

2015 Consumer Confidence Report

Water System Name: BANTA ELEMENTARY SCHOOL

Report Date: June 2016

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, 2015.

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: According to CDPH records, this Source is Groundwater. This Assessment was done using the Default Groundwater System Method.

Your water comes from 1 source(s): Well

For more information about this report, or any questions relating to your drinking water, please call (209) 838 - 7842 and ask for Quality Service Inc..

TERMS USED IN THIS REPORT

Maximum Contaminant Level (MCL): The highest level of contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically 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 the contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.

Secondary Drinking Water Standards (SDWS): MCLs for the 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.

ppm: parts per million or milligrams per liter (mg/L)

ppb: parts per billion or micrograms per liter (µg/L)

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 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.

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 Department 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.

Lead and Copper (complete if lead or copper detected in last sample set)	Sample Date	90th percentile level detected	No. Sites Exceeding AL	AL	PHG	Typical Sources of Contaminant
Copper (ppm)	5 (2013)	0.03	0	1.3	.3	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Sources of Contaminant
Sodium (ppm)	(2009)	146	N/A	none	none	Salt present in the water and is generally naturally occurring
Hardness (ppm)	(2009)	154	N/A	none	none	Sum of polyvalent cations present in the water, generally magnesium and calcium, and are usually naturally occurring

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL [MRDL]	PHG (MCLG) [MRDLG]	Typical Sources of Contaminant
Arsenic (ppb)	(2013)	8	N/A	10	0.004	Erosion of natural deposits; runoff from orchards; glass and electronics production wastes

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Sources of Contaminant
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Chloride (ppm)	(2009)	86	N/A	500	n/a	Runoff/leaching from natural deposits; seawater influence
Color (Units)	(2010)	5	N/A	15	n/a	Naturally-occurring organic materials
Manganese (ppb)	(2009)	190	N/A	50	n/a	Leaching from natural deposits
Specific Conductance (umhos/cm)	(2009)	950	N/A	1600	n/a	Substances that form ions when in water; seawater influence
Sulfate (ppm)	(2009)	201	N/A	500	n/a	Runoff/leaching from natural deposits; industrial wastes
Total Dissolved Solids (ppm)	(2009)	580	N/A	1000	n/a	Runoff/leaching from natural deposits
Turbidity (NTU)	(2010)	0.9	N/A	5	n/a	Soil runoff
Zinc (ppm)	(2009)	0.26	N/A	5	n/a	Runoff/leaching from natural deposits

Any violation of MCL, AL or MRDL is highlighted. Additional information regarding the violation is provided later in this report.

Table 5 - DETECTION OF UNREGULATED CONTAMINANTS

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	Notification Level	Typical Sources of Contaminant
Boron (ppm)	(2009)	0.9	N/A	1	The babies of some pregnant women who drink water containing boron in excess of the notification level may have an increased risk of developmental effects, based on studies in laboratory animals.

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 the service lines and home plumbing. *Banta School* 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, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/lead>.

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

For Arsenic (As) results above 5 ppb up to and including 10 ppb: While your drinking water meets the federal and state standard for arsenic, it does contain low levels of arsenic. The arsenic standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from the drinking water. The U.S. Environmental Protection Agency continues to research the health effects of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory

problems.

About our Manganese: Manganese was found at levels that exceed the secondary MCL. The Manganese MCL was set to protect you against unpleasant aesthetic affects such as color, taste, odor and the staining of plumbing fixtures (e.g., tubs and sinks), and clothing while washing. Violating this MCL does not pose a risk to public health.

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Drinking Water Assessment Information

Assessment Information

A source water assessment was conducted for the WELL 01 of the BANTA ELEMENTARY SCHOOL water system in April, 2002.

Well - is considered most vulnerable to the following activities not associated with any detected contaminants:

- Animal Feeding Operations as defined in federal regulation 2
- Concentrated Animal Feeding Operations [CAFOs] as defined in
- Septic systems - high density [>1 /acre]
- Wastewater treatment plants
- Airports - Maintenance/fueling areas
- Automobile - Gas stations
- Chemical/petroleum processing/storage
- Dry cleaners
- Historic gas stations
- Historic waste dumps/landfills
- Injection wells/dry wells/ sumps
- Known Contaminant Plumes
- Landfills/dumps
- Metal plating/ finishing/fabricating
- Military installations
- Mining operations - Active
- Mining operations - Historic
- Plastics/synthetics producers
- Underground Injection of Commercial/Industrial Discharges
- Underground storage tanks - Confirmed leaking tanks

Discussion of Vulnerability

There have been no contaminants detected in the water supply, however the source is still considered vulnerable to activities located near the drinking water source.

Acquiring Information

A copy of the complete assessment may be viewed at:

San Joaquin County
Environmental Health Department
304 E. Weber Ave, 3rd Floor
Stockton, CA 95202

You may request a summary of the assessment be sent to you by contacting:

Small Public Water Systems
SJ Co Environmental Health Department
(209) 468-3420

Banta School

Analytical Results By FGL - 2015

LEAD AND COPPER RULE									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	90th Percentile	# Samples
Copper		ppm		1.3	.3			0.025	5
Bathroom, Little Boys	STK1339672-2	ppm				2013-10-01	ND		
Office	STK1339672-4	ppm				2013-10-01	ND		
Room 1	STK1339672-1	ppm				2013-10-01	ND		
Room 14	STK1339672-3	ppm				2013-10-01	ND		
Room 6	STK1339672-5	ppm				2013-10-01	0.05		

SAMPLING RESULTS FOR SODIUM AND HARDNESS									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Sodium		ppm		none	none			146	146 - 146
Well	STK0936191-1	ppm				2009-07-14	146		
Hardness		ppm		none	none			154	154 - 154
Well	STK0936191-1	ppm				2009-07-14	154		

PRIMARY DRINKING WATER STANDARDS (PDWS)									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Arsenic		ppb		10	0.004			8	8 - 8
Well	STK1332229-1	ppb				2013-03-13	8		

SECONDARY DRINKING WATER STANDARDS (SDWS)									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Chloride		ppm		500	n/a			86	86 - 86
Well	STK0936191-1	ppm				2009-07-14	86		
Color		Units		15	n/a			5	5 - 5
Well	STK1037957-1	Units				2010-09-03	5		
Manganese		ppb		50	n/a			190	190 - 190
Well	STK0936191-1	ppb				2009-07-14	190		
Specific Conductance		umhos/cm		1600	n/a			950	950 - 950
Well	STK0936191-1	umhos/cm				2009-07-14	950		
Sulfate		ppm		500	n/a			201	201 - 201
Well	STK0936191-1	ppm				2009-07-14	201		
Total Dissolved Solids		ppm		1000	n/a			580	580 - 580
Well	STK0936191-1	ppm				2009-07-14	580		
Turbidity		NTU		5	n/a			0.9	0.9 - 0.9
Well	STK1037957-1	NTU				2010-09-03	0.9		
Zinc		ppm		5	n/a			0.26	0.26 - 0.26
Well	STK0936191-1	ppm				2009-07-14	0.26		

UNREGULATED CONTAMINANTS									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Boron		ppm		NS	n/a			0.9	0.9 - 0.9
Well	STK0936191-1	ppm				2009-07-14	0.9		

Banta School
CCR Login Linkage - 2015

FGL Code	Lab ID	Date_Sampled	Method	Description	Property
AFTER PT	STK1550818-3	2015-09-30	Coliform	After Pressure Tank	Water Monitoring
BTHRM, LIT BOYS	STK1339672-2	2013-10-01	Metals, Total	Bathroom, Little Boys	Copper & Lead Monitoring 3901014
CafeteriaSink	STK1530483-1	2015-01-12	Coliform	Cafeteria Sink	River Island Academy
	STK1531538-1	2015-02-13	Coliform	Cafeteria Sink	River Island Academy
	STK1532154-1	2015-03-05	Coliform	Cafeteria Sink	River Island Academy
	STK1533671-1	2015-04-15	Coliform	Cafeteria Sink	River Island Academy
	STK1534726-1	2015-05-11	Coliform	Cafeteria Sink	River Island Academy
	STK1536096-1	2015-06-08	Coliform	Cafeteria Sink	River Island Academy
	STK1537188-1	2015-07-06	Coliform	Cafeteria Sink	Next Generation STEAM Academy
	STK1539192-1	2015-08-18	Coliform	Cafeteria Sink	Next Generation STEAM Academy
	STK1550390-1	2015-09-21	Coliform	Cafeteria Sink	Next Generation STEAM Academy
	STK1551232-1	2015-10-08	Coliform	Cafeteria Sink	Next Generation STEAM Academy
	STK1552410-1	2015-11-09	Coliform	Cafeteria Sink	Next Generation STEAM Academy
	STK1553703-1	2015-12-16	Coliform	Cafeteria Sink	Next Generation STEAM Academy
FOUNTAIN E GYM	STK1531350-1	2015-02-09	Coliform	Drinking Fountain E Side Gym	Bacteriological Sampling-Even
	STK1533128-1	2015-04-06	Coliform	Drinking Fountain E Side Gym	Bacteriological Sampling-Even
	STK1536222-1	2015-06-10	Coliform	Drinking Fountain E Side Gym	Bacteriological Sampling-Even
	STK1538730-1	2015-08-10	Coliform	Drinking Fountain E Side Gym	Bacteriological Sampling-Even
	STK1550818-1	2015-09-30	Coliform	Drinking Fountain E Side Gym	Water Monitoring
	STK1551421-1	2015-10-14	Coliform	Drinking Fountain E Side Gym	Bacteriological Sampling-Even
	STK1553449-1	2015-12-09	Coliform	Drinking Fountain E Side Gym	Bacteriological Sampling-Even
Office	STK1339672-4	2013-10-01	Metals, Total	Office	Copper & Lead Monitoring 3901014
Rm. 1 S HB	STK1530397-1	2015-01-12	Coliform	Rm. 1 South Side HB	Bacteriological Sampling-Odd
	STK1532330-1	2015-03-10	Coliform	Rm. 1 South Side HB	Bacteriological Sampling-Odd
	STK1534849-1	2015-05-11	Coliform	Rm. 1 South Side HB	Bacteriological Sampling-Odd
	STK1537531-1	2015-07-15	Coliform	Rm. 1 South Side HB	Bacteriological Sampling-Odd
	STK1550195-1	2015-09-15	Coliform	Rm. 1 South Side HB	Bacteriological Sampling-Odd
	STK1552554-1	2015-11-12	Coliform	Rm. 1 South Side HB	Bacteriological Sampling-Odd
RM 1	STK1339672-1	2013-10-01	Metals, Total	Room 1	Copper & Lead Monitoring 3901014
	STK1550818-2	2015-09-30	Coliform	Room 1	Copper & Lead Monitoring
RM 14	STK1339672-3	2013-10-01	Metals, Total	Room 14	Copper & Lead Monitoring 3901014
RM 6	STK1339672-5	2013-10-01	Metals, Total	Room 6	Copper & Lead Monitoring 3901014
Well 01	STK0936191-1	2009-07-14	General Mineral	Well	BANTA ELEMENTARY SCHOOL
	STK1037957-1	2010-09-03	Wet Chemistry	Well	Water Monitoring
	STK1332229-1	2013-03-13	Metals, Total	Well	DHS Water Monitoring