

Source 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
Appleton																		
Appleton (+Glenwood)	Gander Lake (The Outflow)	Jun 06, 2023	3.60	<u>52</u>	23.0	6.30	6.57	13		1.60	LTD	LTD	1.40	3	LTD	0.200	2	LTD
Arnold's Cove																		
Arnold's Cove	Steve's Pond (2 Intakes)	Jun 22, 2023	3.60	<u>37</u>	35.0	6.30	6.63	19		0.40	LTD	LTD	1.70	6	LTD	0.180	4	1
Bay Roberts																		
Bay Roberts	Rocky Pond	May 19, 2023	4.10	8	67.0	7.80	<u>6.46</u>	37		0.20	LTD	LTD	2.00	15	LTD	0.200	9	2
Beaches																		
Beaches	Grassey Pond Brook	Jun 01, 2023	9.30	<u>66</u>	37.0	12.00	7.09	21		0.76	LTD	LTD	4.10	3	LTD	0.830	2	1
Beachside																		
Beachside	Long Pond	May 30, 2023	15.00	<u>39</u>	94.0	21.00	7.26	52		0.67	LTD	LTD	6.90	15	LTD	0.120	10	2
Bellevue																		
Bellevue	Big Pond	May 29, 2023	5.20	<u>23</u>	80.0	11.00	6.86	45		0.42	LTD	LTD	2.90	16	LTD	0.270	11	2
Bishop's Falls																		
Bishop's Falls	Northern Arm Lake	May 15, 2023	3.70	<u>38</u>	17.0	5.40	<u>6.35</u>	9		0.49	LTD	LTD	1.60	2	LTD	0.110	1	LTD
Black Duck Cove																		
Black Duck Cove	Long Pond - Black Duck Cove Intake	Jun 12, 2023	73.00	<u>26</u>	190.0	89.00	7.86	110		7.60	LTD	LTD	17.00	11	LTD	0.310	7	1
Botwood																		
Botwood	Northern Arm Lake	May 15, 2023	3.70	<u>38</u>	17.0	5.40	<u>6.35</u>	9		0.49	LTD	LTD	1.60	2	LTD	0.110	1	LTD
Brighton																		
Brighton	Hynes Cove Pond	May 31, 2023	12.00	<u>37</u>	85.0	18.00	7.16	47		0.56	LTD	LTD	5.10	14	LTD	0.270	8	2
Bryant's Cove																		
Bryant's Cove (Backup Supply)	Kelly's Pond (Spider's Pond)	May 19, 2023	LTD	<u>26</u>	29.0	4.20	<u>5.96</u>	16		0.47	LTD	LTD	0.90	6	LTD	0.130	4	1
Buchans																		
Buchans	Buchans Lake aka Sandy Lake	May 23, 2023	2.90	<u>48</u>	15.0	4.30	<u>6.47</u>	8		1.60	LTD	LTD	1.30	1	LTD	0.150	1	LTD
Buchans - PWDU	Buchans Lake aka Sandy Lake	May 23, 2023	2.90	<u>48</u>	15.0	4.30	<u>6.47</u>	8		1.60	LTD	LTD	1.30	1	LTD	0.150	1	LTD

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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	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						
Burgoyne's Cove																				
Burgoyne's Cove	Lower Rocky Pond	Jun 27, 2023	6.20	7	33.0	7.30	6.92	19		0.43	LTD	LTD	2.00	5	LTD	0.170	3	1		
Campbellton																				
Campbellton	Indian Arm Brook	May 30, 2023	4.30	<u>43</u>	33.0	8.50	6.80	18		0.38	LTD	LTD	2.40	5	LTD	0.210	3	1		
Caplin Cove-Southport																				
Southport	Button's Pond	May 19, 2023	4.50	<u>24</u>	57.0	8.60	6.66	32		0.50	LTD	LTD	1.70	11	LTD	0.210	7	2		
Carbonear																				
Carbonear	Island Pond / Flings Long Pond	May 17, 2023	3.20	10	36.0	5.90	6.62	20		0.23	LTD	LTD	1.30	7	LTD	0.160	4	3		
Carmanville																				
Carmanville	Grandfathers Pond	Jun 06, 2023	3.60	13	45.0	7.50	6.62	25		0.38	LTD	LTD	1.10	9	LTD	0.180	6	2		
Cavendish																				
Cavendish	Long Pond	Jun 07, 2023	5.40	<u>16</u>	50.0	6.70	6.75	28		0.41	LTD	LTD	1.30	9	LTD	0.270	6	2		
Centreville-Wareham-Trinity																				
Centreville-Wareham	Northwest Pond	Jun 20, 2023	2.10	<u>48</u>	30.0	5.60	<u>6.32</u>	17		0.63	LTD	LTD	1.30	5	LTD	0.190	3	1		
Trinity	Southwest Feeder Pond	Jun 20, 2023	LTD	<u>58</u>	30.0	4.00	<u>5.87</u>	17		0.57	LTD	LTD	0.79	6	LTD	0.170	4	LTD		
Chanceport																				
Chanceport	Bridger's Cove Pond	May 29, 2023	44.00	<u>100</u>	230.0	39.00	7.38	130		1.80	LTD	LTD	12.00	36	LTD	0.530	30	10		
Clarenville																				
Clarenville, Shoal Harbour	Shoal Harbour River	Jun 14, 2023	4.20	<u>63</u>	28.0	5.10	<u>6.36</u>	16		0.71	LTD	LTD	1.50	5	LTD	0.130	3	1		
Clarke's Beach																				
Clarke's Beach	Clarke's Pond	May 19, 2023	3.80	10	37.0	6.30	6.51	20		0.47	LTD	LTD	1.50	7	LTD	0.190	4	2		
Comfort Cove-Newstead																				
Comfort Cove-Newstead	Steady Cove Pond	May 29, 2023	10.00	<u>42</u>	90.0	21.00	7.05	50		0.56	LTD	LTD	5.00	14	LTD	0.670	9	6		
Deer Lake																				
Deer Lake (+Reidville)	Humber Canal, Grand Lake	Jun 16, 2023	7.10	<u>28</u>	37.0	12.00	7.13	21		0.40	LTD	LTD	3.60	3	LTD	0.240	2	1		

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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
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	C	A	C	A	C	A	C	A
Aesthetic (A) or Contaminant (C) Parameter																		
Embree																		
Embree (+Little Burnt Bay)	Troke's Cove Pond	May 17, 2023	9.00	<u>29</u>	73.0	14.00	6.92	40		0.45	LTD	LTD	3.90	12	LTD	0.290	9	3
Fairbanks-Hillgrade																		
Fairbanks-Hillgrade	Saltine's Pond	May 30, 2023	13.00	<u>34</u>	97.0	21.00	7.11	54		0.49	LTD	LTD	5.20	16	LTD	0.370	10	5
Ferryland																		
Ferryland	Deep Cove Pond	May 23, 2023	2.20	<u>53</u>	52.0	6.50	<u>6.19</u>	29		0.28	LTD	LTD	1.30	11	LTD	0.310	6	2
Flower's Cove																		
Flower's Cove (+Nameless Cove)	French Island Pond	Jun 21, 2023	82.00	<u>23</u>	210.0	94.00	8.07	120		0.69	LTD	1.50	19.00	9	LTD	0.380	5	2
Fogo Island																		
Fogo	Freeman's Pond	Jun 13, 2023	LTD	<u>230</u>	120.0	11.00	<u>5.38</u>	64		1.00	LTD	LTD	1.60	26	LTD	0.510	16	3
Joe Batt's Arm-Barr'd Islands-Shoal Bay	Long Pond	Jun 13, 2023	2.40	<u>110</u>	75.0	6.70	<u>5.65</u>	42		0.66	LTD	LTD	1.00	16	LTD	0.360	11	2
Fogo - PWDU	Freeman's Pond	Jun 13, 2023	LTD	<u>230</u>	120.0	11.00	<u>5.38</u>	64		1.00	LTD	LTD	1.60	26	LTD	0.510	16	3
Fox Cove-Mortier																		
Fox Cove-Mortier	Rock Pond	Jun 14, 2023	6.40	<u>56</u>	62.0	13.00	6.82	34		0.47	LTD	LTD	3.50	11	LTD	0.190	7	2
Gander																		
Gander	Gander Lake	Jun 07, 2023	4.40	<u>47</u>	32.0	7.00	6.63	18		0.22	LTD	LTD	1.80	5	LTD	0.170	3	1
Gander Bay South																		
George's Point, Harris Point	Barry's Brook	Jun 06, 2023	4.40	<u>50</u>	42.0	11.00	6.55	23		0.70	LTD	LTD	1.90	7	LTD	0.130	4	2
Gander Bay South - PWDU	Barry's Brook	Jun 06, 2023	4.40	<u>50</u>	42.0	11.00	6.55	23		0.70	LTD	LTD	1.90	7	LTD	0.130	4	2
Garden Cove																		
Garden Cove	Arch Cove Pond	May 24, 2023	2.60	<u>60</u>	28.0	4.70	<u>6.19</u>	15		0.77	LTD	LTD	1.10	5	LTD	0.160	3	1
Gaskiers																		
Gaskiers-Point La Haye	Big Hare Hill Pond	May 31, 2023	6.40	<u>53</u>	81.0	14.00	6.89	45		0.32	LTD	LTD	2.20	15	LTD	0.570	10	3
Glenburnie-Birchy Head-Shoal 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	mg/L
				Units														
				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
Glenburnie-Birchy Head-Shoal Brook																		
Glenburnie-Birchy Head-Shoal Brook	Croucher's Brook	May 18, 2023	7.00	<u>50</u>	47.0	14.00	6.95	26		0.18	LTD	LTD	2.90	6	LTD	0.260	4	1
Glenwood																		
Glenwood	Gander Lake (The Outflow)	Jun 06, 2023	3.60	<u>52</u>	23.0	6.30	6.57	13		1.60	LTD	LTD	1.40	3	LTD	0.200	2	LTD
Goose Cove East																		
Goose Cove East	Jack's Pond	Jun 21, 2023	14.00	<u>89</u>	66.0	23.00	7.16	37		1.20	LTD	LTD	7.50	8	LTD	0.290	7	3
Grand Falls-Windsor																		
Grand Falls-Windsor (+Bishop's Falls, +Wooddale, +Botwood, +Peterview)	Northern Arm Lake	May 15, 2023	3.70	<u>38</u>	17.0	5.40	<u>6.35</u>	9		0.49	LTD	LTD	1.60	2	LTD	0.110	1	LTD
Great Brehat																		
Great Brehat	Little Steady Pond	Jun 21, 2023	6.20	<u>89</u>	51.0	10.00	6.71	28		0.52	LTD	LTD	2.90	8	LTD	0.180	5	3
Hampden																		
Hampden	Elliot Brook	Jun 01, 2023	25.00	<u>33</u>	62.0	26.00	7.41	35		0.16	LTD	LTD	8.70	3	LTD	0.280	2	2
Hant's Harbour																		
Hant's Harbour	Eastern Pond (Halfway Brook)	Jun 01, 2023	2.80	<u>31</u>	40.0	4.90	<u>6.31</u>	22		0.50	LTD	LTD	0.96	8	LTD	0.160	5	1
Harbour Main-Chapel's Cove-Lakeview																		
Harbour Main, Chapel's Cove, Lakeview	Maloney's River	Jun 06, 2023	8.00	<u>19</u>	83.0	11.00	7.02	46		0.16	LTD	LTD	3.10	17	LTD	0.290	11	2
Heart's Desire																		
Heart's Desire	Terrence Pond	Jun 20, 2023	4.00	13	60.0	7.70	6.90	33		0.37	LTD	LTD	1.80	12	LTD	0.270	8	2
Indian Bay																		
Indian Bay	Indian Bay Brook	Jun 20, 2023	2.20	<u>41</u>	27.0	5.30	<u>6.45</u>	15		0.47	LTD	LTD	1.20	5	LTD	0.140	3	LTD
King's Point																		
King's Point	Bulley's Pond	May 16, 2023	LTD	<u>84</u>	16.0	3.90	<u>5.98</u>	9		0.80	LTD	LTD	0.94	4	LTD	0.250	3	LTD
Lamaline																		
Lamaline	Upper Hodges Pond	Jun 13, 2023	5.90	<u>22</u>	67.0	9.60	6.95	38		0.77	LTD	LTD	2.50	12	LTD	0.230	7	2

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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	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	C	C	A	C	A	C	A	A						
Lamaline																			
Lamaline - PWDU	Upper Hodges Pond	Jun 13, 2023	5.90	<u>22</u>	67.0	9.60	6.95	38		0.77	LTD	LTD	2.50	12	LTD	0.230	7	2	
Lawn																			
Lawn	Brazil Pond	Jun 13, 2023	2.30	<u>43</u>	45.0	6.10	<u>6.41</u>	25		0.60	LTD	LTD	1.50	9	LTD	0.140	5	1	
Lawn - PWDU	Brazil Pond	Jun 13, 2023	2.30	<u>43</u>	45.0	6.10	<u>6.41</u>	25		0.60	LTD	LTD	1.50	9	LTD	0.140	5	1	
Little Bay																			
Little Bay	First Pond	May 16, 2023	17.00	<u>26</u>	58.0	21.00	7.38	32		0.11	LTD	LTD	7.10	5	LTD	LTD	3	2	
Little Burnt Bay																			
Little Burnt Bay	Troke's Cove Pond	May 17, 2023	9.00	<u>29</u>	73.0	14.00	6.92	40		0.45	LTD	LTD	3.90	12	LTD	0.290	9	3	
Little Harbour East																			
Little Harbour East (Placentia Bay)	Unnamed Pond	May 29, 2023	5.70	<u>39</u>	53.0	11.00	6.86	29		0.40	LTD	LTD	3.00	9	LTD	0.210	6	2	
Main Brook																			
Main Brook	Joe Burt's Pond	Jun 20, 2023	32.00	<u>25</u>	91.0	37.00	7.74	51		0.74	LTD	LTD	11.00	4	LTD	0.200	2	LTD	
Mainland																			
Mainland	Cointres Brook (Backup Supply)	Jun 15, 2023	130.00	14	360.0	150.00	8.33	200		0.51	LTD	LTD	46.00	21	LTD	0.600	12	5	
Meadows																			
Meadows, Summerside West	Meaters Pond	Jun 28, 2023	13.00	<u>16</u>	62.0	16.00	7.26	35		1.60	LTD	LTD	4.80	8	LTD	0.280	5	2	
Merritt's Harbour																			
Merritt's Harbour	Jimmy's Pond	May 30, 2023	9.70	<u>65</u>	180.0	26.00	6.99	99		1.10	LTD	LTD	5.70	40	LTD	0.530	24	6	
Middle Arm																			
Middle Arm	Dam Pond Brook	Jun 07, 2023	2.50	<u>120</u>	17.0	5.30	<u>6.00</u>	10		0.91	LTD	LTD	1.60	2	LTD	0.140	2	LTD	
Miles Cove																			
Miles Cove	Paddock's Pond	May 30, 2023	8.10	<u>37</u>	47.0	14.00	7.07	26		0.14	LTD	LTD	4.30	6	LTD	0.110	4	1	
Millertown																			
Millertown	Water Pond	May 23, 2023	5.80	<u>37</u>	20.0	7.50	6.82	11		0.77	LTD	LTD	2.50	2	LTD	LTD	1	LTD	

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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																		
Milltown-Head of Bay D'Espoir																		
Milltown, Head of Bay D'Espoir	Jersey Pond	May 23, 2023	14.00	<u>42</u>	43.0	14.00	7.09	24		0.70	LTD	LTD	3.60	4	LTD	0.190	3	5
Ming's Bight																		
Ming's Bight	Middle Brook Pond	Jun 29, 2023	14.00	<u>23</u>	52.0	16.00	7.27	29		0.41	LTD	LTD	4.60	6	LTD	0.120	4	LTD
Morrisville																		
Morrisville	Morrisville Pond	May 23, 2023	12.00	<u>39</u>	56.0	16.00	7.23	31		1.90	LTD	LTD	4.60	7	LTD	0.190	4	3
Nameless Cove																		
Nameless Cove / Flower Cove	French Island Pond	Jun 21, 2023	82.00	<u>23</u>	210.0	94.00	8.07	120		0.69	LTD	1.50	19.00	9	LTD	0.380	5	2
New Chelsea-New Melbourne-Brownsdale-Sibley's Cove-I																		
Sibley's Cove, Lead Cove	Sibley's Cove Pond	May 30, 2023	2.20	15	45.0	4.80	<u>6.22</u>	25		0.21	LTD	LTD	0.90	10	LTD	0.160	6	2
Norris Arm																		
Norris Arm (south)	Mill Lake	May 17, 2023	8.00	<u>28</u>	33.0	9.40	7.00	18		0.30	LTD	LTD	2.50	3	LTD	0.310	3	1
Northern Arm																		
Northern Arm	Northern Arm Lake	May 15, 2023	3.70	<u>38</u>	17.0	5.40	<u>6.35</u>	9		0.49	LTD	LTD	1.60	2	LTD	0.110	1	LTD
Old Perican																		
Old Perican	Bell Pond	May 30, 2023	LTD	<u>18</u>	67.0	4.60	<u>5.86</u>	37		0.67	LTD	LTD	0.72	16	LTD	0.270	9	2
Pacquet																		
Pacquet	Big Brook	Jun 29, 2023	LTD	<u>180</u>	20.0	2.50	<u>5.64</u>	11		1.10	LTD	LTD	0.47	3	LTD	0.220	3	LTD
Pacquet - PWDU	Big Brook	Jun 29, 2023	LTD	<u>180</u>	20.0	2.50	<u>5.64</u>	11		1.10	LTD	LTD	0.47	3	LTD	0.220	3	LTD
Pasadena																		
Pasadena	Blue Gulch Pond	Jun 30, 2023	13.00	<u>36</u>	44.0	16.00	7.27	25		0.67	LTD	LTD	5.30	4	LTD	0.200	3	LTD
Peterview																		
Peterview	Northern Arm Lake	May 15, 2023	3.70	<u>38</u>	17.0	5.40	<u>6.35</u>	9		0.49	LTD	LTD	1.60	2	LTD	0.110	1	LTD
Petit Forte																		
Petit Forte	Reddy's Pond	Jun 12, 2023	LTD	<u>61</u>	57.0	6.40	<u>5.99</u>	31		0.47	LTD	LTD	1.00	12	LTD	0.340	8	2

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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		1.0	5.0			250	1.5		200	500
Aesthetic (A) or Contaminant (C) Parameter				A			A	A		C	C			A	C		A	A
Placentia																		
Placentia, Jersey side, SE Placentia	Larkins Pond	Jun 08, 2023	11.00	<u>26</u>	120.0	19.00	7.25	64		0.46	LTD	LTD	5.40	21	LTD	0.340	13	3
Pollards Point																		
Pollards Point, Country Cove	Country Cove Pond	May 31, 2023	22.00	<u>20</u>	98.0	24.00	7.34	54		0.33	LTD	LTD	8.10	14	LTD	0.350	10	1
Pollards Point East	George Ricks Pond	Jun 01, 2023	5.50	<u>41</u>	27.0	7.30	6.80	15		0.29	LTD	LTD	2.30	3	LTD	0.310	2	LTD
Pool's Cove																		
Pool's Cove	Widgeon Pond	May 24, 2023	14.00	<u>20</u>	61.0	16.00	7.20	34		0.68	LTD	LTD	4.00	9	LTD	0.330	5	2
Port au Choix																		
Port au Choix	Winterhouse Pond	Jun 22, 2023	130.00	9	320.0	140.00	8.16	180		0.64	LTD	LTD	39.00	18	LTD	0.630	12	3
Port au Choix - PWDU	Winterhouse Pond	Jun 22, 2023	130.00	9	320.0	140.00	8.16	180		0.64	LTD	LTD	39.00	18	LTD	0.630	12	3
Portugal Cove South																		
Portugal Cove South	Wrights Brook	May 31, 2023	4.50	<u>37</u>	49.0	8.50	6.57	27		LTD	LTD	LTD	1.80	9	LTD	0.280	6	2
Pynn's Brook																		
Pynn's Brook	Pynn's Brook	Jun 28, 2023	40.00	<u>42</u>	110.0	44.00	7.75	59		0.53	LTD	LTD	15.00	4	LTD	0.250	4	3
Ramea																		
Ramea	Northwest Pond	Jun 13, 2023	2.30	<u>160</u>	490.0	45.00	<u>5.95</u>	270		0.66	LTD	LTD	4.10	130	LTD	2.600	73	16
Ramea - PWDU	Northwest Pond	Jun 13, 2023	2.30	<u>160</u>	490.0	45.00	<u>5.95</u>	270		0.66	LTD	LTD	4.10	130	LTD	2.600	73	16
Random Sound West																		
Queen's Cove	Reservoir	May 24, 2023	6.10	<u>88</u>	33.0	8.40	6.71	18		0.56	LTD	LTD	2.50	4	LTD	0.150	3	1
Reidville																		
Reidville	Humber Canal, Grand Lake	Jun 16, 2023	7.10	<u>28</u>	37.0	12.00	7.13	21		0.40	LTD	LTD	3.60	3	LTD	0.240	2	1
River of Ponds																		
River of Ponds	Burnt Head Ponds	Jun 22, 2023	60.00	7	170.0	65.00	7.95	92		0.65	LTD	3.00	17.00	11	LTD	0.300	6	2
Rushoon																		

Source 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	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	C	A	C	A	C	A	C	A
Aesthetic (A) or Contaminant (C) Parameter																		
Rushoon																		
Rushoon	Big Pond Brook	Jun 15, 2023	2.10	<u>46</u>	41.0	5.80	<u>6.45</u>	23		0.45	LTD	LTD	1.50	8	LTD	0.170	5	2
Salmon Cove																		
Salmon Cove	Rocky Pond	May 17, 2023	3.10	12	37.0	4.40	<u>6.39</u>	21		0.23	LTD	LTD	1.00	8	LTD	0.150	5	2
Sheaves Cove																		
Sheaves Cove	Unnamed Brook	Jun 14, 2023	130.00	<u>26</u>	290.0	130.00	8.25	160		0.14	LTD	LTD	40.00	11	LTD	0.390	7	4
Shoe Cove																		
Shoe Cove	Second Pond	Jun 29, 2023	3.20	<u>39</u>	40.0	8.30	6.56	22		0.80	LTD	LTD	2.10	8	LTD	0.230	6	LTD
Sop's Arm																		
Sop's Arm	Little Tickle Pond	May 31, 2023	9.20	<u>57</u>	35.0	12.00	7.00	19		0.38	LTD	LTD	3.30	3	LTD	0.260	2	LTD
South Brook																		
South Brook	Next to Brook	May 30, 2023	40.00	LTD	180.0	51.00	7.53	99		0.10	LTD	LTD	16.00	23	LTD	0.800	12	5
Spaniard's Bay																		
Spaniard's Bay (+Upper Island Cove, + Bryant's Cove)	Kelly's Pond (Spider's Pond)	May 19, 2023	LTD	<u>26</u>	29.0	4.20	<u>5.96</u>	16		0.47	LTD	LTD	0.90	6	LTD	0.130	4	1
St. Judes																		
St. Judes	Uncle Arthur Brook	Jun 30, 2023	29.00	<u>47</u>	88.0	32.00	7.57	49		0.97	LTD	LTD	9.30	4	LTD	0.220	6	2
St. Judes	Chute Brook	Jun 30, 2023	28.00	<u>24</u>	74.0	29.00	7.58	41		0.65	LTD	LTD	9.30	4	LTD	0.300	4	LTD
St. Lawrence																		
St. Lawrence	St. Lawrence River	Jun 14, 2023	2.10	<u>41</u>	31.0	4.20	<u>6.45</u>	17		0.57	LTD	LTD	1.00	6	LTD	0.170	4	LTD
St. Lawrence - PWDU	St. Lawrence River	Jun 14, 2023	2.10	<u>41</u>	31.0	4.20	<u>6.45</u>	17		0.57	LTD	LTD	1.00	6	LTD	0.170	4	LTD
St. Lunaire-Griquet																		
St. Lunaire-Griquet	Joe's Pond	Jun 21, 2023	17.00	<u>100</u>	90.0	30.00	7.42	50		3.30	LTD	LTD	9.10	10	LTD	0.370	7	2
Gunners Cove	Lookout Brook	Jun 21, 2023	16.00	<u>100</u>	81.0	21.00	7.21	45		1.20	LTD	LTD	6.50	10	LTD	0.280	7	2
St. Lunaire-Griquet	Joe's Pond	Jun 21, 2023	17.00	<u>100</u>	90.0	30.00	7.42	50		3.30	LTD	LTD	9.10	10	LTD	0.370	7	2

Source 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	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. Pauls																		
St. Pauls	Two Mile Pond	Jun 23, 2023	60.00	<u>25</u>	240.0	76.00	7.95	130		1.10	LTD	LTD	24.00	24	LTD	0.700	14	7
Steady Brook																		
Steady Brook	Wellfield + Steady Brook	Jun 30, 2023	3.50	<u>85</u>	22.0	6.20	<u>6.47</u>	12		1.50	LTD	LTD	1.80	3	LTD	0.230	2	LTD
Straitsview																		
Straitsview	Saddle Hill Pond	Jun 21, 2023	15.00	<u>90</u>	98.0	19.00	7.14	54		1.30	LTD	LTD	5.30	16	LTD	0.400	10	5
Thornlea																		
Thornlea	Big Bakeapple Pond	Jun 05, 2023	LTD	<u>42</u>	46.0	5.60	<u>6.09</u>	26		0.70	LTD	LTD	1.00	9	LTD	0.210	6	1
Tizzard's Harbour																		
Tizzard's Harbour	Rocky Pond	May 29, 2023	3.40	<u>83</u>	85.0	12.00	<u>6.19</u>	47		0.56	LTD	LTD	1.90	18	LTD	0.290	12	2
Torbay																		
Torbay	North Pond	May 16, 2023	2.50	11	59.0	6.50	<u>6.38</u>	33		0.32	LTD	LTD	1.30	14	LTD	0.320	8	2
Trinity Bay North																		
Little Catalina	Whirl Pond	Jun 22, 2023	LTD	<u>76</u>	34.0	3.50	<u>6.02</u>	19		0.94	LTD	LTD	0.63	6	LTD	0.150	5	1
Melrose	Whirl Pond	Jun 22, 2023	LTD	<u>76</u>	34.0	3.50	<u>6.02</u>	19		0.94	LTD	LTD	0.63	6	LTD	0.150	5	1
Port Union, Catalina (+Little Catalina)	Whirl Pond	Jun 22, 2023	LTD	<u>76</u>	34.0	3.50	<u>6.02</u>	19		0.94	LTD	LTD	0.63	6	LTD	0.150	5	1
Triton																		
Triton, Jim's Cove, Card's Harbour	Triton Pond	May 31, 2023	27.00	<u>48</u>	170.0	34.00	7.40	92		0.30	LTD	LTD	10.00	29	LTD	0.410	18	2
Upper Island Cove																		
Upper Island Cove	Kelly's Pond (Spider's Pond)	May 19, 2023	LTD	<u>26</u>	29.0	4.20	<u>5.96</u>	16		0.47	LTD	LTD	0.90	6	LTD	0.130	4	1
Victoria																		
Victoria (+Salmon Cove)	Rocky Pond	May 17, 2023	3.10	12	37.0	4.40	<u>6.39</u>	21		0.23	LTD	LTD	1.00	8	LTD	0.150	5	2
Whiteway																		
Whiteway (+Cavendish)	Long Pond	Jun 07, 2023	5.40	<u>16</u>	50.0	6.70	6.75	28		0.41	LTD	LTD	1.30	9	LTD	0.270	6	2

Source 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				A			A	A		C	C		A	C			A	A
Aesthetic (A) or Contaminant (C) Parameter																		
Whiteway																		
Whiteway - PWDU	Long Pond	Jun 07, 2023	5.40	<u>16</u>	50.0	6.70	6.75	28		0.41	LTD	LTD	1.30	9	LTD	0.270	6	2
Wooddale																		
Wooddale	Northern Arm Lake	May 15, 2023	3.70	<u>38</u>	17.0	5.40	<u>6.35</u>	9		0.49	LTD	LTD	1.60	2	LTD	0.110	1	LTD
Woody Point																		
Woody Point	Winterhouse Brook	May 18, 2023	37.00	<u>44</u>	84.0	31.00	7.56	47		0.38	LTD	LTD	1.80	8	LTD	0.160	5	2

Source 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		<u>A</u>			<u>A</u>	<u>A</u>		<u>C</u>	<u>C</u>			<u>A</u>	<u>C</u>		<u>A</u>	<u>A</u>

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.

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 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

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 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