

# 2016 Consumer Confidence Report

Water System Name: Little Bear Water Company Report Date: May 15, 2017

*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, 2016 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.**

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

Name & general location of source(s): Well No. 3 – Ground water extracted from the Salinas River south/east of the district boundaries.

**Drinking Water Source Assessment information:** The assessment of the drinking water sources for Little Bear Water Company System was completed in December 2002. Well 01, Well 02, and Well 03 are considered most vulnerable to the following activities associated with contaminants detected in the water supply: Crops, irrigated; and Fertilizer, Pesticide/Herbicide Application. Well 03 is also vulnerable to Septic systems – low density. In addition, the sources are considered vulnerable to the following activities not associated with any detected contaminants: Wells – Agricultural/Irrigation.

A copy of the completed assessment will be made available for viewing at the following locations:

Division of Drinking Water – Monterey District  
Drinking Water Field Operations Branch  
1 Lower Ragsdale Drive, Building 1, Suite 120  
Monterey, California 93940

Time and place of regularly scheduled board meetings for public participation: None scheduled

For more information, contact: David Morisoli, General Manager Phone: ( 831 ) 385-3524

## 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):**

**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

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.

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	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	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)	(from 4/1/16-12/31/16)	0	(a)	0	Human and animal fecal waste
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(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)	07/14/14	10	6	0	15	0.2	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
Copper (ppm)	07/14/14	10	0.22	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) Well No. 1 Well No. 2 Well No. 3	07/14/15 04/16/15 Average	45 mg/L 50 mg/L 32 mg/L	29 - 42	none	none	Salt present in the water and is generally naturally occurring
Hardness (ppm) Well No. 1 Well No. 2 Well No. 3	07/14/15 07/20/11 03/20/15	167 mg/L 128 mg/L 189 mg/L		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 Well No. 1 Well No. 2	07/14/15 07/20/11	3.0 ug/L 4.0 ug/L		10		Erosion of natural deposits; residue from some surface water treatment processes.
Fluoride (ppm) Well No. 1 Well No. 2 Well No. 3	07/14/15 07/20/11 03/30/15	0.24 mg/L 0.26 mg/L .21 mg/L		2.0 mg/L		Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories.
Lead Well No.1	07/14/15	53 ug/L		15 ug/L	0.2 ug/L	Internal corrosion of household water plumbing system; discharge from industrial manufacturers; and erosion of natural deposits.
Disinfection ByProducts Haloacetic Acids (HAA5) Via Canada Reservoir 53090 Pine Canyon Road	07/12/16 07/12/16	5.0 ug/L 6.0 ug/L		60 ug/L		Byproduct of drinking water disinfection.
Total Trihalomethanes Via Canada Reservoir 53090 Pine Canyon Road	07/12/16 07/12/16	5.7 ug/L 10.5 ug/L		80 ug/L		Byproduct of drinking water disinfection.
Nitrate/Nitrite Nitrate Well No. 1 Well No. 2	04/27/16 04/27/16 Average	2.2 mg/L 1.5 mg/L 3.7 mg/L	2.7 – 5.4	10 mg/L		Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits.

Well No. 3						
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**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
<b>Bicarbonate Alkalinity</b>						
Well No. 1	07/14/15	194 mg/L				
Well No. 2	07/20/11	172 mg/L				
Well No. 3	03/20/15	175 mg/L				
<b>Calcium</b>						
Well No. 2	07/20/11	30 mg/L				
Well No. 3	03/20/15	46 mg/L				
<b>Chloride</b>						
Well No. 1	07/14/15	24 mg/L		500 mg/L		Runoff/leaching from natural deposits; seawater influence.
Well No. 2	07/20/11	17 mg/L				
Well No. 3	03/20/15	22 mg/L				
<b>Color</b>						
Well No. 1	7/14/15	35 Units		15 Units		Naturally-occurring organic materials.
<b>Hardness (Total)(as CaCO3)</b>						
Well No. 1	07/14/15	167 mg/L				
Well No. 2	07/20/11	128 mg/L				
Well No. 3	03/20/15	189 mg/L				
<b>Copper</b>						
Well No. 1	07/14/15	.41 mg/L		1.0 mg/L		Internal corrosion of household plumbing systems, erosion of natural deposits, leaching from wood preservatives.
<b>Iron</b>						
Well No. 1	07/14/15	0.42 mg/L		0.3 mg/L		Leaching from natural deposits; industrial wastes.
Well No. 2	04/27/16	0.40 mg/L				
<b>Magnesium</b>						
Well No. 1	07/14/15	17 mg/L				Leaching from natural deposits.
Well No. 2	04/16/15	15 mg/L				
Well No. 3	03/20/15	18 mg/L				
<b>Manganese</b>						
Well No. 1	07/14/15	106 mg/L		50 mg/L		Leaching from natural deposits.
<b>pH, Laboratory</b>						
Well No. 1	07/14/15	7.6				
Well No. 2	11/12/15	7.5				
Well No. 3	Average	7.3	7.1 – 7.6			
<b>Specific Conductance</b>						
Well No. 1	04/27/16	610 uS/cm		1,600 uS/cm		Substance that form ions when in water; seawater influence.
Well No. 2	04/05/12	550 uS/cm				
Well No. 3	03/30/15	495 uS/cm				
<b>Sulfate</b>						
Well No. 1	07/14/15	75 mg/L		1000 mg/L		Runoff/leaching from natural deposits.
Well No. 2	11/12/15	67 mg/L				
Well No. 3	Average	72 mg/L	22 – 82			
<b>Turbidity, Laboratory</b>						
Well No. 1	07/14/15	31 NTU		5 NTU		Soil runoff.
Well No. 2	04/16/15	.7 NTU				
Well No. 3	10/12/15	0.05 NTU				
<b>Total Dissolved Solids</b>						
Well No. 1	07/14/15	330 mg/L		1000 mg/L		Runoff/leaching from natural deposits.
Well No. 2	11/12/15	385 mg/L				
Well No. 3	Average	368 mg/L	352 - 405			

TABLE 6 – DETECTION OF UNREGULATED CONTAMINANTS					
Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	Notification Level	Health Effects Language

**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. Little Bear Water Company 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>.

**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
N/A				

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

TABLE 7 – SAMPLING RESULTS SHOWING FECAL INDICATOR-POSITIVE GROUND WATER SOURCE SAMPLES
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Microbiological Contaminants (complete if fecal-indicator detected)	Total No. of Detections	Sample Dates	MCL [MRDL]	PHG (MCLG) [MRDLG]	Typical Source of Contaminant
<i>E. coli</i>	0	01/31/16 – 12/31/16	0	(0)	Human and animal fecal waste
Enterococci	(In the year)		TT	n/a	Human and animal fecal waste
Coliphage	(In the year)		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**

SPECIAL NOTICE OF FECAL INDICATOR-POSITIVE GROUND WATER SOURCE SAMPLE				
N/A				
SPECIAL NOTICE FOR UNCORRECTED SIGNIFICANT DEFICIENCIES				
N/A				
VIOLATION OF GROUND WATER TT				
TT Violation	Explanation	Duration	Actions Taken to Correct the Violation	Health Effects Language
N/A				

**For Systems Providing Surface Water as a Source of Drinking Water – N/A**

TABLE 8 - SAMPLING RESULTS SHOWING TREATMENT OF SURFACE WATER SOURCES	
Treatment Technique <sup>(a)</sup> (Type of approved filtration technology used)	
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 ____ NTU in 95% of measurements in a month. 2 – Not exceed ____ NTU for more than eight consecutive hours. 3 – Not exceed ____ NTU at any time.
Lowest monthly percentage of samples that met Turbidity Performance Standard No. 1.	
Highest single turbidity measurement during the year	
Number of violations of any surface water treatment requirements	

- (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 – N/A**

<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>

**Summary Information for Operating Under a Variance or Exemption**

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# ATTACHMENT 7

## Consumer Confidence Report Certification Form

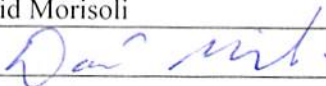
(to be submitted with a copy of the CCR)

(to certify electronic delivery of the CCR, use the certification form on the State Board's website at [http://www.waterboards.ca.gov/drinking\\_water/certlic/drinkingwater/CCR.shtml](http://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/CCR.shtml))

Water System Name: Little Bear Water Company

Water System Number: 2710016

The water system named above hereby certifies that its Consumer Confidence Report was distributed on May 18, 2017 (date) to customers (and appropriate notices of availability have been given). Further, the system certifies that the information contained in the report is correct and consistent with the compliance monitoring data previously submitted to the State Water Resources Control Board, Division of Drinking Water.

Certified by: Name: David Morisoli  
Signature:   
Title: General Manager  
Phone Number: ( 831 ) 385-3524 Date: May 19, 2017

*To summarize report delivery used and good-faith efforts taken, please complete the below by checking all items that apply and fill-in where appropriate:*

- CCR was distributed by mail or other direct delivery methods. Specify other direct delivery methods used: U.S. Postal Service
- "Good faith" efforts were used to reach non-bill paying consumers. Those efforts included the following methods:
  - Posting the CCR on the Internet at www.
  - Mailing the CCR to postal patrons within the service area ( 93930 )
  - Advertising the availability of the CCR in news media (attach copy of press release)
  - Publication of the CCR in a local newspaper of general circulation (attach a copy of the published notice, including name of newspaper and date published)
  - Posted the CCR in public places (attach a list of locations)
  - Delivery of multiple copies of CCR to single-billed addresses serving several persons, such as apartments, businesses, and schools
  - Delivery to community organizations (attach a list of organizations)
  - Other (attach a list of other methods used)
- For systems serving at least 100,000 persons: Posted CCR on a publicly-accessible internet site at the following address: www.
- For privately-owned utilities: Delivered the CCR to the California Public Utilities Commission

*This form is provided as a convenience and may be used to meet the certification requirement of section 64483(c), California Code of Regulations.*