

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	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	C	A	A	A	A				
Beaches																				
Beaches	Grassey Pond Brook	Nov 29, 2017	13.00	<u>54</u>	35.0	13.00	7.04	21		0.65	LTD	LTD	4.00	3	LTD	0.760	2	LTD		
Beachside																				
Beachside	Long Pond	Dec 04, 2017	18.00	<u>35</u>	71.0	20.00	7.15	42		0.20	LTD	LTD	6.50	13	LTD	0.110	8	LTD		
Bird Cove																				
Bird Cove (+Brig Bay)	Inner Gilmour Pond	Nov 20, 2017	88.00	<u>63</u>	180.0	83.00	7.88	97		0.63	LTD	LTD	17.00	10	LTD	0.440	6	LTD		
Bishop's Falls																				
Bishop's Falls	Northern Arm Lake	Dec 15, 2017	8.00	<u>27</u>	19.0	6.50	6.60	13		0.42	LTD	LTD	1.90	2	LTD	0.140	1	LTD		
Bonavista																				
Bonavista	Long Pond	Nov 15, 2017	7.80	<u>42</u>	57.0	6.00	6.54	30		0.93	LTD	LTD	1.20	13	LTD	0.220	8	LTD		
Botwood																				
Botwood	Northern Arm Lake	Dec 15, 2017	8.00	<u>27</u>	19.0	6.50	6.60	13		0.42	LTD	LTD	1.90	2	LTD	0.140	1	LTD		
Brig Bay																				
Brig Bay	Inner Gilmour Pond	Nov 20, 2017	88.00	<u>63</u>	180.0	83.00	7.88	97		0.63	LTD	LTD	17.00	10	LTD	0.440	6	LTD		
Brighton																				
Brighton	Hynes Cove Pond	Nov 24, 2017	23.00	<u>35</u>	63.0	21.00	7.20	34		0.60	LTD	LTD	6.30	7	LTD	0.240	5	LTD		
Bryant's Cove																				
Bryant's Cove (Backup Supply)	Kelly's Pond (Spider's Pond)	Nov 15, 2017	5.50	<u>16</u>	28.0	4.40	<u>6.41</u>	16		0.27	LTD	LTD	0.99	5	LTD	0.160	4	LTD		
Buchans																				
Buchans	Buchans Lake aka Sandy Lake	Nov 06, 2017	8.60	<u>29</u>	20.0	7.20	6.68	15		2.70	LTD	LTD	2.20	2	LTD	0.190	2	LTD		
Buchans - PWDU	Buchans Lake aka Sandy Lake	Nov 06, 2017	8.60	<u>29</u>	20.0	7.20	6.68	15		2.70	LTD	LTD	2.20	2	LTD	0.190	2	LTD		
Burgoyne's Cove																				
Burgoyne's Cove	Lower Rocky Pond	Nov 16, 2017	9.60	6	34.0	7.70	6.85	18		0.56	LTD	LTD	2.00	5	LTD	0.240	3	LTD		
Cape Freels North																				
Cape Freels North	Long Pond	Dec 12, 2017	LTD	<u>220</u>	70.0	6.30	<u>5.76</u>	33		1.40	LTD	LTD	0.76	18	LTD	0.430	10	LTD		

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																		
Cartwright																		
Cartwright	Burdett's Pond	Oct 12, 2017	LTD	<u>150</u>	24.0	3.20	<u>6.10</u>	10		0.72	LTD	LTD	0.59	4	LTD	0.130	2	LTD
Cartwright - PWDU	Burdett's Pond	Oct 12, 2017	LTD	<u>150</u>	24.0	3.20	<u>6.10</u>	10		0.72	LTD	LTD	0.59	4	LTD	0.130	2	LTD
Centreville-Wareham-Trinity																		
Centreville-Wareham	Northwest Pond	Dec 13, 2017	LTD	<u>27</u>	26.0	5.10	6.56	11		0.28	LTD	LTD	1.20	4	LTD	0.170	3	LTD
Chanceport																		
Chanceport	Bridger's Cove Pond	Dec 06, 2017	29.00	<u>110</u>	120.0	29.00	7.09	64		2.50	LTD	LTD	7.80	19	LTD	0.420	14	LTD
Clarenville																		
Clarenville, Shoal Harbour	Shoal Harbour River	Nov 15, 2017	8.20	<u>35</u>	43.0	8.20	6.69	25		1.00	LTD	LTD	2.40	8	LTD	0.130	5	LTD
Clarke's Beach																		
Clarke's Beach	Clarke's Pond	Nov 15, 2017	7.70	12	36.0	6.40	6.64	20		0.30	LTD	LTD	1.50	7	LTD	0.190	4	LTD
Comfort Cove-Newstead																		
Comfort Cove-Newstead	Steady Cove Pond	Dec 05, 2017	20.00	<u>26</u>	67.0	18.00	7.18	39		0.81	LTD	LTD	4.40	11	LTD	0.530	7	LTD
Deer Lake																		
Deer Lake (+Reidville)	Humber Canal, Grand Lake	Dec 07, 2017	13.00	<u>22</u>	37.0	13.00	7.13	22		0.16	LTD	LTD	3.90	3	LTD	0.240	2	LTD
Dildo																		
Dildo, Broad Cove (+South Dildo)	Broad Cove Pond	Dec 07, 2017	LTD	<u>41</u>	33.0	5.90	6.64	16		0.63	LTD	LTD	1.20	7	LTD	0.220	4	LTD
Embree																		
Embree (+Little Burnt Bay)	Troke's Cove Pond	Nov 03, 2017	14.00	14	70.0	13.00	7.00	37		0.60	LTD	LTD	3.80	13	LTD	0.330	8	LTD
Fairbanks-Hillgrade																		
Fairbanks-Hillgrade	Saltine's Pond	Dec 13, 2017	16.00	<u>36</u>	70.0	17.00	6.95	39		0.43	LTD	LTD	4.50	13	LTD	0.300	8	LTD
Ferryland																		
Ferryland	Deep Cove Pond	Nov 01, 2017	5.30	<u>72</u>	46.0	7.00	<u>6.42</u>	26		0.43	LTD	LTD	1.60	10	LTD	0.360	7	LTD
Fleur de Lys																		
Fleur De Lys	First Pond, Narrow Pond	Nov 28, 2017	14.00	<u>61</u>	58.0	15.00	6.74	31		1.50	LTD	LTD	4.30	9	LTD	0.730	6	LTD

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	mg/L	mg/L
			Guidelines for Canadian Drinking Water Quality Aesthetic (A) or Contaminant (C) Parameter	15	6.5 - 8.5	500	1.0	5.0	250	1.5	200	500	A	C	A	C	A	A		
Flower's Cove																				
Flower's Cove (+Nameless Cove)	French Island Pond	Nov 08, 2017	100.00	<u>27</u>	200.0	96.00	7.90	110		1.20	LTD	LTD	20.00	8	LTD	0.460	6	LTD		
Fogo Island																				
Fogo	Freeman's Pond	Nov 01, 2017	LTD	<u>140</u>	73.0	7.40	<u>6.16</u>	36		1.00	LTD	LTD	1.30	18	LTD	0.500	10	LTD		
Fox Roost-Margaree																				
Fox Roost-Margaree	Drilled Well and Margaree Pond	Dec 12, 2017	LTD	<u>160</u>	67.0	8.30	<u>5.77</u>	30		0.75	LTD	LTD	1.20	16	LTD	0.480	8	LTD		
Fox Roost-Margaree - PWDU	Drilled Well and Margaree Pond	Dec 12, 2017	LTD	<u>160</u>	67.0	8.30	<u>5.77</u>	30		0.75	LTD	LTD	1.20	16	LTD	0.480	8	LTD		
Garden Cove																				
Garden Cove	Arch Cove Pond	Dec 06, 2017	LTD	<u>60</u>	25.0	5.10	<u>6.31</u>	12		0.40	LTD	LTD	1.30	5	LTD	0.160	3	LTD		
Gaskiers																				
Gaskiers-Point La Haye	Big Hare Hill Pond	Nov 02, 2017	12.00	<u>100</u>	77.0	14.00	6.82	39		0.70	LTD	LTD	2.40	15	LTD	0.600	9	LTD		
Gillams																				
Gillams	Meaters Pond	Nov 15, 2017	18.00	12	62.0	18.00	7.15	33		0.70	LTD	LTD	5.30	9	LTD	0.280	5	LTD		
Glovertown																				
Glovertown	Northwest Pond	Nov 28, 2017	7.00	<u>46</u>	25.0	5.40	6.66	17		0.30	LTD	LTD	1.50	5	LTD	0.190	3	LTD		
Goose Cove East																				
Goose Cove East	Jack's Pond	Nov 07, 2017	30.00	<u>57</u>	83.0	27.00	7.33	47		0.96	LTD	LTD	8.50	9	LTD	0.320	8	LTD		
Grand Falls-Windsor																				
Grand Falls-Windsor (+Bishop's Falls, +Wooddale, +Botwood, +Peterview)	Northern Arm Lake	Dec 15, 2017	8.00	<u>27</u>	19.0	6.50	6.60	13		0.42	LTD	LTD	1.90	2	LTD	0.140	1	LTD		
Great Brehat																				
Great Brehat	Little Steady Pond	Nov 07, 2017	9.20	<u>100</u>	69.0	16.00	6.63	32		0.93	LTD	LTD	4.40	12	LTD	0.380	7	LTD		
Greenspond																				
Greenspond	Shambler's Cove Pond	Dec 13, 2017	LTD	<u>80</u>	74.0	5.70	<u>5.97</u>	34		0.29	LTD	LTD	1.30	19	LTD	0.260	11	LTD		
Hant's Harbour																				

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	NTU	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	A	A	C	C	A	C	A	C	A	A	A		
Aesthetic (A) or Contaminant (C) Parameter																			
Hant's Harbour																			
Hant's Harbour	Eastern Pond (Halfway Brook)	Dec 04, 2017	LTD	<u>19</u>	35.0	5.00	<u>6.41</u>	17		0.20	LTD	LTD	1.10	8	LTD	0.160	5	LTD	
Harbour Main-Chapel's Cove-Lakeview																			
Harbour Main, Chapel's Cove, Lakeview	Maloney's River	Nov 22, 2017	11.00	<u>18</u>	74.0	11.00	6.76	40		0.27	LTD	LTD	3.10	17	LTD	0.300	10	LTD	
Heart's Content																			
Heart's Content	Southern Cove Pond	Dec 04, 2017	LTD	<u>16</u>	33.0	4.20	<u>6.44</u>	16		0.22	LTD	LTD	0.92	8	LTD	0.160	4	LTD	
Indian Bay																			
Indian Bay	Indian Bay Brook	Dec 13, 2017	LTD	<u>23</u>	21.0	4.70	<u>6.39</u>	9		0.41	LTD	LTD	1.00	3	LTD	0.160	2	LTD	
King's Point																			
King's Point	Bulley's Pond	Dec 14, 2017	5.50	<u>71</u>	19.0	5.10	<u>6.19</u>	15		1.10	LTD	LTD	1.40	3	LTD	0.150	2	LTD	
Lawn																			
Lawn	Brazil Pond	Nov 07, 2017	6.00	<u>70</u>	38.0	6.90	<u>6.43</u>	22		1.10	LTD	LTD	1.70	8	LTD	0.230	5	LTD	
Lawn - PWDU	Brazil Pond	Nov 07, 2017	6.00	<u>70</u>	38.0	6.90	<u>6.43</u>	22		1.10	LTD	LTD	1.70	8	LTD	0.230	5	LTD	
Little Bay																			
Little Bay	First Pond	Dec 04, 2017	35.00	6	72.0	33.00	7.45	47		0.12	LTD	LTD	11.00	4	LTD	LTD	3	2	
Little Burnt Bay																			
Little Burnt Bay	Troke's Cove Pond	Nov 03, 2017	14.00	14	70.0	13.00	7.00	37		0.60	LTD	LTD	3.80	13	LTD	0.330	8	LTD	
Little St. Lawrence																			
Little St. Lawrence	Butler's Brook (2 Intakes)	Nov 07, 2017	LTD	<u>140</u>	51.0	8.10	<u>5.95</u>	25		2.10	LTD	LTD	1.60	12	LTD	0.580	6	LTD	
Long Harbour-Mount Arlington Heights																			
Long Harbour-Mount Arlington Heights	Shingle Pond and/or Trout Pond (2 Intakes)	Dec 11, 2017	LTD	<u>60</u>	43.0	6.90	<u>6.21</u>	23		0.65	LTD	LTD	1.80	10	LTD	0.150	6	LTD	
Loon Bay																			
Loon Bay	Southeast Pond	Dec 06, 2017	12.00	14	36.0	12.00	6.90	19		0.35	LTD	LTD	3.50	4	LTD	0.170	3	LTD	
Lumsden																			
Lumsden	Gull Pond	Dec 12, 2017	LTD	<u>160</u>	42.0	4.90	<u>5.81</u>	23		2.90	LTD	LTD	0.73	11	LTD	0.220	6	LTD	

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	mg/L	mg/L
			Guidelines for Canadian Drinking Water Quality Aesthetic (A) or Contaminant (C) Parameter	15	6.5 - 8.5	500	1.0	5.0	250	1.5	200	500	A	C	A	C	A	A		
Main Brook																				
Main Brook	Joe Burt's Pond	Nov 07, 2017	47.00	<u>20</u>	96.0	45.00	7.58	52		1.50	LTD	LTD	13.00	5	LTD	0.390	3	LTD		
Makkovik																				
Makkovik	Ranger Bight Pond	Oct 11, 2017	5.90	<u>45</u>	23.0	5.70	6.53	14		1.20	LTD	LTD	1.60	4	0.150	0.150	2	LTD		
Makkovik - PWDU	Ranger Bight Pond	Oct 11, 2017	5.90	<u>45</u>	23.0	5.70	6.53	14		1.20	LTD	LTD	1.60	4	0.150	0.150	2	LTD		
Meadows																				
Meadows, Summerside West	Meaters Pond	Nov 16, 2017	17.00	<u>16</u>	64.0	18.00	7.19	32		0.52	LTD	LTD	5.30	9	LTD	0.270	5	LTD		
Middle Arm																				
Middle Arm	Dam Pond Brook	Nov 28, 2017	6.50	<u>40</u>	23.0	6.90	6.65	16		0.27	LTD	LTD	2.20	4	LTD	LTD	2	LTD		
Miles Cove																				
Miles Cove	Paddock's Pond	Nov 24, 2017	14.00	<u>20</u>	42.0	14.00	6.99	40		0.14	LTD	LTD	4.20	5	LTD	LTD	3	17		
Millertown																				
Millertown	Water Pond	Nov 06, 2017	13.00	<u>29</u>	28.0	12.00	6.95	16		1.20	LTD	LTD	3.80	2	LTD	LTD	1	LTD		
Morrisville																				
Morrisville	Morrisville Pond	Dec 12, 2017	17.00	<u>37</u>	59.0	18.00	6.96	33		0.37	LTD	LTD	5.20	8	LTD	0.200	5	2		
Musgrave Harbour																				
Musgrave Harbour	Rocky Pond	Dec 12, 2017	LTD	<u>130</u>	40.0	6.70	<u>6.15</u>	19		1.70	LTD	LTD	1.20	8	LTD	0.240	5	LTD		
Nameless Cove																				
Nameless Cove / Flower Cove	French Island Pond	Nov 08, 2017	100.00	<u>27</u>	200.0	96.00	7.90	110		1.20	LTD	LTD	20.00	8	LTD	0.460	6	LTD		
Natuashish																				
Natuashish (Sango Bay)	Sango Brook and Wellfield	Oct 10, 2017	11.00	14	48.0	8.60	7.08	28		0.64	LTD	LTD	2.20	8	0.240	0.450	6	LTD		
New Perlican																				
New Perlican	New Perlican River	Dec 04, 2017	LTD	<u>30</u>	36.0	6.20	<u>6.31</u>	18		0.40	LTD	LTD	1.50	8	LTD	0.190	5	LTD		
Norman's Cove-Long Cove																				
Norman's Cove-Long Cove	John Newhooks Pond	Nov 29, 2017	6.20	<u>20</u>	35.0	5.50	6.55	20		0.28	LTD	LTD	1.30	8	LTD	LTD	4	LTD		

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	C	C	A	C	A	A							
Aesthetic (A) or Contaminant (C) Parameter																		
Northern Arm																		
Northern Arm	Northern Arm Lake	Dec 15, 2017	8.00	<u>27</u>	19.0	6.50	6.60	13		0.42	LTD	LTD	1.90	2	LTD	0.140	1	LTD
Pasadena																		
Pasadena	Blue Gulch Pond	Nov 22, 2017	20.00	13	54.0	20.00	7.33	28		0.40	LTD	LTD	6.50	4	LTD	0.240	3	LTD
Peterview																		
Peterview	Northern Arm Lake	Dec 15, 2017	8.00	<u>27</u>	19.0	6.50	6.60	13		0.42	LTD	LTD	1.90	2	LTD	0.140	1	LTD
Petit Forte																		
Petit Forte	Reddy's Pond	Nov 08, 2017	LTD	<u>79</u>	51.0	5.90	<u>5.94</u>	24		0.45	LTD	LTD	0.98	13	LTD	0.250	7	LTD
Petty Harbour-Maddox Cove																		
Petty Harbour-Maddox Cove	Western Barrens Pond	Nov 17, 2017	LTD	<u>23</u>	29.0	2.60	<u>6.18</u>	13		0.46	LTD	LTD	0.37	7	LTD	0.190	4	LTD
Placentia																		
Freshwater, Argentia site	Clarks Pond	Nov 23, 2017	19.00	<u>41</u>	100.0	21.00	6.95	53		0.39	LTD	LTD	6.20	19	LTD	0.340	11	LTD
Pollards Point																		
Pollards Point, Country Cove	Country Cove Pond	Dec 13, 2017	24.00	<u>17</u>	110.0	26.00	7.21	56		0.36	LTD	LTD	8.70	18	LTD	0.410	9	2
Pool's Cove																		
Pool's Cove	Widgeon Pond	Dec 12, 2017	14.00	<u>61</u>	47.0	14.00	6.73	28		0.78	LTD	LTD	3.50	6	LTD	0.350	4	LTD
Port au Choix																		
Port au Choix	Winterhouse Pond	Nov 21, 2017	120.00	15	300.0	130.00	8.05	160		1.20	LTD	LTD	38.00	20	LTD	0.670	12	2
Port au Choix - PWDU	Winterhouse Pond	Nov 21, 2017	120.00	15	300.0	130.00	8.05	160		1.20	LTD	LTD	38.00	20	LTD	0.670	12	2
Portugal Cove South																		
Portugal Cove South	Wrights Brook	Nov 02, 2017	10.00	<u>16</u>	52.0	9.20	6.82	31		0.22	LTD	LTD	2.10	9	LTD	0.260	6	LTD
Postville																		
Postville	Big Pond	Oct 11, 2017	7.00	<u>44</u>	23.0	5.50	7.12	14		0.29	LTD	LTD	1.50	3	LTD	0.260	2	LTD
Postville - PWDU	Big Pond	Oct 11, 2017	7.00	<u>44</u>	23.0	5.50	7.12	14		0.29	LTD	LTD	1.50	3	LTD	0.260	2	LTD
Pynn's Brook																		

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															
				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	mg/L
				15	6.5 - 8.5	500	1.0	5.0	250	1.5	200	500							
				A	A	A	C	C	A	C	A	A							
Pynn's Brook																			
Pynn's Brook	Pynn's Brook	Dec 07, 2017	53.00	<u>18</u>	120.0	54.00	7.55	77		0.56	LTD	LTD	18.00	7	LTD	0.340	4	6	
Ramea																			
Ramea	Northwest Pond	Nov 29, 2017	5.60	<u>54</u>	1,900.0	180.00	<u>5.92</u>	<u>1000</u>		12.00	0.14	LTD	14.00	<u>570</u>	LTD	11.000	<u>300</u>	60	
Ramea - PWDU	Northwest Pond	Nov 29, 2017	5.60	<u>54</u>	1,900.0	180.00	<u>5.92</u>	<u>1000</u>		12.00	0.14	LTD	14.00	<u>570</u>	LTD	11.000	<u>300</u>	60	
Reidville																			
Reidville	Humber Canal, Grand Lake	Dec 07, 2017	13.00	<u>22</u>	37.0	13.00	7.13	22		0.16	LTD	LTD	3.90	3	LTD	0.240	2	LTD	
Rigolet																			
Rigolet	Rigolet Pond	Oct 11, 2017	6.40	<u>110</u>	21.0	7.00	6.53	15		0.81	LTD	LTD	2.00	2	LTD	LTD	2	LTD	
Rigolet - PWDU	Rigolet Pond	Oct 11, 2017	6.40	<u>110</u>	21.0	7.00	6.53	15		0.81	LTD	LTD	2.00	2	LTD	LTD	2	LTD	
Rushoon																			
Rushoon	Big Pond Brook	Nov 08, 2017	6.10	<u>74</u>	32.0	6.00	6.58	17		0.29	LTD	LTD	1.60	6	LTD	LTD	4	LTD	
Sheaves Cove																			
Sheaves Cove	Unnamed Brook	Dec 12, 2017	140.00	<u>23</u>	310.0	140.00	7.80	160		0.29	LTD	LTD	45.00	14	LTD	0.400	7	2	
Sop's Arm																			
Sop's Arm	Little Tickle Pond	Nov 16, 2017	11.00	<u>63</u>	34.0	12.00	6.78	21		0.45	LTD	LTD	3.40	4	LTD	0.270	2	LTD	
South Brook																			
South Brook	Next to Brook	Nov 14, 2017	11.00	<u>33</u>	35.0	12.00	7.02	23		0.24	LTD	LTD	3.80	4	LTD	0.170	3	LTD	
South Dildo																			
South Dildo	Broad Cove Pond	Dec 07, 2017	LTD	<u>41</u>	33.0	5.90	6.64	16		0.63	LTD	LTD	1.20	7	LTD	0.220	4	LTD	
Spaniard's Bay																			
Spaniard's Bay (+Upper Island Cove, + Bryant's Cove)	Kelly's Pond (Spider's Pond)	Nov 15, 2017	5.50	<u>16</u>	28.0	4.40	<u>6.41</u>	16		0.27	LTD	LTD	0.99	5	LTD	0.160	4	LTD	
St. Judes																			
St. Judes	Uncle Arthur Brook	Dec 07, 2017	32.00	<u>19</u>	97.0	34.00	7.38	60		0.25	LTD	LTD	10.00	8	LTD	0.220	6	8	

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	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
			Guidelines for Canadian Drinking Water Quality Aesthetic (A) or Contaminant (C) Parameter			15		6.5 - 8.5	500		1.0	5.0			250	1.5		200	
			A			A	A		C	C			A	C		A		A	
St. Lawrence																			
St. Lawrence	St. Lawrence River	Nov 07, 2017	LTD	<u>160</u>	40.0	5.90	<u>5.77</u>	20		0.99	LTD	LTD	1.20	9	LTD	0.370	5	LTD	
St. Lawrence - PWDU	St. Lawrence River	Nov 07, 2017	LTD	<u>160</u>	40.0	5.90	<u>5.77</u>	20		0.99	LTD	LTD	1.20	9	LTD	0.370	5	LTD	
St. Lunaire-Griquet																			
St. Lunaire-Griquet	Joe's Pond	Nov 07, 2017	16.00	<u>160</u>	76.0	23.00	6.85	39		1.10	LTD	LTD	6.30	12	LTD	0.380	7	LTD	
Gunners Cove	Lookout Brook	Nov 07, 2017	19.00	<u>170</u>	84.0	24.00	6.90	45		0.81	LTD	LTD	7.40	14	LTD	0.410	8	LTD	
St. Pauls																			
St. Pauls	Two Mile Pond	Nov 28, 2017	74.00	<u>57</u>	200.0	73.00	7.86	110		0.74	LTD	LTD	24.00	21	LTD	0.890	12	3	
Trinity																			
Trinity, T.B.	Indian Pond	Nov 14, 2017	LTD	<u>35</u>	34.0	2.70	<u>6.43</u>	15		0.20	LTD	LTD	0.43	7	LTD	0.110	5	LTD	
Trinity Bay North																			
Little Catalina	Whirl Pond	Nov 14, 2017	5.00	<u>52</u>	41.0	5.60	<u>6.25</u>	22		1.10	LTD	LTD	1.10	9	LTD	0.290	5	LTD	
Melrose	Whirl Pond	Nov 14, 2017	5.00	<u>52</u>	41.0	5.60	<u>6.25</u>	22		1.10	LTD	LTD	1.10	9	LTD	0.290	5	LTD	
Port Union, Catalina (+Little Catalina)	Whirl Pond	Nov 14, 2017	5.00	<u>52</u>	41.0	5.60	<u>6.25</u>	22		1.10	LTD	LTD	1.10	9	LTD	0.290	5	LTD	
Upper Island Cove																			
Upper Island Cove	Kelly's Pond (Spider's Pond)	Nov 15, 2017	5.50	<u>16</u>	28.0	4.40	<u>6.41</u>	16		0.27	LTD	LTD	0.99	5	LTD	0.160	4	LTD	
Wabush																			
Wabush	Wahnahnish Lake	Oct 24, 2017	40.00	15	72.0	37.00	7.48	41		0.39	LTD	LTD	8.60	LTD	LTD	0.900	1	LTD	
Whitbourne																			
Whitbourne	Hodges River	Dec 11, 2017	6.20	<u>43</u>	62.0	8.60	6.63	32		1.60	LTD	LTD	2.00	15	LTD	0.330	9	LTD	
Winterton																			
Winterton	Western Pond	Dec 04, 2017	LTD	<u>18</u>	36.0	6.00	6.63	17		0.26	LTD	LTD	1.40	8	LTD	0.170	5	LTD	
Wooddale																			
Wooddale	Northern Arm Lake	Dec 15, 2017	8.00	<u>27</u>	19.0	6.50	6.60	13		0.42	LTD	LTD	1.90	2	LTD	0.140	1	LTD	

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	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							250	1.5			200	500
Aesthetic (A) or Contaminant (C) Parameter				A	A		A	A		C	C		A	C			A	A
Woody Point																		
Woody Point	Winterhouse Brook	Nov 15, 2017	55.00	12	120.0	52.00	7.70	70		0.15	LTD	LTD	3.70	10	LTD	0.220	6	LTD

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			A			A	A		C	C			A	C		A	A

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 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