

Source Water Quality for Public Water Supplies in Newfoundland and Labrador - Additional Parameters

Community Name	Serviced Area	Source Name	Sample Date	Strontium	Nitrate	Nitrite	TOC
				Units	mg/L	mg/L	mg/L
Guidelines for Canadian Drinking Water Quality				7	10	1	
Appleton	Appleton (+Glenwood)	Gander Lake (The Outflow)	Aug 30, 2023	0.01	0.10	LTD	6.90
Barachois Brook	Barachois Brook	Drilled	Aug 17, 2023	0.12	LTD	LTD	LTD
Bay St. George South	Heatherton	#1 Well Heatherton (Home Hardware)	Aug 18, 2023	2.00	LTD	LTD	1.50
Bay St. George South	Jeffrey's	#1 Well Jeffery's (Joe Curnew)	Aug 18, 2023	0.74	LTD	LTD	0.60
Bay St. George South	Robinson's	#1 Well Robinson's (Louie MacDonald)	Aug 18, 2023	0.21	2.60	LTD	0.55
Bay St. George South	St. Fintan's, St. David's	#1 Well St. Fintan's (The Y)	Aug 18, 2023	0.35	0.06	0.01	LTD
Bay St. George South	Jeffrey's	#2 Well Jeffery's (Calvin Madore)	Aug 18, 2023	1.30	0.06	0.01	0.83
Bay St. George South	St. Fintan's	#2 Well St. Fintan's (Louis King)	Aug 18, 2023	0.26	1.70	LTD	0.83
Bay St. George South	McKay's	#2B Lions Club Well	Aug 18, 2023	0.84	0.05	LTD	0.80
Bay St. George South	Highlands	#3 Brian Pumphrey Well Highlands	Aug 18, 2023	5.20	LTD	LTD	LTD
Bay St. George South	Jeffrey's	#3 Well Jeffery's (Sid Shears)	Aug 18, 2023	3.10	0.06	LTD	1.70
Bay St. George South	Robinson's	#3 Well Robinson's (Gales)	Aug 18, 2023	0.40	LTD	LTD	LTD
Bay St. George South	McKay's	#3 Woodworth Well McKay's	Aug 18, 2023	0.26	0.07	LTD	1.10
Bay St. George South	Lock Leven	#6 Well Loch Leven (Jerry Quilty)	Aug 18, 2023	0.16	0.35	LTD	LTD
Bay St. George South	McKay's	#7 Well McKay's (Gordon Hulan)	Aug 18, 2023	0.47	LTD	LTD	2.20
Bear Cove	Bear Cove	Lower Bear Cove	Aug 20, 2023	0.04	LTD	LTD	4.70
Bear Cove	Bear Cove	Upper Bear Cove	Aug 20, 2023	0.13	LTD	LTD	2.50
Benoit's Siding	Doyles	# 2 Well Doyles	Aug 19, 2023	1.80	0.06	LTD	LTD
Benoit's Siding	Benoit's Siding (aka Bennett's Siding)	Drilled	Aug 19, 2023	0.85	0.71	LTD	LTD
Black Duck	Black Duck (Siding)	#1 Well	Aug 14, 2023	0.10	0.26	LTD	LTD
Black Duck	Black Duck (Siding)	#2 Well	Aug 14, 2023	0.09	0.14	LTD	LTD
Brigus	Brigus (+Cupids, +South River)	Brigus Long Pond (to Brigus)	Sep 28, 2023	0.01	0.05	LTD	5.40
Cartwright	Cartwright	Burdett's Pond	Aug 14, 2023	0.01	LTD	LTD	8.70
Cartwright	Cartwright - PWDU	Burdett's Pond	Aug 14, 2023	0.01	LTD	LTD	8.70
Clarenville	Clarenville, Shoal Harbour	Shoal Harbour River	Sep 28, 2023	0.01	LTD	LTD	8.00
Cox's Cove	Upper Area	Upper Area Wellfield	Aug 14, 2023	0.39	0.08	0.02	LTD
Cox's Cove	Upper Area	Upper Area Wellfield	Aug 14, 2023	0.38	0.13	0.01	LTD
Cupids	Cupids	Brigus Long Pond (to Brigus)	Sep 28, 2023	0.01	0.05	LTD	5.40
Flat Bay	Flat Bay (East)	#1 Well	Aug 17, 2023	0.13	LTD	LTD	LTD
Flat Bay	Flat Bay (East)	#3 Well	Aug 17, 2023	0.30	1.10	LTD	0.59
Flat Bay West	Flat Bay West	#3 Well	Aug 17, 2023	0.07	0.88	LTD	LTD

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Gillams	Gillams	Meaters Pond	Jul 26, 2023	0.02	0.06	LTD	4.30
Glenwood	Glenwood	Gander Lake (The Outflow)	Aug 30, 2023	0.01	0.10	LTD	6.90
Great Codroy	Great Codroy East	#1 Well	Aug 19, 2023	2.40	0.14	LTD	LTD
Great Codroy	Great Codroy West	#2 Well	Aug 19, 2023	0.40	0.17	LTD	LTD
Indian Bay	Indian Bay	Indian Bay Brook	Aug 22, 2023	0.01	LTD	LTD	5.50
Kippens	Kippens	Well Field	Aug 14, 2023	0.10	0.15	LTD	LTD
Kippens	Kippens	Well Field	Aug 14, 2023	0.08	0.27	LTD	LTD
Kippens	Kippens	Well Field	Aug 14, 2023	0.08	0.26	LTD	LTD
Kippens	Kippens	Well Field	Aug 14, 2023	0.10	0.10	LTD	LTD
Lance Cove	Lance Cove	Local Service District Well	Sep 18, 2023	1.40	LTD	LTD	0.51
Mainland	Mainland	Cointres Brook (Backup Supply)	Sep 25, 2023	0.06	0.15	LTD	4.30
Makkovik	Makkovik	Ranger Bight Pond	Aug 29, 2023	0.02	LTD	LTD	4.30
Makkovik	Makkovik - PWDU	Ranger Bight Pond	Aug 29, 2023	0.02	LTD	LTD	4.30
Mattis Point	Mattis Point	Drilled	Aug 17, 2023	0.11	LTD	LTD	0.52
O'Regans East	O'Regan's East	Drilled	Aug 19, 2023	0.24	0.70	0.01	0.79
Piccadilly Slant-Abraham's Cove	Piccadilly Slant	#1 Well - Piccadilly Slant	Aug 14, 2023	0.25	0.32	LTD	1.40
Piccadilly Slant-Abraham's Cove	Abraham's Cove	#2 Well - Abraham's Cove	Aug 14, 2023	0.08	1.20	LTD	3.80
Point Lance	Point Lance (5 houses)	Well	Aug 21, 2023	0.09	LTD	0.01	LTD
Port au Port East	Port au Port East	Drilled Well - 75-80% Berry Head Watershed - 20-25%	Aug 15, 2023	0.06	0.15	LTD	2.60
Port au Port West-Aguathuna-Felix Cove	Port au Port West, Aguathuna	#1 & #3 & #6 FatherJoy's Well	Aug 15, 2023	0.25	0.08	LTD	3.70
Port au Port West-Aguathuna-Felix Cove	Port au Port West, Aguathuna	#1 & #3 & #6 FatherJoy's Well	Aug 15, 2023	1.00	0.08	LTD	1.30
Port au Port West-Aguathuna-Felix Cove	Port au Port West, Aguathuna	#1 & #3 & #6 FatherJoy's Well	Aug 15, 2023	0.54	LTD	LTD	0.63
Port au Port West-Aguathuna-Felix Cove	Felix Cove	#4-Goose Pond Road Well	Aug 15, 2023	0.19	0.17	LTD	0.98
Port au Port West-Aguathuna-Felix Cove	Felix Cove	#5 Ocean View Drive Well	Aug 15, 2023	0.23	0.23	LTD	1.10
Postville	Postville	Big Pond	Aug 29, 2023	0.01	0.12	LTD	6.40
Postville	Postville - PWDU	Big Pond	Aug 29, 2023	0.01	0.12	LTD	6.40
Raleigh	Raleigh	#4 Well	Aug 21, 2023	0.19	0.06	LTD	1.90
Rigolet	Rigolet	Rigolet Pond	Aug 29, 2023	0.02	LTD	LTD	8.60
Rigolet	Rigolet - PWDU	Rigolet Pond	Aug 29, 2023	0.02	LTD	LTD	8.60
Sheaves Cove	Sheaves Cove	Drilled	Aug 15, 2023	0.18	0.29	LTD	2.00
Sheppardville	Sheppardville	Drilled	Aug 13, 2023	0.05	LTD	LTD	2.50

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Ship Cove-Lower Cove-Jerry's Nose	Ship Cove, Jerry's Nose	#1 Well - PJ's Variety Well	Aug 15, 2023	0.47	0.07	LTD	1.00
Ship Cove-Lower Cove-Jerry's Nose	Ship Cove, Jerry's Nose	#2 Well - Howard & Rodney Jesso Well	Aug 15, 2023	0.28	0.10	LTD	1.60
Ship Cove-Lower Cove-Jerry's Nose	Ship Cove East	#3 Well - Bernard Brake Well	Aug 15, 2023	0.31	0.27	0.02	1.70
Ship Cove-Lower Cove-Jerry's Nose	Ship Cove, Jerry's Nose	#4B Well - Nancy Rowe Well	Aug 15, 2023	0.27	0.20	LTD	8.60
Ship Cove-Lower Cove-Jerry's Nose	Ship Cove, Jerry's Nose	#5 Well - Murdock Wheeler Well	Aug 15, 2023	0.05	0.23	LTD	0.71
Ship Cove-Lower Cove-Jerry's Nose	Lower Cove	#6 Well - Lower Cove Well	Aug 15, 2023	0.16	0.52	LTD	0.66
South River	South River	Brigus Long Pond (to Brigus)	Sep 28, 2023	0.01	0.05	LTD	5.40
St. Andrews	St. Andrew's	#1 Well	Aug 19, 2023	1.00	0.42	LTD	1.30
St. Andrews	St. Andrew's	#2 Well	Aug 19, 2023	0.37	LTD	LTD	1.00
St. Andrews	St. Andrew's East	#3 Well	Aug 19, 2023	0.16	0.20	LTD	3.10
St. Andrews	Air Strip Road	#4 Well Strip Road Well	Aug 19, 2023	0.69	LTD	LTD	0.72
St. George's	St. George's	Wellfield	Aug 16, 2023	0.15	0.20	LTD	3.70
St. George's	St. George's	Wellfield	Aug 16, 2023	0.13	LTD	0.01	0.69
St. George's	St. George's	Wellfield	Aug 16, 2023	0.08	LTD	LTD	0.97
St. George's	St. George's	Wellfield	Aug 16, 2023	0.10	0.22	LTD	0.56
St. Lunaire-Griquet	St. Lunaire-Griquet	Drilled	Aug 21, 2023	0.20	LTD	LTD	5.30
Stephenville	Stephenville	Well Field	Aug 16, 2023	0.07	0.45	LTD	LTD
Stephenville	Stephenville	Well Field	Aug 16, 2023	0.08	0.46	LTD	LTD
Stephenville	Stephenville	Well Field	Aug 16, 2023	0.11	0.07	LTD	LTD
Stephenville	Stephenville	Well Field	Aug 16, 2023	0.10	LTD	LTD	LTD
Stephenville	Stephenville	Well Field	Aug 16, 2023	0.14	LTD	LTD	1.10
Stephenville	Stephenville	Well Field	Aug 16, 2023	0.14	LTD	LTD	0.88
Stephenville	Stephenville	Well Field	Aug 16, 2023	0.31	LTD	LTD	0.73
Stephenville	Stephenville	Well Field	Aug 16, 2023	0.08	0.05	LTD	3.50
Stephenville	Stephenville	Well Field	Aug 16, 2023	0.10	0.16	LTD	0.86
Stephenville Crossing	Stephenville Crossing	Well Fields 1 & 2	Aug 16, 2023	0.08	0.21	LTD	LTD
Stephenville Crossing	Stephenville Crossing	Well Fields 1 & 2	Aug 16, 2023	0.08	0.14	LTD	LTD
Stephenville Crossing	Stephenville Crossing	Well Fields 1 & 2	Aug 16, 2023	0.09	0.84	LTD	0.93
Stephenville Crossing	Stephenville Crossing	Well Fields 1 & 2	Aug 16, 2023	0.10	0.22	LTD	LTD
Tompkins	Tompkins	Greg Wall Well	Aug 19, 2023	0.24	0.21	LTD	LTD
Upper Ferry	Upper Ferry - Lower	#1 Well - Gerard Brownrigg Well	Aug 19, 2023	0.09	1.20	LTD	LTD
Upper Ferry	Upper Ferry - Middle	#2 Well - Hughie MacIassac Well	Aug 19, 2023	0.18	0.14	LTD	LTD

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Upper Ferry	Upper Ferry - Upper	#3 Well - Marshall Devoe Well	Aug 19, 2023	0.18	0.26	LTD	LTD
Upper Ferry	Upper Ferry	#4 Well - Angus MacNeil Well	Aug 19, 2023	0.40	LTD	LTD	0.59
Wabana	Wabana	#3 Yard West Mines Road	Sep 18, 2023	0.34	LTD	LTD	1.30
Wabana	Wabana - PWDU	#3 Yard West Mines Road	Sep 18, 2023	0.34	LTD	LTD	1.30
Wabana	Wabana	#3 Yard West Mines Road	Sep 18, 2023	0.57	LTD	LTD	3.60
Wabana	Wabana - PWDU	#3 Yard West Mines Road	Sep 18, 2023	0.57	LTD	LTD	3.60
Wabana	Wabana	#4-West Mines Road	Sep 18, 2023	0.36	LTD	LTD	4.50
Wabana	Wabana	Middleton Ave	Sep 18, 2023	0.43	LTD	LTD	3.30
Wabana	Wabana	Mixed Supplies	Sep 18, 2023	0.39	LTD	LTD	2.20
Wabana	Wabana	Mixed Supplies	Sep 18, 2023	0.75	LTD	LTD	0.84
Wabana	Wabana	Mixed Supplies	Sep 18, 2023	0.46	LTD	0.01	3.90
Wabana	Wabana	Mixed Supplies	Sep 18, 2023	0.40	LTD	LTD	1.70
Wabana	Wabana	Normore Crescent East #1	Sep 18, 2023	0.73	LTD	LTD	3.40
Wabana	Wabana	Quigley's Line	Sep 18, 2023	0.69	0.15	LTD	3.20
Wabana	Wabana	St. Edward's Memorial St.	Sep 18, 2023	0.05	LTD	LTD	LTD
Wabush	Wabush	Wahnahnish Lake	Jul 14, 2023	0.02	LTD	LTD	3.30

Source water samples are collected directly from the source such as a groundwater well, lake, pond, or stream prior to disinfection or other treatment. The source water quality is analyzed to determine the quality of water that flows into your water treatment and distribution system. The quality of this water is a direct indicator of the health of the ecosystem that makes up the natural drainage basin, well head recharge area or watershed area. Monitoring of source water quality is the most important tool to assess the impact of land use changes on source water quality, the presence of disinfection by-product (DBP) pre-cursors and to ensure the integrity of a public water supply. The values for each parameter are as reported by the lab and verified by the department.

The exceedance report for source water provides a brief discussion and interpretation of health related water quality parameters, if any, that exceed the acceptable limits as set out in the Guidelines for Canadian Drinking Water Quality (GCDWQ). This comparison is only for screening purposes since at present there are no guidelines for untreated source water. The GCDWQ applies to water at the consumers tap. However in the absence of water treatment these guidelines could be applicable to source water quality

Contaminants are substances that are known or suspected to cause adverse effects on the health of some people when present in concentrations greater than the established Maximum Acceptable Concentrations (MACs) or the Interim Maximum Acceptable Concentrations (IMACs) of the GCDWQ. Each MAC has been derived to safeguard health assuming lifelong consumption of drinking water containing the substance at that concentration. IMACs are reviewed periodically as new information becomes available. Please consult your Medical Officer of Health for additional information on the health aspects on contaminants. Contaminant exceedances are highlighted in **red text** and enclosed in a box.

Contaminant Exceedances

Strontium: The maximum acceptable concentration for strontium is 7.0 mg/L. Strontium may enter drinking water from naturally occurring deposits or as a result of human activity, such as mining or other industries. High levels of this contaminant can cause adverse health effects for some people.

Nitrate: The maximum acceptable concentration for nitrate is 10 mg/L as nitrate-nitrogen. Nitrate is a naturally occurring ion that is widespread in the environment. High levels of this contaminant can cause adverse health effects for some people.

Nitrite: The maximum acceptable concentration for nitrite is 1 mg/L as nitrite-nitrogen. Nitrite is a naturally occurring ion that is widespread in the environment. High levels of this contaminant can cause adverse health effects for some people.

LTD - Less Than Detection Limit - The detection limit is the lowest concentration of a substance that can be determined using a particular test method and instrument. Detection limits vary from parameter to parameter and change from time to time due to improvements in analytical procedures and equipment.

mg/L = milligrams per litre or parts per million TOC = total organic carbon