Aqua Diversities Inc.

Nelson, BC
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North Shore Water Utility Nelson Ltd. Monthly Report

To: Jennifer Beverly, Large Water Systems Environmental Health Officer, Interior Health Authority
From: AquaDiversities Waterworks Inc.
Date: April 15, 2026
Re: Monthly Report for North Shore Water Utility – **January 2026**

This document includes the following items as part of the monthly report for the North Shore Water Utility Nelson Ltd. (NSWU):

1.0 Daily Water Consumption
2.0 Microbiological Test Results
3.0 Operator Log Sheets and Water Quality Events
4.0 Major Operational Events
5.0 Records of Customer Feedback and Response

Submission of this report is to enhance communication with the local Environment Health Officer (EHO) and meet requirements for status compliance on the conditions summarized in the Operating Permit.

1.0 Daily Water Consumption

Total water consumption in January was 5,437 m^3; average daily consumption was 175.4m^3/day. The average flow was 7.308m^3/hr.

2.0 Microbiological Test Results

A sample from both ends of the distribution system is collected and submitted to an accredited laboratory for bimonthly microbiological testing.

All monthly testing results satisfy the Maximum Allowable Concentration (MAC) standard as set out by the Guidelines for Canadian Drinking Water Quality (GCDWQ).

See **Appendix A** for Laboratory Results

3.0 Operator Log Sheets and Water Quality Events

NSWU continues to be tested on an every-other-day schedule as specified by the EHO. The log sheets include comments on the source, treatment, and distribution system events. Log sheets also include information on the weather for the corresponding test date, which helps correlate weather events to turbidity levels.

Throughout the month of January, chlorine residuals were maintained above 0.2 mg/L across the distribution system.

A water quality advisory (WQA) was posted on December 11th 2025 due to turbidity (NTU) levels being above 1.0 for more than 48 hours. The WQA stayed in effect for the rest month. Turbidity levels fluctuated around the 1.0 level due to heavy rainfall and unseasonally warm temperatures. The EHO was consulted, customers were notified by email, text alerts, the website and sandwich boards were put out in the community.

To try and mitigate this the Sutherland intake was cleaned several times and the chlorination dosage rate was increased to ensure an appropriate residual at end of distribution system.

AquaDiversities rescinded the WQA in early January 2026. This came after several days of NTU readings below 1.0 and a passing micro bacterial sample. This was in alignment with the recommendations of the Environmental Health Officer.

See **Appendix B** for Operator Log Sheets.

4.0 Major Operational Events

The posting of the water quality advisory marks the only major operational event of the month.

5.0 Records of Customer Feedback and Response

There were no customer inquiries or feedback forms reported during the month of January.

Report Reviewed by:

Nicole Ward, BSc.P.Ag. Project Manager

Appendix A
Laboratory Results

PASSMORE LABORATORY LTD.

Report# 8925
Filename 260106AD.pdf

ANALYTICAL RESULTS

Sample ID 570 Johnstone Rd — Sample # 1
Date/Time Sampled 2026-01-06 12:15 PM Matrix TW — Temperature on Receipt 2 °C
Date/Time on Test 2026-01-06 4:50 PM

Analyses	Result	Units	RDL
Coliforms, Total	less than 1	CFU/100mL	1
Verified E.coli	less than 1	CFU/100mL	1

Sample ID Main Jet — Sample # 2
Date/Time Sampled 2026-01-06 12:20 PM Matrix TW — Temperature on Receipt 3 °C
Date/Time on Test 2026-01-06 4:55 PM

Analyses	Result	Units	RDL
Coliforms, Total	less than 1	CFU/100mL	1
Verified E.coli	less than 1	CFU/100mL	1

Glossary of Terms

Less than 1	Less than the Reportable Detection Limit, except under circumstances where the detection limit is higher due to interferences, insufficient sample volume, or dilutions.
APHA	American Public Health Association
CFU/100mL	Colony Forming Units per 100 milliliters
Matrix	SW = Surface water, TW =Treated water, DW= Distribution water, UGW = Untreated Ground water, RW = Raw water
RDL	Reportable Detection Limit

References

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PASSMORE LABORATORY LTD.

Report# 8972
Filename 260120AD.pdf

ANALYTICAL RESULTS

Sample ID	570 Johnstone Rd			Sample #	1
Date/Time Sampled	2026-01-20	10:30 AM	Matrix TW	Temperature on Receipt	7 °C
Date/Time on Test	2026-01-20	5:00 PM			

Analyses	Result	Units	RDL
Coliforms, Total	less than 1	CFU/100mL	1
Verified E.coli	less than 1	CFU/100mL	1

Sample ID	708 Hwy 3A Mainjet			Sample #	2
Date/Time Sampled	2026-01-20	10:30 AM	Matrix TW	Temperature on Receipt	9 °C
Date/Time on Test	2026-01-20	5:03 PM			

Analyses	Result	Units	RDL
Coliforms, Total	less than 1	CFU/100mL	1
Verified E.coli	less than 1	CFU/100mL	1

Glossary of Terms

Less than 1	Less than the Reportable Detection Limit, except under circumstances where the detection limit is higher due to interferences, insufficient sample volume, or dilutions.
APHA	American Public Health Association
CFU/100mL	Colony Forming Units per 100 milliliters
Matrix	SW = Surface water, TW =Treated water, DW= Distribution water, UGW = Untreated Ground water, RW = Raw water
RDL	Reportable Detect on Limit

References

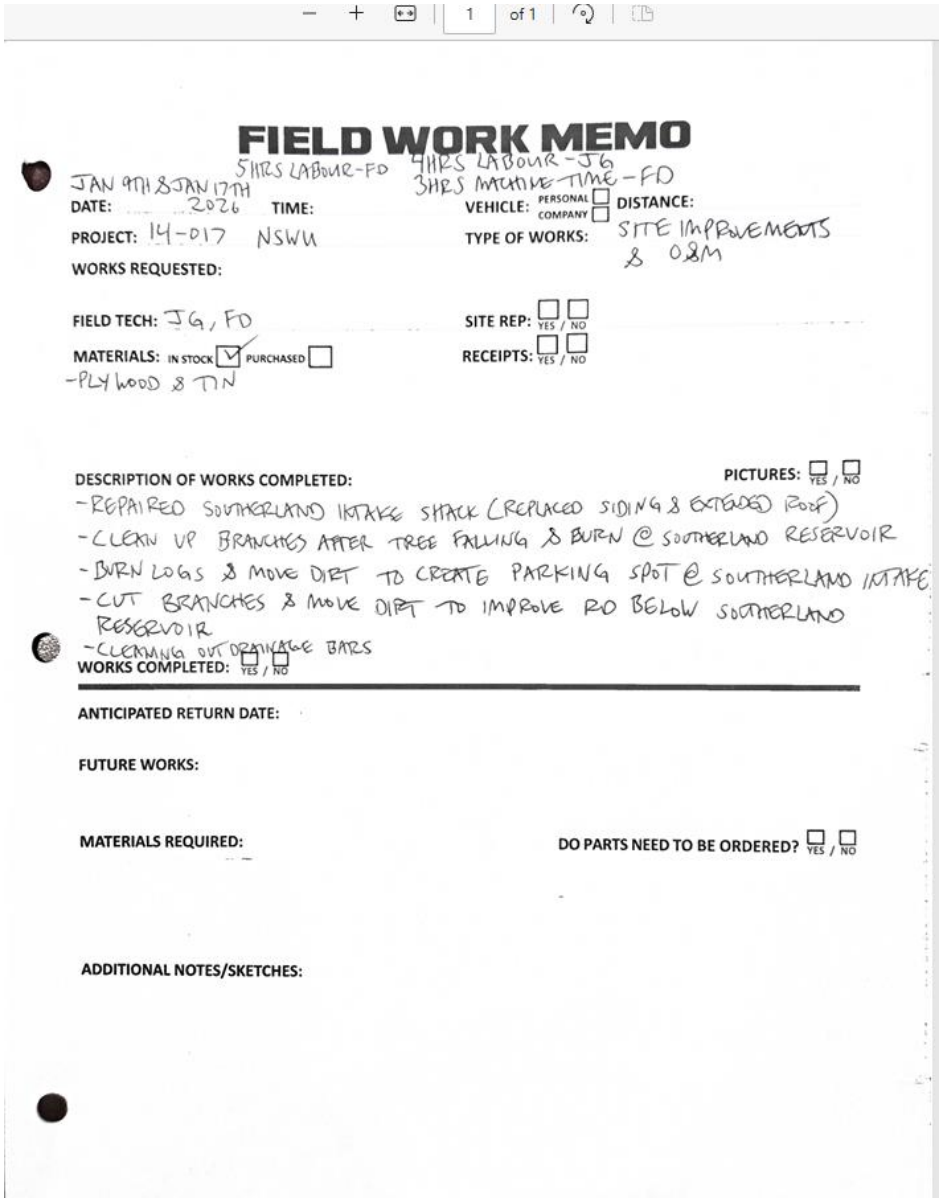
January 22, 2026

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Appendix B
Operator Log Sheet

Month:	Jan-26										
						Mainlet	570 Johnstone Rd				
Date	Time	CL2 pump duration	CL2 pump frequency	Treated Water Turbidity (Res.)	CL2 Residual (Res.)	CL2 Residual (Dist.)	CL2 Residual (Dist.)	Meter reading reading from HMI	Comments	Weather	
MM/DD/YYYY	24:00:00			Isaac Cr. NTU	Isaac Cr. mg/L	mg/L	Isaac		Microbiological Sample Taken/Filter Change/Etc.	Precip./Temp.	Sampled By
1/1/2026								161719.00			
1/2/2026	8:00	19.00	20.00	0.99	0.79	0.81	0.62	-	538 Johnstone not 570	-	TW
1/3/2026	8:00	19.00	20.00	0.85	0.9	-	-	-	From HMI	-	JG
1/4/2026											
1/5/2026											
1/6/2026	13:06	19.00	20.00	0.71	0.71	0.84	0.91	162762.00	Isaac Intake clean and CL2 top up.	snowing heavily	JG/FD
1/7/2026											
1/8/2026	10:17	19.00	20.00	0.65	0.61	0.5	1.09	163079.00	WQA lifted	overcast	JG
1/9/2026											
1/10/2026	8:00	19.00	20.00	0.62	0.73	-	-	-	Reported from HMI		JG
1/11/2026											
1/12/2026											
1/13/2026	12:00	19.00	20.00	1.58	0.8	0.83	0.86	163947		Rain, 5C	TW/FD
1/14/2026											
1/15/2026	12:00	19.00	20.00	0.9	0.89	0.57	0.73	164286.00		Sunny 3C	TW
1/16/2026											
1/17/2026	8:00	19	20	0.88	1.23						TW
1/18/2026											
1/19/2026									Topped up CL2		FD
1/20/2026	1:30	19	20	0.87	0.61	1.13	1.21	165168	MB samples submitted, confirmed analyzer reading co	-1 cloudy	TW/FD
1/21/2026											
1/22/2026	12:30	19	20	0.81	0.73	0.96	1.06	165497		4 cloudy	TW
1/23/2026											
1/24/2026											
1/25/2026											
1/26/2026											
1/27/2026	12:30	18	20	0.63	0.69	1.21	1.27	166355	Issac check in and turned down cl2 run time to 18.	-1 cloudy	TW
1/28/2026											
1/29/2026	12:00	18	20	0.55	0.63	1.04	1.14	166694		1C raining	TW
1/30/2026											
1/31/2026	11:00	13	20	1	0.64	0.71	0.54	177808	microbac samples submitted	7c sunny	
Reading of flow meter for Sunny Side trailer court (to be recorded once a month)							Jan 30th 224795gallons				

Appendix C
Field Memos



FIELD WORK MEMO

DATE: JAN 9TH & JAN 17TH 2026 TIME: 5HRS LABOUR-FD 4HRS LABOUR-JG 3HRS MACHINE TIME-FD

VEHICLE: PERSONAL ☐ COMPANY ☐ DISTANCE:

PROJECT: 14-017 NSWU TYPE OF WORKS: SITE IMPROVEMENTS & O&M

WORKS REQUESTED:

FIELD TECH: JG, FD SITE REP: ☐ YES / ☐ NO

MATERIALS: IN STOCK ☑ PURCHASED ☐ RECEIPTS: ☐ YES / ☐ NO

-PLYWOOD & TIN

DESCRIPTION OF WORKS COMPLETED: PICTURES: ☐ YES / ☐ NO

- REPAIRED SOUTHERLAND INTAKE SHACK (REPLACED SIDING & EXTENDED ROOF)
- CLEAN UP BRANCHES AFTER TREE FALLING & BURN @ SOUTHERLAND RESERVOIR
- BURN LOGS & MOVE DIRT TO CREATE PARKING SPOT @ SOUTHERLAND INTAKE
- CUT BRANCHES & MOVE DIRT TO IMPROVE RD BELOW SOUTHERLAND RESERVOIR
- CLEANING OUT DRAINAGE BARS

WORKS COMPLETED: ☐ YES / ☐ NO

ANTICIPATED RETURN DATE:

FUTURE WORKS:

MATERIALS REQUIRED: DO PARTS NEED TO BE ORDERED? ☐ YES / ☐ NO

ADDITIONAL NOTES/SKETCHES: