

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
Admirals Beach	Admiral's Beach	2 Well Fields	Jun 13, 2025	0.13	LTD	LTD	LTD
Admirals Beach	Admiral's Beach	2 Well Fields	Jun 13, 2025	0.26	LTD	LTD	2.70
Admirals Beach	Admiral's Beach	2 Well Fields	Jun 13, 2025	0.11	LTD	LTD	0.77
Admirals Beach	Admiral's Beach	2 Well Fields	Jun 13, 2025	0.11	LTD	LTD	1.20
Appleton	Appleton (+Glenwood)	Gander Lake (The Outflow)	Jun 10, 2025	0.01	0.12	LTD	7.20
Bauline	Bauline	#1 Brook Path Well	May 20, 2025	0.04	LTD	LTD	4.40
Blaketown	Blaketown South	#1 Selby Mercer Well	Jun 12, 2025	0.06	0.75	LTD	0.54
Blaketown	Blaketown	#2 Daphne Pincent Well	Jun 12, 2025	0.09	0.20	LTD	0.92
Blaketown	Blaketown Centre	#3 Fred Osborne Well	Jun 12, 2025	0.06	LTD	LTD	2.00
Blaketown	Blaketown North	#4 Hilda Barrett Well	Jun 12, 2025	0.12	LTD	LTD	LTD
Branch	Branch	Drilled Wells	May 27, 2025	0.25	0.55	LTD	0.55
Brigus South	Forge Hill area	#1 Well Forge Hill	Jun 25, 2025	0.36	LTD	LTD	2.60
Brigus South	Dunphey's Hill area	#2 Well Dunphey's Hill	Jun 25, 2025	0.42	LTD	LTD	0.69
Brigus South	Near highway	#3 Well Main Road	Jun 25, 2025	0.03	0.10	LTD	0.59
Bryant's Cove	Bryant's Cove South Side	#1 Well - Bert James Well #2 Well - Baxter Bowering Well	May 30, 2025	0.07	0.27	LTD	LTD
Cavendish	North Side Cavendish	#1 Well - Max Bishop	Jun 12, 2025	0.18	2.50	LTD	0.71
Cavendish	North Side Cavendish	#2 Well - Tom Critch	Jun 12, 2025	0.17	LTD	LTD	2.90
Chance Cove	Lower Cove	#5B Albert Rowe Well	May 26, 2025	0.42	LTD	LTD	1.80
Chance Cove	Upper Cove	Hollett's Well	May 26, 2025	0.47	0.09	LTD	1.40
Chance Cove	New Housing Area	New Housing Area Well	May 27, 2025	0.53	0.09	LTD	0.65
Chance Cove	Back Cove Area	Olive Smith Well	May 26, 2025	0.54	0.13	LTD	0.53
Clareville	Clareville, Shoal Harbour	Shoal Harbour River	May 27, 2025	0.01	LTD	LTD	7.10
Clarke's Beach	Otterbury	#1 Well - Quinlon Well	May 30, 2025	0.12	LTD	LTD	LTD
Clarke's Beach	Otterbury	#2 Well - Delaney Well	May 30, 2025	0.10	LTD	LTD	LTD
Colliers	Merrigan's Lane + Main Rd	#2 Well - Merrigan's Well	Jun 09, 2025	0.27	0.24	LTD	1.00
Colliers	Harbour Drive & Main Road	#3 Well - Griffin's Well	Jun 09, 2025	0.17	0.29	LTD	1.10
Colliers	Harbour Drive	#4 Well - Flynn's Well	Jun 09, 2025	0.21	0.26	LTD	0.64
Colliers	Harbour Drive	#5 Well - Whalen's Well	Jun 09, 2025	0.12	1.40	LTD	0.60
Conception Harbour	Cemetery Road & Main Road	Cemetery Road Well	May 22, 2025	0.08	0.33	LTD	0.80
Conception Harbour	Healey's Pond Rd, Old Rd & Main Rd	Healey's Pond Road Well	May 22, 2025	0.08	0.11	LTD	LTD
Conception Harbour	Lower Bacon Cove	Lower Bacon Cove Well	May 22, 2025	0.73	0.25	LTD	0.72

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Conception Harbour	Old Road and Coles Crescent	Old Road Well	May 22, 2025	0.24	0.08	0.01	0.59
Conception Harbour	Upper Bacon Cove, Kitchuses	Upper Bacon Cove Well	May 22, 2025	0.34	LTD	LTD	0.90
Fermeuse	Fermeuse	Port Kirwan Road Well	Jun 25, 2025	0.14	0.95	LTD	LTD
Freshwater	Freshwater (Carbonear)	#2 Well - Covage's Lane Well	May 29, 2025	0.04	0.12	LTD	LTD
Freshwater	Freshwater (Carbonear)	#3 Well - Wallace Snow Well	May 29, 2025	0.72	0.27	0.02	LTD
Gaskiers	Gaskiers-Point La Haye - PWDU	Well	Jun 05, 2025	0.12	LTD	LTD	LTD
Georgetown	Georgetown	Drilled	Jun 09, 2025	0.09	0.23	LTD	0.60
Glenwood	Glenwood	Gander Lake (The Outflow)	Jun 10, 2025	0.01	0.12	LTD	7.20
Grates Cove	Grates Cove Centre	#1C Well	Jun 24, 2025	0.09	LTD	LTD	1.10
Grates Cove	Grates Cove North End	#3 Frank Janes Well	Jun 24, 2025	0.06	LTD	LTD	1.80
Grates Cove	Grates Cove South End	#4 Stoyles Hill Well	Jun 24, 2025	0.06	0.23	LTD	0.88
Harbour Grace	Thickett	#1 Thicket Susie Galway Well	May 29, 2025	0.02	0.45	LTD	LTD
Harbour Grace	Thickett	#2 Thicket New Well	May 29, 2025	0.08	0.30	LTD	LTD
Harbour Grace	Riverhead	Mercer's Rd. Well	May 29, 2025	0.04	0.43	LTD	LTD
Harbour Grace	Harbour Grace South Lower	New Southside Well (Well#3)	May 29, 2025	0.10	LTD	LTD	LTD
Harbour Grace	Harbour Grace South Upper	Southside Wellfield (Well #1 & #2)	May 29, 2025	0.08	LTD	LTD	LTD
Harbour Main-Chapel's Cove-Lakeview	Harbour Main, Chapel's Cove, Lakeview	Flynn's Hill Well	May 22, 2025	0.17	0.43	LTD	1.20
Harbour Main-Chapel's Cove-Lakeview	Harbour Main, Chapel's Cove, Lakeview	Holden's Road Well	May 22, 2025	0.09	0.29	0.02	0.66
Holyrood	Holyrood	Main Line	May 20, 2025	0.09	0.09	LTD	1.70
Holyrood	Holyrood	Main Line	May 20, 2025	0.08	0.06	LTD	0.56
Holyrood	Holyrood	Main Line	May 20, 2025	0.49	LTD	LTD	3.20
Holyrood	Holyrood	Main Line	May 20, 2025	0.34	LTD	LTD	4.70
Holyrood	Holyrood	O'Connell's Well	May 20, 2025	0.27	0.32	LTD	1.40
Holyrood	Holyrood	Woodford Station - Healey's Well and Quinlan's Well	May 20, 2025	0.10	LTD	LTD	0.62
Holyrood	Holyrood	Woodford Station - Healey's Well and Quinlan's Well	May 20, 2025	0.21	1.20	LTD	0.75
Hopeall	Hopeall	Charles Cumby Well	Jun 12, 2025	0.07	0.34	LTD	0.81
Hopeall	Gilberts Hill	Gilberts Hill Well	Jun 12, 2025	0.15	0.79	LTD	0.77
Indian Bay	Indian Bay	Indian Bay Brook	Jun 11, 2025	0.01	LTD	LTD	6.40
Lance Cove	Lance Cove	Local Service District Well	Jun 17, 2025	1.40	0.14	LTD	0.57
Makinsons	Turkswater & Hodgewater Line West	Country Path Wells	Jun 09, 2025	0.03	0.07	LTD	0.69
Makinsons	Turkswater & Hodgewater Line West	Country Path Wells	Jun 09, 2025	0.03	0.07	LTD	0.78

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Makinsons	Hodgewater Line East & Juniper Stump	Taylor's Wells	Jun 09, 2025	0.61	0.07	LTD	1.30
Makinsons	Hodgewater Line East & Juniper Stump	Taylor's Wells	Jun 09, 2025	0.45	0.08	LTD	3.10
Marysvalle	Marysvalle, Long Pond	Drilled	Jun 09, 2025	0.02	LTD	LTD	0.89
New Harbour	New Harbour	Williams Hill Well	Jun 12, 2025	0.14	0.07	LTD	0.59
O'Donnells	O'Donnell's	Well Field	Jun 04, 2025	0.06	0.42	LTD	LTD
O'Donnells	O'Donnell's	Well Field	Jun 04, 2025	0.07	0.64	LTD	LTD
O'Donnells	O'Donnell's	Well Field	Jun 04, 2025	0.02	LTD	LTD	LTD
O'Donnells	O'Donnell's	Well Field	Jun 18, 2025	0.10	LTD	LTD	LTD
Port Kirwan	Port Kirwan	Developed Spring	Jun 25, 2025	0.02	0.14	LTD	0.58
Port Kirwan	North Side	Dug Well / Drilled Well	Jun 25, 2025	0.06	0.05	LTD	0.79
Renews-Cappahayden	Cappahayden	#1 Dinn's Well	Jun 25, 2025	0.27	LTD	LTD	0.64
Riverhead	Riverhead (St. Mary's Bay)	Well Field	Jun 05, 2025	0.02	0.35	LTD	1.10
Riverhead	Riverhead (St. Mary's Bay)	Well Field	Jun 05, 2025	0.02	0.22	LTD	0.74
Small Point-Adam's Cove-Blackhead-Broad Cove	Adam's Cove	#1 Well - Reg Bursey Well	Apr 23, 2025	0.33	0.15	LTD	LTD
Small Point-Adam's Cove-Blackhead-Broad Cove	Adam's Cove	#1 Well - Reg Bursey Well	May 13, 2025	0.32	0.34	LTD	LTD
Small Point-Adam's Cove-Blackhead-Broad Cove	Adam's Cove	#1 Well - Reg Bursey Well	May 28, 2025	0.36	0.18	LTD	LTD
Small Point-Adam's Cove-Blackhead-Broad Cove	Broad Cove	#10 Well - Cantwood Hill Well	Jun 24, 2025	0.72	0.16	LTD	0.91
Small Point-Adam's Cove-Blackhead-Broad Cove	Blackhead + Adam's Cove	#4 Well - Leonard King Well	Jun 24, 2025	0.13	0.08	LTD	LTD
Small Point-Adam's Cove-Blackhead-Broad Cove	Broad Cove	#6 Well - Herb Trickett Well	Jun 24, 2025	0.56	0.13	LTD	0.95
Small Point-Adam's Cove-Blackhead-Broad Cove	Small Point	#8 Well - Effie Flight Wells	Jun 24, 2025	0.31	1.70	LTD	0.54
South Dildo	South Dildo	#5 Well - Calvin Reid Well	Jun 12, 2025	0.09	LTD	LTD	0.55
St. Joseph's	St. Joseph's S.M.B.	Drilled	Jun 04, 2025	0.11	LTD	LTD	1.50
St. Mary's	St. Mary's	Wellfield	Jun 05, 2025	0.17	LTD	LTD	1.10
St. Mary's	St. Mary's	Wellfield	Jun 05, 2025	0.02	LTD	LTD	LTD
St. Mary's	St. Mary's	Wellfield	Jun 05, 2025	0.04	LTD	LTD	0.52
St. Mary's	St. Mary's	Wellfield	Jun 05, 2025	0.19	LTD	LTD	0.57
St. Mary's	St. Mary's	Wellfield	Jun 05, 2025	0.15	LTD	LTD	0.53
St. Mary's	St. Mary's	Wellfield	Jun 05, 2025	0.15	LTD	LTD	0.55
St. Mary's	St. Mary's	Wellfield	Jun 05, 2025	0.04	LTD	LTD	0.64
Wabana	Wabana	#4-West Mines Road	Jun 17, 2025	0.37	LTD	LTD	4.50
Wabana	Wabana	Middleton Ave	Jun 17, 2025	0.32	0.05	LTD	2.80
Wabana	Wabana	Mixed Supplies	Jun 17, 2025	0.41	LTD	LTD	6.10

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Wabana	Wabana	Mixed Supplies	Jun 17, 2025	0.64	LTD	LTD	4.00
Wabana	Wabana	Mixed Supplies	Jun 17, 2025	0.40	LTD	LTD	2.50
Wabana	Wabana	Mixed Supplies	Jun 17, 2025	0.63	0.07	LTD	1.00
Wabana	Wabana	Mixed Supplies	Jun 17, 2025	0.44	LTD	LTD	2.80
Wabana	Wabana	Mixed Supplies	Jun 17, 2025	0.41	LTD	LTD	1.80
Wabana	Wabana	Normore Crescent East #1	Jun 17, 2025	0.77	LTD	LTD	3.80
Wabana	Wabana	Scotia #1	Jun 17, 2025	0.34	LTD	LTD	3.70
Wabana	Wabana	St. Edward's Memorial St.	Jun 17, 2025	0.05	LTD	LTD	LTD
West St. Modeste	West St. Modeste	Well Field	Jun 24, 2025	0.07	LTD	LTD	4.20

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