

# 2018 Consumer Confidence Report

Water System Name: BODEGA WATER COMPANY, INC Report Date: 4/18/19

*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 - December 31, 2018 and may include earlier monitoring data.*

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

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 [Enter Water System's Name Here] 以获得中文的帮助: [Enter Water System's Address Here] [Enter Water System's Phone Number Here]

Ang pag-uulat na ito ay naglalaman ng mahalagang impormasyon tungkol sa inyong inuming tubig. Mangyaring makipag-ugnayan sa [Enter Water System's Name and Address Here] o tumawag sa [Enter Water System's Phone Number Here] para matulungan sa wikang Tagalog.

Báo cáo này chứa thông tin quan trọng về nước uống của bạn. Xin vui lòng liên hệ [Enter Water System's Name Here] tại [Enter Water System's Address or Phone Number Here] để được hỗ trợ giúp bằng tiếng Việt.

Tsab ntavw no muaj cov ntsiab lus tseem ceeb txog koj cov dej haus. Thov hu rau [Enter Water System's Name Here] ntawm [Enter Water System's Address or Phone Number Here] rau kev pab hauv lus Askiv.

Type of water source(s) in use: Three Ground Water Wells

Name & general location of source(s): Well Number 2, Well Number 3 and Well Number 5. All three wells are located in the town of Bodega, County of Sonoma, California. Bodega Water Company, Inc. provides water to a total of 37 parcels owned by members of Bodega Water Company, Inc.

Drinking Water Source Assessment information: Please see last page.  
*Copies of the complete assessments may be viewed at: Drinking Water Field Operations Branch 50 D Street, Suite 200 Santa Rosa, CA 95404*

Time and place of regularly scheduled board meetings for public participation: Monthly board meetings are held the Third Monday of each month at McCaughey Hall (aka the Fire Hall in the town of Bodega. An annual meeting is held once a year and is announced a minimum of 30 days in advance. All meetings are open to the public.

For more information, contact: Tyler Judson, Weeks Water Treatment Phone: (707) 823-3184

## 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 (USEPA).

**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.

**Variations and Exemptions:** State Board permission 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)

**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 by-products 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 USEPA and the State Water Resources Control Board (State Board) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. State Board regulations also establish limits for contaminants in bottled water that provide the same protection for public health.

**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**

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 mo.) 0	0	1 positive monthly sample	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	(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	Typical Source of Contaminant
Lead (ppb)	8/31/17	5	7	0	15	0.2	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
Copper (ppm)	8/31/17	5	0.084	0	1.3	0.3	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)	9/18/18	102.6	28-150	none	none	Salt present in the water and is generally naturally occurring
Hardness (ppm)	9/18/18	61.93	1.8-180	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
Barium (ppm)	9/18/18	0.02	0-0.06	1	2	Discharge of oil drilling wastes and from metal refineries; erosion of natural deposits
*Fluoride (ppm)	9/18/18	2.46	0.10-3.9	2.0	1	Erosion of natural deposits, water additive which promotes strong teeth, discharge from fertilizer and factories
Total Trihalomethanes (TTHMs) ppb	2018	62	60-76	80	na	By-product of drinking water disinfection
Haloacetic Acids (HAA5) ppb	2018	25	20-32	60	na	By-product of drinking water disinfection
Chlorine (ppm)	2018	1.3	0.5-1.7	[MRDL = 4.0 (as Cl <sub>2</sub> )]	[MRDLG = 4 (as Cl <sub>2</sub> )]	Drinking water disinfectant added for treatment
Gross Alpha pCi/L	4/19/16	0.24	0-0.47	15	0	Erosion of natural deposits

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

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminant
Chloride (ppm)	9/18/18	39	25-57	500	na	Runoff/leaching from natural deposits: seawater influence
Iron (ppb)	9/18/18	37	ND-110	300	na	Leaching from natural deposits; industrial wastes
Sulfate (ppm)	9/18/18	6.86	2.1-12	500	na	Runoff/leaching from natural deposits: industrial wastes
Specific Conductance (pS/cm)	9/18/18	530	320-680	1600	na	Substances that form ions when in water: seawater influence
Total Dissolved Solids (TDS) (ppm)	9/18/18	263	150-330	1000	na	Runoff / leaching from natural deposits
*Odor (units)	9/18/18	20.3	1-50	3	na	Naturally-occurring organic materials
Turbidity (units)	9/18/18	1.19	0.56-1.8	5	na	Soil run off
Color (units)	9/13/17	5	0-10	15	na	Naturally-occurring organic materials
Manganese (ppb)	9/18/18	18	0-53	50	na	Leaching from natural deposits

TABLE 6 – DETECTION OF UNREGULATED CONTAMINANTS					
Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	Notification Level	Health Effects Language
None					

**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 USEPA’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. USEPA/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 for Community Water Systems: 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. **Bodega Water Co.** 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. [Optional: 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 (1-800-426-4701) or at <http://www.epa.gov/lead>.

\*Samples taken in 2018 were over the MCLs for Odor. Secondary standards are set for aesthetic reasons.

\*Samples taken for Fluoride in 2018 were above the MCL but with the blending of water sources it was reduced to acceptable levels.

Bodega Water Co. is operated under contract with Weeks Water Treatment of Sebastopol. To inquire about the System or to report trouble please call (707) 823-3184.

**Summary Information for Violation of a MCL, MRDL, AL, TT, or Monitoring and Reporting Requirement**

VIOLATION OF A MCL, MRDL, AL, TT, OR MONITORING AND REPORTING REQUIREMENT				
Violation	Explanation	Duration	Actions Taken to Correct the Violation	Health Effects Language
None				

**For Water Systems Providing Ground Water as a Source of Drinking Water**

<b>TABLE 7 – SAMPLING RESULTS SHOWING FECAL INDICATOR-POSITIVE GROUND WATER SOURCE SAMPLES</b>					
<b>Microbiological Contaminants</b> (complete if fecal-indicator detected)	<b>Total No. of Detections</b>	<b>Sample Dates</b>	<b>MCL [MRDL]</b>	<b>PHG (MCLG) [MRDLG]</b>	<b>Typical Source of Contaminant</b>
<i>E. coli</i> - NONE	(In the year) -0		0	(0)	Human and animal fecal waste
Enterococci	(In the year)-0		TT	n/a	Human and animal fecal waste
Coliphage	(In the year)-0		TT	n/a	Human and animal fecal waste

**Summary Information for Fecal Indicator-Positive Ground Water Source Samples,  
Uncorrected Significant Deficiencies, or Ground Water TT**

<b>SPECIAL NOTICE OF FECAL INDICATOR-POSITIVE GROUND WATER SOURCE SAMPLE</b>				
None				
<b>SPECIAL NOTICE FOR UNCORRECTED SIGNIFICANT DEFICIENCIES</b>				
None				
<b>VIOLATION OF GROUND WATER TT</b>				
<b>TT Violation</b>	<b>Explanation</b>	<b>Duration</b>	<b>Actions Taken to Correct the Violation</b>	<b>Health Effects Language</b>
<b>None</b>				

**For Systems Providing Surface Water as a Source of Drinking Water**

<b>TABLE 8 - SAMPLING RESULTS SHOWING TREATMENT OF SURFACE WATER SOURCES</b>	
Treatment Technique <sup>(a)</sup> (Type of approved filtration technology used)	Slow Sand Filter
Turbidity Performance Standards <sup>(b)</sup> (that must be met through the water treatment process)	Turbidity of the filtered water must: 1 – Be less than or equal to <u>1.0</u> NTU in 95% of measurements in a month. 2 – Not exceed <u>1.0</u> NTU for more than eight consecutive hours. 3 – Not exceed <u>2.0</u> NTU at any time.
Lowest monthly percentage of samples that met Turbidity Performance Standard No. 1.	100%
Highest single turbidity measurement during the year	0.762
Number of violations of any surface water treatment requirements	None

- (a) A required process intended to reduce the level of a contaminant in drinking water.
- (b) Turbidity (measured in NTU) is a measurement of the cloudiness of water and is a good indicator of water quality and filtration performance. Turbidity results which meet performance standards are considered to be in compliance with filtration requirements.

**Summary Information for Violation of a Surface Water TT**

<b>VIOLATION OF A SURFACE WATER TT</b>				
<b>TT Violation</b>	<b>Explanation</b>	<b>Duration</b>	<b>Actions Taken to Correct the Violation</b>	<b>Health Effects Language</b>
<b>None</b>				

## Summary Information for Operating Under a Variance or Exemption

### Drinking Water Source Assessment Information:

- **WELL 02 – Ground Water 002 4900850-002**

**District Name** DHS Sonoma District **No.** 18 Sonoma, **System No.** 4900850 **Completed by** Chris Carter **Date** January, 2002

A source water assessment was conducted for the **WELL 02** of the **BODEGA WATER COMPANY** water system in **January, 2002**. The source is considered most vulnerable to the following activities not associated with any detected contaminants: Septic systems - low density [less than 1per acre] **Discussion of Vulnerability:** Source is considered vulnerable to activities located near the drinking water source.

- **WELL 03 - SURFACE INFLUENCE 003 4900850-003**

**District Name** DHS Sonoma District, **District No.** 18 Sonoma, **System No.** 4900850 **Completed by** Chris Carter **Date** January, 2002

A source water assessment was conducted for the **WELL 03** of the **BODEGA WATER COMPANY** water system in **January, 2002**. The source is considered most vulnerable to the following activities not associated with any detected contaminants: Septic systems - low density [less than 1per acre] **Discussion of Vulnerability:** Source is still considered vulnerable to activities located near the drinking water source.

- **WELL 05 - SURFACE INFLUENCE 005 4900850-005**

**District Name** DHS Sonoma District, **District No.** 18 Sonoma, **System No.** 4900850 **Completed by** Chris Carter **Date** January, 2002

A source water assessment was conducted for the **WELL 05** of the **BODEGA WATER COMPANY** water system in **January, 2002**. The source is considered most vulnerable to the following activities not associated with any detected contaminants: Grazing [less than 5 large animals or equivalent per acre] **Discussion of Vulnerability:** however, the source is considered vulnerable to activities located near the drinking water source.