

DEPARTMENT OF WATER & POWER, CITY OF BIG BEAR LAKE
BIG BEAR LAKE/MOONRIDGE WATER SYSTEM
2007

	DWP RANGE	DWP AVERAGE	STATE MCL	PHG (MCLG)	DATE SAMPLED	MAJOR SOURCES
Turbidity	0.1-1.3	0.3 NTU	5	N/S	2005	soil runoff
Microbiological						
Total Coliform Bacteria	0	0 positive	3/month	(0)	2007	naturally present in the environment
Inorganic Chemicals (samples every 3 years)						
Arsenic	ND-22	2.0 ppb	10	N/S	2005	erosion of natural deposits, runoff from orchards, glass, and electronics production wastes
Fluoride	ND-1.1	0.35	2	1	2005	erosion of natural deposits, water additive that promotes strong teeth, discharge from fertilizer, and aluminum factories
Nitrate (as N03) (sampled every year)	ND-11.0	3.5 ppm	45	45	2007	erosion of natural deposits
Bicarbonate (HC03)	110-410	269 ppm			2005	
Aluminum	ND-56	2.7 ppm	1,000	N/A	2005	erosion of natural deposits
Barium	ND-150	14.3 ppm	1,000		2005	erosion of natural deposits
Radioactivity (sampled every 4 years)						
Gross Alpha Activity	ND-4.8	0.10 pci/L	15	(0)	2007	erosion of natural deposits
Uranium	ND-2.5	0.05 pci/L	20	0	2007	
Secondary Standards (sampled every 3 years)						
Odor-Threshold	1-1	1 unit	3	N/S	2005	naturally-occurring organic materials
Chloride	ND-20	7.6 ppm	500	N/S	2005	run-off/leaching from natural deposits
Sulfate	9.3-94	31.3 ppm	500	N/S	2005	run-off/leaching from natural deposits
Total Dissolved Solids	140-390	289 ppm	500	N/S	2005	run-off/leaching from natural deposits
Iron	ND-260	60 ppb	300	N/S	2005	leaching from natural deposits, and industrial wastes
Manganese	ND-720	40 ppb	50	N/S	2005	leaching from natural deposits
Additional Constituents (sampled every 3 years)						
PH	7.2-7.9	7.6 units	N/S	N/S	2005	N/A
Hardness (CaC03)	64-370	233 ppm	N/S	N/S	2005	N/A
Sodium	5.3-50	17.4 ppm	N/S	N/S	2005	N/A
Calcium	17-83	57 ppm	N/S	N/S	2005	N/A
Potassium	ND-4.7	1.8 ppm	N/S	N/S	2005	N/A
Magnesium	5.6-46	24.5 ppm	N/S	N/S	2005	N/A
Lead and Copper Rule (sampled inside 20 customer homes)						
Lead	ND	ND ppm	AL=.015	0.002	2007	internal corrosion of household water plumbing systems, discharges from industrial manufacturers, and erosion of natural deposits
<p>Lead: 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 & home plumbing. The DWP 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 are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, & steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead.</p>						
Copper	ND-.180	0.09 ppm	AL=1.3	0.17	2007	internal corrosion of household water plumbing systems, erosion of natural deposits, and leaching from wood preservatives

Arsenic: Some people who drink water containing arsenic in excess of the MCL, over many years, may experience skin damage or circulatory system problems, and may have an increased risk of contracting cancer.

Unregulated Contaminants

Boron	ND-130	6.2 ppb	1,000	N/S	2005	erosion of natural deposits
Vanadium	ND-25	3.6 ppb	50	N/S	2005	erosion of natural deposits

A source water assessment was conducted for the domestic water wells of the Department of Water, City of Big Bear Lake's Big Bear Lake/Moonridge water system in December 2001.

A copy of the complete assessment may be viewed at the Department of Water's office or at the DHS San Bernardino District office, 464 West 4th Street, Suite 437, San Bernardino, CA 92401.

You may request a summary of the assessment to be sent to you by contacting the DHS District Engineer at 909.383.4328.