

BBPUD 2017 Annual Consumer Confidence Report

1 Primary Constituents											Typical Source			
Microbiological Contaminants	MCL	PHG or MCLG	Average	Met Regulation?	Highest # of Detections		# of Months in Violation		Notes					
Total Coliform in Distribution System	>1 positive/mo positive sample and	0	N/A	Yes	0		0						Naturally present in the environment.	
Fecal Coliform or E. coli	positive repeat sample	0	N/A	Yes	0		0						Human and animal fecal waste.	
Inorganic Constituents	MCL	PHG or MCLG	Average	Met Regulation?	Ropollo Well 1	Date of Most Recent Sample *	Ropollo Well 2	Date of Most Recent Sample *	Ropollo Well 3A	Date of Most Recent Sample *	Dunes Well 03A	Date of Most Recent Sample *	Dunes Well 4	Date of Most Recent Sample *
Aluminum Al (ppb)	1000	600	32.00	Yes	78	12/17/2015	N/A		ND	12/17/2015	ND	12/23/2015	<50	6/16/2016
Fluoride F (naturally occurring) (ppm)	2	1	0.11	Yes	0.11	12/17/2015	N/A		0.13	12/17/2015	0.1	12/23/2015	0.13	12/17/2015
Nitrate NO3 (ppm)	45 as Nitrate		0.61	Yes	0.51	12/14/2017	0.96	12/23/2015	<.40	8/24/2017	1.6	12/7/2017	<.40	12/7/2017
Hexavalent Chromium (ppb)	10	0.02	0.42	Yes	ND	10/26/2017	1.1	10/28/2014	ND	10/26/2017	ND	10/26/2017	ND	10/26/2017
Organic Constituents	MCL	PHG or MCLG	Average	Met Regulation?	Ropollo Well 1	Date of Most Recent Sample *	Ropollo Well 2	Date of Most Recent Sample *	Ropollo Well 3A	Date of Most Recent Sample *	Dunes Well 03A	Date of Most Recent Sample *	Dunes Well 4	Date of Most Recent Sample *
Total Trihalomethanes (TTHMs) (ppb)	80	NS	17.37	Yes	9.19 ug/L Sample Date July 27, 2017 25.54 ug/L Sample Date October 26, 2017									By product of drinking water disinfection. Some people who drink water containing trihalomethanes in excess of the MCL over many years may experience liver, kidney, or central nervous system problems, and may have an increased risk of getting cancer.
2 Constituents With Secondary MCLs	MCL	PHG or MCLG	Average	Met Regulation?	Ropollo Well 1	Date of Most Recent Sample *	Ropollo Well 2	Date of Most Recent Sample *	Ropollo Well 3A	Date of Most Recent Sample *	Dunes Well 03A	Date of Most Recent Sample *	Dunes Well 4	Date of Most Recent Sample *
Aluminum Al (ppb)	1000	600	32.00	Yes	78	12/17/2015	N/A		ND	12/17/2015	ND	12/23/2015	<50	6/16/2016
Chloride Cl (ppm)	500	NS	339.25	Yes	410	7/21/2016	N/A		840	12/14/2017	39	7/21/2016	68	7/21/2016
Color, color units	15	NS	6.75	Yes	<5.0	7/21/2016	N/A		12	12/17/2015	<5.0	7/21/2016	<5.0	7/21/2016
Odor-Threshold Odor Number (T.O.N.)	3	NS	0.75	Yes	<1.0	7/21/2016	N/A		ND	12/17/2015	<1.0	7/21/2016	<1.0	7/21/2016
Turbidity (NTU)	5	NS	2.25	Yes	0.14	7/21/2016	N/A		8.1	12/17/2015	0.3	7/21/2016	0.46	7/21/2016
Specific Conductance (umhos/cm)	1600	NS	882.50	Yes	1,800	7/21/2016	N/A		710	3/24/2016	440	7/21/2016	580	7/21/2016
Sulfate SO4 (ppm)	500	NS	29.80	Yes	57	7/21/2016	N/A		53	12/17/2015	8.7	7/21/2016	0.83	7/21/2016
Sodium Na (ppm)	500	NS	76.75	Yes	120	7/21/2016	N/A		120	12/17/2015	21	7/21/2016	46	7/21/2016
Total Dissolved Solids (ppm)	1000	NS	867.50	Yes	1,200	7/21/2016	N/A		1,700	12/17/2015	250	7/21/2016	320	7/21/2016
3 Lead and Copper	AL	PHG		Met Regulation?	90 th Percentile Level Found		Date of Most Recent Sample *	# of Sites (out of 20) found above the AL						
Copper (ppb) ***	1300	300		Yes	1.1		Aug. 18, 2017	1		Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives.				
Lead (ppb)	15	0.2		Yes	0.017		Aug. 18, 2017	1		Internal corrosion of household plumbing systems; discharges from industrial manufacturers; erosion of natural deposits.				
4 Other Water Quality Parameters	MCL	PHG or MCLG	Average	Met Regulation?	Ropollo Well 1	Date of Most Recent Sample *	Ropollo Well 2	Date of Most Recent Sample *	Ropollo Well 3A	Date of Most Recent Sample *	Dunes Well 03A	Date of Most Recent Sample *	Dunes Well 4	Date of Most Recent Sample *
Arsenic As (ppb)	10	10	1.77	Yes	4.9	12/17/2015	N/A		2.2	12/17/2015	ND	12/23/2015	ND	12/17/2015
Chromium Cr (ppb)	100	100	ND	Yes	ND	12/17/2015	N/A		ND	12/17/2015	ND	12/23/2015	ND	12/17/2015
Total Alkalinity as CaCO3 (ppm)	N/A	N/A	N/A	N/A	180	7/21/2016	N/A		160	12/17/2015	150	7/21/2016	180	7/21/2016
Bicarbonate as HCO3 (ppm)	N/A	N/A	N/A	N/A	210	7/21/2016	N/A		200	12/17/2015	180	7/21/2016	220	7/21/2016
Hardness as CaCO3 (ppm)	N/A	N/A	N/A	N/A	559	7/21/2016	N/A		854	12/17/2015	165	7/21/2016	170	7/21/2016
Calcium Ca (ppm)	N/A	N/A	N/A	N/A	130	7/21/2016	N/A		190	12/17/2015	48	7/21/2016	46	7/21/2016
Iron Fe (ppb)	300	300	250.00	Yes	<100	7/21/2016	N/A		830	12/14/2017	<100	7/21/2016	170	7/21/2016
Magnesium Mg (ppm)	N/A	N/A	N/A	N/A	55	7/21/2016	N/A		92	12/17/2015	11	7/21/2016	13	7/21/2016
Manganese Mn (ppb)	50	50	287.50	No	870	10/12/2017	N/A		280	12/14/2017	<20	7/21/2016	<20	7/21/2016
pH	N/A	N/A	N/A	N/A	7.78	7/21/2016	N/A		7.56	12/17/2015	7.78	7/21/2016	8.09	7/21/2016

CONTACT US

For more information about water quality or to report a water quality concern, call 707-875-3332 or visit www.bodegabaypubd.com.

BBPUD encourages public participation in decisions affecting drinking water quality and other matters at its Board of Directors meeting held the third Wednesday of each month at 9 A.M., 265 Doran Park Road, Bodega Bay.

Board of Directors

Rod Moore Robert Gerber Peter Rooney
Ned Mantua Richard Ogg

General Manager

Jan Ames

ADDITIONAL CONTACTS

California State Water Resource Control Board, Division of Drinking Water: 707-576-2145

U.S. Environmental Protection Agency
Safe Drinking Water Hotline: 800-426-4791

Sonoma County
Public Health Department: 707-565-4400

Spanish

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



Key Terms

DBP - disinfection by-products. These are formed when chlorine and/or ozone reacts with natural constituents in water. Trihalomethanes (THMs), haloacetic acids (HAAs) and bromate are disinfection by-products.
MCL - maximum contaminant level. 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 odor, taste and appearance of drinking water.
MCLG - Maximum contaminant level goal. 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.
MRDL - Maximum residual disinfectant level. 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.
MRDLG - Maximum residual disinfectant level goal. The level of drinking water disinfectant below

* Sampling schedule in accordance with BBPUD's Source Chemical Monitoring Requirements as issued by California State Water Resource Control Board.

Notification level - A health-based advisory level established by the California Department of Public Health for chemicals in drinking water that lack MCLs.
Primary drinking water standard - These standards regulate contaminants that affect health by setting MCLs and MRDLs along with their monitoring, reporting and water treatment requirements.
PHG - Public Health Goal. The level of a contaminant in drinking water below which there is no known or expected risk to health. Public health goals are set by the California Environmental Protection Agency.
Regulatory action level - The concentration which, if exceeded, triggers treatment or other requirements that a water system must follow.
TOC - Total organic carbon. A measure of organic compounds that could form by-products after disinfection.
Turbidity - A measure of the cloudiness of water. Turbidity is monitored because it is a good indication of groundwater quality and a high turbidity can hinder the effectiveness of disinfectants.
TT - Treatment technique. A required process intended to reduce the level of a contaminant in drinking water.
90th percentile - A measure that indicates 90 percent of the samples had a lower result.

MRDLG - Maximum Residual Disinfectant Level goal. The level of 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.

A source water assessment was conducted by the California Department of Health Services in March 2002. This report is available at the District office. From the assessments it was determined that the Salmon Creek Wells are the most vulnerable to grazing, the Bodega Dunes Wells are the most vulnerable to septic systems and sewer collection systems, and the Roppolo Wells are the most vulnerable to automobile gas stations.

Disclosures required per California Drinking Water Regulations Title 22 Chapter 15 Article 20 § 64481

The source 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 tap water is safe to drink, the U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (Department) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. Department regulations also establish limits for contaminants in bottled water that provide the same protection for public health.

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 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 at (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).

