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 Water Board's website at http://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/CCR.shtml)

Water System Name: **NORTH TRAILS MUTUAL WATER CO**
Water System Number: **1907014**

The water system above hereby certifies that its Consumer Confidence Report was distributed on _____(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 _____
Signature _____
Title _____
Phone Number ( ) _____ Date _____

To summarize report delivery used and good-faith efforts taken, please complete the form 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:

_____

_____

_____ "Good faith" efforts were used to reach non-bill paying customers. Those efforts included the following methods:

_____ Posted the CCR on the internet at http:// _____

_____ Mailed the CCR to postal patrons within the service area (attach zip codes used)

_____ Advertised the availability of the CCR in news media (attach a 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 the newspaper and date published)

_____ Posted the CCR in public places (attach a list of locations)

_____ Delivery of multiple copies of CCR to single bill 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: http://_____

_____ *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.)

2019 Consumer Confidence Report

Water System Name: NORTH TRAILS MUTUAL WATER CO Report Date: May 2020

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, 2019.

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: According to SWRCB records, the Sources are Groundwater. The Assessments were done using the Default Groundwater System Method.

Your water comes from 3 source(s): Well 07, Well 08 and Well 09
and from 1 treated location(s): Tank

Opportunities for public participation in decisions that affect drinking water quality: Regularly-scheduled water board or city/county council meetings are held annually, fliers are sent out announcing the location, date, and time.

For more information about this report, or any questions relating to your drinking water, please call 661-268-8125 and ask for Mark Whatley.

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.

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)

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

NTU: Nephelometric Turbidity Units

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 Water Board) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. State Water 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, 7 and 8 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 Water 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	5/mo. (2019)	1	no more than 1 positive monthly sample	0	Naturally present in the environment.

Table 2 - SAMPLING RESULTS FOR SODIUM AND HARDNESS

Chemical or Constituent (and reporting units)	**Sample Date**	**Average Level Detected**	**Range of Detections**	**MCL**	**PHG (MCLG)**	**Typical Sources of Contaminant**
Sodium (mg/L)	(2018 - 2019)	78	54 - 101	none	none	Salt present in the water and is generally naturally occurring
Hardness (mg/L)	(2018 - 2019)	88.4	16.6 - 170	none	none	Sum of polyvalent cations present in the water, generally magnesium and calcium, and are usually naturally occurring

Table 3 - DETECTION OF CONTAMINANTS WITH A PRIMARY DRINKING WATER STANDARD

Chemical or Constituent (and reporting units)	**Sample Date**	**Average Level Detected**	**Range of Detections**	**MCL [MRDL]**	**PHG (MCLG) [MRDLG]**	**Typical Sources of Contaminant**
Arsenic (ug/L)	(2018 - 2019)	10	ND - 13	10	0.004	Erosion of natural deposits; runoff from orchards, glass and electronics production wastes
Fluoride (mg/L)	(2018 - 2019)	3.5	0.3 - 5.1	2	1	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories.

Nitrate as N (mg/L)	(2019)	1.9	ND - 5.0	10	10	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Nitrate + Nitrite as N (mg/L)	(2018 - 2019)	1.3	ND - 3.2	10	10	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Selenium (ug/L)	(2018 - 2019)	ND	ND - 8	50	30	Discharge from petroleum, glass, and metal refineries; erosion of natural deposits; discharge from mines and chemical manufacturers; runoff from livestock lots(feed additive)
Gross Alpha (pCi/L)	(2017 - 2019)	11	2.69 - 20.7	15	(0)	Erosion of natural deposits.
Uranium (pCi/L)	(2017 - 2019)	5.147	ND - 10.4	20	0.43	Erosion of natural deposits

Table 4 - TREATED DETECTION OF CONTAMINANTS WITH A PRIMARY DRINKING WATER STANDARD

Chemical or Constituent (and reporting units)	**Sample Date**	**Average Level Detected**	**Range of Detections**	**MCL [MRDL]**	**PHG (MCLG) [MRDLG]**	**Typical Sources of Contaminant**
Arsenic (ug/L)	(2018)	2	n/a	10	0.004	Erosion of natural deposits; runoff from orchards, glass and electronics production wastes
Fluoride (mg/L)	(2018)	0.5	n/a	2	1	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories.

Table 5 - DETECTION OF CONTAMINANTS WITH A SECONDARY DRINKING WATER STANDARD

Chemical or Constituent (and reporting units)	**Sample Date**	**Average Level Detected**	**Range of Detections**	**MCL**	**PHG (MCLG)**	**Typical Sources of Contaminant**
Chloride (mg/L)	(2018 - 2019)	53	32 - 68	500	n/a	Runoff/leaching from natural deposits; seawater influence
Specific Conductance (umhos/cm)	(2018 - 2019)	574	514 - 616	1600	n/a	Substances that form ions when in water; seawater influence
Sulfate (mg/L)	(2018 - 2019)	30.5	27.7 - 34.1	500	n/a	Runoff/leaching from natural deposits; industrial wastes
Total Dissolved Solids (mg/L)	(2018 - 2019)	310	240 - 370	1000	n/a	Runoff/leaching from natural deposits
Turbidity (NTU)	(2018 - 2019)	0.6	0.1 - 1.4	5	n/a	Soil runoff

Table 6 - DETECTION OF UNREGULATED CONTAMINANTS

Chemical or Constituent (and reporting units)	**Sample Date**	**Average Level Detected**	**Range of Detections**	**Notification Level**	**Typical Sources of Contaminant**
Boron (mg/L)	(2018 - 2019)	1.1	0.2 - 2.7	1	Boron exposures resulted in decreased fetal weight (developmental effects) in newborn rats.

Table 7 - ADDITIONAL DETECTIONS

Chemical or Constituent (and reporting units)	**Sample Date**	**Average Level Detected**	**Range of Detections**	**Notification Level**	**Typical Sources of Contaminant**
Calcium (mg/L)	(2018 - 2019)	23	5 - 45	n/a	n/a
Magnesium (mg/L)	(2018 - 2019)	7	1 - 14	n/a	n/a
pH (units)	(2018 - 2019)	8	7.4 - 8.7	n/a	n/a
Alkalinity (mg/L)	(2018 - 2019)	153	150 - 160	n/a	n/a
Aggressiveness Index	(2018 - 2019)	11.8	11.6 - 12.0	n/a	n/a
Langelier Index	(2018 - 2019)	0	-0.2 - 0.1	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. *North Trails Mutual Water Co.* 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

VIOLATION OF A MCL,MRDL,AL,TT, OR MONITORING AND REPORTING REQUIREMENT				
Violation	**Explanation**	**Duration**	**Actions Taken To Correct the Violation**	**Health Effects Language**
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.

Arsenic				Some people who drink water containing arsenic in excess of the MCL over many years could experience skin damage or problems with their circulatory system, and may have an increased risk of getting cancer.
Fluoride				Some people who drink water containing fluoride in excess of the federal MCL of 4 mg/L over many years may get bone disease, including pain and tenderness of the bones. Children who drink water containing fluoride in excess of the state MCL of 2 mg/L may get mottled teeth.
Gross Alpha				Certain minerals are radioactive and may emit a form of radiation known as alpha radiation. Some people who drink water containing alpha emitters in excess of the MCL over many years may have an increased risk of getting cancer.

About your Arsenic: The arsenic standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from 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.

2019 Consumer Confidence Report

Drinking Water Assessment Information

Assessment Information

A source water assessment was conducted for the WELL 06 and WELL 07 of the NORTH TRAILS MUTUAL WATER CO water system in April, 2002. A source water assessment was conducted for the WELL 08 of the NORTH TRAILS MUTUAL WATER CO water system in August, 2004. The source WELL 09 of the NORTH TRAILS MUTUAL WATER CO is located only 10 feet from WELL 06, therefore is subject to the same activities. The 11540 DURANGO LANE of the NORTH TRAILS MUTUAL WATER CO is a central meeting point of the water from each well therefore does not require an assessment.

Well 08 - is considered most vulnerable to the following activities not associated with any detected contaminants:
Grazing [> 5 large animals or equivalent per acre]
Septic systems - low density [<1/acre]

Well 09 - is considered most vulnerable to the following activities not associated with any detected contaminants:
Grazing [> 5 large animals or equivalent per acre]
Septic systems - low density [<1/acre]

Discussion of Vulnerability

WELLS 06, 07, 09: This water system draws from 4 - 5 wells and the water delivered from this system is know to have elevated nitrate levels - over half the MCL of 45 ppm. this water system is currently water from other wells to assure that the water it delivers is below the MCL. Los Angeles County Environmental Health currently oversees this system and conducts the required monitoring tests. Please note that although Well 06 is dry the Assessment info has been included in this report as a reference for Well 09, as WELL 09 is subject to the same Possible Contaminating Activity (PCE) as WELL 06 and uses the same source water assessment.

WELL 08: This water system draws from 2 wells. The water delivered is known to have elevated nitrate and uranium levels, over half of respective MCLs. In addition, three standby wells have high uranium ranging from 211 to 285 pCi/L. Los Angeles County Environmental Health currently oversees this water system and conducted the required monitoring. 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 WELL06/WELL09 and WELL07 assessment may be viewed at:
Los Angeles County Environmental Health
2525 Corporate Pl. Room 150
Monterey Park, CA 91754

A copy of the complete WELL 08 assessment may be viewed at:
Los Angeles County Environmental Health
5050 Commerce Drive
Baldwin Park, CA 91706-1423

You may request a summary of the complete WELL06/WELL09 and WELL07 assessments be sent to you by contacting:
Russ Johnson
Chief Environmental Health Specialist
(323) 881-4147
(323) 269-4327 (fax)

You may request a summary of the WELL 08 assessment be sent to you by contacting:
Patrick Nejadian
Chief, Environmental Health Specialist
(626)430-5380
(626)813-3016 (fax)
pnejadian@dhs.co.la.ca.us

North Trails Mutual Water Co.

Analytical Results By FGL - 2019

MICROBIOLOGICAL CONTAMINANTS									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Total Coliform Bacteria			0	5%	n/a			1	1 - 13.7
11710 Chisholm Ct.	SP 1910707-3					2019-08-14	Absent		
33244 Pewter Rd.	SP 1910707-4					2019-08-14	Absent		
33361 Pewter Rd	SP 1910707-5					2019-08-14	Absent		
33483 Domino Hill Road	SP 1910707-2					2019-08-14	Absent		
33483 Domino Hill Road	SP 1909434-2					2019-07-17	<1.0		
33483 Domino Hill Road	SP 1908091-2					2019-06-19	<1.0		
33483 Domino Hill Road	SP 1907829-2					2019-06-14	<1.0		
33495 Overland Trail	SP 1916897-1					2019-12-11	Absent		
33495 Overland Trail	SP 1915414-1					2019-11-13	Absent		
33495 Overland Trail	SP 1913715-1					2019-10-09	Absent		
33495 Overland Trail	SP 1912109-1					2019-09-11	Absent		
33495 Overland Trail	SP 1910707-1					2019-08-14	Absent		
33495 Overland Trail	SP 1909434-1					2019-07-17	<1.0		
33495 Overland Trail	SP 1908091-1					2019-06-19	13.7		
33495 Overland Trail	SP 1907829-1					2019-06-14	1		
33495 Overland Trail	SP 1907666-1					2019-06-12	Present		
33495 Overland Trail	SP 1906057-1					2019-05-08	Absent		
33495 Overland Trail	SP 1904794-1					2019-04-10	Absent		
33495 Overland Trail	SP 1903381-1					2019-03-13	Absent		
33495 Overland Trail	SP 1902056-1					2019-02-13	Absent		
33495 Overland Trail	SP 1900414-1					2019-01-09	Absent		
Tank	SP 1909434-3					2019-07-17	<1.0		
Tank	SP 1909434-3					2019-07-17	<1.0		
Tank	SP 1908091-3					2019-06-19	12.4		
Tank	SP 1908091-3					2019-06-19	12.4		
Tank	SP 1907829-3					2019-06-14	<1.0		
Tank	SP 1907829-3					2019-06-14	<1.0		

SAMPLING RESULTS FOR SODIUM AND HARDNESS									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Sodium		mg/L		none	none			78	54 - 101
Well 07	SP 1812176-1	mg/L				2018-09-12	101		
Well 08	SP 1907985-1	mg/L				2019-06-18	79		
Well 09	SP 1815722-1	mg/L				2018-11-28	54		
Hardness		mg/L		none	none			88.4	16.6 - 170
Well 07	SP 1812176-1	mg/L				2018-09-12	16.6		
Well 08	SP 1907985-1	mg/L				2019-06-18	78.7		
Well 09	SP 1815722-1	mg/L				2018-11-28	170		

PRIMARY DRINKING WATER STANDARDS (PDWS)									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Arsenic		ug/L		10	0.004			10	ND - 13
Well 07	SP 1916901-1	ug/L				2019-12-11	12		
Well 07	SP 1912110-1	ug/L				2019-09-11	13		
Well 07	SP 1907988-1	ug/L				2019-06-18	12		
Well 07	SP 1903379-1	ug/L				2019-03-13	12		
Well 08	SP 1907985-1	ug/L				2019-06-18	9		
Well 09	SP 1815722-1	ug/L				2018-11-28	ND		
Fluoride		mg/L		2	1			3.5	0.3 - 5.1
Well 07	SP 1916901-1	mg/L				2019-12-11	5.0		

Well 07	SP 1912110-1	mg/L				2019-09-11	5.0		
Well 07	SP 1907988-1	mg/L				2019-06-18	5.1		
Well 07	SP 1903379-1	mg/L				2019-03-13	4.8		
Well 08	SP 1907985-1	mg/L				2019-06-18	0.6		
Well 09	SP 1815722-1	mg/L				2018-11-28	0.3		
Nitrate as N		mg/L		10	10			1.9	ND - 5.0
Well 07	SP 1913714-1	mg/L				2019-10-09	0.4		
Well 07	SP 1912110-1	mg/L				2019-09-11	ND		
Well 07	SP 1909433-1	mg/L				2019-07-17	ND		
Well 07	SP 1900413-2	mg/L				2019-01-09	0.5		
Well 08	SP 1915416-1	mg/L				2019-11-13	3.7		
Well 08	SP 1907985-1	mg/L				2019-06-18	0.8		
Well 08	SP 1904793-1	mg/L				2019-04-10	0.9		
Well 08	SP 1900413-1	mg/L				2019-01-09	0.6		
Well 09	SP 1915415-1	mg/L				2019-11-13	3.5		
Well 09	SP 1913714-2	mg/L				2019-10-09	5.0		
Well 09	SP 1909433-2	mg/L				2019-07-17	3.4		
Well 09	SP 1904793-2	mg/L				2019-04-10	3.5		
Nitrate + Nitrite as N		mg/L		10	10			1.3	ND - 3.2
Well 07	SP 1812176-1	mg/L				2018-09-12	ND		
Well 08	SP 1907985-1	mg/L				2019-06-18	0.8		
Well 09	SP 1815722-1	mg/L				2018-11-28	3.2		
Selenium		ug/L	50	50	30			ND	ND - 8
Well 07	SP 1812176-1	ug/L				2018-09-12	ND		
Well 08	SP 1907985-1	ug/L				2019-06-18	8		
Well 09	SP 1815722-1	ug/L				2018-11-28	5		
Gross Alpha		pCi/L		15	(0)			11.40	2.69 - 20.7
Well 07	SP 1708964-1	pCi/L				2017-07-26	2.69		
Well 08	SP 1708964-2	pCi/L				2017-07-26	10.8		
Well 09	SP 1903380-1	pCi/L				2019-03-13	20.7		
Uranium		pCi/L		20	0.43			5.147	ND - 10.4
Well 07	SP 1708964-1	pCi/L				2017-07-26	ND		
Well 08	SP 1708964-2	pCi/L				2017-07-26	5.04		
Well 09	SP 1903380-1	pCi/L				2019-03-13	10.4		

TREATED PRIMARY DRINKING WATER STANDARDS (PDWS)

		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Arsenic		ug/L		10	0.004			2	2 - 2
Tank	SP 1809319-2	ug/L				2018-07-17	2		
Fluoride		mg/L		2	1			0.5	0.5 - 0.5
Tank	SP 1809319-2	mg/L				2018-07-17	0.5		

SECONDARY DRINKING WATER STANDARDS (SDWS)

		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Chloride		mg/L		500	n/a			53	32 - 68
Well 07	SP 1812176-1	mg/L				2018-09-12	32		
Well 08	SP 1907985-1	mg/L				2019-06-18	58		
Well 09	SP 1815722-1	mg/L				2018-11-28	68		
Specific Conductance		umhos/cm		1600	n/a			574	514 - 616
Well 07	SP 1812176-1	umhos/cm				2018-09-12	514		
Well 08	SP 1907985-1	umhos/cm				2019-06-18	592		
Well 09	SP 1815722-1	umhos/cm				2018-11-28	616		
Sulfate		mg/L		500	n/a			30.5	27.7 - 34.1
Well 07	SP 1812176-1	mg/L				2018-09-12	27.7		
Well 08	SP 1907985-1	mg/L				2019-06-18	34.1		
Well 09	SP 1815722-1	mg/L				2018-11-28	29.7		
Total Dissolved Solids		mg/L		1000	n/a			310	240 - 370
Well 07	SP 1812176-1	mg/L				2018-09-12	240		

Well 08	SP 1907985-1	mg/L				2019-06-18	320		
Well 09	SP 1815722-1	mg/L				2018-11-28	370		
Turbidity		NTU		5	n/a			0.6	0.1 - 1.4
Well 07	SP 1812176-1	NTU				2018-09-12	0.2		
Well 08	SP 1907985-1	NTU				2019-06-18	0.1		
Well 09	SP 1815722-1	NTU				2018-11-28	1.4		

UNREGULATED CONTAMINANTS

		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Boron		mg/L		NS	n/a			1.1	0.2 - 2.7
Well 07	SP 1812176-1	mg/L				2018-09-12	2.7		
Well 08	SP 1907985-1	mg/L				2019-06-18	0.4		
Well 09	SP 1815722-1	mg/L				2018-11-28	0.2		

ADDITIONAL DETECTIONS

		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Calcium		mg/L			n/a			23	5 - 45
Well 07	SP 1812176-1	mg/L				2018-09-12	5		
Well 08	SP 1907985-1	mg/L				2019-06-18	20		
Well 09	SP 1815722-1	mg/L				2018-11-28	45		
Magnesium		mg/L			n/a			7	1 - 14
Well 07	SP 1812176-1	mg/L				2018-09-12	1		
Well 08	SP 1907985-1	mg/L				2019-06-18	7		
Well 09	SP 1815722-1	mg/L				2018-11-28	14		
pH		units			n/a			8.0	7.4 - 8.7
Well 07	SP 1812176-1	units				2018-09-12	8.7		
Well 08	SP 1907985-1	units				2019-06-18	8.0		
Well 09	SP 1815722-1	units				2018-11-28	7.4		
Alkalinity		mg/L			n/a			153	150 - 160
Well 07	SP 1812176-1	mg/L				2018-09-12	150		
Well 08	SP 1907985-1	mg/L				2019-06-18	160		
Well 09	SP 1815722-1	mg/L				2018-11-28	150		
Aggressiveness Index					n/a			11.8	11.6 - 12.0
Well 07	SP 1812176-1					2018-09-12	12.0		
Well 08	SP 1907985-1					2019-06-18	11.9		
Well 09	SP 1815722-1					2018-11-28	11.6		
Langelier Index					n/a			-0.01	-0.2 - 0.1
Well 07	SP 1812176-1					2018-09-12	0.1		
Well 08	SP 1907985-1					2019-06-18	0.06		
Well 09	SP 1815722-1					2018-11-28	-0.2		

North Trails Mutual Water Co.

CCR Login Linkage - 2019

FGL Code	Lab ID	Date_Sampled	Method	Description	Property
CuPb-ss05	SP 1908078-5	2019-06-19	Metals, Total	11540 Durango Ln.	Cu & Pb Monitoring
CuPb-ss03	SP 1908078-3	2019-06-19	Metals, Total	11705 Laramie Wy.	Cu & Pb Monitoring
CuPb-ss01	SP 1908078-1	2019-06-19	Metals, Total	11710 Chisholm Ct.	Cu & Pb Monitoring
	SP 1910707-3	2019-08-14	Coliform	11710 Chisholm Ct.	Bacti Monitoring
CuPb-ss04	SP 1908078-4	2019-06-19	Metals, Total	11720 Laramie Wy.	Cu & Pb Monitoring
CuPb-ss02	SP 1908078-2	2019-06-19	Metals, Total	11735 Chisholm Ct.	Cu & Pb Monitoring
Bacti-Rout-ss02	SP 1910707-4	2019-08-14	Coliform	33244 Pewter Rd.	Bacti Monitoring
	SP 1910707-5	2019-08-14	Coliform	33361 Pewter Rd	Bacti Monitoring
Bacti-Rout-ss05	SP 1907829-2	2019-06-14	Coliform	33483 Domino Hill Road	Bacteriological Monitoring
	SP 1908091-2	2019-06-19	Coliform	33483 Domino Hill Road	Bacteriological Monitoring
	SP 1909434-2	2019-07-17	Coliform	33483 Domino Hill Road	Bacti Monitoring
	SP 1910707-2	2019-08-14	Coliform	33483 Domino Hill Road	Bacti Monitoring
Bacti-Rout-ss04	SP 1900414-1	2019-01-09	Coliform	33495 Overland Trail	Bacti Monitoring
	SP 1902056-1	2019-02-13	Coliform	33495 Overland Trail	Bacti Monitoring
	SP 1903381-1	2019-03-13	Coliform	33495 Overland Trail	Bacti Monitoring
	SP 1904794-1	2019-04-10	Coliform	33495 Overland Trail	Bacti Monitoring
	SP 1906057-1	2019-05-08	Coliform	33495 Overland Trail	Bacti Monitoring
	SP 1907666-1	2019-06-12	Coliform	33495 Overland Trail	Bacti Monitoring
	SP 1907829-1	2019-06-14	Coliform	33495 Overland Trail	Bacteriological Monitoring
	SP 1908091-1	2019-06-19	Coliform	33495 Overland Trail	Bacteriological Monitoring
	SP 1909434-1	2019-07-17	Coliform	33495 Overland Trail	Bacti Monitoring
	SP 1910707-1	2019-08-14	Coliform	33495 Overland Trail	Bacti Monitoring
	SP 1912109-1	2019-09-11	Coliform	33495 Overland Trail	Bacti Monitoring
	SP 1913715-1	2019-10-09	Coliform	33495 Overland Trail	Bacti Monitoring
	SP 1915414-1	2019-11-13	Coliform	33495 Overland Trail	Bacti Monitoring
	SP 1916897-1	2019-12-11	Coliform	33495 Overland Trail	Bacti Monitoring
NO3-ss02	SP 1809319-2	2018-07-17	Metals, Total	Tank	Special Arsenic & Fluoride
	SP 1809319-2	2018-07-17	Wet Chemistry	Tank	Special Arsenic & Fluoride
	SP 1907829-3	2019-06-14	Coliform	Tank	Monthly Nitrate Monitoring
	SP 1908091-3	2019-06-19	Coliform	Tank	Monthly Nitrate Monitoring
	SP 1909434-3	2019-07-17	Coliform	Tank	Bacti Monitoring
WELL 07	SP 1708964-1	2017-07-26	Radio Chemistry	Well 07	NORTH TRAILS MUTUAL WATER CO
	SP 1812176-1	2018-09-12	Wet Chemistry	Well 07	Water Quality - Well 7
	SP 1812176-1	2018-09-12	General Mineral	Well 07	Water Quality - Well 7
	SP 1812176-1	2018-09-12	Metals, Total	Well 07	Water Quality - Well 7
	SP 1900413-2	2019-01-09	Wet Chemistry	Well 07	Nitrate Monitoring
	SP 1903379-1	2019-03-13	Metals, Total	Well 07	Water Quality - Well 7
	SP 1903379-1	2019-03-13	Wet Chemistry	Well 07	Water Quality - Well 7
	SP 1907988-1	2019-06-18	Wet Chemistry	Well 07	Water Quality - Well 7
	SP 1907988-1	2019-06-18	Metals, Total	Well 07	Water Quality - Well 7
	SP 1909433-1	2019-07-17	Wet Chemistry	Well 07	Nitrate Monitoring
	SP 1912110-1	2019-09-11	Wet Chemistry	Well 07	Water Quality - Well 7
	SP 1912110-1	2019-09-11	Metals, Total	Well 07	Water Quality - Well 7
	SP 1913714-1	2019-10-09	Wet Chemistry	Well 07	Nitrate Monitoring
	SP 1916901-1	2019-12-11	Wet Chemistry	Well 07	Water Quality - Well 7
	SP 1916901-1	2019-12-11	Metals, Total	Well 07	Water Quality - Well 7
WELL 08	SP 1708964-2	2017-07-26	Radio Chemistry	Well 08	NORTH TRAILS MUTUAL WATER CO
	SP 1807934-1	2018-06-18		Well 08	Water Quality - Well 8
	SP 1900413-1	2019-01-09	Wet Chemistry	Well 08	Nitrate Monitoring
	SP 1904793-1	2019-04-10	Wet Chemistry	Well 08	Nitrate Monitoring
	SP 1907985-1	2019-06-18	General Mineral	Well 08	Water Quality - Well 8
	SP 1907985-1	2019-06-18	Metals, Total	Well 08	Water Quality - Well 8
	SP 1907985-1	2019-06-18	Wet Chemistry	Well 08	Water Quality - Well 8
	SP 1915416-1	2019-11-13	Wet Chemistry	Well 08	Water Quality - Well 8
WELL 09	SP 1815722-1	2018-11-28	Metals, Total	Well 09	Water Quality - Well 9

	SP 1815722-1	2018-11-28	Wet Chemistry	Well 09	Water Quality - Well 9
	SP 1815722-1	2018-11-28	General Mineral	Well 09	Water Quality - Well 9
	SP 1903380-1	2019-03-13	Radio Chemistry	Well 09	Radio Monitoring
	SP 1903380-1	2019-03-13	Metals, Total	Well 09	Radio Monitoring
	SP 1904793-2	2019-04-10	Wet Chemistry	Well 09	Nitrate Monitoring
	SP 1909433-2	2019-07-17	Wet Chemistry	Well 09	Nitrate Monitoring
	SP 1913714-2	2019-10-09	Wet Chemistry	Well 09	Nitrate Monitoring
	SP 1915415-1	2019-11-13	Wet Chemistry	Well 09	Water Quality - Well 9