

# PureSource Water, Inc.

P.O. Box 1958 \* Aptos, CA 95001

Phone: (831) 688-8476

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*Serving Redwood Drive, Pacific Heights Drive and Forest Park Lane*

June 27, 2019

## Re: 2019 – Consumer Confidence Report (CCR)

The Consumer Confidence Report is a document prepared to summarize the results of drinking water testing that PureSource Water, Inc. (hereinafter “PureSource”) has performed in order to provide safe drinking water to our community. It also includes explanations and information about the regulations that Community Water Systems, such as PureSource, are required to comply with. The attached CCR covers the previous calendar year (January 1, 2019 – December 31, 2019); however, not all water quality tests are required to be performed every year. If a test was not required during the previous year, we report the most recent water quality monitoring data, which may be from prior years.

PureSource tests for many more constituents than are shown on the attached list. Those constituents that were *not* detected in our water are not included in the report. Also, please note that items included in the list are not necessarily harmful or unusual, but are still required to be tested for and reported.

PureSource (Water System No: 4400598) – is regulated by the Santa Cruz County Environmental Health, Drinking Water Program, acting for the State Water Resources Control Board through a local primacy agreement. All laboratory analyses are performed by State Approved Drinking Water Laboratories.

The PureSource water system is routinely tested for both Total Coliform and E. coli bacteria. In addition to that bacteriological monitoring, all other testing was performed in accordance with our approved sampling and analysis plan. PureSource Water, Inc. receives ongoing guidance from the Santa Cruz County Environmental Health Services, Drinking Water Program to ensure that all testing is performed in accordance with State and Federal regulations. It is the goal of PureSource to meet these requirements and continue to supply its Customers with drinking water meeting all established water quality standards.

If you have any specific questions about the PureSource Water system, please feel free to contact us at any time and we will be happy to assist you. (831) 688-8476 or [accounts@psh2o.com](mailto:accounts@psh2o.com).

Sincerely,  
Martin and Jennifer  
PureSource Water, Inc.

# 2019 Consumer Confidence Report

Water System Name: **PureSource Water, Inc.**

Report Date: **June 26, 2020**

*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, 2019 and may include earlier monitoring data.*

**Este informe contiene información muy importante sobre su agua para beber. Favor de comunicarse PureSource Water, Inc. a **831-688-8476** para asistirlo en español.**

**这份报告含有关于您的饮用水的重要讯息。请用以下地址和电话联系 PureSource Water, Inc. 以获得中文的帮助: **PO Box 1958, Aptos, CA 95005, 831-688-8476****

**Ang pag-uulat na ito ay naglalaman ng mahalagang impormasyon tungkol sa inyong inuming tubig. Mangyaring makipag-ugnayan sa PureSource Water, Inc. PO Box 1958, Aptos, CA 95005 o tumawag sa **831-688-8476** para matulungan sa wikang Tagalog.**

**Báo cáo này chứa thông tin quan trọng về nước uống của bạn. Xin vui lòng liên hệ PureSource Water, Inc. tại **831-688-8476** để được hỗ trợ giúp bằng tiếng Việt.**

**Tsab ntawv no muaj cov ntsiab lus tseem ceeb txog koj cov dej haus. Thov hu rau PureSource Water, Inc. ntawm **831-688-8476** rau kev pab hauv lus Askiv.**

Type of water source(s) in use: Groundwater Wells

Name & general location of source(s): Well #2 ID# 4400598-003; Well #3 ID# 4400598-004, Redwood Dr. Aptos.

Drinking Water Source Assessment information:

A Drinking Water Source Assessment was conducted on March 28, 2019 by the County of Santa Cruz Environmental Health Services Agency in Conjunction with PureSource Water staff. The most likely potential threats to the sources are septic systems and road runoff. These risks are mitigated by proper separation and good facility maintenance. Overall this water system is considered Not Vulnerable to contaminants included in the water quality analyses.

Time and place of regularly scheduled board meetings for public participation: Meetings are scheduled as needed.

For more information, contact: Martin Mills or Jennifer Young Phone: (831) 688-8476

## TERMS USED IN THIS REPORT

**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).

**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.

**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.

**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.

**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.

**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.

**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** (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. PureSource Water, Inc. provides only groundwater from 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.

For approximately 10 days total between March 25 and May 29 in 2019, PureSource also purchased water from Soquel Creek Water District (SqCWD), through an intertie, to keep a portion of the system pressurized while repairing water leaks. SqCWD only provides groundwater from wells. Specific water quality information for SqCWD may be found in their Consumer Confidence / Water Quality Report here: <https://www.soquelcreekwater.org/waterqualityreports>

**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.

**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.

**Tables 1, 2, 3, 4, and 5 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 (complete if bacteria detected)	Highest No. of Detections	No. of Months in Violation	MCL	MCLG	Typical Source of Bacteria
Total Coliform Bacteria (State Total Coliform Rule)	(In a month) 0	0	1 positive monthly sample <sup>(a)</sup>	0	Naturally present in the environment
Fecal Coliform or <i>E. coli</i> (State Total Coliform Rule)	(In the year) 0	0	A routine sample and a repeat sample are total coliform positive, and one of these is also fecal coliform or <i>E. coli</i> positive		Human and animal fecal waste
<i>E. coli</i> (Federal Revised Total Coliform Rule)	(In the year) 0	0	(b) 0	0	Human and animal fecal waste

(a) Two or more positive monthly samples is a violation of the MCL

(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 <sup>th</sup> Percentile Level Detected	No. Sites Exceeding AL	AL	PHG	No. of Schools Requesting Lead Sampling	Typical Source of Contaminant
Copper (ppm)	8/5/19	5	.42	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)	1/17/17	25.5	25 - 26	None	None	Salt present in the water and is generally naturally occurring
Hardness (ppm)	1/17/17	270	270 - 270	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
Gross Alpha Particle Activity (pCi/L)	3/14/17 7/17/17	.4905	0.141 - 0.84	15	(0)	Erosion of natural deposits
Fluoride (mg/L)	8/5/19	0.16	0.15 – 0.17	2.0	(1)	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories

**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(s) of Contaminant
Manganese (ppb)	1/17/17 7/13/17	14	0 - 28	50	(c)	Leaching from natural deposits
Turbidity (units)	1/17/17	0.42	0.22 – 0.62	5	(c)	Soil runoff
Total Dissolved Solids (TDS) (ppm)	1/17/17	360	340 - 380	1000	(c)	Runoff/leaching from natural deposits
Specific Conductance (µS/cm)	1/17/17	640	620 - 660	1600	(c)	Substances that form ions when in water; seawater influence
Chloride (mg/L)	1/17/17	27	23 – 31	500	(c)	Runoff/leaching from natural deposits; seawater influence
Sulfate (ppm)	1/17/17	88.5	88 - 89	500	(c)	Runoff/leaching from natural deposits; industrial wastes

(c) There are no PHGs, MCLGs, or mandatory standard health effects language for these constituents because secondary MCLs are set on the basis of aesthetics.

## Additional General Information on Drinking Water

This Consumer Confidence Report (CCR) reflects changes in drinking water regulatory requirements during 2016. All water systems are required to comply with the state Total Coliform Rule. Beginning April 1, 2016, all water systems are also required to comply with the federal Revised Total Coliform Rule. The new federal 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 new 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.

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. PureSource Water, Inc. 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>.

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