2018 Consumer Confidence Report

Water System Name: DIXON WATER COMPANY 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 alquien que lo entienda bien.

Type of water source(s) in use: Information regarding the type of water source in use is not available, as this water system does not have a completed assessment on file. Please see the Drinking Water Source Assessment Information section located at the end of this report for more details.

Your water comes from 1 source(s): RIVER WELL 01

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 (559)471-5097 and ask for Julie Doctor.

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.

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.

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

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

pCi/L: picocuries per liter (a measure of radiation)

umhos/cm: micro mhos per centimeter

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 if 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, 2, 3, 4, 5, 6 and 7 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 COLIFORM BACTERIA

Microbiological Contaminants (complete if bacteria detected)	**Highest No. of Detections**	**No. of Months in Violation**	**MCL**	**MCLG**	**Typical Sources of Contaminant**
Total Coliform Bacteria	1/mo. (2018)	0	no more than 1 positive monthly sample	0	Naturally present in the environment.

Table 2 - 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**
Lead (ug/L)	10 (2018)	5.8	0	15	0.2	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers, erosion of natural deposits

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 Sources of Contaminant**
Sodium (mg/L)	(2016)	23	n/a	none	none	Salt present in the water and is generally naturally occurring
Hardness (mg/L)	(2016)	189	n/a	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 Sources of Contaminant**
Barium (mg/L)	(2016)	0.19	n/a	1	2	Discharge from oil drilling wastes and from metal refineries; erosion of natural deposits
Fluoride (mg/L)	(2016)	0.2	n/a	2	1	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories.
Nitrate as N (mg/L)	(2016)	2	n/a	10	10	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Nitrate + Nitrite as N (mg/L)	(2016)	2	n/a	10	10	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Gross Alpha (pCi/L)	(2018)	4.02	n/a	15	(0)	Erosion of natural deposits.

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 Sources of Contaminant**
Chloride (mg/L)	(2016)	38	n/a	500	n/a	Runoff/leaching from natural deposits; seawater influence
Specific Conductance (umhos/cm)	(2016)	499	n/a	1600	n/a	Substances that form ions when in water; seawater influence
Sulfate (mg/L)	(2016)	17.6	n/a	500	n/a	Runoff/leaching from natural deposits; industrial wastes
Total Dissolved Solids (mg/L)	(2016)	300	n/a	1000	n/a	Runoff/leaching from natural deposits

Table 6 - DETECTION OF UNREGULATED CONTAMINANTS					
Chemical or Constituent (and reporting units)	**Sample Date**	**Level Detected**	**Range of Detections**	**Notification Level**	**Typical Sources of Contaminant**
Vanadium (mg/L)	(2016)	0.01	n/a	0.05	Vanadium exposures resulted in developmental and reproductive effects in rats.

Table 7 - ADDITIONAL DETECTIONS					
Chemical or Constituent (and reporting units)	**Sample Date**	**Level Detected**	**Range of Detections**	**Notification Level**	**Typical Sources of Contaminant**
Calcium (mg/L)	(2016)	61	n/a	n/a	n/a
Magnesium (mg/L)	(2016)	9	n/a	n/a	n/a
pH (units)	(2016)	7.1	n/a	n/a	n/a
Alkalinity (mg/L)	(2016)	170	n/a	n/a	n/a
Aggressiveness Index	(2016)	11.5	n/a	n/a	n/a
Langelier Index	(2016)	-0.3	n/a	n/a	n/a

Additional General Information on Drinking Water

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts if 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. *Dixon 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. 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 Total Coliform Bacteria: Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful, waterborne pathogens may be present or that a potential pathway exists through which contamination may enter the drinking water distribution system. We found coliforms indicating the need to look for potential problems in water treatment or distribution. When this occurs, we are required to conduct assessment(s) to identify problems and to correct any problems that were found during these assessments.

2018 Consumer Confidence Report

Drinking Water Assessment Information

Assessment Information
A Drinking Water Source Assessment has not been completed for the WELL 01 of the DIXON WATER COMPANY water system.

RIVER WELL 01 - does not have a completed assessment on file.

Discussion of Vulnerability
Assessment summaries are not available for some sources. This is because:
 The Assessment has not been completed. Contact the local Department of Health Services (DHS) Drinking Water field office or the water system to find out when the Assessment is scheduled to be done.
 The source is not active. It may be out of service, or new and not yet in service.
 The Assessment was not submitted electronically. The site used to obtain Assessments only provides access to Assessment summaries submitted electronically.

Acquiring Information
For more info you may visit https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/DWSAP.html or contact the health department in the county to which the water system belongs as indicated on this following link: https://www.waterboards.ca.gov/drinking_water/programs/documents/ddwem/DDWdistrictofficesmap.pdf

Dixon Water Company

Analytical Results By FGL - 2018

MICROBIOLOGICAL CONTAMINANTS									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Total Coliform Bacteria			0	5%	n/a			0	11.1 - 11.1
40863 D Pressure Tanks	VI 1841737-1					2018-04-16	<1.0		
40863-D Sierra Drive	VI 1840159-1					2018-01-10	Absent		
40863D Sierra Drive Press. Tnk	VI 1841697-1					2018-04-12	Present		
Apartment #7	VI 1846562-1					2018-12-05	Absent		
Apartment #7	VI 1846197-1					2018-11-15	Absent		
Apartment #7	VI 1845373-1					2018-10-04	Absent		
Apartment #7	VI 1844827-1					2018-09-12	Absent		
Apartment #7	VI 1843998-1					2018-08-08	Absent		
Apartment #7	VI 1843579-1					2018-07-19	Absent		
Apartment #7	VI 1842698-1					2018-06-06	Absent		
Apartment #7	VI 1842153-1					2018-05-09	Absent		
Apartment #7	VI 1841698-1					2018-04-12	Absent		
Apartment #7 HB	VI 1841802-3					2018-04-18	<1.0		
Apartment 1 HB	VI 1841802-5					2018-04-18	<1.0		
Apartment 3 HB	VI 1841802-4					2018-04-18	<1.0		
Apartment 8 HB	VI 1841802-2					2018-04-18	<1.0		
Apt. 1 HB	VI 1841736-4					2018-04-16	<1.0		
Apt. 3 HB	VI 1841736-3					2018-04-16	<1.0		
Apt. 7 HB	VI 1841736-2					2018-04-16	<1.0		
Apt. 8 HB	VI 1841736-5					2018-04-16	<1.0		
N.E. Corner HB	VI 1841736-1					2018-04-16	<1.0		
NW Corner of Apartments HB	VI 1841802-6					2018-04-18	<1.0		
Pressure Tank @ 40863D Sierra	VI 1842699-1					2018-06-06	<1.0		
Pressure Tanks By Shop	VI 1842152-1					2018-05-09	<1.0		
Pressure Tanks By Shop	VI 1841152-1					2018-03-14	<1.0		
Pressure Tanks By Shop	VI 1840585-1					2018-02-07	<1.0		
Pressure Tanks By Shop	VI 1840360-1					2018-01-24	11.1		

LEAD AND COPPER RULE									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	90th Percentile	# Samples
Lead		ug/L	0	15	0.2			5.8	10
Apartment 1	VI 1846961-5	ug/L				2018-12-28	5.4		
Apartment 2	VI 1846961-4	ug/L				2018-12-28	ND		
Apartment 3	VI 1846961-3	ug/L				2018-12-28	ND		
Apartment 7	VI 1846961-2	ug/L				2018-12-28	ND		
Apartment 8	VI 1846961-1	ug/L				2018-12-28	ND		
Apt. #1	VI 1844895-5	ug/L				2018-09-18	5.8		
Apt. #2	VI 1844895-4	ug/L				2018-09-18	ND		
Apt. #3	VI 1844895-3	ug/L				2018-09-18	ND		
Apt. #7	VI 1844895-2	ug/L				2018-09-18	9.0		
Apt. #8	VI 1844895-1	ug/L				2018-09-18	ND		

SAMPLING RESULTS FOR SODIUM AND HARDNESS									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Sodium		mg/L		none	none			23	23 - 23
RIVER WELL 01	VI 1643824-1	mg/L				2016-09-14	23		
Hardness		mg/L		none	none			189	189 - 189
RIVER WELL 01	VI 1643824-1	mg/L				2016-09-14	189		

PRIMARY DRINKING WATER STANDARDS (PDWS)

		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Barium		mg/L	2	1	2			0.19	0.19 - 0.19
RIVER WELL 01	VI 1643824-1	mg/L				2016-09-14	0.19		
Fluoride		mg/L		2	1			0.2	0.2 - 0.2
RIVER WELL 01	VI 1643824-1	mg/L				2016-09-14	0.2		
Nitrate as N		mg/L		10	10			2.0	2.0 - 2.0
RIVER WELL 01	VI 1643824-1	mg/L				2016-09-14	2.0		
Nitrate + Nitrite as N		mg/L		10	10			2.0	2.0 - 2.0
RIVER WELL 01	VI 1643824-1	mg/L				2016-09-14	2.0		
Gross Alpha		pCi/L		15	(0)			4.02	4.02 - 4.02
RIVER WELL 01	VI 1841524-1	pCi/L				2018-03-31	4.02		

SECONDARY DRINKING WATER STANDARDS (SDWS)

		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Chloride		mg/L		500	n/a			38	38 - 38
RIVER WELL 01	VI 1643824-1	mg/L				2016-09-14	38		
Specific Conductance		umhos/cm		1600	n/a			499	499 - 499
RIVER WELL 01	VI 1643824-1	umhos/cm				2016-09-14	499		
Sulfate		mg/L		500	n/a			17.6	17.6 - 17.6
RIVER WELL 01	VI 1643824-1	mg/L				2016-09-14	17.6		
Total Dissolved Solids		mg/L		1000	n/a			300	300 - 300
RIVER WELL 01	VI 1643824-1	mg/L				2016-09-14	300		

UNREGULATED CONTAMINANTS

		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Vanadium		mg/L		NS	n/a			0.010	0.010 - 0.010
RIVER WELL 01	VI 1643824-1	mg/L				2016-09-14	0.010		

ADDITIONAL DETECTIONS

		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Calcium		mg/L			n/a			61	61 - 61
RIVER WELL 01	VI 1643824-1	mg/L				2016-09-14	61		
Magnesium		mg/L			n/a			9	9 - 9
RIVER WELL 01	VI 1643824-1	mg/L				2016-09-14	9		
pH		units			n/a			7.1	7.1 - 7.1
RIVER WELL 01	VI 1643824-1	units				2016-09-14	7.1		
Alkalinity		mg/L			n/a			170	170 - 170
RIVER WELL 01	VI 1643824-1	mg/L				2016-09-14	170		
Aggressiveness Index					n/a			11.5	11.5 - 11.5
RIVER WELL 01	VI 1643824-1					2016-09-14	11.5		
Langelier Index					n/a			-0.3	-0.3 - -0.3
RIVER WELL 01	VI 1643824-1					2016-09-14	-0.3		

Dixon Water Company
CCR Login Linkage - 2018

FGL Code	Lab ID	Date_Sampled	Method	Description	Property
40863 D Pressur	VI 1841737-1	2018-04-16	Coliform	40863 D Pressure Tanks	River Well
40863D SIERRA D	VI 1840159-1	2018-01-10	Coliform	40863-D Sierra Drive	Drinking Water Monitoring
	VI 1841697-1	2018-04-12	Coliform	40863D Sierra Drive Press. Tnk	Drinking Water Monitoring
APART 7	VI 1841698-1	2018-04-12	Coliform	Apartment #7	Drinking Water Monitoring
	VI 1842153-1	2018-05-09	Coliform	Apartment #7	Drinking Water Monitoring
	VI 1842698-1	2018-06-06	Coliform	Apartment #7	Apartment Well - Bacteriological
	VI 1843579-1	2018-07-19	Coliform	Apartment #7	Drinking Water Monitoring
	VI 1843998-1	2018-08-08	Coliform	Apartment #7	Drinking Water Monitoring
	VI 1844827-1	2018-09-12	Coliform	Apartment #7	Bacteriological Monitoring
	VI 1845373-1	2018-10-04	Coliform	Apartment #7	Drinking Water Monitoring
	VI 1846197-1	2018-11-15	Coliform	Apartment #7	Drinking Water Monitoring
	VI 1846562-1	2018-12-05	Coliform	Apartment #7	Drinking Water Monitoring
Apartment #7 HB	VI 1841802-3	2018-04-18	Coliform	Apartment #7 HB	The Village Apartments - New Well #1 Water Quality
Apartment 1	VI 1846961-5	2018-12-28	Metals, Total	Apartment 1	Lead & Copper Monitoring
	VI 1841802-5	2018-04-18	Coliform	Apartment 1 HB	The Village Apartments - New Well #1 Water Quality
Apartment 2	VI 1846961-4	2018-12-28	Metals, Total	Apartment 2	Lead & Copper Monitoring
Apartment 3	VI 1846961-3	2018-12-28	Metals, Total	Apartment 3	Lead & Copper Monitoring
Apartment 3 HB	VI 1841802-4	2018-04-18	Coliform	Apartment 3 HB	The Village Apartments - New Well #1 Water Quality
Apartment 7	VI 1846961-2	2018-12-28	Metals, Total	Apartment 7	Lead & Copper Monitoring
Apartment 8	VI 1846961-1	2018-12-28	Metals, Total	Apartment 8	Lead & Copper Monitoring
Apartment 8 HB	VI 1841802-2	2018-04-18	Coliform	Apartment 8 HB	The Village Apartments - New Well #1 Water Quality
Apt. #1	VI 1844895-5	2018-09-18	Metals, Total	Apt. #1	Pb & Cu Monitoring
Apt. #2	VI 1844895-4	2018-09-18	Metals, Total	Apt. #2	Pb & Cu Monitoring
Apt. #3	VI 1844895-3	2018-09-18	Metals, Total	Apt. #3	Pb & Cu Monitoring
Apt. #7	VI 1844895-2	2018-09-18	Metals, Total	Apt. #7	Pb & Cu Monitoring
Apt. #8	VI 1844895-1	2018-09-18	Metals, Total	Apt. #8	Pb & Cu Monitoring
Apt. 1 HB	VI 1841736-4	2018-04-16	Coliform	Apt. 1 HB	New Well Special
Apt. 3 HB	VI 1841736-3	2018-04-16	Coliform	Apt. 3 HB	New Well Special
Apt. 7 HB	VI 1841736-2	2018-04-16	Coliform	Apt. 7 HB	New Well Special
Apt. 8 HB	VI 1841736-5	2018-04-16	Coliform	Apt. 8 HB	New Well Special
N.E. Corner HB	VI 1841736-1	2018-04-16	Coliform	N.E. Corner HB	New Well Special
NW CORNER OF AP	VI 1841802-6	2018-04-18	Coliform	NW Corner of Apartments HB	The Village Apartments - New Well #1 Water Quality
Pressure Tank @	VI 1842699-1	2018-06-06	Coliform	Pressure Tank @ 40863D Sierra	River Well - Bacteriological
PRESTNK SHOP	VI 1840360-1	2018-01-24	Coliform	Pressure Tanks By Shop	Drinking Water Monitoring
	VI 1840585-1	2018-02-07	Coliform	Pressure Tanks By Shop	Drinking Water Monitoring
	VI 1841152-1	2018-03-14	Coliform	Pressure Tanks By Shop	Drinking Water Monitoring
	VI 1842152-1	2018-05-09	Coliform	Pressure Tanks By Shop	River Well Monitoring
WELL 01	VI 1643824-1	2016-09-14	General Mineral	RIVER WELL 01	Water Monitoring
	VI 1643824-1	2016-09-14	Metals, Total	RIVER WELL 01	Water Monitoring
	VI 1841524-1	2018-03-31	Radio Chemistry	RIVER WELL 01	Radio Monitoring