

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
			mg/L	TCU	µS/cm	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Units				15			6.5 - 8.5	500		1.0	5.0			250	1.5		200	500
Guidelines for Canadian Drinking Water Quality																		
Aesthetic (A) or Contaminant (C) Parameter				A			A	A		C	C			A	C		A	A
Bauline																		
Bauline	#1 Brook Path Well	Feb 08, 2019	59.00	5	365.0	80.00	7.78	237		1.30	LTD	LTD	24.00	70	LTD	LTD	30	9
Bay Roberts																		
Bay Roberts, Spaniard's Bay	Rocky Pond	Mar 06, 2019	LTD	5	79.0	5.00	6.54	51		0.30	LTD	LTD	2.00	17	LTD	LTD	9	2
Bay St. George South																		
Highlands	#3 Brian Pumphrey Well Highlands	Mar 13, 2019	184.00	LTD	504.0	118.00	8.24	328		0.70	0.32	LTD	11.00	37	0.260	7.000	56	31
Birchy Bay																		
Birchy Bay	Jumper's Pond	Feb 26, 2019	17.00	27	104.0	17.00	6.92	68		0.50	LTD	LTD	5.00	16	LTD	LTD	11	1
Bonavista																		
Bonavista	Long Pond	Feb 19, 2019	60.00	10	198.0	LTD	9.23	129		0.30	LTD	LTD	LTD	24	LTD	LTD	39	3
Bryant's Cove																		
Bryant's Cove South Side	#1 Well - Bert James Well #2 Well - Baxter Bowering Well	Mar 06, 2019	73.00	LTD	227.0	81.00	8.00	148		0.50	LTD	LTD	26.00	15	LTD	LTD	9	20
Chance Cove																		
Upper Cove Centre	Angus Brace Well (Backup Supply)	Mar 04, 2019	122.00	LTD	320.0	71.00	8.16	208		0.20	LTD	LTD	25.00	26	LTD	LTD	40	12
Channel-Port aux Basques																		
Channel-Port Aux Basques	Gull Pond & Wilcox Pond	Jan 16, 2019	5.00	LTD	128.0	29.00	7.01	83		0.10	LTD	LTD	10.00	20	LTD	LTD	10	20
Clarenville																		
Clarenville, Shoal Harbour	Shoal Harbour River	Mar 06, 2019	15.00	LTD	128.0	12.00	7.37	83		1.20	LTD	LTD	5.00	15	LTD	LTD	15	18
Conception Bay South																		
Conception Bay South	Bay Bulls Big Pond	Feb 13, 2019	24.00	LTD	102.0	25.00	7.47	66		0.40	LTD	1.82	10.00	18	LTD	LTD	8	2
Conception Harbour																		
Healey's Pond Rd, Old Rd & Main Rd	Healey's Pond Road Well	Feb 06, 2019	63.00	LTD	199.0	38.00	8.25	129		LTD	0.04	LTD	12.00	18	LTD	LTD	22	18
Upper Bacon Cove, Kitchuses	Upper Bacon Cove Well	Feb 06, 2019	135.00	LTD	291.0	88.00	8.14	189		2.20	0.02	LTD	32.00	17	LTD	2.000	20	6
Corner Brook																		



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			mg/L	TCU	µS/cm	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Units				15	6.5 - 8.5	500	1.0	5.0	250	1.5	200	500						
Guidelines for Canadian Drinking Water Quality				A	A	C	C	A	C	A	A							
Aesthetic (A) or Contaminant (C) Parameter				A	A	C	C	A	C	A	A							
Corner Brook																		
Corner Brook (+Massey Drive, +Mount Moriah)	Trout Pond, Third Pond (2 intakes)	Mar 14, 2019	24.00	LTD	96.0	12.00	7.51	62		0.40	LTD	LTD	5.00	13	LTD	LTD	11	3
Fogo Island																		
Joe Batt's Arm-Barr'd Islands-Shoal Bay	Long Pond	Jan 03, 2019	LTD	8	179.0	17.00	<u>4.26</u>	116		0.60	LTD	LTD	2.00	42	LTD	LTD	16	5
Joe Batt's Arm-Barr'd Islands-Shoal Bay	Long Pond	Jan 03, 2019	LTD	<u>27</u>	139.0	17.00	<u>4.83</u>	90		0.70	LTD	LTD	2.00	34	LTD	LTD	16	5
Joe Batt's Arm-Barr'd Islands-Shoal Bay	Long Pond	Jan 29, 2019	LTD	5	234.0	17.00	<u>3.78</u>	152		0.30	LTD	LTD	2.00	45	LTD	LTD	18	4
Joe Batt's Arm-Barr'd Islands-Shoal Bay	Long Pond	Jan 29, 2019	LTD	7	212.0	17.00	<u>3.90</u>	138		0.20	LTD	LTD	2.00	43	LTD	LTD	18	4
Fox Roost-Margaree																		
Fox Roost-Margaree	Drilled Well and Margaree Pond	Jan 16, 2019	LTD	<u>124</u>	99.0	11.00	<u>5.15</u>	64		0.40	LTD	LTD	1.00	24	LTD	LTD	12	4
Freshwater																		
Freshwater (Carbonear)	#3 Well - Wallace Snow Well	Feb 07, 2019	87.00	LTD	513.0	123.00	7.68	333		0.10	0.01	LTD	36.00	102	LTD	1.000	44	31
Gander																		
Gander	Gander Lake	Feb 18, 2019	24.00	15	73.0	LTD	7.43	47		0.30	LTD	LTD	LTD	6	LTD	LTD	13	LTD
Gander Bay South																		
Gander Bay South - PWDU	Barry's Brook	Feb 20, 2019	LTD	LTD	LTD	LTD	<u>6.21</u>	LTD		0.40	LTD	LTD	LTD	LTD	LTD	LTD	LTD	LTD
Grand Bank																		
Grand Bank (Backup Supply)	Grand Bank Brook (Backup Supply)	Mar 12, 2019	LTD	10	85.0	12.00	<u>6.40</u>	55		1.10	LTD	LTD	3.00	19	LTD	LTD	9	3
Grand Falls-Windsor																		
Grand Falls-Windsor (+Bishop's Falls, +Wooddale, +Botwood, +Peterview)	Northern Arm Lake	Feb 21, 2019	14.00	3	83.0	25.00	7.21	54		1.80	LTD	LTD	10.00	5	LTD	LTD	LTD	13
Grates Cove																		
Grates Cove Centre	#1C Well	Feb 05, 2019	106.00	LTD	245.0	84.00	8.18	159		0.20	LTD	LTD	22.00	20	LTD	LTD	15	3
Happy Valley-Goose Bay																		
Happy Valley-Goose Bay	Spring Gulch	Mar 13, 2019	15.00	LTD	40.0	9.00	7.37	26		0.60	LTD	LTD	2.00	2	0.490	1.000	LTD	1

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			Units	mg/L	TCU	µS/cm	mg/L		mg/L	mg/L	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		500		1.0	5.0		250	1.5		200		500
Aesthetic (A) or Contaminant (C) Parameter				A	A		A	A		C	C		A	C		A		A
Happy Valley-Goose Bay																		
Happy Valley-Goose Bay	Well Field (connect summer 2002)	Mar 13, 2019	15.00	LTD	40.0	9.00	7.44	26		0.90	LTD	LTD	2.00	2	0.510	1.000	LTD	LTD
Harbour Grace																		
Harbour Grace South Upper	Southside Wellfield (Well #1 & #2)	Mar 06, 2019	99.00	LTD	231.0	90.00	8.09	150		0.40	LTD	LTD	28.00	12	LTD	LTD	9	9
Thickett	#2 Thicket New Well	Mar 06, 2019	75.00	LTD	302.0	95.00	8.07	196		0.20	LTD	LTD	25.00	45	LTD	LTD	17	8
Isle aux Morts																		
Isle aux Morts	Burnt Ground Pond	Jan 16, 2019	6.00	<u>23</u>	84.0	19.00	7.01	55		0.30	LTD	LTD	6.00	18	LTD	LTD	8	3
Isle aux Morts	Burnt Ground Pond	Jan 16, 2019	6.00	<u>23</u>	84.0	19.00	6.88	55		0.40	LTD	LTD	6.00	18	LTD	LTD	8	3
Isle aux Morts	Burnt Ground Pond	Jan 16, 2019	8.00	<u>24</u>	87.0	15.00	7.12	57		0.30	LTD	LTD	6.00	18	LTD	LTD	8	3
La Poile																		
La Poile	Black Duck Pond	Jan 17, 2019	LTD	<u>84</u>	92.0	13.00	<u>5.89</u>	60		0.50	LTD	LTD	2.00	21	LTD	LTD	11	3
Labrador City																		
Labrador City	Beverly Lake	Feb 13, 2019	53.00	3	112.0	51.00	7.60	73		0.20	LTD	LTD	12.00	3	LTD	1.000	LTD	3
Lewisporte																		
Lewisporte	Stanhope Pond	Jan 16, 2019	11.00	<u>35</u>	64.0	17.00	6.75	42		1.50	LTD	LTD	5.00	10	LTD	LTD	5	2
Marystown																		
Marystown	Fox Hill Reservoir / Clam Pond	Mar 12, 2019	13.00	LTD	117.0	5.00	7.26	76		0.20	LTD	LTD	2.00	23	LTD	LTD	18	3
Mount Pearl																		
Mount Pearl	Bay Bulls Big Pond	Feb 13, 2019	23.00	LTD	101.0	25.00	7.41	66		0.20	LTD	LTD	10.00	18	LTD	LTD	8	2
Newman's Cove																		
Newman's Cove	Heale Pond Brook	Feb 19, 2019	LTD	<u>64</u>	94.0	7.00	<u>5.79</u>	61		1.40	LTD	LTD	1.00	22	LTD	LTD	12	3
Norris Arm																		
Norris Arm (south)	Mill Lake	Jan 30, 2019	LTD	8	43.0	5.00	<u>6.38</u>	28		0.50	LTD	LTD	2.00	10	LTD	LTD	3	1
Paradise																		

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			mg/L	TCU	µS/cm	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			Units			15			6.5 - 8.5	500		1.0	5.0			250	1.5		200	500
Guidelines for Canadian Drinking Water Quality				A			A	A		C	C		A	C		A	A			
Aesthetic (A) or Contaminant (C) Parameter																				
Paradise																				
Paradise	Bay Bulls Big Pond	Feb 13, 2019	25.00	LTD	100.0	25.00	7.50	65		0.20	LTD	LTD	10.00	18	LTD	LTD	8	2		
Petty Harbour-Maddox Cove																				
Petty Harbour-Maddox Cove	Western Barrens Pond	Feb 13, 2019	8.00	<u>16</u>	77.0	LTD	6.86	50		0.30	LTD	LTD	LTD	12	LTD	LTD	10	2		
Port au Choix																				
Port au Choix	Well Field	Mar 08, 2019	165.00	11	403.0	167.00	7.80	262		0.40	LTD	LTD	47.00	34	LTD	1.000	17	4		
Port au Port West-Aguathuna-Felix Cove																				
Port au Port West, Aguathuna	#1 & #3 & #6 FatherJoy's Well	Jan 23, 2019	209.00	LTD	520.0	212.00	8.05	338		0.20	0.03	LTD	62.00	38	0.200	1.000	22	10		
Portugal Cove-St. Phillips																				
Portugal Cove-St. Phillips	Bay Bulls Big Pond	Feb 13, 2019	24.00	LTD	101.0	25.00	7.48	66		0.40	LTD	LTD	10.00	18	LTD	LTD	8	2		
Ramea																				
Ramea	Northwest Pond	Mar 12, 2019	13.00	3	739.0	74.00	7.49	480		2.00	0.04	LTD	13.00	159	LTD	4.000	105	48		
Ramea - PWDU	Northwest Pond	Mar 12, 2019	6.00	LTD	20.0	LTD	7.48	13		1.10	0.02	LTD	LTD	2	LTD	LTD	LTD	LTD		
Random Sound West																				
Queen's Cove	Reservoir	Mar 07, 2019	12.00	4	73.0	7.00	7.02	47		0.30	LTD	LTD	3.00	12	LTD	LTD	8	3		
Reidville																				
Reidville	Humber Canal, Grand Lake	Feb 13, 2019	9.00	<u>16</u>	44.0	7.00	6.90	29		0.20	LTD	LTD	3.00	6	LTD	LTD	4	1		
Small Point-Adam's Cove-Blackhead-Broad Cove																				
Adam's Cove	#1 Well - Reg Bursley Well	Feb 07, 2019	85.00	LTD	246.0	66.00	7.72	160		0.30	0.01	LTD	18.00	22	LTD	LTD	20	16		
Blackhead	#4 Well - Leonard King Well	Feb 07, 2019	95.00	LTD	263.0	90.00	8.13	171		LTD	LTD	LTD	23.00	22	0.150	LTD	12	18		
Broad Cove	#6 Well - Herb Trickett Well	Feb 07, 2019	105.00	LTD	281.0	91.00	8.06	183		0.20	0.01	LTD	25.00	25	0.110	LTD	16	14		
Broad Cove	#7 Well - Gin Badcock Well	Feb 07, 2019	106.00	LTD	284.0	94.00	8.12	185		0.20	0.02	LTD	26.00	25	LTD	2.000	14	14		
Small Point	#8 Well - Effie Flight Wells	Feb 07, 2019	82.00	LTD	311.0	80.00	7.84	202		0.60	LTD	LTD	19.00	48	LTD	LTD	24	10		
Small Point	#9 Well - Walter Reynolds Well	Feb 07, 2019	24.00	LTD	130.0	23.00	6.92	84		0.30	LTD	LTD	6.00	23	LTD	LTD	12	6		

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			mg/L	TCU	µS/cm	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Units				15			6.5 - 8.5	500		1.0	5.0			250	1.5		200	500
Guidelines for Canadian Drinking Water Quality				A			A	A		C	C			A	C		A	A
Aesthetic (A) or Contaminant (C) Parameter																		
St. Anthony																		
St. Anthony	St. Anthony Pond	Mar 07, 2019	24.00	<u>60</u>	70.0	22.00	7.35	46		0.30	LTD	LTD	2.00	6	LTD	LTD	4	1
St. John's																		
St. John's (+Mt. Pearl, +Paradise, +Portugal Cove-St. Phillips, +CBS)	Bay Bulls Big Pond	Feb 13, 2019	24.00	LTD	111.0	25.00	7.51	72		0.20	LTD	LTD	10.00	18	LTD	LTD	8	2
St. John's	Windsor Lake	Feb 28, 2019	22.00	10	140.0	22.00	7.37	91		0.70	LTD	LTD	9.00	27	LTD	LTD	15	3
St. John's	Petty Harbour Long Pond	Feb 28, 2019	40.00	LTD	115.0	38.00	7.69	75		0.20	LTD	LTD	15.00	12	LTD	LTD	5	1
St. Pauls																		
St. Pauls	Two Mile Pond	Mar 04, 2019	68.00	<u>21</u>	280.0	84.00	7.35	182		1.00	0.02	LTD	27.00	42	LTD	LTD	19	6
Steady Brook																		
Steady Brook	Wellfield + Steady Brook	Feb 21, 2019	75.00	5	399.0	133.00	7.88	259		0.60	LTD	LTD	50.00	45	LTD	2,000	18	65
Stephenville																		
Stephenville	Well Field	Jan 23, 2019	179.00	LTD	386.0	159.00	8.19	251		0.20	0.01	LTD	47.00	18	LTD	LTD	17	8
Terrenceville																		
Terrenceville	Big Brook	Mar 13, 2019	LTD	<u>16</u>	62.0	LTD	6.56	40		0.90	LTD	LTD	LTD	13	LTD	LTD	9	1
Wabana																		
Wabana	Mixed Supplies	Feb 28, 2019	150.00	3	411.0	127.00	7.98	267		0.50	0.03	LTD	41.00	39	0.120	2,000	35	14

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		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 Exceedances X.XX

Aesthetic Exceedances [X.XX](#)

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 encrustation 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