

## 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 Guidelines for Canadian Drinking Water Quality 7	mg/L 10	mg/L 1	mg/L
Appleton	Appleton (+Glenwood)	Gander Lake (The Outflow)	Nov 26, 2024	0.01	0.11	LTD	7.30
Avondale	Avondale	Lees Pond	Dec 11, 2024	0.01	0.07	LTD	5.20
Bay de Verde	Bay de Verde	Island Pond	Dec 04, 2024	0.01	0.07	LTD	6.50
Bellburns	Bellburns	Bound Brook Tributary	Nov 08, 2024	0.04	0.13	LTD	6.30
Bellevue Beach	Bellevue Beach	Unnamed Brook	Dec 05, 2024	0.01	0.05	LTD	17.00
Benton	Benton	Little Pond	Dec 10, 2024	0.01	LTD	LTD	14.00
Birchy Bay	Birchy Bay	Jumper's Pond	Nov 18, 2024	0.02	0.12	LTD	12.00
Biscay Bay	Biscay Bay	Unnamed Pond	Nov 19, 2024	0.00	LTD	LTD	9.80
Brent's Cove	Brent's Cove	Paddy's Pond	Dec 03, 2024	0.01	LTD	LTD	17.00
Buchans Junction	Buchans Junction	Lapland Pond	Dec 02, 2024	0.01	LTD	LTD	10.00
Burgeo	Burgeo	Long Pond	Nov 21, 2024	0.01	0.06	LTD	18.00
Cape St. George	Cape St. George, Red Brook, De-Grau, Marches Point	Rouzes Brook	Dec 16, 2024	0.05	0.24	LTD	1.70
Charlottetown (Labrador)	Charlottetown (Labrador)	Middle Pond	Oct 10, 2024	0.01	LTD	LTD	9.00
Charlottetown (Labrador)	Charlottetown (Labrador) - PWDU	Middle Pond	Oct 10, 2024	0.01	LTD	LTD	9.00
Churchill Falls	Churchill Falls	Smallwood Reservoir	Oct 15, 2024	0.01	LTD	LTD	3.10
Clareville	Clareville, Shoal Harbour	Shoal Harbour River	Dec 05, 2024	0.01	0.07	LTD	9.50
Come By Chance	Come By Chance	Butchers Brook	Dec 02, 2024	0.01	LTD	LTD	8.90
Conception Bay South	Conception Bay South	Bay Bulls Big Pond	Dec 10, 2024	0.01	LTD	LTD	5.30
Conne River	Conne River	Southwest Brook	Nov 12, 2024	0.01	LTD	LTD	9.00
Corner Brook	Corner Brook (+Massey Drive, +Mount Moriah)	Trout Pond, Third Pond (2 intakes)	Dec 03, 2024	0.02	0.09	LTD	6.00
Crow Head	Crow Head	Oars Pond	Nov 20, 2024	0.03	LTD	LTD	13.00
Daniel's Harbour	Daniel's Harbour	Unnamed Spring & Brook	Nov 08, 2024	0.07	0.34	LTD	2.90
Deadman's Bay	Deadman's Bay	Deadman's Pond	Nov 26, 2024	0.01	LTD	LTD	15.00
Dover	Dover	Hare Bay Pond	Dec 03, 2024	0.01	0.06	LTD	12.00
Elliston	Elliston	Big Pond	Nov 27, 2024	0.00	LTD	LTD	6.30
Fogo Island	Seldom-Little Seldom	Bullock Cove Pond	Dec 11, 2024	0.01	0.06	LTD	19.00
Fogo Island	Seldom-Little Seldom - PWDU	Bullock Cove Pond	Dec 11, 2024	0.01	0.06	LTD	19.00
Fortune	Fortune (+Grand Bank)	Horsebrook	Nov 05, 2024	0.01	0.09	LTD	6.30
George's Brook-Milton	George's Brook-Milton	George's Brook	Dec 02, 2024	0.01	LTD	LTD	9.30
Glenwood	Glenwood	Gander Lake (The Outflow)	Nov 26, 2024	0.01	0.11	LTD	7.30
Grand Bank	Grand Bank	Horsebrook	Nov 05, 2024	0.01	0.09	LTD	6.30

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Grand Le Pierre	Grand Le Pierre	Nip Nose Pond	Nov 07, 2024	0.00	LTD	LTD	10.00
Happy Adventure	Happy Adventure	Goose Neck Pond	Nov 26, 2024	0.01	LTD	LTD	14.00
Harbour Grace	Harbour Grace, Harbour Grace South (+Riverhead)	Bannerman Lake	Nov 25, 2024	0.01	LTD	LTD	5.70
Harbour Main-Chapel's Cove-Lakeview	Harbour Main, Chapel's Cove, Lakeview	Maloney's River	Dec 11, 2024	0.01	0.06	LTD	5.40
Hare Bay	Hare Bay (+Dover)	Hare Bay Pond	Dec 03, 2024	0.01	0.06	LTD	12.00
Heart's Delight-Islington	Heart's Delight-Islington	Long Pond	Dec 10, 2024	0.01	LTD	LTD	15.00
Hermitage	Hermitage-Sandyville	Granfer's Pond	Nov 19, 2024	0.01	LTD	LTD	13.00
Hermitage	Hermitage-Sandyville - PWDU	Granfer's Pond	Nov 19, 2024	0.01	LTD	LTD	13.00
Hickman's Harbour-Robinson Bight	Hickman's Harbour-Robinson Bight	Big Loss Pound Pond	Dec 02, 2024	0.01	LTD	LTD	5.20
Hopedale	Hopedale	American Pond	Oct 23, 2024	0.01	LTD	LTD	5.00
Howley	Howley	Sandy Lake	Nov 14, 2024	0.01	0.06	LTD	6.70
Howley	Howley - PWDU	Sandy Lake	Nov 14, 2024	0.01	0.06	LTD	6.70
Humber Arm South	Frenchman's Cove Area	Gurges Pond	Nov 27, 2024	0.05	LTD	LTD	3.80
Indian Bay	Indian Bay	Indian Bay Brook	Dec 03, 2024	0.01	0.08	LTD	6.50
Jackson's Cove-Langdon's Cove-Silverdale	Silverdale, Nickey's Nose Cove	Nickey's Nose Cove Pond	Nov 25, 2024	0.01	LTD	0.01	5.00
Keels	Keels	Boland's Pond	Nov 27, 2024	0.01	LTD	LTD	18.00
L'Anse au Loup	L'Anse au Loup	L'anse Au Loup River	Oct 09, 2024	0.02	0.07	LTD	3.30
LaScie	La Scie	Stakes Pond	Dec 03, 2024	0.01	0.05	LTD	6.50
Labrador City	Labrador City	Beverly Lake	Oct 16, 2024	0.01	LTD	LTD	2.10
Lark Harbour	Lark Harbour	Fairfax Brook	Nov 27, 2024	0.01	0.27	LTD	6.60
Little Bay	Little Bay	Mine Pond	Nov 25, 2024	0.02	0.07	LTD	5.60
Little St. Lawrence	Little St. Lawrence	Butler's Brook (2 Intakes)	Nov 05, 2024	0.01	LTD	LTD	4.60
Lourdes	Lourdes (+West Bay)	Victor's Brook	Dec 16, 2024	0.08	0.14	LTD	7.40
Lushes Bight-Beaumont-Beaumont North	Lushes Bight, Beaumont	Milkboy's Pond/Gull Pond	Nov 27, 2024	0.01	LTD	0.02	11.00
Lushes Bight-Beaumont-Beaumont North	Lushes Bight, Beaumont - PWDU	Milkboy's Pond/Gull Pond	Nov 27, 2024	0.01	LTD	0.02	11.00
Mainland	Mainland	Caribou Brook	Dec 16, 2024	0.07	0.29	LTD	3.20
Mary's Harbour	Mary's Harbour	St. Mary's River	Oct 09, 2024	0.01	LTD	LTD	7.40
Mary's Harbour	Mary's Harbour - PWDU	St. Mary's River	Oct 09, 2024	0.01	LTD	LTD	7.40
Massey Drive	Massey Drive	Trout Pond, Third Pond (2 intakes)	Dec 03, 2024	0.02	0.09	LTD	6.00
Mount Moriah	Mount Moriah	Trout Pond, Third Pond (2 intakes)	Dec 03, 2024	0.02	0.09	LTD	6.00
Mount Pearl	Mount Pearl	Bay Bulls Big Pond	Dec 10, 2024	0.01	LTD	LTD	5.30

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			Guidelines for Canadian Drinking Water Quality				
Nain	Nain	Trouser Lake	Oct 22, 2024	0.01	LTD	LTD	2.40
Natuashish	Natuashish (Sango Bay)	Sango Brook and Wellfield	Nov 11, 2024	0.02	LTD	LTD	3.10
Natuashish	Natuashish (Sango Bay)	Sango Brook and Wellfield	Nov 11, 2024	0.12	LTD	LTD	0.56
New-Wes-Valley	Wesleyville-Badger's Quay-Pool's Island, Brookfield-Poundcove-Newtown-Templeman	Little Northwest Pond	Dec 03, 2024	0.01	LTD	LTD	22.00
Norris Point	Norris Point	Neddy Harbour Pond	Nov 14, 2024	0.02	LTD	LTD	4.70
Paradise	Paradise	Bay Bulls Big Pond	Dec 10, 2024	0.01	LTD	LTD	5.30
Parkers Cove	Parkers Cove	Unnamed brook	Nov 04, 2024	0.01	LTD	LTD	15.00
Phillips Head	Phillips Head	Dogberry Brook	Nov 12, 2024	0.02	0.12	LTD	11.00
Pilley's Island	Pilley's Island	Loadabats Pond	Nov 27, 2024	0.04	LTD	LTD	6.00
Pleasantview	Pleasantview	Little Arm Pond	Nov 12, 2024	0.01	0.07	LTD	12.00
Point Leamington	Point Leamington	Little Pond	Nov 05, 2024	0.02	0.06	LTD	8.70
Point of Bay	Point of Bay	Indian Cove Pond	Nov 13, 2024	0.02	LTD	LTD	9.30
Port Anson	Port Anson	Anchor Pond	Nov 27, 2024	0.01	LTD	LTD	13.00
Portland Creek	Portland Creek	Unnamed Streams	Nov 08, 2024	0.08	0.20	LTD	3.80
Portugal Cove-St. Phillips	Portugal Cove-St. Phillips	Bay Bulls Big Pond	Dec 10, 2024	0.01	LTD	LTD	5.30
Pouch Cove	Pouch Cove	North Three Island Pond	Nov 28, 2024	0.01	LTD	LTD	13.00
Robert's Arm	Robert's Arm	Young's Pond / Dam Pond	Nov 27, 2024	0.02	LTD	0.01	6.10
Rocky Harbour	Rocky Harbour	Gull Pond	Nov 14, 2024	0.03	LTD	LTD	6.30
Rose Blanche-Harbour Le Cou	Rose Blanche-Harbour Le Cou	Rose Blanche Brook	Nov 05, 2024	0.01	LTD	LTD	11.00
Seal Cove (FB)	Seal Cove, F.B.	Big Black Duck Pond	Nov 19, 2024	0.01	LTD	LTD	16.00
Seal Cove (FB)	Seal Cove, F.B. - PWDU	Big Black Duck Pond	Nov 19, 2024	0.01	LTD	LTD	16.00
Seal Cove (WB)	Seal Cove, W.B.	Seal Cove Brook & Long Pond	Nov 06, 2024	0.01	LTD	LTD	10.00
Seal Cove (WB)	Seal Cove, W.B. - PWDU	Seal Cove Brook & Long Pond	Nov 06, 2024	0.01	LTD	LTD	10.00
Southern Harbour	Southern Harbour	Brigades Pond	Dec 02, 2024	0.01	0.05	LTD	9.60
Springdale	Springdale	Sullivan's Pond (2 Intakes)	Nov 25, 2024	0.01	LTD	LTD	5.40
St. Bernard's-Jacques Fontaine	St. Bernard's-Jacques Fontaine	Rattle Brook	Nov 07, 2024	0.01	0.05	LTD	10.00
St. Bride's	St. Bride's	North Side Brook	Dec 13, 2024	0.01	LTD	LTD	5.80
St. Bride's	St. Bride's	South Side Brook	Dec 13, 2024	0.01	LTD	LTD	9.00
St. John's	St. John's (+Mt. Pearl, +Paradise, +Portugal Cove-St. Phillips, +CBS)	Bay Bulls Big Pond	Dec 10, 2024	0.01	LTD	LTD	5.30
St. John's	St. John's	Petty Harbour Long Pond	Dec 04, 2024	0.00	LTD	LTD	4.30
St. John's	St. John's	Windsor Lake	Dec 04, 2024	0.01	0.05	LTD	3.10

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Units				mg/L	mg/L	mg/L	mg/L
Guidelines for Canadian Drinking Water Quality				7	10	1	
Tilt Cove	Tilt Cove	Castle Rock Pond	Dec 03, 2024	0.03	0.06	LTD	3.40
Trout River	Trout River	Feeder Brook	Nov 14, 2024	0.01	0.22	LTD	1.90
West Bay	West Bay	Victor's Brook	Dec 16, 2024	0.08	0.14	LTD	7.40
Wild Cove	Wild Cove	Hedderson's Pond Brook	Nov 06, 2024	0.02	LTD	LTD	15.00

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