Newfoundland Labrador

Water Resources Management Division

Tap Water Quality for Public Water Supplies in Newfoundland and Labrador
Physical Parameters and Major Ions

Serviced Area(s)	Source Name	Sample Date	Alkalinity	Colour	Conductivity	Hardness	pH	TDS	TSS	Turbidity	Boron	Bromide	Calcium	Chloride	Fluoride	Potassium	Sodium	Sulphate
		Units	mg/L	TCU	µS/cm	mg/L		mg/L	mg/L	NTU	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Guidelines for Canadian Drinking Water Quality			15			6.5 - 8.5	500		1.0	5.0			250	1.5		200	500
	Aesthetic (A) or Contaminant (C) Parameter			A			A	A		C	C			A	C		A	A
Bay Roberts																		
Bay Roberts	Rocky Pond	Mar 13, 2023	2.20	LTD	69.0	8.10	6.19	38		0.35	LTD	LTD	2.10	17	LTD	0.220	9	2
Bay St. George South																		
Highlands	#3 Brian Pumphrey Well Highlands	Mar 07, 2023	160.00	LTD	510.0	110.00	8.13	280		0.10	0.29	LTD	13.00	37	0.250	5.800	59	33
Birchy Bay																		
Birchy Bay	Jumper's Pond	Feb 07, 2023	12.00	36	110.0	19.00	7.02	59		0.26	LTD	LTD	5.90	20	LTD	0.160	15	3
Brent's Cove																		
Brent's Cove	Paddy's Pond	Mar 14, 2023	5.10	220	71.0	13.00	5.93	40		1.40	LTD	LTD	3.20	15	LTD	0.480	8	2
Centreville-Wareham-Trinity																		
Trinity	Southwest Feeder Pond	Feb 22, 2023	4.80	24	45.0	5.60	6.60	25		0.16	LTD	LTD	1.40	11	LTD	0.140	7	1
Change Islands																		
Change Islands - PWDU	#1 Fox Cove Well	Feb 28, 2023	8.50	LTD	38.0	1.20	6.85	21		LTD	0.10	LTD	0.29	7	LTD	0.650	8	LTD
Channel-Port aux Basques																		
Channel-Port Aux Basques	Gull Pond & Wilcox Pond	Feb 08, 2023	5.20	LTD	97.0	31.00	6.93	54		0.24	LTD	LTD	11.00	10	LTD	0.230	6	24
Clarenville																		
Clarenville, Shoal Harbour	Shoal Harbour River	Feb 23, 2023	11.00	LTD	110.0	26.00	7.20	60		0.10	LTD	LTD	9.80	11	LTD	0.160	11	26
Conception Bay South																		
Conception Bay South	Bay Bulls Big Pond	Feb 27, 2023	22.00	LTD	85.0	26.00	7.50	47		0.10	LTD	LTD	9.60	15	LTD	0.220	7	1
Corner Brook																		
Corner Brook (+Massey Drive, +Mount Moriah)	Trout Pond, Third Pond (2 intakes)	Mar 13, 2023	27.00	LTD	91.0	22.00	7.44	51		0.32	LTD	LTD	6.60	11	LTD	0.300	9	4
Deep Bight																		
Deep Bight	Deep Bight River	Mar 07, 2023	6.20	43	260.0	11.00	6.73	140		0.57	LTD	LTD	3.40	69	LTD	0.160	42	2
Ferryland																		
Ferryland	Deep Cove Pond	Jan 17, 2023	4.80	LTD	100.0	8.20	6.77	58		0.14	LTD	LTD	1.90	25	LTD	0.340	17	4
Fleur de Lys																		

Newfoundland Labrador

Water Resources Management Division

Tap Water Quality for Public Water Supplies in Newfoundland and Labrador
Physical Parameters and Major Ions

Serviced Area(s)	Source Name	Sample Date	Alkalinity	Colour	Conductivity	Hardness	pH	TDS	TSS	Turbidity	Boron	Bromide	Calcium	Chloride	Fluoride	Potassium	Sodium	Sulphate
		Units	mg/L	TCU	µS/cm	mg/L		mg/L	mg/L	NTU	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Guidelines for Canadian Drinking Water Quality			15			6.5 - 8.5	500		1.0	5.0			250	1.5		200	500
	Aesthetic (A) or Contaminant (C) Parameter			A			A	A		C	C			A	C		A	A
Fleur de Lys																		
Fleur De Lys	First Pond, Narrow Pond	Mar 08, 2023	9.50	**89**	87.0	14.00	6.50	48		0.89	LTD	LTD	3.60	16	LTD	0.690	11	2
Fox Roost-Margaree																		
Fox Roost-Margaree - PWDU	Drilled Well and Margaree Pond	Feb 08, 2023	LTD	LTD	16.0	LTD	**4.65**	9		LTD	LTD	LTD	LTD	2	LTD	LTD	1	LTD
Freshwater																		
Freshwater (Carbonear)	#3 Well - Wallace Snow Well	Feb 13, 2023	96.00	LTD	560.0	160.00	7.71	310		LTD	LTD	LTD	49.00	100	LTD	1.200	47	31
Gander																		
Gander	Gander Lake	Mar 01, 2023	16.00	15	56.0	5.90	7.10	31		0.31	LTD	LTD	1.40	6	LTD	0.170	11	LTD
Gander Bay South																		
George's Point, Harris Point	Barry's Brook	Mar 01, 2023	8.30	**39**	78.0	16.00	6.58	43		0.25	LTD	LTD	2.90	15	LTD	0.170	10	3
Gander Bay South - PWDU	Barry's Brook	Mar 01, 2023	LTD	LTD	1.8	LTD	**5.97**	LTD		LTD	LTD	LTD	LTD	LTD	LTD	LTD	0	LTD
Georgetown																		
Georgetown	Third Pond	Feb 17, 2023	3.60	8	98.0	9.00	6.54	54		0.15	LTD	LTD	2.10	27	LTD	0.410	15	1
Grand Falls-Windsor																		
Grand Falls-Windsor (+Bishop's Falls, +Wooddale, +Botwood, +Peterview)	Northern Arm Lake	Jan 24, 2023	20.00	LTD	85.0	39.00	**9.62**	47		0.75	LTD	LTD	15.00	5	LTD	0.200	2	15
Grates Cove																		
Grates Cove Centre	#1C Well	Jan 25, 2023	94.00	LTD	230.0	89.00	8.12	130		0.10	LTD	LTD	24.00	17	LTD	0.430	15	3
Happy Valley-Goose Bay																		
Happy Valley-Goose Bay	Spring Gulch	Mar 03, 2023	31.00	LTD	31.0	12.00	7.15	17		0.89	LTD	LTD	2.60	2	LTD	1.300	1	1
Happy Valley-Goose Bay	Well Field (connect summer 2002)	Mar 03, 2023	32.00	LTD	150.0	35.00	7.53	81		0.61	LTD	LTD	6.90	25	LTD	2.400	13	4
Harbour Grace																		
Harbour Grace South Upper	Southside Wellfield (Well #1 & #2)	Jan 20, 2023	2.80	LTD	2,000.0	1,300.00	**6.38**	**1100**		0.33	2.40	LTD	510.00	10	LTD	0.260	8	**1300**
Thickett	#2 Thicket New Well	Mar 13, 2023	70.00	LTD	320.0	110.00	7.92	180		0.30	LTD	LTD	30.00	52	LTD	0.460	18	9
Heart's Content																		

Newfoundland Labrador

Water Resources Management Division

Tap Water Quality for Public Water Supplies in Newfoundland and Labrador
Physical Parameters and Major Ions

Serviced Area(s)	Source Name	Sample Date	Alkalinity	Colour	Conductivity	Hardness	pH	TDS	TSS	Turbidity	Boron	Bromide	Calcium	Chloride	Fluoride	Potassium	Sodium	Sulphate
		Units	mg/L	TCU	µS/cm	mg/L		mg/L	mg/L	NTU	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Guidelines for Canadian Drinking Water Quality			15			6.5 - 8.5	500		1.0	5.0			250	1.5		200	500
	Aesthetic (A) or Contaminant (C) Parameter			A			A	A		C	C			A	C		A	A
Heart's Content																		
Heart's Content	Southern Cove Pond	Jan 31, 2023	3.00	15	46.0	4.50	6.29	26		0.31	LTD	LTD	1.00	11	LTD	0.150	7	1
Humber Arm South																		
Frenchman's Cove Area	Gurges Pond	Jan 31, 2023	16.00	11	74.0	21.00	7.26	41		0.33	LTD	LTD	5.20	10	LTD	0.380	7	5
King's Point																		
King's Point	Bulley's Pond	Feb 14, 2023	2.60	29	30.0	7.20	5.95	17		0.76	LTD	LTD	2.10	6	LTD	0.180	3	1
Labrador City																		
Labrador City	Beverly Lake	Feb 21, 2023	50.00	7	110.0	52.00	7.64	60		0.10	LTD	LTD	13.00	3	LTD	1.400	1	3
Lewisporte																		
Lewisporte	Stanhope Pond	Jan 31, 2023	14.00	42	56.0	16.00	6.85	31		0.37	LTD	LTD	4.60	8	LTD	0.240	5	2
Marystown																		
Marystown	Fox Hill Reservoir / Clam Pond	Feb 27, 2023	16.00	LTD	120.0	9.60	7.47	65		LTD	LTD	LTD	2.80	24	LTD	0.220	20	4
Mount Pearl																		
Mount Pearl	Bay Bulls Big Pond	Feb 28, 2023	20.00	LTD	90.0	25.00	7.29	50		0.15	LTD	LTD	8.90	15	LTD	0.230	8	1
Norris Arm																		
Norris Arm (south)	Mill Lake	Jan 31, 2023	2.70	14	34.0	9.60	6.08	19		0.35	LTD	LTD	2.70	8	LTD	0.280	2	1
Paradise																		
Paradise	Bay Bulls Big Pond	Feb 27, 2023	22.00	LTD	91.0	27.00	7.41	51		0.10	LTD	LTD	9.70	15	LTD	0.220	7	1
Point of Bay																		
Point of Bay	Indian Cove Pond	Jan 25, 2023	17.00	18	76.0	21.00	7.25	42		0.20	LTD	LTD	6.80	11	LTD	0.150	8	2
Port Blandford																		
Port Blandford	Noseworthy's Pond	Feb 23, 2023	13.00	12	160.0	12.00	6.98	87		0.14	LTD	LTD	3.80	44	LTD	0.200	29	2
Port au Choix																		
Port au Choix	Well Field	Mar 02, 2023	150.00	8	390.0	160.00	7.91	220		0.52	LTD	LTD	45.00	28	LTD	0.760	15	3
Port au Port West-Aguathuna-Felix Cove																		

Newfoundland Labrador

Water Resources Management Division

Tap Water Quality for Public Water Supplies in Newfoundland and Labrador
Physical Parameters and Major Ions

Serviced Area(s)	Source Name	Sample Date	Alkalinity	Colour	Conductivity	Hardness	pH	TDS	TSS	Turbidity	Boron	Bromide	Calcium	Chloride	Fluoride	Potassium	Sodium	Sulphate
		Units	mg/L	TCU	µS/cm	mg/L		mg/L	mg/L	NTU	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Guidelines for Canadian Drinking Water Quality			15			6.5 - 8.5	500		1.0	5.0			250	1.5		200	500
	Aesthetic (A) or Contaminant (C) Parameter			A			A	A		C	C			A	C		A	A
Port au Port West-Aguathuna-Felix Cove																		
Port au Port West, Aguathuna	#1 & #3 & #6 FatherJoy's Well	Feb 06, 2023	180.00	7	500.0	210.00	7.97	280		0.10	LTD	LTD	56.00	40	0.220	1.800	23	11
Portugal Cove-St. Phillips																		
Portugal Cove-St. Phillips	Bay Bulls Big Pond	Feb 28, 2023	22.00	LTD	92.0	27.00	7.40	51		0.14	LTD	LTD	9.70	15	LTD	0.230	8	1
Pouch Cove																		
Pouch Cove	North Three Island Pond	Mar 02, 2023	13.00	LTD	70.0	6.00	7.05	39		0.10	LTD	LTD	1.30	13	LTD	0.300	12	LTD
Ramea																		
Ramea	Northwest Pond	Mar 12, 2023	9.80	8	630.0	67.00	7.49	350		1.40	LTD	LTD	12.00	150	LTD	2.800	80	40
Ramea - PWDU	Northwest Pond	Mar 12, 2023	8.90	LTD	450.0	36.00	7.59	250		0.65	LTD	LTD	6.10	120	LTD	2.100	62	8
Reidville																		
Reidville	Humber Canal, Grand Lake	Mar 13, 2023	8.70	15	39.0	12.00	6.91	22		LTD	LTD	LTD	3.80	6	LTD	0.220	3	2
Salvage																		
Salvage	Wild Cove Pond	Mar 07, 2023	5.50	61	160.0	15.00	6.35	91		0.54	LTD	LTD	3.90	41	LTD	0.450	25	5
Small Point-Adam's Cove-Blackhead-Broad Cove																		
Adam's Cove	#1 Well - Reg Bursey Well	Feb 13, 2023	87.00	LTD	250.0	83.00	7.83	140		LTD	LTD	LTD	23.00	18	0.110	0.530	23	18
Broad Cove	#6 Well - Herb Trickett Well	Feb 13, 2023	100.00	LTD	290.0	100.00	7.89	160		LTD	LTD	LTD	30.00	25	LTD	1.100	23	12
Small Point	#8 Well - Effie Flight Wells	Feb 13, 2023	84.00	LTD	290.0	110.00	7.78	160		0.39	LTD	LTD	25.00	34	LTD	0.590	19	10
Small Point	#9 Well - Walter Reynolds Well	Feb 13, 2023	40.00	LTD	170.0	53.00	7.00	94		0.37	LTD	LTD	14.00	23	LTD	0.810	14	6
St. Anthony																		
St. Anthony	St. Anthony Pond	Feb 28, 2023	17.00	34	66.0	24.00	7.04	37		0.32	LTD	LTD	2.40	9	LTD	0.290	3	1
St. John's																		
St. John's (+Mt. Pearl, +Paradise, +Portugal Cove-St. Phillips, +CBS)	Bay Bulls Big Pond	Feb 28, 2023	22.00	LTD	93.0	27.00	7.37	52		0.16	LTD	LTD	9.90	15	LTD	0.230	8	1
St. John's	Windsor Lake	Mar 02, 2023	23.00	LTD	130.0	29.00	7.42	74		LTD	LTD	LTD	10.00	26	LTD	0.350	15	3

Newfoundland Labrador

Water Resources Management Division

Tap Water Quality for Public Water Supplies in Newfoundland and Labrador
Physical Parameters and Major Ions

Serviced Area(s)	Source Name	Sample Date	Alkalinity	Colour	Conductivity	Hardness	pH	TDS	TSS	Turbidity	Boron	Bromide	Calcium	Chloride	Fluoride	Potassium	Sodium	Sulphate
		Units	mg/L	TCU	µS/cm	mg/L		mg/L	mg/L	NTU	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Guidelines for Canadian Drinking Water Quality			15			6.5 - 8.5	500		1.0	5.0			250	1.5		200	500
	Aesthetic (A) or Contaminant (C) Parameter			A			A	A		C	C			A	C		A	A
St. John's																		
St. John's	Petty Harbour Long Pond	Mar 02, 2023	38.00	LTD	110.0	43.00	7.47	61		0.26	LTD	LTD	16.00	11	LTD	0.270	5	1
St. Pauls																		
St. Pauls	Two Mile Pond	Feb 13, 2023	45.00	21	200.0	67.00	7.31	110		0.34	LTD	LTD	21.00	31	LTD	0.790	15	4
Steady Brook																		
Steady Brook	Wellfield + Steady Brook	Feb 01, 2023	9.70	39	55.0	7.10	6.65	30		0.13	LTD	LTD	2.10	12	LTD	0.230	9	2
Stephenville																		
Stephenville	Well Field	Feb 07, 2023	160.00	LTD	380.0	160.00	8.06	210		2.30	LTD	LTD	48.00	18	LTD	0.970	18	8
Stephenville	Well Field	Feb 22, 2023	160.00	LTD	380.0	160.00	8.09	210		LTD	LTD	LTD	46.00	21	LTD	0.940	17	7
Stephenville	Well Field	Feb 22, 2023	160.00	LTD	370.0	160.00	8.00	210		LTD	LTD	LTD	48.00	21	LTD	0.960	18	7
Stephenville	Well Field	Feb 22, 2023	170.00	LTD	380.0	150.00	8.07	210		LTD	LTD	LTD	46.00	18	LTD	0.930	17	6
Sunnyside (T.B.)																		
Sunnyside	Center Cove River	Jan 26, 2023	2.30	35	43.0	6.20	6.40	24		0.32	LTD	LTD	1.70	9	LTD	0.110	8	1
Terrenceville																		
Terrenceville	Big Brook	Feb 27, 2023	2.30	22	54.0	3.60	6.36	30		0.28	LTD	LTD	0.79	13	LTD	0.230	10	1
Wabana																		
Wabana	Mixed Supplies	Mar 07, 2023	140.00	8	420.0	130.00	7.97	230		0.18	LTD	LTD	42.00	38	0.110	1.600	28	17
Wabana	Mixed Supplies	Mar 07, 2023	130.00	LTD	410.0	130.00	8.00	230		0.55	LTD	LTD	43.00	38	0.100	1.500	28	17
Wabana	Mixed Supplies	Mar 07, 2023	130.00	8	400.0	140.00	8.01	220		0.53	LTD	LTD	47.00	44	LTD	1.600	27	21
Wabana - PWDU	#3 Yard West Mines Road	Mar 07, 2023	3.80	LTD	12.0	LTD	6.64	7		LTD	LTD	LTD	0.12	2	LTD	LTD	2	LTD

Water Resources
Management Division

Tap Water Quality for Public Water Supplies in Newfoundland and Labrador
Physical Parameters and Major Ions

Serviced Area(s)	Source Name	Sample Date	Alkalinity	Colour	Conductivity	Hardness	pH	TDS	TSS	Turbidity	Boron	Bromide	Calcium	Chloride	Fluoride	Potassium	Sodium	Sulphate
		Units	mg/L	TCU	µS/cm	mg/L		mg/L	mg/L	NTU	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Guidelines for Canadian Drinking Water Quality			15			6.5 - 8.5	500		1.0	5.0			250	1.5		200	500
	Aesthetic (A) or Contaminant (C) Parameter			A			A	A		C	C			A	C		A	A

Tap water samples are collected semi annually from drinking water faucets of one or more homes, public buildings, or businesses in your community. Tap or treated water quality is monitored to check its compliance with the Guidelines for Canadian Drinking Water Quality (GCDWQ). Tap water quality is also monitored so that water that is being consumed at the tap can be compared with the untreated source water quality. Any variations between source and tap water quality represents the effectiveness of the treatment and disinfection system, and the influences of the distribution system due to plumbing in local homes, public buildings, or businesses. The values for each parameter are as reported by the lab and verified by the department.

Quality Assurance / Quality Control (QA/QC) - The department is striving to improve the quality of the data using standard QA/QC protocols. This is an evolving process which may result in minor changes to the reported data.

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.

The exceedance report for tap 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 GCDWQ.

Aesthetic (A) Parameters - Aesthetic parameters reflect substances or characteristics of drinking water that can affect its acceptance by consumers but which usually do not pose any health effects. Aesthetic exceedances are highlighted in **blue text** and underlined.

Contaminants (C) - 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.

The reported information is for supplies selected for sampling and may not include all public water supplies.

Contaminant and Aesthetic Exceedances

Turbidity - The maximum acceptable concentration for turbidity is 1 NTU. Turbidity refers to the water's ability to transmit light or the cloudiness of the water. Turbidity in tap water can be the result of turbid raw water and influences within the distribution system. Turbidity is usually the result of fine organic and inorganic particles which do not settle out. Increased turbidity of drinking water results in it being less aesthetically pleasing, and may interfere with the disinfection process.

Boron - The interim maximum acceptable concentration for boron in drinking water is 5.0 mg/L. Boron is widespread in the environment, occurring naturally in over 80 minerals and in the earth's crust. Levels in well water have been reported to be more variable and often higher than those in surface waters, most likely due to erosion from natural resources. High levels of this contaminant can cause adverse health effects for some people

Fluoride - The maximum acceptable concentration for fluoride in drinking water is 1.5mg/L.The fluoride concentration in natural water varies widely as it depends on such factors as the source of the water and the geological formations present. Trace amounts of fluoride may be essential for human nutrition and the presence of small quantities leads to a reduction of dental caries. High levels of this contaminant can cause adverse health effects for some people.

Colour - An aesthetic objective of 15 true colour units (TCU) has been established for colour in drinking water. Colour in drinking water may be due to the presence of coloured organic substances or metals such as iron, manganese and copper. Highly coloured industrial wastes also contribute to colour. The presence of colour is not directly linked to health but it can be aesthetically displeasing.

pH -The acceptable range for drinking water pH is 6.5 - 8.5. The control of pH is primarily based on minimizing corrosion and encrustration in the distribution system. Tap water with low pH may accelerate the corrosion process in the distribution system, and contribute to increased levels of copper, lead and possibly other metals. Incrustation and scaling problems may become more frequent above pH 8.5

TDS - The aesthetic objective for TDS in drinking water is 500 mg/L. The term "total dissolved solids"(TDS) refers mainly to the inorganic substances that are dissolved in water. At low levels TDS contributes to the palatability of water. At high levels it may cause excessive hardness, taste, mineral deposition and corrosion.

Chloride - The aesthetic objective for chloride in drinking water is 250 mg/L. Chloride can be in water from a variety of sources, including the dissolution of salt deposits and salting of roads for ice control. No evidence has been found suggesting that ingestion of chloride is harmful to humans. However, high levels of chloride in water can impart undesirable tastes to water and beverages prepared from water.

Sodium - The aesthetic objective for sodium in drinking water is 200 mg/L. Since the body has very effective means to control levels of sodium, sodium is not an acutely toxic element in the normal range of environmental or dietary concentrations. At extremely high dosages it has adverse health effects. Sodium levels may be of interest to authorities who wish to prescribe sodium restricted diets for their patients..

Sulphate - The aesthetic objective for sulphate in drinking water is 500 mg/L. Sulphates, which occur naturally in numerous minerals, are used in the mining and pulping industries and in wood preservation. Large quantities of sulphate can result in catharsis and gastrointestinal irritation. The presence of sulphate above the aesthetic limit can result in noticeable taste. Some sensitive individuals may find the taste objectionable at lower sulphate concentrations

mg/L = milligrams per litre or parts per million µS/cm = micro Siemens per centimeter NTU = nephelometric turbidity units TDS = total dissolved solids TSS = total suspended solids TCU = true colour units Nitrate(ite) = Nitrate + Nitrite DOC = dissolved organic carbon

Notes:
Guidelines for Canadian Drinking Water Quality have not been developed for all the parameters listed in this report.
pH has no units