

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)	Jun 06, 2023	0.01	0.12	LTD	6.30
Arnold's Cove	Arnold's Cove	Steve's Pond (2 Intakes)	Jun 22, 2023	0.01	LTD	LTD	5.60
Bay Roberts	Bay Roberts	Rocky Pond	May 19, 2023	0.01	LTD	0.01	2.00
Beaches	Beaches	Grassey Pond Brook	Jun 01, 2023	0.01	LTD	LTD	8.10
Beachside	Beachside	Long Pond	May 30, 2023	0.01	0.10	LTD	6.00
Bellevue	Bellevue	Big Pond	May 29, 2023	0.02	LTD	LTD	4.90
Bishop's Falls	Bishop's Falls	Northern Arm Lake	May 15, 2023	0.01	0.06	LTD	5.90
Black Duck Cove	Black Duck Cove	Long Pond - Black Duck Cove Intake	Jun 12, 2023	0.01	LTD	0.01	7.10
Botwood	Botwood	Northern Arm Lake	May 15, 2023	0.01	0.06	LTD	5.90
Brighton	Brighton	Hynes Cove Pond	May 31, 2023	0.01	LTD	LTD	7.70
Bryant's Cove	Bryant's Cove (Backup Supply)	Kelly's Pond (Spider's Pond)	May 19, 2023	0.00	LTD	LTD	4.00
Buchans	Buchans	Buchans Lake aka Sandy Lake	May 23, 2023	0.00	LTD	LTD	6.40
Buchans	Buchans - PWDU	Buchans Lake aka Sandy Lake	May 23, 2023	0.00	LTD	LTD	6.40
Burgoyne's Cove	Burgoyne's Cove	Lower Rocky Pond	Jun 27, 2023	0.01	LTD	LTD	2.70
Campbellton	Campbellton	Indian Arm Brook	May 30, 2023	0.01	LTD	LTD	6.90
Caplin Cove-Southport	Southport	Button's Pond	May 19, 2023	0.01	LTD	LTD	5.20
Carbonear	Carbonear	Island Pond / Flings Long Pond	May 17, 2023	0.01	LTD	LTD	3.20
Carmanville	Carmanville	Grandfathers Pond	Jun 06, 2023	0.01	0.05	LTD	3.70
Cavendish	Cavendish	Long Pond	Jun 07, 2023	0.01	LTD	LTD	4.30
Centreville-Wareham-Trinity	Centreville-Wareham	Northwest Pond	Jun 20, 2023	0.01	0.06	LTD	6.80
Centreville-Wareham-Trinity	Trinity	Southwest Feeder Pond	Jun 20, 2023	0.00	0.08	LTD	7.40
Chanceport	Chanceport	Bridger's Cove Pond	May 29, 2023	0.02	LTD	0.02	13.00
Clareville	Clareville, Shoal Harbour	Shoal Harbour River	Jun 14, 2023	0.01	0.08	LTD	7.80
Clarke's Beach	Clarke's Beach	Clarke's Pond	May 19, 2023	0.01	0.16	LTD	2.80
Comfort Cove-Newstead	Comfort Cove-Newstead	Steady Cove Pond	May 29, 2023	0.02	LTD	LTD	9.00
Deer Lake	Deer Lake (+Reidville)	Humber Canal, Grand Lake	Jun 16, 2023	0.01	0.17	LTD	3.70
Embree	Embree (+Little Burnt Bay)	Troke's Cove Pond	May 17, 2023	0.01	LTD	LTD	6.20
Fairbanks-Hillgrade	Fairbanks-Hillgrade	Saltine's Pond	May 30, 2023	0.02	LTD	LTD	7.70
Ferryland	Ferryland	Deep Cove Pond	May 23, 2023	0.01	LTD	LTD	7.90
Flower's Cove	Flower's Cove (+Nameless Cove)	French Island Pond	Jun 21, 2023	0.02	LTD	LTD	5.70
Fogo Island	Fogo	Freeman's Pond	Jun 13, 2023	0.01	LTD	LTD	16.00
Fogo Island	Fogo - PWDU	Freeman's Pond	Jun 13, 2023	0.01	LTD	LTD	16.00

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Fogo Island	Joe Batt's Arm-Barr'd Islands-Shoal Bay	Long Pond	Jun 13, 2023	0.01	LTD	LTD	11.00
Fox Cove-Mortier	Fox Cove-Mortier	Rock Pond	Jun 14, 2023	0.01	LTD	LTD	7.10
Gander	Gander	Gander Lake	Jun 07, 2023	0.01	0.19	LTD	6.10
Gander Bay South	Gander Bay South - PWDU	Barry's Brook	Jun 06, 2023	0.01	0.07	LTD	10.00
Gander Bay South	George's Point, Harris Point	Barry's Brook	Jun 06, 2023	0.01	0.07	LTD	10.00
Garden Cove	Garden Cove	Arch Cove Pond	May 24, 2023	0.00	LTD	LTD	7.50
Gaskiers	Gaskiers-Point La Haye	Big Hare Hill Pond	May 31, 2023	0.01	LTD	LTD	8.60
Glenburnie-Birchy Head-Shoal Brook	Glenburnie-Birchy Head-Shoal Brook	Croucher's Brook	May 18, 2023	0.01	LTD	LTD	5.80
Glenwood	Glenwood	Gander Lake (The Outflow)	Jun 06, 2023	0.01	0.12	LTD	6.30
Goose Cove East	Goose Cove East	Jack's Pond	Jun 21, 2023	0.01	0.16	LTD	13.00
Grand Falls-Windsor	Grand Falls-Windsor (+Bishop's Falls, +Wooddale, +Botwood, +Peterview)	Northern Arm Lake	May 15, 2023	0.01	0.06	LTD	5.90
Great Brehat	Great Brehat	Little Steady Pond	Jun 21, 2023	0.02	0.08	LTD	11.00
Hampden	Hampden	Elliot Brook	Jun 01, 2023	0.04	LTD	LTD	4.60
Hant's Harbour	Hant's Harbour	Eastern Pond (Halfway Brook)	Jun 01, 2023	0.01	0.05	LTD	5.30
Harbour Main-Chapel's Cove-Lakeview	Harbour Main, Chapel's Cove, Lakeview	Maloney's River	Jun 06, 2023	0.01	0.06	LTD	4.30
Heart's Desire	Heart's Desire	Terrence Pond	Jun 20, 2023	0.01	0.07	LTD	3.10
Indian Bay	Indian Bay	Indian Bay Brook	Jun 20, 2023	0.01	0.10	LTD	5.40
King's Point	King's Point	Bulley's Pond	May 16, 2023	0.00	LTD	LTD	7.90
Lamaline	Lamaline	Upper Hodges Pond	Jun 13, 2023	0.01	LTD	LTD	4.60
Lamaline	Lamaline - PWDU	Upper Hodges Pond	Jun 13, 2023	0.01	LTD	LTD	4.60
Lawn	Lawn	Brazil Pond	Jun 13, 2023	0.01	LTD	0.01	5.20
Lawn	Lawn - PWDU	Brazil Pond	Jun 13, 2023	0.01	LTD	0.01	5.20
Little Bay	Little Bay	First Pond	May 16, 2023	0.01	0.17	LTD	3.20
Little Burnt Bay	Little Burnt Bay	Troke's Cove Pond	May 17, 2023	0.01	LTD	LTD	6.20
Little Harbour East	Little Harbour East (Placentia Bay)	Unnamed Pond	May 29, 2023	0.01	LTD	LTD	6.80
Main Brook	Main Brook	Joe Burt's Pond	Jun 20, 2023	0.02	LTD	LTD	6.10
Mainland	Mainland	Cointres Brook (Backup Supply)	Jun 15, 2023	0.06	0.17	LTD	2.20
Meadows	Meadows, Summerside West	Meaters Pond	Jun 28, 2023	0.02	LTD	LTD	4.30
Merritt's Harbour	Merritt's Harbour	Jimmy's Pond	May 30, 2023	0.02	LTD	LTD	9.40
Middle Arm	Middle Arm	Dam Pond Brook	Jun 07, 2023	0.00	0.05	LTD	15.00
Miles Cove	Miles Cove	Paddock's Pond	May 30, 2023	0.01	0.05	LTD	6.20

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Millertown	Millertown	Water Pond	May 23, 2023	0.01	LTD	LTD	7.30
Milltown-Head of Bay D'Espoir	Milltown, Head of Bay D'Espoir	Jersey Pond	May 23, 2023	0.02	LTD	LTD	5.30
Ming's Bight	Ming's Bight	Middle Brook Pond	Jun 29, 2023	0.01	LTD	LTD	4.60
Morrisville	Morrisville	Morrisville Pond	May 23, 2023	0.03	0.06	LTD	4.90
Nameless Cove	Nameless Cove / Flower Cove	French Island Pond	Jun 21, 2023	0.02	LTD	LTD	5.70
New Chelsea-New Melbourne-Brownsdale-Sibley's Cove-Lead Cove	Sibley's Cove, Lead Cove	Sibley's Cove Pond	May 30, 2023	0.01	LTD	LTD	2.70
Norris Arm	Norris Arm (south)	Mill Lake	May 17, 2023	0.01	LTD	LTD	4.90
Northern Arm	Northern Arm	Northern Arm Lake	May 15, 2023	0.01	0.06	LTD	5.90
Old Perican	Old Perican	Bell Pond	May 30, 2023	0.01	LTD	LTD	3.40
Pacquet	Pacquet	Big Brook	Jun 29, 2023	0.00	LTD	0.01	15.00
Pacquet	Pacquet - PWDU	Big Brook	Jun 29, 2023	0.00	LTD	0.01	15.00
Pasadena	Pasadena	Blue Gulch Pond	Jun 30, 2023	0.02	LTD	LTD	5.90
Peterview	Peterview	Northern Arm Lake	May 15, 2023	0.01	0.06	LTD	5.90
Petit Forte	Petit Forte	Reddy's Pond	Jun 12, 2023	0.01	LTD	LTD	6.60
Placentia	Placentia, Jerseyside, SE Placentia	Larkins Pond	Jun 08, 2023	0.02	LTD	LTD	6.40
Pollards Point	Pollards Point, Country Cove	Country Cove Pond	May 31, 2023	0.03	LTD	LTD	4.80
Pollards Point	Pollards Point East	George Ricks Pond	Jun 01, 2023	0.01	0.05	LTD	6.20
Pool's Cove	Pool's Cove	Widgeon Pond	May 24, 2023	0.02	LTD	LTD	3.80
Port au Choix	Port au Choix	Winterhouse Pond	Jun 22, 2023	0.05	LTD	LTD	4.60
Port au Choix	Port au Choix - PWDU	Winterhouse Pond	Jun 22, 2023	0.05	LTD	LTD	4.60
Portugal Cove South	Portugal Cove South	Wrights Brook	May 31, 2023	0.01	LTD	0.02	3.90
Pynn's Brook	Pynn's Brook	Pynn's Brook	Jun 28, 2023	0.06	LTD	LTD	5.60
Ramea	Ramea	Northwest Pond	Jun 13, 2023	0.05	0.07	LTD	12.00
Ramea	Ramea - PWDU	Northwest Pond	Jun 13, 2023	0.05	0.07	LTD	12.00
Random Sound West	Queen's Cove	Reservoir	May 24, 2023	0.01	LTD	LTD	8.70
Reidville	Reidville	Humber Canal, Grand Lake	Jun 16, 2023	0.01	0.17	LTD	3.70
River of Ponds	River of Ponds	Burnt Head Ponds	Jun 22, 2023	0.02	LTD	LTD	4.60
Salmon Cove	Salmon Cove	Rocky Pond	May 17, 2023	0.00	0.07	LTD	2.70
Sheaves Cove	Sheaves Cove	Unnamed Brook	Jun 14, 2023	0.06	0.28	LTD	2.80
Shoe Cove	Shoe Cove	Second Pond	Jun 29, 2023	0.01	0.05	LTD	7.20
Sop's Arm	Sop's Arm	Little Tickle Pond	May 31, 2023	0.02	0.08	LTD	9.40
South Brook	South Brook	Next to Brook	May 30, 2023	0.03	0.34	LTD	LTD

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				Guidelines for Canadian Drinking Water Quality	7	10	1	
Spaniard's Bay	Spaniard's Bay (+Upper Island Cove, + Bryant's Cove)	Kelly's Pond (Spider's Pond)	May 19, 2023	0.00	LTD	LTD	4.00	
St. Judes	St. Judes	Chute Brook	Jun 30, 2023	0.14	LTD	LTD	4.70	
St. Judes	St. Judes	Uncle Arthur Brook	Jun 30, 2023	0.09	LTD	LTD	8.50	
St. Lawrence	St. Lawrence	St. Lawrence River	Jun 14, 2023	0.01	0.09	LTD	4.90	
St. Lawrence	St. Lawrence - PWDU	St. Lawrence River	Jun 14, 2023	0.01	0.09	LTD	4.90	
St. Lunaire-Griquet	St. Lunaire-Griquet	Joe's Pond	Jun 21, 2023	0.04	LTD	LTD	13.00	
St. Lunaire-Griquet	Gunners Cove	Lookout Brook	Jun 21, 2023	0.04	LTD	LTD	13.00	
St. Pauls	St. Pauls	Two Mile Pond	Jun 23, 2023	0.05	LTD	LTD	6.90	
Steady Brook	Steady Brook	Wellfield + Steady Brook	Jun 30, 2023	0.01	LTD	LTD	8.70	
Straitsview	Straitsview	Saddle Hill Pond	Jun 21, 2023	0.03	0.07	LTD	10.00	
Thornlea	Thornlea	Big Bakeapple Pond	Jun 05, 2023	0.03	LTD	LTD	7.80	
Tizzard's Harbour	Tizzard's Harbour	Rocky Pond	May 29, 2023	0.01	LTD	LTD	11.00	
Torbay	Torbay	North Pond	May 16, 2023	0.01	LTD	LTD	2.60	
Trinity Bay North	Little Catalina	Whirl Pond	Jun 22, 2023	0.00	0.07	LTD	8.90	
Trinity Bay North	Melrose	Whirl Pond	Jun 22, 2023	0.00	0.07	LTD	8.90	
Trinity Bay North	Port Union, Catalina (+Little Catalina)	Whirl Pond	Jun 22, 2023	0.00	0.07	LTD	8.90	
Triton	Triton, Jim's Cove, Card's Harbour	Triton Pond	May 31, 2023	0.03	0.06	LTD	9.70	
Upper Island Cove	Upper Island Cove	Kelly's Pond (Spider's Pond)	May 19, 2023	0.00	LTD	LTD	4.00	
Victoria	Victoria (+Salmon Cove)	Rocky Pond	May 17, 2023	0.00	0.07	LTD	2.70	
Whiteway	Whiteway (+Cavendish)	Long Pond	Jun 07, 2023	0.01	LTD	LTD	4.30	
Whiteway	Whiteway - PWDU	Long Pond	Jun 07, 2023	0.01	LTD	LTD	4.30	
Wooddale	Wooddale	Northern Arm Lake	May 15, 2023	0.01	0.06	LTD	5.90	
Woody Point	Woody Point	Winterhouse Brook	May 18, 2023	0.01	0.10	LTD	3.20	

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			Guidelines for Canadian Drinking Water Quality	7	10	1	

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