runoff from orchards; glass and electronics production wastes
Barium (ug/L)	(2018)	114	n/a	1000	2000	Discharge of oil drilling wastes and from metal refineries; erosion of natural deposits
Fluoride (mg/L)	(2020)	0.1	n/a	2.0	1	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Hexavalent Chromium (ug/L)	(2017)	2.7	n/a	See note at the bottom of Table 6.	0.02	Discharge from electroplating factories, leather tanneries, wood preservation, chemical synthesis, refractory production, and textile manufacturing facilities; erosion of natural deposits
Nitrate as N (mg/L)	(2022)	6.4*	6.3 – 6.5	10	10	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Nitrate + Nitrite as N (mg/L)	(2021)	6.7*	n/a	10		Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Gross Alpha (pCi/L)	(2017)	1.32	n/a	15	(0)	Erosion of natural deposits.
Radium 228 (pCi/L)	(2019)	0.158	n/a	5	0.019	Erosion of natural deposits.
TTHMs (Total Trihalomethanes) (µg/L)	(2020)	1	n/a	80	n/a	Byproduct of drinking water disinfection

**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
Chloride (mg/L)	(2020)	15	n/a	500	n/a	Runoff/leaching from natural deposits; seawater influence
Copper (µ/L)	(2020)	110	n/a	1000	n/a	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Sulfate (mg/L)	(2020)	14.2	n/a	500	n/a	Runoff/leaching from natural deposits; industrial wastes
Specific Conductance (µS/cm)	(2020)	477	n/a	1600	n/a	Substances that form ions when in water; seawater influence
Total Dissolved Solids (TDS)	(2020)	300	n/a	1000	n/a	Runoff/leaching from natural deposits
Turbidity (units)	(2020)	0.1	n/a	5	n/a	Soil runoff

**TABLE 6 – DETECTION OF UNREGULATED CONTAMINANTS**

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	Notification Level	Health Effects Language
Boron (mg/L)	(2020)	2	n/a	1	Boron exposures resulted in decreased fetal weight (developmental effects) in newborn rats.

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	Notification Level	Health Effects Language
Vanadium (ug/L)	(2018)	18	n/a	50	Vanadium exposures resulted in developmental and reproductive effects in rats.

+ There is currently no MCL for Hexavalent Chromium. The previous MCL of 10ug/L was withdrawn on 9/11/17. Hexavalent Chromium is expected to be reinstated with an MCL in the Primary Drinking Water Standard later in 2023 or in 2024.

**TABLE 7 – VIOLATION OF A MCL, MRDL, AL, TT OR MONITORING REPORTING REQUIREMENT  
NONE IN 2022**

**TABLE 8 – SAMPLING RESULTS SHOWING FECAL INDICATOR-POSITIVE GROUNDWATER SOURCE SAMPLES  
NONE DETECTED IN 2022**

**TABLE A. ADDITIONAL DETECTIONS**

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	Notification Level	Typical Source of Contaminant
Calcium (mg/L)	(2020)	35	n/a	n/a	n/a
Magnesium (mg/L)	(2020)	19	n/a	n/a	n/a
pH (units)	(2020)	7.0	n/a	n/a	n/a
Alkalinity (Total) mg/L	(2020)	170	n/a	n/a	n/a
Aggressiveness Index	(2020)	11.2	n/a	n/a	n/a
Langelier Index	(2020)	-0.7	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. **GOLDEN OAKS MOBILE ESTATES** 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>.

**Systems that detect nitrate above 5 mg/L as nitrogen, but below 10 mg/L (MCL) 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.

Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity.