

## 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	
Anchor Point	Anchor Point	Well Cove Brook	Nov 02, 2022	0.02	0.05	LTD	7.70
Aquaforte	Aquaforte	Davies Pond	Dec 01, 2022	0.00	LTD	LTD	12.00
Baie Verte	Baie Verte	Southern Arm Pond	Nov 23, 2022	0.01	0.05	LTD	7.00
Baine Harbour	Baine Harbour	Baine Harbour Pond	Nov 09, 2022	0.01	LTD	LTD	13.00
Bay L'Argent	Bay L'Argent	Sugarloaf Hill Pond	Nov 07, 2022	0.01	LTD	0.01	13.00
Belleoram	Belleoram	Rabbits Pond	Nov 23, 2022	0.01	0.07	LTD	16.00
Black Tickle-Domino	Black Tickle-Domino - Outside Tap	Martin's Pond - Tap at Pumphouse	Nov 03, 2022	0.03	LTD	0.01	11.00
Black Tickle-Domino	Black Tickle-Domino - PWDU	Martin's Pond - Tap at Pumphouse	Nov 03, 2022	0.03	LTD	0.01	11.00
Bonavista	Bonavista	Long Pond	Nov 29, 2022	0.01	LTD	LTD	6.30
Burin	Burin (+Lewin's Cove)	Big Pond	Nov 09, 2022	0.01	LTD	LTD	5.80
Burin	Port au Bras	Gripe Cove Pond	Nov 09, 2022	0.02	LTD	LTD	6.90
Burin	Burin	Long Pond	Nov 09, 2022	0.01	0.07	LTD	4.30
Burnt Islands	Burnt Islands	Long Lake	Nov 30, 2022	0.01	LTD	LTD	7.30
Burnt Islands	Burnt Islands - PWDU	Long Lake	Nov 30, 2022	0.01	LTD	LTD	7.30
Cape Freels North	Cape Freels North	Long Pond	Nov 08, 2022	0.01	0.06	LTD	8.60
Castor River North	Castor River North	Long Pond (same as Bartletts Harbour)	Nov 03, 2022	0.02	LTD	LTD	6.60
Castor River South	Castor River South	Unnamed	Nov 03, 2022	0.05	0.12	LTD	2.70
Change Islands	Change Islands - PWDU	#1 Fox Cove Well	Nov 07, 2022	0.25	0.08	LTD	13.00
Change Islands	Change Islands fill up station	#1 Fox Cove Well	Nov 07, 2022	0.25	0.08	LTD	13.00
Channel-Port aux Basques	Channel-Port Aux Basques	Gull Pond & Wilcox Pond	Nov 30, 2022	0.01	0.06	LTD	8.90
Clareville	Clareville, Shoal Harbour	Shoal Harbour River	Nov 29, 2022	0.01	0.05	LTD	10.00
Colliers	Colliers	Bedlam Pond	Dec 08, 2022	0.01	0.07	LTD	5.70
Cook's Harbour	Cook's Harbour	Unnamed Pond	Nov 02, 2022	0.07	LTD	LTD	4.80
Cottlesville	Cottlesville	Rushy Cove Pond	Dec 09, 2022	0.02	LTD	LTD	15.00
Cottrell's Cove	Cottrell's Cove	Cottrell's Pond	Nov 29, 2022	0.03	LTD	0.01	6.90
Cox's Cove	Cox's Cove	Cox's Brook	Nov 10, 2022	0.03	0.08	LTD	4.60
Dildo	Dildo, Broad Cove (+South Dildo)	Broad Cove Pond	Nov 14, 2022	0.01	LTD	LTD	12.00
Dildo	Dildo, Broad Cove (+South Dildo)	Broad Cove Pond	Nov 14, 2022	0.01	LTD	LTD	11.00
Eddies Cove West	Eddies Cove West	Unnamed	Nov 03, 2022	0.03	LTD	LTD	11.00
Fermeuse	Fermeuse, Kingman's	Merrymeeting Pond, Bear Cove Pond (2 intakes)	Dec 01, 2022	0.01	LTD	LTD	4.80
Ferryland	Ferryland	Deep Cove Pond	Dec 01, 2022	0.01	LTD	LTD	11.00

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Fogo Island	Tilting	Sandy Cove Pond	Nov 30, 2022	0.05	0.32	LTD	25.00
Forteau	Forteau	Trout Brook	Oct 04, 2022	0.03	LTD	LTD	3.40
Francois	Francois	Our Pond	Nov 15, 2022	0.01	0.08	LTD	6.90
Gallants	Gallants	Gallant's Brook	Dec 13, 2022	0.05	0.14	LTD	0.73
Gambo	Gambo	Dark Cove Pond	Nov 08, 2022	0.01	LTD	LTD	5.50
Garnish	Garnish	Witchazel Pond	Nov 08, 2022	0.01	LTD	0.01	7.90
Gaultois	Gaultois	Piccaire Pond	Nov 28, 2022	0.01	LTD	LTD	28.00
Gaultois	Gaultois - PWDU	Piccaire Pond	Nov 28, 2022	0.01	LTD	LTD	28.00
Glovertown	Glovertown	Northwest Pond	Nov 28, 2022	0.01	LTD	0.01	7.20
Goobies	Goobies	Water Pond	Nov 30, 2022	0.01	LTD	LTD	11.00
Grand Bank	Grand Bank (Backup Supply)	Grand Bank Brook (Backup Supply)	Nov 08, 2022	0.02	LTD	LTD	6.00
Green Island Brook	Green Island Brook	Green Island Brook	Nov 02, 2022	0.02	LTD	0.02	4.90
Greenspond	Greenspond	Shambler's Cove Pond	Nov 08, 2022	0.01	0.10	LTD	6.50
Harbour Breton	Harbour Breton	Connaigra Pond, Hutchings Pond	Nov 23, 2022	0.02	0.07	LTD	7.50
Hawke's Bay	Hawke's Bay	Torrent River	Nov 08, 2022	0.02	LTD	LTD	6.10
Heart's Content	Heart's Content	Southern Cove Pond	Nov 08, 2022	0.01	LTD	LTD	3.00
Herring Neck	Herring Neck, Hatchet Harbour, Salt Harbour, Shoal Cove, Sunnyside	Gut Pond	Dec 14, 2022	0.02	0.10	LTD	4.40
Indian Bay	Indian Bay	Indian Bay Brook	Nov 08, 2022	0.01	0.06	LTD	4.80
Irishtown-Summerside	Irishtown	Irishtown Brook	Nov 10, 2022	0.03	0.17	0.01	15.00
Irishtown-Summerside	Summerside	Pynn's Pond	Nov 10, 2022	0.01	0.06	LTD	7.10
Isle aux Morts	Isle aux Morts	Burnt Ground Pond	Nov 30, 2022	0.01	LTD	LTD	6.60
Isle aux Morts	Isle aux Morts - PWDU	Burnt Ground Pond	Nov 30, 2022	0.01	LTD	LTD	6.60
Jackson's Arm	Jackson's Arm	Unnamed Brook	Nov 01, 2022	0.03	LTD	LTD	7.80
Jackson's Arm	Jackson's Arm - PWDU	Unnamed Brook	Nov 01, 2022	0.03	LTD	LTD	7.80
L'Anse au Clair	L'Anse au Clair	Park Pond	Oct 04, 2022	0.03	LTD	0.01	3.40
La Poile	La Poile	Black Duck Pond	Dec 20, 2022	0.01	LTD	LTD	11.00
Leading Ticks	Leading Ticks	Cook's Pond	Nov 29, 2022	0.02	LTD	0.01	10.00
Leading Ticks	Leading Ticks - PWDU	Cook's Pond	Nov 29, 2022	0.02	LTD	0.01	10.00
Lewin's Cove	Lewin's Cove	Big Pond	Nov 09, 2022	0.01	LTD	LTD	5.80
Lewisporte	Lewisporte	Stanhope Pond	Nov 15, 2022	0.02	LTD	LTD	6.90
Loon Bay	Loon Bay	Southeast Pond	Dec 09, 2022	0.02	0.07	LTD	LTD
Lumsden	Lumsden	Gull Pond	Nov 08, 2022	0.01	LTD	LTD	9.80

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Mainland	Mainland	Cointres Brook (Backup Supply)	Nov 24, 2022	0.06	0.32	LTD	3.50
Marystown	Marystown	Fox Hill Reservoir / Clam Pond	Nov 09, 2022	0.01	LTD	LTD	6.30
Mclvers	Mclvers	Mclvers Brook	Nov 09, 2022	0.06	0.06	0.02	3.50
Musgrave Harbour	Musgrave Harbour	Rocky Pond	Nov 08, 2022	0.01	LTD	LTD	9.00
New Perlican	New Perlican	New Perlican River	Nov 03, 2022	0.01	LTD	LTD	3.90
Norman's Cove-Long Cove	Norman's Cove-Long Cove	John Newhooks Pond	Nov 22, 2022	0.01	LTD	LTD	4.90
North Harbour	North Harbour	Grandfather's Pond	Nov 30, 2022	0.00	LTD	LTD	11.00
Petty Harbour-Maddox Cove	Petty Harbour-Maddox Cove	Western Barrens Pond	Dec 01, 2022	0.00	LTD	LTD	4.40
Piccadilly Head	Piccadilly Head (+West Bay)	Unnamed Brook	Nov 29, 2022	0.09	LTD	LTD	12.00
Pigeon Cove-St. Barbe	Pigeon Cove - St. Barbe	Long Pond	Nov 02, 2022	0.01	LTD	LTD	8.70
Placentia	Freshwater, Argentia site, Dunville	Clarkes Pond	Nov 18, 2022	0.02	LTD	LTD	9.30
Point May	Point May	Short's Pond	Nov 08, 2022	0.01	LTD	0.01	15.00
Point May	Point May - PWDU	Short's Pond	Nov 08, 2022	0.01	LTD	0.01	15.00
Port Albert	Port Albert	Beaverton Pond	Dec 13, 2022	0.02	0.38	LTD	9.70
Port Blandford	Port Blandford	Noseworthy's Pond	Nov 30, 2022	0.02	LTD	0.01	5.80
Port Hope Simpson	Port Hope Simpson	Arnold's Brook and Pond	Oct 04, 2022	0.00	LTD	LTD	11.00
Port Saunders	Port Saunders	Tom Taylor's Pond	Nov 08, 2022	0.02	LTD	LTD	6.20
Port Saunders	Port Saunders - PWDU	Tom Taylor's Pond	Nov 08, 2022	0.02	LTD	LTD	6.20
Port au Port West-Aguathuna-Felix Cove	Port au Port West	Jim Rowe's Brook	Nov 29, 2022	0.07	LTD	LTD	11.00
Purcell's Harbour	Purcell's Harbour	Purcell's Harbour Pond	Dec 14, 2022	0.01	LTD	LTD	12.00
Rattling Brook	Rattling Brook	Mark's Pond Brook	Nov 16, 2022	0.00	0.05	LTD	6.40
Red Bay	Red Bay	Northern Brook	Oct 04, 2022	0.01	LTD	LTD	5.60
Roddickton-Bide Arm	Bide Arm	First Clay Cove Pond	Nov 01, 2022	0.03	LTD	LTD	5.00
South Dildo	South Dildo	Broad Cove Pond	Nov 14, 2022	0.01	LTD	LTD	12.00
South Dildo	South Dildo	Broad Cove Pond	Nov 14, 2022	0.01	LTD	LTD	11.00
St. Lewis	St. Lewis	Tub Harbour Pond	Oct 04, 2022	0.01	LTD	LTD	13.00
St. Shott's	St. Shott's	Unnamed Pond	Nov 03, 2022	0.01	LTD	LTD	4.50
Stoneville	Stoneville	Dog Bay Pond Brook	Dec 13, 2022	0.02	0.18	LTD	11.00
Summerford	Summerford (+Cottlesville)	Rushy Cove Pond	Dec 09, 2022	0.02	LTD	LTD	15.00
Sunnyside (T.B.)	Sunnyside	Center Cove River	Nov 25, 2022	0.01	LTD	LTD	11.00
Terrenceville	Terrenceville	Big Brook	Nov 07, 2022	0.00	0.06	LTD	5.40
Trepassey	Trepassey	Miller's Pond	Nov 03, 2022	0.01	LTD	LTD	13.00

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Twillingate	Twillingate	Wild Cove Pond	Dec 14, 2022	0.01	0.06	LTD	7.30
West Bay	West Bay	Unnamed Brook	Nov 29, 2022	0.09	LTD	LTD	12.00
Whitbourne	Whitbourne	Hodges River	Nov 18, 2022	0.01	LTD	LTD	7.10
Winterton	Winterton	Western Pond	Nov 08, 2022	0.01	LTD	LTD	4.10

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