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: July 29th, 2026
Re: Monthly Report for North Shore Water Utility – **June 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 June was 7,690 m^3; average daily consumption was 256 m^3/day. The average flow was 10.68 m^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 June, chlorine residuals were maintained above 0.2 mg/L across the distribution system.

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

4.0 Major Operational Events

- Trees surrounding the Isaac reservoir were removed before becoming hazardous to the reservoir.
- The Isaac reservoir was cleaned and shocked.
- Sutherland reservoir brought on-line.
- Curb-stops were installed at 625 Parkview Road and 679 B Stromme Lane.

See **Appendix C** for field work memos.

5.0 Records of Customer Feedback and Response

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

Report Reviewed by:

Nicole Ward, BSc.P.Ag. Project Manager

Appendix A
Laboratory Results

PASSMORE LABORATORY LTD.

Report# 9436
Filename 260609AD.pdf

ANALYTICAL RESULTS

Sample ID Mainjet Motorsports — Sample # 1
Date/Time Sampled 2026-06-09 11:00 AM Matrix TW — Temperature on Receipt 11 °C
Date/Time on Test 2026-06-09 4:55 PM

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

Sample ID 570 Johnstone Rd — Sample # 2
Date/Time Sampled 2026-06-09 11:00 AM Matrix TW — Temperature on Receipt 11 °C
Date/Time on Test 2026-06-09 5:02 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 *May differ if less than 100ml is used.

References

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PASSMORE LABORATORY LTD.

Report# 9487
Filename 260623AD.pdf

ANALYTICAL RESULTS

Sample ID Main Jet — Sample # 1
Date/Time Sampled 2026-06-23 11:00 AM Matrix TW — Temperature on Receipt 10 °C
Date/Time on Test 2026-06-23 4:30 PM

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

Sample ID NCCS 570 Johnstone Rd. — Sample # 2
Date/Time Sampled 2026-06-23 11:00 AM Matrix TW — Temperature on Receipt 10 °C
Date/Time on Test 2026-06-23 4:35 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 *May differ if less than 100ml is used.

References

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Appendix B
Operator Log Sheet

Month:	June						Sunnyside trailerpark flow meter:			277,148				
Date	Time	CL2 pump duration	CL2 pump frequency	Treated Water Turbidity (Res.)	CL2 Residual (Res.)	Cl2 Pump Setting	Water Turbidity (Res.)	CL2 Residual (Res.)	MainJet CL2 Residual (Dist.)	570 Johnstone Rd CL2 Residual (Dist.)	Flow meter reading from HMI	Comments	Weather	
MM/DD/YYYY	24:00:00	Isaac Cr	Isaac Cr	Isaac Cr. NTU	Isaac Cr. mg/L	Sutherland Cr.(1-10)	Sutherland Cr. NTU	Sutherland Cr. mg/L	mg/L	mg/L		Microbiological Sample Taken/Filter Change/Etc.	Precip./Temp.	Initial
6/1/2026												put Southerland reservoir online		
6/2/2026	11:00	11	20	0.7	0.9		-	-	0.58	0.48	191190			
6/3/2026														
6/4/2026												topped up CL2 at Isaac		FD
6/5/2026	11:00	12	20	0.75	0.94	6	0.9	0.39	0.98	0.56	-	batch dosed 450ml CL2 @ southerland		OAD
6/6/2026	8:00	12	20	0.7	0.74	6.5	0.55	1.3	-	-	191831		13C cloud	OAD
6/7/2026														
6/8/2026														
6/9/2026	12:00	12	20	0.66	0.86	6.5	-	0.75	0.68	0.6	192597	Cleaned and shocked Isaac reservoir, MicroBac samples submitted	10C rain	OAD/TW/FD
6/10/2026														TW
6/11/2026														
6/12/2026	11:00	12	20	0.6	0.78	6.5	0.72	0.68	0.74	0.75	193065		13C sun	FD
6/13/2026														
6/14/2026														
6/15/2026														
6/16/2026	11;00	12	20	0.6	0.78	6.5	0.9	0.67	1.03	0.63	194002		24C sunny	TW
6/17/2026														
6/18/2026	11:00	12	20	0.59	0.75	6.5	0.84	0.57	0.9	0.7	194443		17C sunny	TW
6/19/2026														
6/20/2026														
6/21/2026														
6/22/2026														
6/23/2026	11:00	12	20	0.53	0.98	6.5	0.78	0.85	0.98	0.99	195664	Topped up CL2, Microbac	20C sun	TW/FD
6/24/2026														
6/25/2026	12:00	12	20	0.53	0.92	6.5	0.8	0.77	1.04	0.8	196177		20C Rain	TW
6/26/2026														
6/27/2026														
6/28/2026														
6/29/2026														
6/30/2026	11:30	12	20	0.54	0.82	6.5	-	0.57	0.9	0.4	197388	light rain all day, NTU meter wasn't working		

Appendix C
Field Memos

FIELD WORK MEMO

DATE: JUNE 8TH 2026 TIME: OAD-3HRS FD-4HRS VEHICLE: PERSONAL ☐ COMPANY ☐ DISTANCE:

PROJECT: NSWU ~~[redacted]~~ 14-017 TYPE OF WORKS: O&M

WORKS REQUESTED:

FIELD TECH: OAD & FD SITE REP: ☐ YES / ☐ NO

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

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

- CUTTING DOWN & CLEANING UP 4+ TREES BEFORE THEY BECOME A HAZARD TO THE ISAAC RESERVOIR BUILDING

WORKS COMPLETED: ☐ YES / ☐ NO

ANTICIPATED RETURN DATE:

FUTURE WORKS:
RESERVOIR CLEANING TOMORROW

MATERIALS REQUIRED:

DO PARTS NEED TO BE ORDERED? ☐ YES / ☐ NO

ADDITIONAL NOTES/SKETCHES:

FIELD WORK MEMO

DATE: JUNE 9TH TIME: OAD 8HRS FD 8HRS TW 3.5 VEHICLE: PERSONAL ☐ COMPANY ☐ DISTANCE:

PROJECT: 14-017 NSWU TYPE OF WORKS: O&M RESERVOIR CLEAN ISAAC

WORKS REQUESTED:

FIELD TECH: OAD, TW & FD SITE REP: ☐ YES / ☐ NO

MATERIALS: IN STOCK ☐ PURCHASED ☐ RECEIPTS: ☐ YES / ☐ NO
-SEE PROCEDURE

DESCRIPTION OF WORKS COMPLETED: PICTURES: ☑ YES / ☐ NO
CLEANED & SHOCKED RESERVOIR → SEE PROCEDURE

WORKS COMPLETED: ☑ YES / ☐ NO

ANTICIPATED RETURN DATE:

FUTURE WORKS:

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

ADDITIONAL NOTES/SKETCHES:

FIELD WORK MEMO

DATE: JUNE 12TH 2026 TIME: 1HR VEHICLE: PERSONAL ☐ COMPANY ☐ DISTANCE:

PROJECT: NSWU 570 NCCS TYPE OF WORKS: LINE LOCATE

WORKS REQUESTED: LOCATE WATER SERVICE BRANCH

FIELD TECH: FO SITE REP: ☐ YES / ☐ NO ADAM T

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

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

-USED RIDGID RADAR TO LOCATE SERVICE BRANCH FOR SCHOOL
-SPRAY PAINT GROUND

WORKS COMPLETED: ☐ YES / ☐ NO

ANTICIPATED RETURN DATE:

FUTURE WORKS:

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

ADDITIONAL NOTES/SKETCHES:

FIELD WORK MEMO

DATE: JUNE 16TH-18TH 2026 TIME: 2HRS OAD 12HRS FD

VEHICLE: PERSONAL ☐ COMPANY ☐ DISTANCE:

PROJECT: 14-017 NSWU TYPE OF WORKS: PLUMBING

WORKS REQUESTED:

FIELD TECH: FD & OAD SITE REP: ☐ YES / ☐ NO

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

- 1X 3/4" FIP X FIP CURBSTOP
- 2X 3/4" BARB X MIP
- 2 X 12" ROD
- 2 X 2-3FT SERVICE BOX

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

- INSTALLED CURBSTOP @ 625 PARKVIEW
- INSTALLED CURBSTOP @ 679B STROMME
- HAND DUG & BACKFILLED BOTH

WORKS COMPLETED: ☐ YES / ☐ NO

ANTICIPATED RETURN DATE:

FUTURE WORKS:

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

ADDITIONAL NOTES/SKETCHES: