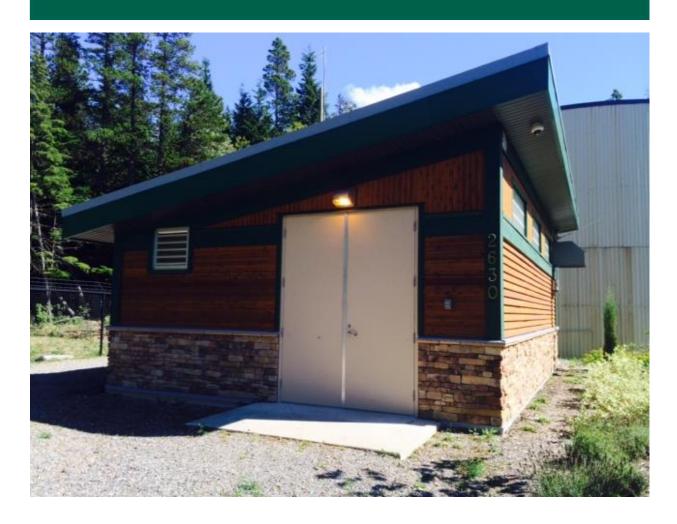
Thornhill Community Water System 2020 Annual Water Report





Updated May 10, 2021 File No. 5621 01

Table of Contents

1.0	INTRODUCTION	1
2.0	SYSTEM OVERVIEW	2
2.1	Wells and Intakes	2
2.2	Water Storage	3
2.3	Water Distribution	3
2.4	Water Treatment	3
3.0	MAINTENANCE & IMPROVEMENTS	4
3.1	System Improvements	4
3.2	System Flushing Schedule	4
3.3	System Repairs	4
4.0	WATER SYSTEM WORKS	5
4.1	Water Quality Inquiries and Complaints	5
4.2	Water Restrictions and High Consumption Events	5
4.3	Service Disruptions and Advisories	5
5.0	SYSTEM CLASSIFICATION	6
6.0	WATER QUALITY RESULTS	7
6.1	Bacteriological	7
6.2	Chemical	8
7.0	FUTURE INITIATIVES AND ISSUES	9
7.1	Proposed System Improvements	9
7.2	Source Protection	9
7.3	Emergency Response	9
7.4	Cross Connection Control	9
LIST	OF FIGURES	11
3.4	Figure 1: Thornhill Community Water System Map	13
LIST (OF APPENDICES	17
3.5	Appendix A: Water Well and Reservoir Details	19
3.6	Appendix B: Operator Certifications	23
3.7	Appendix C: Water Quality Results 2020	27
3.8	Appendix D: Thornhill Community Water System Emergency Response Plan	39

1.0 INTRODUCTION

The Regional District of Kitimat-Stikine prepares an Annual Report for each of its Community Water Systems which is submitted to Northern Health and made publicly available on the Regional District website, www.rdks.bc.ca.

The Thornhill Community Water System (CWS) annual water system report represents the 2020 calendar year. This report serves to provide an overview of water source, treatment, sampling results and current or future upgrades to the system.



2.0 SYSTEM OVERVIEW

The Thornhill CWS's drinking water system supply consists of four water wells: PW1, PW2, PW4 and the Woodlands System well located on Hemlock Street (Figure 1). PW1 and PW2 are the active supply wells; as of December 2020; PW4 had not been connected to the CWS and had been idle since its completion in October 2009. The Woodlands System well is a lag well used for emergency back-up purposes only. The CWS services 1,581 connections within the Thornhill community.

2.1 Wells and Intakes

PW1 is located at 3460 Edlund Avenue, Thornhill, BC having GPS coordinates of N 54°31′52.7″/W 128°30′39.5″. PW2 is located near the intersection of Walker Street and Edlund Avenue having GPS coordinates of N 54°31′52.8″/W 128°30′47.4″. PW4 is located at Haaland Avenue having GPS coordinates of N 54°31′54.1″/W 128°30′21.1″. The Woodlands System well is located on Hemlock Street having GPS coordinates of N 54°30′7.6″/W 128°31′21.7″. PW2 is located approximately 153 m west of PW1 and PW4 is located approximately 325 m east of PW1. The Woodlands System well is located approximately 3.4 km south of PW1, PW2 and PW4. PW1, PW2 and PW4 are situated approximately 260 m to 420 m south of the Skeena River. The Woodlands System well is situated approximately 2.4 km southeast of the Skeena River. Well details are provided in Appendix A.

The PW1, PW2 and PW4 well fields have ground elevations between 94 m and 97 m above sea level (ASL), higher than the 200-year flood elevation of 72 m ASL, indicating that all three wells would not be affected by a 200-year flood event. The Woodlands System well has a ground elevation of approximately 135 m ASL, higher than the 200-year flood elevation of 72 m ASL, indication that this well would not be affected by a 200-year flood event.

PW1 and PW2 are both situated within confined aquifers, while PW4 is located within an unconfined aquifer. PW4 is not currently connected to the community system, though will be connected should contamination or additional capacity be required. PW4 undergoes regular cleaning and maintenance to ensure it is available if and when required. There is a 203 mm diameter by 65 m deep former well: PW3, located approximately 62 m northwest of PW1; currently a dedicated groundwater monitoring well. A recently completed and updated Level 1 Groundwater at Risk of Containing Pathogens (GARP) assessment demonstrated that all of the Thornhill wells are not at risk of pathogens. The Woodlands System well is located within a deep confined aquifer. It is connected to the system, though is not regularly used and is kept as a back-up well for emergency use only.

PW1 is a 254 mm diameter drilled well which was significantly rehabilitated in 1995. PW1 is 57.90 m deep and was screened from 49.00 to 57.90 m with a 0.150" and a 0.100" slot sized screens. PW2 is a 254 mm diameter drilled well which was completed in 1981. PW2 is 53.03 m deep and was screened from 48.43 to 53.03 with a screen of unknown slot size. PW4 is a 152 mm diameter well which was completed in 2008. PW4



is 64.01 m deep and was screened from 60.35 to 64.01 m with a 0.150" slot size screen. The Woodlands System well is a 305 mm diameter well which was completed on an unknown date. The Woodlands System well is 322 m deep and the screened interval and slot size were unknown.

2.2 Water Storage

Water is stored within three reservoirs present within the Thornhill CWS. One reservoir is located on Thornhill Street, one on the hill along Old Lakelse Lake Drive and one on Clark Street at the Junior High School. Reservoir details are provided in Appendix A.

2.3 Water Distribution

Water is pumped via installed submersible pumps within the production wells (PW1 and PW2). From the wells, water is conveyed through the distribution system to the three reservoirs mentioned within section 2.2, for storage purposes. Water does not travel through any treatment facilities prior to entering the distribution system.

2.4 Water Treatment

The water does not undergo any form of treatment as it is of good quality, because it is sourced from deep groundwater aquifers.



3.0 MAINTENANCE & IMPROVEMENTS

3.1 System Improvements

Thorough revisions to the ERP have been undertaken and completed for release with this report.

3.2 System Flushing Schedule

The CWS was completely flushed from April 6th to 24th, 2020. The process took approximately two weeks to complete and included all piping and dead ends. Flushing notifications were posted in the newspaper two weeks in advance.

3.3 System Repairs

A header at Pumphouse 1 did not run for 3 days during an Arctic Outflow weather event due to waiting on parts for a repair. On January 16, 2020, the issue was remedied with the use of heat tape and additional heaters.

On January 20, 2020, a leak occurred at the booster station from a broken flange. A loss of 900 cubic meters of water inside the booster station damaged drywall in the ceiling and a power outage occurred at 4:30 a.m. on Saturday and Monday morning.

On June 11, 2020, we replaced the pump and motor in Pump House 2.

4.0 WATER SYSTEM WORKS

4.1 Water Quality Inquiries and Complaints

On August 10, 2020, a complaint was received from a Churchill Drive resident that she and her neighbors were experiencing a loss of water pressure. Flushing activities in Queensway during an unexpected high volume of water usage had created a vacuum in the Churchill/Pierson section requiring a recharge and flush to restore water pressure.

4.2 Water Restrictions and High Consumption Events

A water restriction was issued on June 11, 2020 due to an issue with the pump in Pumphouse 2. The restriction was rescinded on June 22, 2020, following the completion of repairs.

4.3 Service Disruptions and Advisories

Water Samples results received on December 14, 2020 showed concerning total coliform levels. As a precaution a Boil Water Advisory was issued while awaiting resampled results. Results received on the December 18, 2020 continued to show total coliform throughout the system. On December 23, 2020 and again on the December 31, 2020, additional sample results were received and were negative for total coliform. Following receipt of these results, Northern Health authorized the rescinding of the advisory on December 31, 2020.



5.0 SYSTEM CLASSIFICATION

The Thornhill Water System is a Class 1 facility.

Facility Number (EOCP): 600

Name: Thornhill Water Distribution System

City: Thornhill, BC

Facility Classification: WD-II

Classification Date: 2002-04-04

All RDKS Operators have an individual EOCP Membership Number.

The EOCP can be contacted directly for additional inquiries into individual members or facilities at:

EOCP

#201 3833 Henning Drive Burnaby, BC V5C 6N5

Phone: (604) 874-4784 · Toll Free: 1-866-552-3627

Fax: (604) 874-4794 · E-mail: eocp@eocp.ca

6.0 WATER QUALITY RESULTS

Water samples were collected and submitted for analysis weekly from 7 sampling locations within the Thornhill CWS. Those samples were analyzed for total coliforms, fecal coliforms and E. coli. Additionally, samples were collected four times from PW1, PW2, Main Reservoir, Woodlands Reservoir and School Reservoir, and analyzed for soluble nutrients including chloride, nitrate and nitrite, sulfate and ammonia (total as nitrogen). Once per year, additional parameters were analyzed as discussed further within Section 7.2. Water sampling results are available to the public via the online Public Health Protection database from Northern Health (www.healthspace.ca/nha), where historical data is available in a searchable format. Results for samples collected from Pumphouses #1 and #2 are provided in Appendix C.

6.1 Bacteriological

In 2020, water system operators, as part of regular duties, collected samples weekly from representative locations within the water system. In 2020, a total of 142 samples were collected and submitted to a certified laboratory for analysis of total coliforms, fecal coliforms and E. coli. The monitoring program indicated that there were six (6) positive samples collected over the 2020 period for total coliforms. No samples were positive for fecal coliforms or E. coli. Follow-up flushing of the system and water quality advisories related to these sample results are detailed in section 5.4. All 2020 samples met the bacteriological requirements of the Canadian Drinking Water Quality Guidelines.



6.2 Chemical

Addtionally, samples are collected two times per year and analyzed for chloride, nitrate and nitrite, sulfate and ammonia (total as nitrogen). These parameters indicate contamination from wastewater, fertilizer application, etc. and assist in the early detection of contamination within the wells. Once per year additional parameters are analyzed for. These parameters were as follows:

 pH Conductivity Alkalinity (total as CaCO₃) Turbidity Total Dissolved Solids True Colour Fluoride Chloride Nitrate, as Nitrogen (N) Nitrite, as N Nitrate+Nitrite, as N Ammonia, as N Hardness, as CaCO₃ 	 Sulfate as SO₄ Langelier Index Aluminum Antimony Arsenic Barium Baryllium Bismuth Boron Cadmium Calcium Chromium 	 Copper Cobalt Nickel Iron Lead Lithium Magnesium Manganese Mercury Molybdenum Phosphorus Potassium 	 Selenium Silicon Strontium Sulphur Tellurium Thallium Thorium Tin Titanium Uranium Vanadium Zinc
--	--	---	---

All metals were analyzed for in both dissolved and total concentrations. Results for samples collected from Pumphouses #1 and #2 are provided within Appendix C.

7.0 FUTURE INITIATIVES AND ISSUES

7.1 Proposed System Improvements

The RDKS does not have any current proposed system improvements for the Thornhill CWS however, a Cross Connection Control program is proposed and is discussed further within Section 7.4.

7.2 Source Protection

The RDKS retained Kala Geosciences Ltd. in 2007 to complete a wellhead protection plan for the Thornhill wellheads. This report determined wellhead protection areas surrounding each wellhead and implemented a plan to prevent contamination of the wells through the use of monitoring activities within the wellhead protection areas. Activities monitored include land use and zoning, spill and contingency planning, groundwater supply investigation, public education and the forming of a wellhead protection advisory committee. The protection plan included a presentation to the public which outlined where the protection area is and what its purpose was.

7.3 Emergency Response

An Emergency Response Plan (ERP) is currently in place for the Thornhill CWS and is provided within Appendix D. The ERP for the Thornhill CWS was created with the assistance of Kala Geosciences Ltd. and has been approved by the Northern Health Authority. The ERP includes Boil Water Notices procedures and signage to be used should a Boil Water Notice be required. The ERP (Appendix D) is in place and will be activated during high turbidity events within the CWS.

7.4 Cross Connection Control

The RDKS currently has no Cross-Connection Control in place, though there are currently plans to implement in the future. Currently all the documentation to implement a consultation program, with the intention of engaging the local commercial and residential users of the Thornhill CWS, is in place.

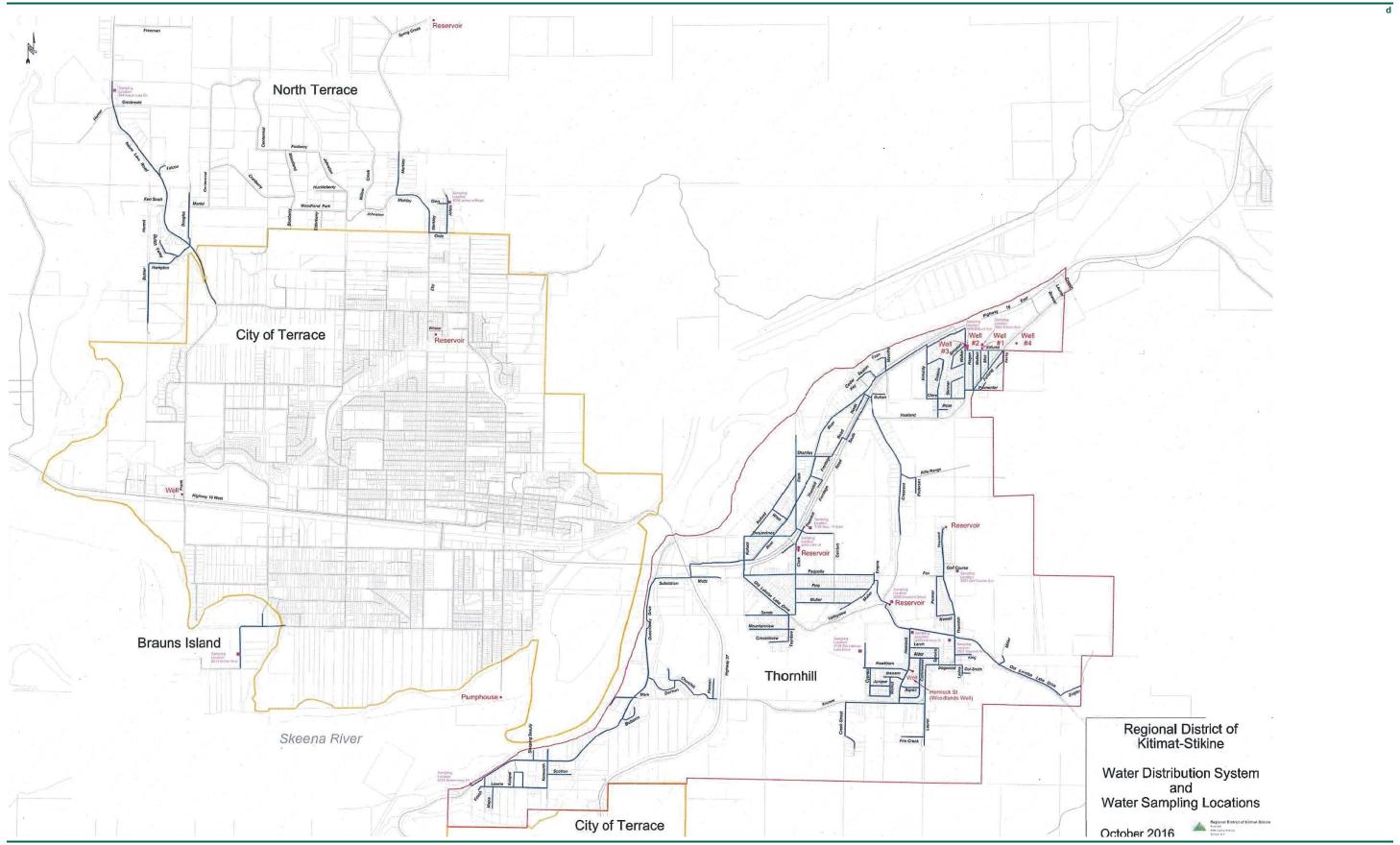
LIST OF FIGURES

Figure 1: Thornhill Community Water System Map



3.4 Figure 1: Thornhill Community Water System Map





LIST OF APPENDICES

Appendix A: Water Well and Reservoir Details

Appendix B: Operator Certifications

Appendix C: Water Quality Results 2020

Appendix D: Thornhill Community Water System Emergency Response Plan

3.5 Appendix A: Water Well and Reservoir Details



WELL NAME and (WELL ID PLATE #)	WELL PHYSICAL ADDRESS	STATUS (Primary source, emergency use only, not connected, etc.)	WELL DEPTH (Attach any well logs you may have. Name file as Well Log – and well name or ID)	Well Diameter (6/8")	Surface Water Influenced (YES/NO)	Date of Well Construction and source of information (well log/measurem ent/verbal/etc.)	Wellhead Protection Plan (YES/NO)	Water License Number (if applicable)	GPS Coordinates + Altitude
Well #1	Edlund Ave	Primary Source #1	190' (57.9 m)	10"	No	1979 (Kala report 95028)	Yes		54°31'52.7" N 128°30'39.5" W 95.1 m ASL
Well #2	Intersection of Edlund Ave and Walker Ave	Primary Source #2	174' (53.03 m)	10"	No	1981 (Kala report 06728)	Yes		54°31'52.8" N 128°30'47.4" W 97.1 m ASL
Well #4	Furlong Ave	Not Connected	211.5' (64.47 m)	16"	No with some uncertainties	2010 (Well log)	No		54°31'54.1" N 128°30'21.1" W 94.3 m ASL
Woodlands Well	Hemlock St	Emergency Use Only	1055 Feet	12"	No	Unknown	No		54°30'7.6" N 128°31'21.7" W 143.0 m ASL
Well #3	Simpson St	To be decommissioned (2021)					No		54°31'53.3" N 128°30'49.6" W 97.0 m ASL

STORAGE NAME	STORAGE PHYSICAL ADDRESS	VOLUME (Litres)	Turnover Time	Date of Construction	GPS Coordinates + Altitude Above Sea Level (ASL)
Thornhill Community Water	Crescent St and Old	2210m ³	Summer: 12 hours	November	54°30'29.26"N
System Reservoir	Lakelse Lake Dr. (corner)		Winter: 24 hours	1978	128°31'33.03"W
					138.40 m ASL
Thornhill Community Water	Clark St	565m ³	Used as a back-up fire protection only; recirculated once a	Circa 1972	54°30'48.75"N
System School Reservoir			week on Wednesdays from 80% to 63% and then refilled		128°32'19.57"W 81.23 m ASL
Thornhill – Woodlands	Thornhill St (end of road)	667m ³	Summer: 12 hours	Late 1960s	54°30'52.04"N
Water			Winter: 18 hours		128°31'0.85"W
					180.83 m ASL



3.6 Appendix B: Operator Certifications



OPERATOR CERTIFICATIONS THORNHILL COMMUNITY WATER SYSTEM

OPERATOR	CERTIFICAT	TION(S) & TRAINING
Chris Kerr	WD 2	Water Distribution Level 2
W&S Operations &	WWC 2	Wastewater Collection Level 2
Maintenance Foreman, RDKS	MWWT 1	Municipal Wastewater Treatment Level 1
Parrish Miller	WT-MU-1	Water Treatment Multi-Utilities Level 1
Utilities Operator III, RDKS	WD 2	Water Distribution Level 2
·	WWC 2	Wastewater Collection Level 2
	MWWT 2	Municipal Wastewater Treatment Level 2
	CH	Chlorine Handler
		Cross Connection Control Awareness
		Cross Connection Control Management
		UV Disinfection Training
Jason Lacroix	WD 2	Water Distribution Level 2
Utilities Operator II, RDKS	WWC 1	Wastewater Collection Level 1
		Small Water Systems – Operator (NHA)
Jobin Kunjumon		Diploma: Water & Wastewater Technology
Utilities Operator I, RDKS	MWWT 1	Municipal Wastewater Treatment Level 1
Marty Eisner		
Utilities Operator, RDKS		
David Scaife	_	
W&S Labourer, RDKS		

Thornhill Community Water System

3.7 Appendix C: Water Quality Results 2020





ANALYTICAL REPORT

Page 1 of 4

Regional District of Kitimat Stikine

300 - 4545 Lazelle Avenue Terrace, BC V8G 4E1

nveikle@rdks.bc.ca

Work Order: N21A010

RECEIVED: 05-Jan-2021

Project: Pumphouses

Project Number: -Project Manager: Nicki Veikle

REPORTED: 27-Jan-2021

All analyses were performed in accordance with standard procedures published by BC MoE, Health Canada, Environment Canada, the American Public Health Association, or the US EPA.

Northern Laboratories (2010) Ltd.

1 Mis

Jesse Newton

Laboratory Manager





ANALYTICAL REPORT

Page 2 of 4

Regional District of Kitima	ıt Stikin	e - Pumpho	uses			Work Order:	N21A010
LAB # SAMPLED DATE SAMPLED TIME SAMPLE ID	AADI	Units	CDWG	N21A010-01 05-Jan-21 11:45 Pumphouse #1	N21A010-02 05-Jan-21 12:00 Pumphouse #2		
	E0 1000	Ullis	CDWG				
General Parameters (Wat		3.1 31	70105				
pH		pH units	7.0-10.5	7.8	8.0		
Alkalinity (total, as CaCO3)		mg/L	-	68	94		
Conductivity		uS/cm	-	142	216		
Colour		PtCo units	AO <= 15	<1	1		
Turbidity		NTU	MAC = 1	0.12	0.12		
Solids, Total Dissolved / TDS		mg/L	AO <= 500	97	140		
Ammonia (total as N)	0.03	mg/L	=	0.03	0.03		
Calculated Parameters (\	Water)						
Nitrate (as N)	0.10	mg/L	MAC = 10	0.24			
Nitrate (as N)	2.0	mg/L	MAC = 10		2.2		
Hardness, Total (as CaCO3)	0.500	mg/L	-	55.1	82.3		
Anions (Water)							
Chloride	1.0	mg/L	AO <= 250	1.7	5.3		
Fluoride	0.05	mg/L	MAC = 1.5	0.10	0.10		
Nitrite (as N)	0.01	mg/L	MAC = 1	<0.01	<0.01		
Nitrate + Nitrite (as N)	0.10	mg/L	MAC = 10	0.24	2.2		
Sulfate	1.0	mg/L	AO <= 500	2.1	4.5		
Total Metals (Water)							
Aluminum, total	0.0050	ma/L	OG < 0.1	<0.0050	0.0060		
	0.00020		MAC = 0.006	<0.00020	<0.00020		
	0.00050	PARTICULAR PROPERTY AND ADDRESS OF THE PARTICULAR PROPERT	MAC = 0.01	<0.00050	0.00069		
Barium, total	0.0050		MAC = 1	0.0130	0.0276		
	0.00010			<0.00010	<0.00010		
	0.00010		-	<0.00010	<0.00010		
Boron, total	0.0500	1800	MAC = 5	<0.0500	<0.0500		
ACCOUNT OF THE PROPERTY OF THE	.000010		MAC = 0.005	<0.000010	<0.000010		
Calcium, total		mg/L	Sength 43.7 (1985)	19.2	28.4		
	0.00050		MAC = 0.05	<0.00050	<0.00050		
	0.00010		-	<0.00010	<0.00010		
	0.00040	30100 - 1000	AO = 1 MAC = 2	0.00184	0.00198		
Iron, total	0.010	mg/L	AO <= 0.3	<0.010	<0.010		

Northern Laboratories (2010) Ltd.

Address: 530 3rd Avenue West Prince Rupert, BC V8J 118
Phone: 250.627.1906 • Fax: 250.627.8214 • www.norlabsltd.com • info@norlabsltd.com

Work Order: N21A010





ANALYTICAL REPORT

Page 3 of 4

Regional District of Kitimat Stikine - Pumphouse	Regional	District o	f Kitimat Stikine	- Pumphouse
--	----------	------------	-------------------	-------------

LAB# SAMPLED DATE SAMPLED TIME SAMPLE ID	MRL	Units	CDWG	N21A010-01 05-Jan-21 11:45 Pumphouse #1	N21A010-02 05-Jan-21 12:00 Pumphouse #2
Total Metals (continu	od)		Subjects a children was a factorial.		
Lead, total	0.00020	ma/l	MAC = 0.005	<0.00020	0.00158
Lithium, total	0.00020		MAC = 0.003	0.00034	0.00138
Magnesium, total		mg/L	-	1.70	2.71
Manganese, total	0.00020		AO <= 0.02	0.00023	<0.00020
Manganese, Iolai	0.00020	mg/L	MAC = 0.12	0.00023	\0.00020
Mercury, total	0.000010	mg/L	MAC = 0.001	0.000025	<0.000010
Molybdenum, total	0.00010	mg/L	-	0.00120	0.00078
Nickel, total	0.00040	mg/L	-	<0.00040	<0.00040
Phosphorus, total	0.050	mg/L	*	<0.050	<0.050
Potassium, total	0.10	mg/L	-	0.34	0.62
Selenium, total	0.00050	mg/L	MAC = 0.05	<0.00050	<0.00050
Silicon, total	1.0	mg/L	==	6.2	6.6
Silver, total	0.000050	mg/L	*	<0.000050	<0.000050
Sodium, total	0.10	mg/L	AO <= 200	2.41	4.44
Strontium, total	0.0010	mg/L	MAC = 7	0.0735	0.106
Sulfur, total	3.0	mg/L	=	<3.0	<3.0
Tellurium, total	0.00050	mg/L	-	<0.00050	<0.00050
Thallium, total	0.000020	mg/L	-	<0.000020	<0.000020
Thorium, total	0.00010	mg/L	<u>0</u>	<0.00010	<0.00010
Tin, total	0.00020	mg/L	-	<0.00020	<0.00020
Titanium, total	0.0050	mg/L	-	<0.0050	<0.0050
Tungsten, total	0.0010	mg/L	-	<0.0010	<0.0010
Uranium, total	0.000020	mg/L	MAC = 0.02	0.000054	0.000267
Vanadium, total	0.0010	mg/L	₩.	<0.0010	<0.0010
Zinc, total	0.0040	mg/L	AO <= 5	0.0048	<0.0040

Northern Laboratories (2010) Ltd.
Address: 530 3rd Avenue West Prince Rupert, BC V8J 1L8
Phone: 250.627.1906 • Fax: 250.627.8214 • www.norlabsltd.com • info@norlabsltd.com

< 0.00010

< 0.00010

0.00010 mg/L

Zirconium, total

Work Order: N21A010





ANALYTICAL REPORT

Page 4 of 4

Regional District of Kitimat Stikine - Pumphouses

Glossary of Terms

MRL Method Reporting Limit

Less than the reported detection limit (RDL)

mg/L Milligrams per Litre

NTU Nephelometric Turbidity Units

pH units pH units

PtCo units Platinum Colbalt colour units uS/cm Micro Siemens per centimeter

Maximum Acceptable Concentration. Values above MAC are formatted with red text and solid outline.

Ao Aesthetic Objective (not health related). Values above AO are formatted with a dashed outline.

Operational guideline (for treated water)

Standards / Guidelines Referenced

CDWG Canadian Drinking Water Quality Guidelines (2019)

https://www.canada.ca/content/dam/hc-sc/migration/hc-sc/ewh-semt/alt_formats/pdf/pubs/water-

eau/sum_guide-res_recom/sum_guide-res_recom-eng.pdf





<u> </u>	Killii	iai-siikine						
Week #	Facility	Sampling Location	Description	Sample No.	Date of Collection	Total Coliform per 100mL	Total E. Coli per 100mL	Comments
18	TCWS	Thornhill WS	Main Reservoir	200414401	04-28-20	Less than 1	Less than 1	
18	TCWS	Thornhill WS	School Reservoir	200414402	04-28-20	Less than 1	Less than 1	
19	TCWS	Thornhill WS	PH2	200503701	05-05-20	Less than 1	Less than 1	
19	TCWS	Thornhill WS	Aerator Building	200503702	05-05-20	L1 B2	Less than 1	
20	TCWS	Thornhill WS	Cap-It	200503401	05-12-20	Less than 1	Less than 1	
20	TCWS	Thornhill WS	Lakelse Machine	200507402	05-12-20	Less than 1	Less than 1	
21	TCWS	Thornhill WS	PH1	200510101	05-19-20	Less than 1	Less than 1	
21	TCWS	Thornhill WS	Aerator Building	200510102	05-19-20	Less than 1	Less than 1	
22	TCWS	Thornhill WS	Roy Cage - 3584 Old Lakelse	200514401	05-26-20	Less than 1	Less than 1	
22	TCWS	Thornhill WS	Cap-It	200514402	05-26-20	Less than 1	Less than 1	
23	TCWS	Thornhill WS	Aerator Building	200602401	06-02-20	Less than 1	Less than 1	
23	TCWS	Thornhill WS	Main Reservoir	200602402	06-02-20	Less than 1	Less than 1	
24	TCWS	Thornhill WS	Roy Cage - 3584 Old Lakelse	200607101	06-09-20	Less than 1	Less than 1	
24	TCWS	Thornhill WS	Cap-It	200607102	06-09-20	Less than 1	Less than 1	
25	TCWS	Thornhill WS	PH2	200611901	06-17-20	L1 B15	Less than 1	Pump repair testing
25	TCWS	Thornhill WS	PH2	200613101	06-18-20	Less than 1	Less than 1	Pump repair testing
25	TCWS	Thornhill WS	PH2	200613601	06-19-20	Less than 1	Less than 1	Pump repair testing
26	TCWS	Thornhill WS	PH1	200615501	06-23-20	Less than 1	Less than 1	
26	TCWS	Thornhill WS	PH2	200615502	06-23-20	Less than 1	Less than 1	
26	TCWS	Thornhill WS	Main Reservoir	200615503	06-23-20	Less than 1	Less than 1	
26	TCWS	Thornhill WS	School Reservoir	200615504	06-23-20	Less than 1	Less than 1	
26	TCWS	Woodlands WS	Woodlands Reservoir	200615505	06-23-20	Less than 1	Less than 1	
26	TCWS	Thornhill WS	Skeena Concrete	200615506	06-23-20	Less than 1	Less than 1	
26	TCWS	Thornhill WS	Lakelse Machine	200615507	06-23-20	Less than 1	Less than 1	
27	TCWS	Thornhill WS	Roy Cage - 3584 Old Lakelse	n/a	06-30-20	n/a	n/a	Samples expired in transit, analysis cancelled
27	TCWS	Thornhill WS	Coast Mountain Wireless	n/a	06-30-20	n/a	n/a	Samples expired in transit, analysis cancelled
28	TCWS	Thornhill WS	Cap-It	200704401	07-07-20	Less than 1	Less than 1	
28	TCWS	Thornhill WS	Aerator Building	200704402	07-07-20	Less than 1	Less than 1	
29	TCWS	Thornhill WS	Skeena Concrete	200709001	07-14-20	Less than 1	Less than 1	
29	TCWS	Thornhill WS	Cap-It	200709002	07-14-20	L1 B1	Less than 1	
30	TCWS	Thornhill WS	Roy Cage - 3584 Old Lakelse	200713301	07-21-20	Less than 1	Less than 1	
30	TCWS	Thornhill WS	Lakelse Machine	200713302	07-21-20	L1 B4	Less than 1	
30	TCWS	Thornhill WS	Cap-It	200713303	07-21-20	L1 B2	Less than 1	
31	TCWS	Thornhill WS	Coast Mountain Wireless	200717001	07-27-20	L1 B1	Less than 1	additional sampling due to previous elevated results
31	TCWS	Thornhill WS	Skeena Concrete	200717002	07-27-20	Less than 1	Less than 1	additional sampling due to previous elevated results





	Killii	iai-siikine						
Week #	Facility	Sampling Location	Description	Sample No.	Date of Collection	Total Coliform per 100mL	Total E. Coli per 100mL	Comments
2	TCWS	Thornhill WS	Lakelse Machine	200102101	01-07-20 L	ess than 1	Less than 1	
2	TCWS	Thornhill WS	Skeena Concrete	200102102	01-07-20 L	ess than 1	Less than 1	
3		Thornhill WS	Roy Cage - 3584 Old Lakelse	200106001	01-14-20 L	ess than 1	Less than 1	
3		Thornhill WS	Coast Mountain Wireless	200106002			Less than 1	
4	TCWS	Thornhill WS	Aerator Building	200110401	01-21-20 l	ess than 1	Less than 1	
4		Woodlands WS	Thornhill Community Church	200110402	01-21-20 l	ess than 1	Less than 1	
5	Control of the Contro	Thornhill WS	Skeena Concrete	200114801	SALE AND STREET, SALES AND STREET, SALES	and the rest in the first and the second second second second	Less than 1	
5	TCWS	Thornhill WS	Cap-It	200114802	01-28-20 l	ess than 1	Less than 1	
6	TCWS	Thornhill WS	Roy Cage - 3584 Old Lakelse	200202501	02-04-20 l	ess than 1	Less than 1	
6		Thornhill WS	Lakelse Machine	200202502			Less than 1	
7		Woodlands WS		200206501	02-11-20 l	ess than 1	Less than 1	
7		Thornhill WS	Coast Mountain Wireless	200206502			Less than 1	
8		Thornhill WS	Aerator Building	200209401			Less than 1	
8		Thornhill WS	Skeena Concrete	200209402	ALEMON SANSASSE INSTELL SA	CONTROL OF THE PROPERTY OF THE	Less than 1	
9		Thornhill WS	Cap-It	200215501			Less than 1	
9	TCWS	Thornhill WS	Roy Cage - 3584 Old Lakelse	200215502	732,000 00 17,0130,000 17,	0001100000 0000000000000000000000000000	Less than 1	
10			Thornhill Community Church	200303301			Less than 1	
10	TCWS	Thornhill WS	Lakelse Machine	200303302			Less than 1	
11	TCWS	Thornhill WS	Coast Mountain Wireless	200308401	03-10-20 l	ess than 1	Less than 1	
11	TCWS	Thornhill WS	Skeena Concrete	200308402			Less than 1	
12	TCWS	Thornhill WS	Main Reservoir	200312501			Less than 1	
12	TCWS	Thornhill WS	Aerator Building	200312502	03-18-20 l	_ess than 1	Less than 1	
13		Thornhill WS	PH1	200316501			Less than 1	
13		Thornhill WS	PH2	200316502			Less than 1	
13		Thornhill WS	Cap-It	200316503			Less than 1	
13		Thornhill WS	Lakelse Machine	200316504			Less than 1	
13	TCWS	Thornhill WS	Aerator Building	200316505		AND DESCRIPTION OF THE PROPERTY OF THE PROPERT	Less than 1	
14	TCWS	Thornhill WS	Main Reservoir	200318401	Transmiss Control of the Control of		Less than 1	
14	TCWS	Thornhill WS	Aerator Building	200318402			Less than 1	
15	TCWS	Thornhill WS	ph1	200403001			Less than 1	
15		Thornhill WS	Aerator Building	200403002	04-07-20 l		Less than 1	
16	TCWS	Thornhill WS	PH2	200405001			Less than 1	
16		Thornhill WS	School Reservoir	200405002			Less than 1	
17	TCWS	Thornhill WS	Main Reservoir	200408501			Less than 1	
17	TCWS	Thornhill WS	Aerator Building	200408502	04-21-20 L	ess than 1	Less than 1	





Week # FacilitySampling LocationDescriptionSample No.Date of CollectionTotal Coliform per 100mLTotal E. Coli per 100mL43TCWSThornhill WSSkeena Concrete20101300510-20-20 Less than 1 Less than 1Less than 144TCWSThornhill WSSkeena Concrete20101751810-27-20 Less than 1 Less than 144TCWSThornhill WSAerator Building20101751910-27-20 Less than 1 Less than 145TCWSThornhill WSRoy Cage - 3584 Old Lakelse20110170411-03-20 Less than 1 Less than 145TCWSThornhill WSAerator Building20110770511-03-20 Less than 1 Less than 146TCWSThornhill WSAerator Building20110730111-10-20 L1 B1Less than 146TCWSThornhill WSLakelse Machine20110730211-10-20 Less than 1 Less than 147TCWSThornhill WSSkeena Concrete20110971111-17-20 L1 B1Less than 147TCWSThornhill WSCoast Mountain Wireless20110971211-17-20 Less than 1 Less than 148TCWSThornhill WSRoy Cage - 3584 Old Lakelse20111290111-24-20 Less than 1 Less than 148TCWSThornhill WSCoast Mountain Wireless20120150112-01-20 Less than 1 Less than 149TCWSThornhill WSCoast Mountain Wireless20120150212-01-20 Less than 1 Less than 149TCWSThornhill WSCap-It20120150212-01-20 Less than 1 Less than 1<	nts
44 TCWS Thornhill WS Skeena Concrete 201017518 10-27-20 Less than 1 Less than 1 44 TCWS Thornhill WS Aerator Building 201017519 10-27-20 Less than 1 Less than 1 45 TCWS Thornhill WS Roy Cage - 3584 Old Lakelse 201101705 11-03-20 Less than 1 Less than 1 45 TCWS Thornhill WS Cap-It 201107301 11-10-20 L1 B1 Less than 1 46 TCWS Thornhill WS Lakelse Machine 201107302 11-10-20 Less than 1 Less than 1 47 TCWS Thornhill WS Skeena Concrete 201109711 11-17-20 Less than 1 Less than 1 47 TCWS Thornhill WS Coast Mountain Wireless 201109712 11-17-20 Less than 1 Less than 1 48 TCWS Thornhill WS Aerator Building 201112901 11-24-20 Less than 1 Less than 1 49 TCWS Thornhill WS Coast Mountain Wireless 201201501 12-01-20 Less than 1 Less than 1 49 TCWS Thornhill WS Cap-It 201201502 12-01-20 Less than 1 Less than 1	
44 TCWS Thornhill WS Aerator Building 201017519 10-27-20 Less than 1 Less than 1 45 TCWS Thornhill WS Roy Cage - 3584 Old Lakelse 201101704 11-03-20 Less than 1 Less than 1 45 TCWS Thornhill WS Cap-It 201101705 11-03-20 Less than 1 Less than 1 46 TCWS Thornhill WS Aerator Building 201107301 11-10-20 L1 B1 Less than 1 46 TCWS Thornhill WS Skeena Concrete 201109711 11-17-20 Less than 1 Less than 1 47 TCWS Thornhill WS Coast Mountain Wireless 201109712 11-17-20 Less than 1 Less than 1 48 TCWS Thornhill WS Roy Cage - 3584 Old Lakelse 201112901 11-24-20 Less than 1 Less than 1 48 TCWS Thornhill WS Aerator Building 201112902 11-24-20 Less than 1 Less than 1 49 TCWS Thornhill WS Coast Mountain Wireless 201201501 12-01-20 Less than 1 Less than 1 49 TCWS Thornhill WS Cap-It	
45 TCWS Thornhill WS Roy Cage - 3584 Old Lakelse 201101704 11-03-20 Less than 1 Less than 1 45 TCWS Thornhill WS Cap-It 201101705 11-03-20 Less than 1 Less than 1 46 TCWS Thornhill WS Aerator Building 201107301 11-10-20 L1 B1 Less than 1 46 TCWS Thornhill WS Lakelse Machine 201109711 11-17-20 Less than 1 Less than 1 47 TCWS Thornhill WS Skeena Concrete 201109711 11-17-20 Less than 1 Less than 1 48 TCWS Thornhill WS Roy Cage - 3584 Old Lakelse 201112901 11-24-20 Less than 1 Less than 1 48 TCWS Thornhill WS Aerator Building 201112902 11-24-20 Less than 1 Less than 1 49 TCWS Thornhill WS Coast Mountain Wireless 201201501 12-01-20 Less than 1 Less than 1 49 TCWS Thornhill WS Cap-It 201201502 12-01-20 Less than 1 Less than 1 50 TCWS Thornhill WS Lakelse Machine 201205409 12-08-20 L1 B29 Less than 1 <	
45 TCWS Thornhill WS Cap-It 201101705 11-03-20 Less than 1 Less than 1 46 TCWS Thornhill WS Aerator Building 201107301 11-10-20 L1 B1 Less than 1 46 TCWS Thornhill WS Lakelse Machine 201109702 11-10-20 Less than 1 Less than 1 47 TCWS Thornhill WS Skeena Concrete 201109711 11-17-20 Less than 1 Less than 1 47 TCWS Thornhill WS Coast Mountain Wireless 201109712 11-17-20 Less than 1 Less than 1 48 TCWS Thornhill WS Roy Cage - 3584 Old Lakelse 201112901 11-24-20 Less than 1 Less than 1 48 TCWS Thornhill WS Aerator Building 201112902 11-24-20 Less than 1 Less than 1 49 TCWS Thornhill WS Cap-It 201201501 12-01-20 Less than 1 Less than 1 49 TCWS Thornhill WS Lakelse Machine 201205409 12-08-20 L1 B29 Less than 1	
46 TCWS Thornhill WS Aerator Building 201107301 11-10-20 L1 B1 Less than 1 46 TCWS Thornhill WS Lakelse Machine 201107302 11-10-20 Less than 1 Less than 1 47 TCWS Thornhill WS Skeena Concrete 201109711 11-17-20 L1 B1 Less than 1 47 TCWS Thornhill WS Coast Mountain Wireless 201109712 11-17-20 Less than 1 Less than 1 48 TCWS Thornhill WS Roy Cage - 3584 Old Lakelse 201112901 11-24-20 Less than 1 Less than 1 48 TCWS Thornhill WS Aerator Building 201112902 11-24-20 Less than 1 Less than 1 49 TCWS Thornhill WS Coast Mountain Wireless 201201501 12-01-20 Less than 1 Less than 1 49 TCWS Thornhill WS Cap-It 201201502 12-01-20 Less than 1 Less than 1 50 TCWS Thornhill WS Lakelse Machine 201205409 12-08-20 L1 B29 Less than 1	
46 TCWS Thornhill WS Lakelse Machine 201107302 11-10-20 Less than 1 Less than 1 47 TCWS Thornhill WS Skeena Concrete 201109711 11-17-20 L1 B1 Less than 1 47 TCWS Thornhill WS Coast Mountain Wireless 201109712 11-17-20 Less than 1 Less than 1 48 TCWS Thornhill WS Roy Cage - 3584 Old Lakelse 201112901 11-24-20 Less than 1 Less than 1 48 TCWS Thornhill WS Aerator Building 201112902 11-24-20 Less than 1 Less than 1 49 TCWS Thornhill WS Coast Mountain Wireless 201201501 12-01-20 Less than 1 Less than 1 49 TCWS Thornhill WS Cap-It 201201502 12-01-20 Less than 1 Less than 1 50 TCWS Thornhill WS Lakelse Machine 201205409 12-08-20 L1 B29 Less than 1	
47 TCWS Thornhill WS Skeena Concrete 201109711 11-17-20 L1 B1 Less than 1 47 TCWS Thornhill WS Coast Mountain Wireless 201109712 11-17-20 Less than 1 Less than 1 48 TCWS Thornhill WS Roy Cage - 3584 Old Lakelse 201112901 11-24-20 Less than 1 Less than 1 48 TCWS Thornhill WS Aerator Building 201112902 11-24-20 Less than 1 Less than 1 49 TCWS Thornhill WS Coast Mountain Wireless 201201501 12-01-20 Less than 1 Less than 1 49 TCWS Thornhill WS Cap-It 201201502 12-01-20 Less than 1 Less than 1 50 TCWS Thornhill WS Lakelse Machine 201205409 12-08-20 L1 B29 Less than 1	
47 TCWS Thornhill WS Coast Mountain Wireless 201109712 11-17-20 Less than 1 Less than 1 48 TCWS Thornhill WS Roy Cage - 3584 Old Lakelse 201112901 11-24-20 Less than 1 Less than 1 48 TCWS Thornhill WS Aerator Building 201112902 11-24-20 Less than 1 Less than 1 49 TCWS Thornhill WS Coast Mountain Wireless 201201501 12-01-20 Less than 1 Less than 1 49 TCWS Thornhill WS Cap-It 201201502 12-01-20 Less than 1 Less than 1 50 TCWS Thornhill WS Lakelse Machine 201205409 12-08-20 L1 B29 Less than 1	
48 TCWS Thornhill WS Roy Cage - 3584 Old Lakelse 201112901 11-24-20 Less than 1 Less than 1 48 TCWS Thornhill WS Aerator Building 201112902 11-24-20 Less than 1 Less than 1 49 TCWS Thornhill WS Coast Mountain Wireless 201201501 12-01-20 Less than 1 Less than 1 49 TCWS Thornhill WS Cap-It 201201502 12-01-20 Less than 1 Less than 1 50 TCWS Thornhill WS Lakelse Machine 201205409 12-08-20 L1 B29 Less than 1	
48 TCWS Thornhill WS Aerator Building 201112902 11-24-20 Less than 1 Less than 1 49 TCWS Thornhill WS Coast Mountain Wireless 201201501 12-01-20 Less than 1 Less than 1 49 TCWS Thornhill WS Cap-It 201201502 12-01-20 Less than 1 Less than 1 50 TCWS Thornhill WS Lakelse Machine 201205409 12-08-20 L1 B29 Less than 1	
49 TCWS Thornhill WS Coast Mountain Wireless 201201501 12-01-20 Less than 1 Less than 1 49 TCWS Thornhill WS Cap-It 201201502 12-01-20 Less than 1 Less than 1 Less than 1 50 TCWS Thornhill WS Lakelse Machine 201205409 12-08-20 L1 B29 Less than 1	
49 TCWS Thornhill WS Cap-It 201201502 12-01-20 Less than 1 Less than 1 50 TCWS Thornhill WS Lakelse Machine 201205409 12-08-20 L1 B29 Less than 1	
50 TCWS Thornhill WS Lakelse Machine 201205409 12-08-20 L1 B29 Less than 1	
50 TCWS Thornhill WS PH1 201205410 12-08-20 29 B55 Less than 1	
51 TCWS Thornhill WS PH1 201209307 12-14-20 10 B136 Less than 1	
51 TCWS Thornhill WS Lakelse Machine 201209308 12-14-20 L1 B27 Less than 1	
51 TCWS Thornhill WS PH1 201210407 12-15-20 G23 Less than 1	
51 TCWS Thornhill WS PH2 201210408 12-15-20 Less than 1 Less than 1	
51 TCWS Thornhill WS Main Reservoir 201210409 12-15-20 8 B17 Less than 1	
51 TCWS Thornhill WS Skeena Concrete 201210410 12-15-20 17 B18 Less than 1	
51 TCWS Thornhill WS Aerator Building 201210411 12-15-20 6 B19 Less than 1	
51 TCWS Woodlands WS Woodlands Reservoir 201210412 12-15-20 Less than 1 Less than 1	
51 TCWS Thornhill WS School Reservoir 201210413 12-15-20 L1 B2 Less than 1	
52 TCWS Thornhill WS Aerator Building 201212701 12-22-20 Less than 1 Less than 1	
52 TCWS Thornhill WS Main Reservoir 201212702 12-22-20 Less than 1 Less than 1	
52 TCWS Woodlands WS Woodlands Reservoir 201212703 12-22-20 Less than 1 Less than 1	
52 TCWS Thornhill WS Lakelse Machine 201212704 12-22-20 L1 B2 Less than 1	
52 TCWS Thornhill WS School Reservoir 201212705 12-22-20 Less than 1 Less than 1	
52 TCWS Thornhill WS PH2 201212706 12-22-20 Less than 1 Less than 1	
52 TCWS Thornhill WS PH1 201214001 12-29-20 L1 B105 Less than 1	
52 TCWS Thornhill WS PH2 201214002 12-29-20 Less than 1 Less than 1	
52 TCWS Thornhill WS Main Reservoir 201214003 12-29-20 Less than 1 Less than 1	
52 TCWS Woodlands WS Woodlands Reservoir 201214004 12-29-20 Less than 1 Less than 1	
52 TCWS Thornhill WS School Reservoir 201214005 12-29-20 Less than 1 Less than 1	



Regional District of Kitimat-Stikine

31 TCWS Thornhill WS Main Reservoir 200717005 07-27-20 Less than 1 additional campling due to previous elevated res 31 TCWS Thornhill WS School Reservoir 200717006 07-27-20 Less than 1 Less than 1 additional campling due to previous elevated res 31 TCWS Thornhill WS School Reservoir 200717006 07-27-20 Less than 1 Less than 1 additional campling due to previous elevated res 31 TCWS Thornhill WS PH 1 200717007 07-27-20 Less than 1 Less than 1 additional campling due to previous elevated res 32 TCWS Thornhill WS Aerator Building 200802601 08-04-20 Less than 1 Less than 1 additional campling due to previous elevated res 32 TCWS Thornhill WS Aerator Building 200802602 08-04-20 Less than 1 Less than 1 Aerator Building 200802602 08-04-20 Less than 1 Less than 1 Less than 1 Aerator Building 200802602 08-04-20 Less than 1 Less than 1 Aerator Building 200802602 08-04-20 Less than 1 Less than 1 Aerator Building 200802602 08-11-20 Less than 1 Less than 1 Aerator Building 200802602 08-11-20 Less than 1 Less than 1 Aerator Building 200802602 08-11-20 Less than 1 Less than 1 Aerator Building 200802602 08-11-20 Less than 1 Less than 1 Aerator Building 200802602 08-12-20 Less than 1 Less than 1 Aerator Building 200802602 08-12-20 Less than 1 Less than 1 Aerator Building 200802602 08-12-20 Less than 1 Less than 1 Aerator Building 200802602 08-12-20 Less than 1 Less than 1 Aerator Building 200802602 08-12-20 Less than 1 Less than 1 Aerator Building 200901705 09-01-20 Less than 1 Less than 1 200902602 200901706	Z	Killii	Killindi-Silkine							
1	Week #	Facility		Description	No.		Coliform		Comments	
31 TCWS Thornhill WS School Reservoir 200717005 07-27-20 Less than 1 Less than 1 additional sampling due to previous alwated res 31 TCWS Thornhill WS PH 200717007 07-27-20 Less than 1 Less than 1 additional sampling due to previous alwated res 31 TCWS Thornhill WS PH 200717007 07-27-20 Less than 1 Less than 1 additional sampling due to previous alwated res 31 TCWS Thornhill WS PH 200717007 07-27-20 Less than 1 Less than 1 additional sampling due to previous alwated res 32 TCWS Thornhill WS Aerator Building 200802601 08-04-20 Less than 1 Less	31	TCWS	Thornhill WS	Lakelse Machine	200717003	07-27-20	Less than 1	Less than 1	additional sampling due to previous elevated results	
31 TCWS Thornhill WS PH 1 200717007 07-27-20 Less than 1 Less than 1 additional sampling due to previous elevated residence 200717008 07-27-20 Less than 1 Less than 1 additional sampling due to previous elevated residence 200717008 07-27-20 Less than 1 Less than 1 additional sampling due to previous elevated residence 200717008 07-27-20 Less than 1 Less than 1 additional sampling due to previous elevated residence 200717008 07-27-20 Less than 1 Less than 1 additional sampling due to previous elevated residence 200717008 07-27-20 Less than 1 Less than 1 Less than 1 200717007 2	31	TCWS	Thornhill WS	Cap-It	200717004	07-27-20	Less than 1	Less than 1	additional sampling due to previous elevated results	
31 TCWS Thornhill WS PH 2 200717007 07-27-20 Less than 1 Less than 1 additional sampling due to previous elevested res	31		Thornhill WS	Main Reservoir	200717005	07-27-20	L1 B1	Less than 1	additional sampling due to previous elevated results	
31 TCWS Thornhill WS PH 2 200717008 07-27-20 Less than 1 Less than 1 200802 Less than 1 Less than 1 200902 Less than 1 Less than 1			Thornhill WS	School Reservoir	200717006				additional sampling due to previous elevated results	
32 TCWS Thornhill WS Skeena Concrete 200802601 08-04-20 L1 B1 Less than 1					200717007	07-27-20	Less than 1	Less than 1	additional sampling due to previous elevated results	
32 TCWS Thornhill WS Cap-It 200802602 08-04-20 Less than 1 Less than 1	-	TCWS	Thornhill WS	PH 2	200717008	07-27-20	Less than 1	Less than 1	additional sampling due to previous elevated results	
33 TCWS Thornhill WS Cap-It 200809801 08-11-20 Less than 1 Less than 1	the state of the s			Aerator Building	200802601	08-04-20	L1 B1	Less than 1		
33 TCWS Thornhill WS Roy Cage - 3584 Old Lakelse 200815402 08-11-20 Less than 1 Less than 1	100			Skeena Concrete		08-04-20	Less than 1	Less than 1		
34 TCWS Thornhill WS Roy Cage - 3584 Old Lakelse 200815401 08-18-20 Less than 1 Less than 1 34 TCWS Thornhill WS Lakelse Machine 200815402 08-18-20 Less than 1 Less than 1 35 TCWS Thornhill WS Skeena Concrete 200821602 08-25-20 Less than 1 Less than 1 36 TCWS Thornhill WS Aerator Building 200901705 09-01-20 Less than 1 Less than 1 36 TCWS Thornhill WS Aerator Building 200901706 09-01-20 Less than 1 Less than 1 37 TCWS Thornhill WS PH1 200906114 09-08-20 Less than 1 Less than 1 37 TCWS Thornhill WS Lakelse Machine 200911804 09-15-20 Less than 1 Less than 1 38 TCWS Thornhill WS Lakelse Machine 200911804 09-15-20 Less than 1 Less than 1 39 TCWS Thornhill WS Lakelse Machine 200911805 09-15-20 Less than 1 Less than 1 39 TCWS Thornhill WS	33	TCWS	Thornhill WS		200809801	08-11-20	Less than 1	Less than 1		
34 TCWS Thornhill WS Lakelse Machine 200815402 08-18-20 Less than 1 Less than 1 35 TCWS Thornhill WS Skeena Concrete 200821601 08-25-20 Less than 1 Less than 1 36 TCWS Thornhill WS Aerator Building 200901705 09-01-20 Less than 1 Less than 1 36 TCWS Thornhill WS Cap-lt 200901706 09-01-20 Less than 1 Less than 1 37 TCWS Thornhill WS PH1 200906113 09-08-20 Less than 1 Less than 1 37 TCWS Thornhill WS Main Reservoir 200906113 09-08-20 Less than 1 Less than 1 38 TCWS Thornhill WS Lakelse Machine 200911804 09-15-20 Less than 1 Less than 1 38 TCWS Thornhill WS Skeena Concrete 200911805 09-15-20 Less than 1 Less than 1 39 TCWS Thornhill WS Skeena Concrete 200918201 09-22-20 Less than 1 Less than 1 39 TCWS Thornhill WS Main Reservoir 200918203 09-22-20 Less than 1 Less than 1 39 TCWS										
35 TCWS Thornhill WS Skeena Concrete 200821601 08-25-20 Less than 1 Less than 1 Less than 1 35 TCWS Thornhill WS Coast Mountain Wireless 200821602 09-25-20 Less than 1 Less than 1 36 TCWS Thornhill WS Aerator Building 200901705 09-01-20 Less than 1 Less than 1 36 TCWS Thornhill WS Cap-It 200901706 09-01-20 Less than 1 Less than 1 37 TCWS Thornhill WS PH1 200906113 09-08-20 Less than 1 Less than 1 37 TCWS Thornhill WS Main Reservoir 200901814 09-08-20 Less than 1 Less than 1 38 TCWS Thornhill WS Lakelse Machine 200911804 09-15-20 Less than 1 Less than 1 39 TCWS Thornhill WS Skeena Concrete 2009118205 09-15-20 Less than 1 Less than 1 39 TCWS Thornhill WS PH2 200918201 09-22-20 Less than 1 Less than 1 39 TCWS Thornhill WS Main Reservoir 200918203 09-22-20 Less than 1 Less than 1 39				Roy Cage - 3584 Old Lakelse		08-18-20	Less than 1	Less than 1		
35 TCWS Thornhill WS Coast Mountain Wireless 200821602 08-25-20 Less than 1 Less than 1 36 TCWS Thornhill WS Aerator Building 200901705 09-01-20 Less than 1 Less than 1 36 TCWS Thornhill WS Cap-It 200901706 09-01-20 Less than 1 Less than 1 37 TCWS Thornhill WS PH1 200906113 09-08-20 Less than 1 Less than 1 38 TCWS Thornhill WS Main Reservoir 200911804 09-15-20 Less than 1 Less than 1 38 TCWS Thornhill WS Lakelse Machine 200911805 09-15-20 Less than 1 Less than 1 39 TCWS Thornhill WS PH1 200918201 09-22-20 Less than 1 Less than 1 39 TCWS Thornhill WS PH2 200918202 09-22-20 Less than 1 Less than 1 39 TCWS Woodlands WS Woodlands Reservoir 200918203 09-22-20 Less than 1 Less than 1 39 TCWS Thornhill WS School Reservoir 200918205 09-22-20 Less than 1 Less than 1 39 TCWS Tho						300000 10000 10 10000	ALL DESCRIPTION AS A SECOND PROPERTY OF THE PR			
36 TCWS Thornhill WS Aerator Building 200901705 09-01-20 Less than 1 Less than 1 36 TCWS Thornhill WS Cap-It 200901706 09-01-20 Less than 1 Less than 1 37 TCWS Thornhill WS Main Reservoir 200906114 09-08-20 Less than 1 Less than 1 38 TCWS Thornhill WS Lakelse Machine 200911804 09-15-20 Less than 1 Less than 1 38 TCWS Thornhill WS Skeena Concrete 200911805 09-15-20 Less than 1 Less than 1 39 TCWS Thornhill WS PH1 200918201 09-22-20 3 Less than 1 39 TCWS Thornhill WS PH2 200918201 09-22-20 Less than 1 Less than 1 39 TCWS Thornhill WS Main Reservoir 200918203 09-22-20 Less than 1 Less than 1 39 TCWS Thornhill WS School Reservoir 200918204 09-22-20 Less than 1 Less than 1 39 TCWS Thornhill WS Coast Mountain Wireless 200918206 09-22-20 Less than 1 Less than 1 40 TCWS				Skeena Concrete						
36 TCWS Thornhill WS Cap-It 200901706 09-01-20 Less than 1 Less than 1 Less than 1 37 TCWS Thornhill WS PH1 200906113 09-08-20 Less than 1 Less than 1 38 TCWS Thornhill WS Main Reservoir 200901140 09-15-20 Less than 1 Less than 1 38 TCWS Thornhill WS Lakelse Machine 200911804 09-15-20 Less than 1 Less than 1 39 TCWS Thornhill WS PH1 200918201 09-22-20 3 Less than 1 39 TCWS Thornhill WS PH2 200918202 09-22-20 Less than 1 Less than 1 39 TCWS Thornhill WS Main Reservoir 200918203 09-22-20 Less than 1 Less than 1 39 TCWS Thornhill WS Woodlands Reservoir 200918204 09-22-20 Less than 1 Less than 1 39 TCWS Thornhill WS Coast Mountain Wireless 200918205 09-22-20 Less than 1 Less than 1 39 TCWS Thornhill WS Acrator Building 200922401 09-29-20 Less than 1 Less than 1 40		Part Control Control	SERBERALDOS NESSE LIGADA LIGADA DE LA LIGADA DELIGIDA DE LA LIGADA DELIGIDA DE LA LIGADA DELIGIDA DE LA LIGADA DE LA LIGAD	Supplementary and the light of production and production of the contract of the light of the contract of the c	345774 X 53 4500 (160 - 150 A) (151 68) - 15					
37 TCWS Thornhill WS PH1 200906113 09-08-20 Less than 1 Less than 1 37 TCWS Thornhill WS Main Reservoir 200906114 09-08-20 Less than 1 Less than 1 38 TCWS Thornhill WS Lakelse Machine 200911804 09-15-20 Less than 1 Less than 1 39 TCWS Thornhill WS PH1 200918201 09-22-20 3 Less than 1 39 TCWS Thornhill WS PH2 200918201 09-22-20 Less than 1 Less than 1 39 TCWS Thornhill WS Main Reservoir 200918203 09-22-20 Less than 1 Less than 1 39 TCWS Thornhill WS School Reservoir 200918204 09-22-20 Less than 1 Less than 1 39 TCWS Thornhill WS Coast Mountain Wireless 200918205 09-22-20 Less than 1 Less than 1 40 TCWS Thornhill WS Aerator Building 200918206 09-22-20 Less than 1 Less than 1 40 TCWS Thornhill WS PH1 200922401 09-29-20 Less than 1 Less than 1 40 TCWS Thor				Aerator Building						
37 TCWS Thornhill WS Main Reservoir 200906114 09-08-20 Less than 1 Less than 1 38 TCWS Thornhill WS Lakelse Machine 200911804 09-15-20 Less than 1 Less than 1 38 TCWS Thornhill WS Skeena Concrete 200911805 09-15-20 Less than 1 Less than 1 39 TCWS Thornhill WS PH1 200918201 09-22-20 Less than 1 Less than 1 39 TCWS Thornhill WS PH2 200918202 09-22-20 Less than 1 Less than 1 39 TCWS Thornhill WS Main Reservoir 200918203 09-22-20 Less than 1 Less than 1 39 TCWS Thornhill WS School Reservoir 200918203 09-22-20 Less than 1 Less than 1 39 TCWS Thornhill WS School Reservoir 200918205 09-22-20 Less than 1 Less than 1 39 TCWS Thornhill WS Aerator Building 200918206 09-22-20 Less than 1 Less than 1 40 TCWS Thornhill WS Aerator Buil						09-01-20	Less than 1	Less than 1		
38 TCWS Thornhill WS Lakelse Machine 200911804 09-15-20 Less than 1 Less than 1 38 TCWS Thornhill WS Skeena Concrete 200911805 09-15-20 Less than 1 Less than 1 39 TCWS Thornhill WS PH1 200918201 09-22-20 3 Less than 1 39 TCWS Thornhill WS Main Reservoir 200918202 09-22-20 Less than 1 Less than 1 39 TCWS Woodlands WS Woodlands Reservoir 200918204 09-22-20 Less than 1 Less than 1 39 TCWS Thornhill WS School Reservoir 200918205 09-22-20 Less than 1 Less than 1 39 TCWS Thornhill WS Coast Mountain Wireless 200918206 09-22-20 Less than 1 Less than 1 40 TCWS Thornhill WS Aerator Building 200912401 09-29-20 Less than 1 Less than 1 40 TCWS Thornhill WS Repart of Building 200922402 09-29-20 Less than 1 Less than 1 40 TCWS Thornhill WS Skeena Concrete 200922403 09-29-20 Less than 1 Less than 1 41			SAN DESCRIPTION OF THE PROPERTY OF THE PROPERT	PH1						
38 TCWS Thornhill WS Skeena Concrete 200911805 09-15-20 Less than 1 Less than 1 39 TCWS Thornhill WS PH1 200918201 09-22-20 3 Less than 1 39 TCWS Thornhill WS Main Reservoir 200918202 09-22-20 Less than 1 Less than 1 39 TCWS Woodlands WS Woodlands Reservoir 200918204 09-22-20 Less than 1 Less than 1 39 TCWS Thornhill WS School Reservoir 200918205 09-22-20 Less than 1 Less than 1 40 TCWS Thornhill WS Coast Mountain Wireless 200918206 09-22-20 Less than 1 Less than 1 40 TCWS Thornhill WS Aerator Building 200912401 09-29-20 Less than 1 Less than 1 40 TCWS Thornhill WS Skeena Concrete 200922402 09-29-20 Less than 1 Less than 1 40 TCWS Thornhill WS Skeena Concrete 201003910 10-06-20 L1 B1 Less than 1 41 TCWS Thornhill WS Skeena Concrete 201007605 10-13-20 Less than 1 Less than 1		TCWS	Thornhill WS	Main Reservoir	200906114	09-08-20	Less than 1	Less than 1		
39 TCWS Thornhill WS PH1 200918201 09-22-20 3 Less than 1 39 TCWS Thornhill WS PH2 200918202 09-22-20 Less than 1 Less than 1 39 TCWS Thornhill WS Main Reservoir 200918203 09-22-20 Less than 1 Less than 1 39 TCWS Woodlands WS Woodlands Reservoir 200918204 09-22-20 Less than 1 Less than 1 39 TCWS Thornhill WS School Reservoir 200918205 09-22-20 Less than 1 Less than 1 40 TCWS Thornhill WS Aerator Building 200918206 09-22-20 Less than 1 Less than 1 40 TCWS Thornhill WS Aerator Building 200922401 09-29-20 Less than 1 Less than 1 40 TCWS Thornhill WS Skeena Concrete 200922402 09-29-20 Less than 1 Less than 1 41 TCWS Thornhill WS Roy Cage - 3584 Old Lakelse 201003910 10-06-20 Less than 1 Less than 1 42 TCWS Thornhill WS Skeen	38	TCWS	Thornhill WS	Lakelse Machine	200911804	09-15-20	Less than 1	Less than 1		
39 TCWS Thornhill WS PH2 200918202 09-22-20 Less than 1 Less than 1 39 TCWS Thornhill WS Main Reservoir 200918203 09-22-20 Less than 1 Less than 1 39 TCWS Woodlands WS Woodlands Reservoir 200918204 09-22-20 Less than 1 Less than 1 39 TCWS Thornhill WS School Reservoir 200918205 09-22-20 Less than 1 Less than 1 40 TCWS Thornhill WS Coast Mountain Wireless 200918206 09-22-20 Less than 1 Less than 1 40 TCWS Thornhill WS Aerator Building 200922401 09-29-20 Less than 1 Less than 1 40 TCWS Thornhill WS Skeena Concrete 200922402 09-29-20 Less than 1 Less than 1 40 TCWS Thornhill WS Roy Cage - 3584 Old Lakelse 201003910 10-06-20 Less than 1 Less than 1 41 TCWS Thornhill WS Skeena Concrete 201007605 10-13-20 Less than 1 Less than 1 42 TCWS Thornh	38		Thornhill WS	Skeena Concrete	200911805		Less than 1	Less than 1		
39 TCWS Thornhill WS Main Reservoir 200918203 09-22-20 Less than 1 Less than 1 39 TCWS Woodlands WS Woodlands Reservoir 200918204 09-22-20 Less than 1 Less than 1 39 TCWS Thornhill WS School Reservoir 200918205 09-22-20 Less than 1 Less than 1 40 TCWS Thornhill WS Aerator Building 200918206 09-22-20 Less than 1 Less than 1 40 TCWS Thornhill WS Aerator Building 200922401 09-29-20 Less than 1 Less than 1 40 TCWS Thornhill WS Skeena Concrete 200922402 09-29-20 Less than 1 Less than 1 40 TCWS Thornhill WS Skeena Concrete 201003910 10-06-20 Less than 1 Less than 1 41 TCWS Thornhill WS Lakelse Machine 201003911 10-06-20 Less than 1 Less than 1 42 TCWS Thornhill WS Skeena Concrete 201007605 10-13-20 Less than 1 Less than 1 42 TCWS Thornhill WS Roy Cage - 3584 Old Lakelse 201007606 10-13-20 Less than 1 Less than 1	39	TCWS	Thornhill WS	PH1	200918201	09-22-20	3	Less than 1		
39 TCWS Woodlands WS Woodlands Reservoir 200918204 09-22-20 Less than 1 Less than 1 39 TCWS Thornhill WS School Reservoir 200918205 09-22-20 Less than 1 Less than 1 39 TCWS Thornhill WS Coast Mountain Wireless 200918206 09-22-20 Less than 1 Less than 1 40 TCWS Thornhill WS Aerator Building 200922401 09-29-20 Less than 1 Less than 1 40 TCWS Thornhill WS PH1 200922402 09-29-20 Less than 1 Less than 1 40 TCWS Thornhill WS Skeena Concrete 200922403 09-29-20 Less than 1 Less than 1 41 TCWS Thornhill WS Roy Cage - 3584 Old Lakelse 201003910 10-06-20 L1 B1 Less than 1 41 TCWS Thornhill WS Skeena Concrete 201007605 10-13-20 Less than 1 Less than 1 42 TCWS Thornhill WS Cap-It 201007606 10-13-20 Less than 1 Less than 1 42 TCWS Thornhill WS Roy Cage - 3584 Old Lakelse 201007607 10-13-20 Less than 1 Less than 1 <th></th> <th></th> <th>Thornhill WS</th> <th>PH2</th> <th>200918202</th> <th>09-22-20</th> <th>Less than 1</th> <th>Less than 1</th> <th></th>			Thornhill WS	PH2	200918202	09-22-20	Less than 1	Less than 1		
39 TCWS Thornhill WS School Reservoir 200918205 09-22-20 Less than 1 Less than 1 39 TCWS Thornhill WS Coast Mountain Wireless 200918206 09-22-20 Less than 1 Less than 1 40 TCWS Thornhill WS Aerator Building 200922401 09-29-20 Less than 1 Less than 1 40 TCWS Thornhill WS Skeena Concrete 200922402 09-29-20 Less than 1 Less than 1 41 TCWS Thornhill WS Roy Cage - 3584 Old Lakelse 201003910 10-06-20 Less than 1 Less than 1 41 TCWS Thornhill WS Lakelse Machine 201003911 10-06-20 Less than 1 Less than 1 42 TCWS Thornhill WS Skeena Concrete 201007605 10-13-20 Less than 1 Less than 1 42 TCWS Thornhill WS Cap-It 201007606 10-13-20 Less than 1 Less than 1 42 TCWS Thornhill WS Roy Cage - 3584 Old Lakelse 201007607 10-13-20 Less than 1 Less than 1			Thornhill WS	Main Reservoir	200918203					
39 TCWS Thornhill WS Coast Mountain Wireless 200918206 09-22-20 Less than 1 Less than 1 40 TCWS Thornhill WS Aerator Building 200922401 09-29-20 Less than 1 Less than 1 40 TCWS Thornhill WS Skeena Concrete 200922402 09-29-20 Less than 1 Less than 1 41 TCWS Thornhill WS Roy Cage - 3584 Old Lakelse 201003910 10-06-20 Less than 1 Less than 1 41 TCWS Thornhill WS Lakelse Machine 201003911 10-06-20 Less than 1 Less than 1 42 TCWS Thornhill WS Skeena Concrete 201007605 10-13-20 Less than 1 Less than 1 42 TCWS Thornhill WS Cap-It 201007606 10-13-20 Less than 1 Less than 1 42 TCWS Thornhill WS Roy Cage - 3584 Old Lakelse 201007607 10-13-20 Less than 1 Less than 1	le-	CLICATAL GUILLIAN STRAIG	SATE TO THE CONTROL OF THE CONTROL O	Woodlands Reservoir		09-22-20	Less than 1	Less than 1		
40 TCWS Thornhill WS Aerator Building 200922401 09-29-20 Less than 1 Less than 1 40 TCWS Thornhill WS PH1 200922402 09-29-20 Less than 1 Less than 1 40 TCWS Thornhill WS Skeena Concrete 200922403 09-29-20 Less than 1 Less than 1 41 TCWS Thornhill WS Roy Cage - 3584 Old Lakelse 201003910 10-06-20 Less than 1 Less than 1 41 TCWS Thornhill WS Lakelse Machine 201003911 10-06-20 Less than 1 Less than 1 42 TCWS Thornhill WS Skeena Concrete 201007605 10-13-20 Less than 1 Less than 1 42 TCWS Thornhill WS Cap-It 201007606 10-13-20 Less than 1 Less than 1 42 TCWS Thornhill WS Roy Cage - 3584 Old Lakelse 201007607 10-13-20 Less than 1 Less than 1					200918205					
40 TCWS Thornhill WS PH1 200922402 09-29-20 Less than 1 Less than 1 40 TCWS Thornhill WS Skeena Concrete 200922403 09-29-20 Less than 1 Less than 1 41 TCWS Thornhill WS Roy Cage - 3584 Old Lakelse 201003910 10-06-20 L1 B1 Less than 1 41 TCWS Thornhill WS Lakelse Machine 201003911 10-06-20 Less than 1 Less than 1 42 TCWS Thornhill WS Skeena Concrete 201007605 10-13-20 Less than 1 Less than 1 42 TCWS Thornhill WS Roy Cage - 3584 Old Lakelse 201007607 10-13-20 Less than 1 Less than 1 42 TCWS Thornhill WS Roy Cage - 3584 Old Lakelse 201007607 10-13-20 Less than 1 Less than 1										
40 TCWS Thornhill WS Skeena Concrete 200922403 09-29-20 Less than 1 Less than 1 41 TCWS Thornhill WS Roy Cage - 3584 Old Lakelse 201003910 10-06-20 L1 B1 Less than 1 41 TCWS Thornhill WS Lakelse Machine 201003911 10-06-20 Less than 1 Less than 1 42 TCWS Thornhill WS Skeena Concrete 201007605 10-13-20 Less than 1 Less than 1 42 TCWS Thornhill WS Roy Cage - 3584 Old Lakelse 201007607 10-13-20 Less than 1 Less than 1 42 TCWS Thornhill WS Roy Cage - 3584 Old Lakelse 201007607 10-13-20 Less than 1 Less than 1	40				200922401	09-29-20	Less than 1	Less than 1		
41 TCWS Thornhill WS Roy Cage - 3584 Old Lakelse 201003910 10-06-20 L1 B1 Less than 1 41 TCWS Thornhill WS Lakelse Machine 201003911 10-06-20 Less than 1 Less than 1 42 TCWS Thornhill WS Skeena Concrete 201007605 10-13-20 Less than 1 Less than 1 42 TCWS Thornhill WS Cap-It 201007606 10-13-20 Less than 1 Less than 1 42 TCWS Thornhill WS Roy Cage - 3584 Old Lakelse 201007607 10-13-20 Less than 1 Less than 1	40			5. Dogg 6.						
41 TCWS Thornhill WS Lakelse Machine 201003911 10-06-20 Less than 1 Less than 1 42 TCWS Thornhill WS Skeena Concrete 201007605 10-13-20 Less than 1 Less than 1 42 TCWS Thornhill WS Cap-It 201007606 10-13-20 Less than 1 Less than 1 42 TCWS Thornhill WS Roy Cage - 3584 Old Lakelse 201007607 10-13-20 Less than 1 Less than 1						09-29-20	Less than 1	Less than 1		
42 TCWS Thornhill WS Skeena Concrete 201007605 10-13-20 Less than 1 Less than 1 42 TCWS Thornhill WS Cap-It 201007606 10-13-20 Less than 1 Less than 1 42 TCWS Thornhill WS Roy Cage - 3584 Old Lakelse 201007607 10-13-20 Less than 1 Less than 1	255100			Roy Cage - 3584 Old Lakelse	201003910	10011501 000000-0000-0000	W-C-12 10-10 M	-0.260000 60000000		
42 TCWS Thornhill WS Cap-It 201007606 10-13-20 Less than 1 Less than 1 42 TCWS Thornhill WS Roy Cage - 3584 Old Lakelse 201007607 10-13-20 Less than 1 Less than 1				N 10				110		
42 TCWS Thornhill WS Roy Cage - 3584 Old Lakelse 201007607 10-13-20 Less than 1 Less than 1	-			Skeena Concrete	201007605	10-13-20	Less than 1	Less than 1		
						10-13-20	Less than 1	Less than 1		
42 TCMS Thornbill MS Coast Mountain Mirelans 201013003 10 20 20 Less than 1 Less than 1						10-13-20	Less than 1	Less than 1		
45 1CVV3 THORITIIII VV3 Coast Wouldain VVIIeless 201013003 10-20-20 Less than 1 Less than 1	43	TCWS	Thornhill WS	Coast Mountain Wireless	201013003	10-20-20	Less than 1	Less than 1		





Weel	k# Facility	Sampling Location	Description	Sample No.	Date of Collection	Total Coliform per 100mL	Total E. Coli per 100mL	Comments
52	TCWS	Thornhill WS	Aerator Building	201214006	12-29-20	L1 B1	Less than 1	
52	TCWS	Thornhill WS	Lakelse Machine	201214007	12-29-20	Less than 1	Less than 1	

RESULT SUMMARY

Between January 1st and December 31st, 2020, **142** Drinking Water Samples were tested All **142** samples came back Less than 1 Total E. Coli per 100 ml, however, 6 samples failed to meet drinking water standards with 1 or greater Total Coliform per 100ml

Breakdown of Total Coliform per 100 ml:

Qty	Total Coliform per 100 ml		
117	Less than 1		
18	L1 with B1 or Greater		
6	1 or Greater		
1	G 23		
142			

Definitions/Codes:

L1: means less than 1 (<1) – essentially 0. Satisfactory

B# (number) or BG: means the number of non-coliform background bacteria colonies. High numbers (>200) may indicate deteriorating water quality G: means overgrowth of bacterial colonies; not possible to count coliform bacteria

3.8 Appendix D: Thornhill Community Water System Emergency Response Plan

The Thornhill Community Water System Emergency Response Plan will be provided as a Separate Document.