



DISTRICT OF VANDERHOOF
2018 ANNUAL WATER REPORT

Date: January 21, 2019
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Subject: Annual Water Report - 2018

This report summarizes the water quality for the year ending December 31, 2018.

Except for the north side of the Nechako River, which is served by a private water purveyor and our rural outlying areas, the municipality has a comprehensive network of water mains to service our customers.

Population of Vanderhoof: 4,439 (2016 Census)
Service connections: Residential 760
Commercial 187
Total 947

Municipal Land Area: 54.83 Sq. km

The municipality obtains its water supply from two (2) deep artesian wells located at 249 Victoria Street East, immediately adjacent our Water Treatment Plant.

Following treatment, water is pumped through transmission mains to our two (2) water reservoir sites on Hunter Lane (116,148 imp gal) and Nechako Avenue (499,560 imp gal).

Maximum: Day **August 14, 2018**

Volume: **2984 Cubic Meters**

Minimum: Day **October 4, 2018**

Volume: **865 Cubic Meters**

Year End Volume Total: **491,050 Cubic Meters**

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Water Sample Summary	
Water Samples containing coliform	0 (0% of total)
Water Samples containing fecal coliform	0 (0% of total)
Water Samples containing E. coli	0 (0% of total)
Number of consecutive samples that contain total coliform	0 (0% of total)
Number samples that contain total coliform in last 30 days	0 (0% of total)

Type of Treatment: Chlorination (disinfection)

Green Sand Filter (manganese removal)

Number of Sample Sites: 8

Samples Collected in 2018: 108

Sample Frequency: Monthly

Turbidity Sample Frequency: Daily

The Drinking Water Protection Act requires mandatory training and certification of operators, permit conditions, and reporting of E. coli contamination; as well as an annual report on drinking water quality by water system operators.

Through our revised comprehensive "Five Year Capital Plan", the municipality has embarked on an aggressive capital improvement program to replace and/or upgrade existing watermains that have been in the ground for several years.

The following watermain improvement projects were completed in 2018,

1. Completion of the Hunter Lane Water Tower Reservoir.

Information about this and other water systems in the region can be found at the Northern Health Website www.healthspace.ca/nha.

2. Waterhouse Upgrade to help with condensation and corrosion of electronic components.