

2018 Consumer Confidence Report

Water System Name: GRATTON SCHOOL

Report Date: April 2019

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.

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 SWRCB records, this Source is Groundwater. This Assessment was done using the Default Groundwater System Method.

Your water comes from 1 source(s): 2013 Well

Opportunities for public participation in decisions that affect drinking water quality: Regularly-scheduled water board or city/county council meetings currently are not held.

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

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.

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.

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

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

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

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 Resource 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 and 2 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 MCL, AL or MRDL is highlighted. Additional information regarding the violation is provided later in this report.

Table 1 - SAMPLING RESULTS SHOWING THE DETECTION OF LEAD AND COPPER						
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 (mg/L)	5 (2017)	0.09	0	1.3	.3	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

Table 2 - 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 Sources of Contaminant
Arsenic (ug/L)	(2017)	9	8 - 9	10	0.004	Erosion of natural deposits; runoff from orchards, glass and electronics production wastes
1,2,3-Trichloropropane (1,2,3-TCP) (ug/L)	(2018)	0.006	ND - 0.009	0.005	0.0007	

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

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. *Gratton School & District Office WS* 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

About our Arsenic: 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 1,2,3-Trichloropropane (1,2,3-TCP): Some people who use water containing 1,2,3-trichloropropane in excess of the action level over many years may have an increased risk of getting cancer, based on studies in laboratory animals.

2018 Consumer Confidence Report Drinking Water Assessment Information

Assessment Information

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

2013 Well - is considered most vulnerable to the following activities not associated with any detected contaminants:
systems - low density [$<1/\text{acre}$]

Discussion of Vulnerability

A routine inorganic test of the drinking water on October 6, 1997 revealed an arsenic level of 15.2 PPB. On January 1, 2002, the EPA lowered (and the state has adopted) the MCL for arsenic from 50 PPB to 10PPB based upon four consecutive quarterly samples. Please note that most arsenic is naturally occurring, as is most likely in this case, and not from a PCA.

Acquiring Information

A copy of the complete assessment may be viewed at:

Stanislaus County Environmental Resources
3800 Cornucopia Way, Suite C
Modesto, CA 95358

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

Tom Wolfe
Sr. EHS (Water)
(209) 525-6756
Twolfe@envres.org

Gratton School & District Office WS

Analytical Results By FGL - 2018

LEAD AND COPPER RULE									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	90th Percentile	# Samples
Copper		mg/L		1.3	.3			0.09	5
Boys RR Sink	STK1751144-2	mg/L				2017-08-29	0.09		
Kitchen Sink	STK1751144-3	mg/L				2017-08-29	0.09		
Office Sink	STK1751144-1	mg/L				2017-08-29	0.06		
Room #2 Sink	STK1751144-4	mg/L				2017-08-29	0.09		
Room #5 Sink	STK1751144-5	mg/L				2017-08-29	0.06		

PRIMARY DRINKING WATER STANDARDS (PDWS)									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Arsenic		ug/L		10	0.004			9	8 - 9
2013 Well	STK1751731-1	ug/L				2017-09-13	8		
2013 Well	STK1737060-1	ug/L				2017-06-08	9		
2013 Well	STK1733004-1	ug/L				2017-03-15	9		
1,2,3-Trichloropropane (1,2,3-TCP)		ug/L		0.005	0.0007			0.006	ND - 0.009
2013 Well	STK1856160-1	ug/L				2018-11-09	0.009		
2013 Well	STK1850942-1	ug/L				2018-08-01	0.009		
2013 Well	STK1836233-1	ug/L				2018-05-09	0.007		
2013 Well	STK1831767-1	ug/L				2018-02-08	ND		

Gratton School & District Office WS

CCR Login Linkage - 2018

FGL Code	Lab ID	Date_Sampled	Method	Description	Property
2013 WELL	STK1733004-1	2017-03-15	Metals, Total	2013 Well	Water Quality Monitoring
	STK1737060-1	2017-06-08	Metals, Total	2013 Well	Water Quality Monitoring
	STK1751731-1	2017-09-13	Metals, Total	2013 Well	Water Quality Monitoring
	STK1831767-1	2018-02-08	SRL 524M-TCP	2013 Well	TCP Monitoring
	STK1836233-1	2018-05-09	SRL 524M-TCP	2013 Well	TCP Monitoring
	STK1850942-1	2018-08-01	SRL 524M-TCP	2013 Well	TCP Monitoring
	STK1856160-1	2018-11-09	SRL 524M-TCP	2013 Well	TCP Monitoring
BOYS RR SINK	STK1751144-2	2017-08-29	Metals, Total	Boys RR Sink	Lead and Copper Monitoring
	STK1833193-1	2018-03-13	Coliform	Boys RR Sink	Water Monitoring - 3
	STK1839783-1	2018-07-11	Coliform	Boys RR Sink	Water Monitoring - 3
	STK1856159-1	2018-11-09	Coliform	Boys RR Sink	Water Monitoring - 3
Kit.Sink	STK1751144-3	2017-08-29	Metals, Total	Kitchen Sink	Lead and Copper Monitoring
	STK1834739-1	2018-04-12	Coliform	Kitchen Sink	Water Monitoring - 4
	STK1850632-1	2018-08-01	Coliform	Kitchen Sink	Water Monitoring - 4
	STK1857490-1	2018-12-06	Coliform	Kitchen Sink	Water Monitoring - 4
Office Sink	STK1751144-1	2017-08-29	Metals, Total	Office Sink	Lead and Copper Monitoring
RM #2 Sink	STK1751144-4	2017-08-29	Metals, Total	Room #2 Sink	Lead and Copper Monitoring
	STK1830361-1	2018-01-08	Coliform	Room #2 Sink	Water Monitoring - 1
	STK1836232-1	2018-05-09	Coliform	Room #2 Sink	Water Monitoring - 1
	STK1852725-1	2018-09-06	Coliform	Room #2 Sink	Water Monitoring - 1
RM #5 Sink	STK1751144-5	2017-08-29	Metals, Total	Room #5 Sink	Lead and Copper Monitoring
	STK1831766-1	2018-02-08	Coliform	Room #5 Sink	Water Monitoring - 2
	STK1838516-1	2018-06-18	Coliform	Room #5 Sink	Water Monitoring - 2
	STK1854414-1	2018-10-04	Coliform	Room #5 Sink	Water Monitoring - 2