

## 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
<b>Anchor Point</b>																		
Anchor Point	Well Cove Brook	Nov 02, 2022	110.00	<u>24</u>	260.0	130.00	8.12	140		0.83	LTD	LTD	26.00	9	LTD	0.440	7	1
<b>Aquaforte</b>																		
Aquaforte	Davies Pond	Dec 01, 2022	LTD	<u>97</u>	40.0	5.30	<u>5.44</u>	22		<span style="border: 1px solid black; padding: 2px;">2.80</span>	LTD	LTD	0.94	9	LTD	0.370	6	2
<b>Baie Verte</b>																		
Baie Verte	Southern Arm Pond	Nov 23, 2022	3.80	<u>41</u>	24.0	6.80	6.70	13		0.17	LTD	LTD	1.80	3	LTD	0.280	2	LTD
<b>Baine Harbour</b>																		
Baine Harbour	Baine Harbour Pond	Nov 09, 2022	2.30	<u>120</u>	41.0	8.10	<u>6.32</u>	23		1.00	LTD	LTD	2.20	8	LTD	0.310	6	2
<b>Bay L'Argent</b>																		
Bay L'Argent	Sugarloaf Hill Pond	Nov 07, 2022	LTD	<u>64</u>	41.0	7.10	<u>6.09</u>	23		0.29	LTD	LTD	1.60	9	LTD	0.360	6	1
<b>Belleoram</b>																		
Belleoram	Rabbits Pond	Nov 23, 2022	LTD	<u>140</u>	44.0	4.70	<u>5.57</u>	24		0.80	LTD	LTD	0.73	9	LTD	0.380	7	2
<b>Black Tickle-Domino</b>																		
Black Tickle-Domino - Outside Tap	Martin's Pond - Tap at Pumphouse	Nov 03, 2022	LTD	<u>130</u>	62.0	13.00	<u>6.08</u>	34		<span style="border: 1px solid black; padding: 2px;">180.00</span>	LTD	LTD	1.90	14	LTD	0.550	9	2
Black Tickle-Domino - PWDU	Martin's Pond - Tap at Pumphouse	Nov 03, 2022	LTD	<u>130</u>	62.0	13.00	<u>6.08</u>	34		<span style="border: 1px solid black; padding: 2px;">180.00</span>	LTD	LTD	1.90	14	LTD	0.550	9	2
<b>Bonavista</b>																		
Bonavista	Long Pond	Nov 29, 2022	LTD	<u>29</u>	79.0	8.70	<u>6.26</u>	44		0.47	LTD	LTD	1.50	20	LTD	0.360	13	3
<b>Burin</b>																		
Burin (+Lewin's Cove)	Big Pond	Nov 09, 2022	5.10	<u>31</u>	57.0	13.00	6.97	32		0.65	LTD	LTD	3.40	10	LTD	0.280	7	2
Burin	Long Pond	Nov 09, 2022	4.80	<u>25</u>	50.0	9.70	6.90	28		0.67	LTD	LTD	2.40	10	LTD	0.220	6	2
Port au Bras	Gripe Cove Pond	Nov 09, 2022	13.00	<u>36</u>	72.0	17.00	7.40	40		<span style="border: 1px solid black; padding: 2px;">1.40</span>	LTD	LTD	5.10	12	LTD	0.320	9	2
<b>Burnt Islands</b>																		
Burnt Islands	Long Lake	Nov 30, 2022	LTD	<u>85</u>	48.0	5.20	<u>4.71</u>	27		0.61	LTD	LTD	0.75	11	LTD	0.340	7	2
Burnt Islands - PWDU	Long Lake	Nov 30, 2022	LTD	<u>85</u>	48.0	5.20	<u>4.71</u>	27		0.61	LTD	LTD	0.75	11	LTD	0.340	7	2

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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																		
<b>Cape Freels North</b>																		
Cape Freels North	Long Pond	Nov 08, 2022	LTD	<u>180</u>	99.0	8.90	<u>5.79</u>	55		<span style="border: 1px solid black; padding: 2px;">6.30</span>	LTD	LTD	0.98	24	LTD	0.710	15	3
<b>Castor River North</b>																		
Castor River North	Long Pond (same as Bartletts Harbour)	Nov 03, 2022	86.00	<u>19</u>	260.0	110.00	8.11	150		0.82	LTD	2.10	25.00	20	LTD	0.510	13	3
<b>Castor River South</b>																		
Castor River South	Unnamed	Nov 03, 2022	210.00	8	490.0	260.00	8.06	270		0.22	LTD	LTD	64.00	11	LTD	0.990	9	3
<b>Change Islands</b>																		
Change Islands fill up station	#1 Fox Cove Well	Nov 07, 2022	240.00	<u>52</u>	800.0	190.00	7.92	450		0.36	0.10	LTD	47.00	97	LTD	10.000	97	15
Change Islands - PWDU	#1 Fox Cove Well	Nov 07, 2022	240.00	<u>52</u>	800.0	190.00	7.92	450		0.36	0.10	LTD	47.00	97	LTD	10.000	97	15
<b>Channel-Port aux Basques</b>																		
Channel-Port Aux Basques	Gull Pond & Wilcox Pond	Nov 30, 2022	LTD	<u>91</u>	81.0	9.70	<u>4.81</u>	45		0.79	LTD	LTD	1.30	19	LTD	0.510	10	3
<b>Clarenville</b>																		
Clarenville, Shoal Harbour	Shoal Harbour River	Nov 29, 2022	LTD	<u>61</u>	33.0	6.20	<u>6.30</u>	18		<span style="border: 1px solid black; padding: 2px;">1.30</span>	LTD	LTD	1.80	7	LTD	0.160	4	1
<b>Colliers</b>																		
Colliers	Bedlam Pond	Dec 08, 2022	2.90	<u>26</u>	33.0	4.90	6.54	18		0.42	LTD	LTD	1.00	7	LTD	0.300	5	1
<b>Cook's Harbour</b>																		
Cook's Harbour	Unnamed Pond	Nov 02, 2022	95.00	<u>18</u>	320.0	120.00	8.17	180		<span style="border: 1px solid black; padding: 2px;">1.40</span>	LTD	LTD	39.00	32	LTD	0.730	20	3
<b>Cottlesville</b>																		
Cottlesville	Rushy Cove Pond	Dec 09, 2022	22.00	<u>100</u>	100.0	35.00	7.21	57		0.26	LTD	LTD	11.00	16	LTD	0.210	9	4
<b>Cottrell's Cove</b>																		
Cottrell's Cove	Cottrell's Pond	Nov 29, 2022	34.00	12	130.0	55.00	7.93	73		0.62	LTD	LTD	18.00	12	LTD	0.270	8	2
<b>Cox's Cove</b>																		
Cox's Cove	Cox's Brook	Nov 10, 2022	14.00	<u>28</u>	64.0	22.00	6.90	36		0.95	LTD	LTD	6.50	8	LTD	0.260	5	2
<b>Dildo</b>																		
Dildo, Broad Cove (+South Dildo)	Broad Cove Pond	Nov 14, 2022	3.80	<u>77</u>	34.0	6.80	6.61	19		0.60	LTD	LTD	1.50	7	LTD	0.270	5	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
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						
<b>Dildo</b>																		
Dildo, Broad Cove (+South Dildo)	Broad Cove Pond	Nov 14, 2022	2.90	<u>73</u>	34.0	6.50	6.63	19		0.55	LTD	LTD	1.30	7	LTD	0.280	5	LTD
<b>Eddies Cove West</b>																		
Eddies Cove West	Unnamed	Nov 03, 2022	100.00	<u>69</u>	250.0	120.00	8.05	140		0.72	LTD	LTD	31.00	11	LTD	0.600	8	2
<b>Fermeuse</b>																		
Fermeuse, Kingman's	Merrymeeting Pond, Bear Cove Pond (2 intakes)	Dec 01, 2022	2.30	<u>31</u>	48.0	7.20	6.66	26		0.30	LTD	LTD	1.40	10	LTD	0.270	7	2
<b>Ferryland</b>																		
Ferryland	Deep Cove Pond	Dec 01, 2022	2.10	<u>73</u>	48.0	6.90	<u>6.23</u>	27		0.91	LTD	LTD	1.50	10	LTD	0.330	7	2
<b>Fogo Island</b>																		
Tilting	Sandy Cove Pond	Nov 30, 2022	12.00	<u>170</u>	250.0	63.00	7.15	140		<span style="border: 1px solid black; padding: 2px;">4.10</span>	LTD	LTD	17.00	49	LTD	1.800	23	17
<b>Forteau</b>																		
Forteau	Trout Brook	Oct 04, 2022	120.00	<u>27</u>	280.0	150.00	8.17	160		0.47	LTD	LTD	43.00	4	LTD	0.430	3	2
<b>Francois</b>																		
Francois	Our Pond	Nov 15, 2022	LTD	<u>73</u>	30.0	4.00	<u>5.84</u>	17		0.33	LTD	LTD	0.78	7	LTD	0.260	5	1
<b>Gallants</b>																		
Gallants	Gallant's Brook	Dec 13, 2022	160.00	LTD	330.0	190.00	8.26	180		LTD	LTD	LTD	50.00	6	LTD	0.330	4	3
<b>Gambo</b>																		
Gambo	Dark Cove Pond	Nov 08, 2022	11.00	7	83.0	9.80	7.11	46		<span style="border: 1px solid black; padding: 2px;">1.10</span>	LTD	LTD	3.10	18	LTD	0.260	13	2
<b>Garnish</b>																		
Garnish	Witchazel Pond	Nov 08, 2022	4.30	<u>34</u>	59.0	9.70	6.80	33		0.37	LTD	LTD	2.20	13	LTD	0.350	8	2
<b>Gaultois</b>																		
Gaultois	Piccaire Pond	Nov 28, 2022	LTD	<u>340</u>	56.0	6.20	<u>4.62</u>	31		1.00	LTD	LTD	1.00	10	LTD	0.330	8	2
Gaultois - PWDU	Piccaire Pond	Nov 28, 2022	LTD	<u>340</u>	56.0	6.20	<u>4.62</u>	31		1.00	LTD	LTD	1.00	10	LTD	0.330	8	2
<b>Glovertown</b>																		
Glovertown	Northwest Pond	Nov 28, 2022	3.80	<u>49</u>	25.0	5.90	6.61	14		0.68	LTD	LTD	1.70	4	LTD	0.240	3	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	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				A	A	A	C	C	A	C	A	A						
<b>Goobies</b>																		
Goobies	Water Pond	Nov 30, 2022	2.80	<u>79</u>	23.0	5.80	<u>5.99</u>	13		0.29	LTD	LTD	1.70	5	LTD	0.140	3	LTD
<b>Grand Bank</b>																		
Grand Bank (Backup Supply)	Grand Bank Brook (Backup Supply)	Nov 08, 2022	8.50	<u>41</u>	61.0	14.00	7.17	34		0.91	LTD	LTD	4.10	12	LTD	0.320	8	1
<b>Green Island Brook</b>																		
Green Island Brook	Green Island Brook	Nov 02, 2022	78.00	13	190.0	93.00	8.16	100		0.44	LTD	LTD	19.00	6	LTD	0.310	4	1
<b>Greenspond</b>																		
Greenspond	Shambler's Cove Pond	Nov 08, 2022	LTD	<u>63</u>	79.0	7.00	<u>6.21</u>	44		<span style="border: 1px solid black; padding: 2px;">32.00</span>	LTD	LTD	1.50	20	LTD	0.330	13	3
<b>Harbour Breton</b>																		
Harbour Breton	Connaigra Pond, Hutchings Pond	Nov 23, 2022	15.00	<u>56</u>	76.0	17.00	7.27	42		0.37	LTD	LTD	5.30	13	LTD	0.270	9	2
<b>Hawke's Bay</b>																		
Hawke's Bay	Torrent River	Nov 08, 2022	20.00	<u>54</u>	59.0	22.00	6.69	33		<span style="border: 1px solid black; padding: 2px;">1.40</span>	LTD	LTD	5.70	5	LTD	0.310	4	2
<b>Heart's Content</b>																		
Heart's Content	Southern Cove Pond	Nov 08, 2022	2.00	12	34.0	4.60	<u>6.40</u>	19		0.17	LTD	LTD	1.00	8	LTD	0.170	5	1
<b>Herring Neck</b>																		
Herring Neck, Hatchet Harbour, Salt Harbour, Shoal Cove, Sunnyside	Gut Pond	Dec 14, 2022	20.00	14	290.0	40.00	7.29	160		0.31	LTD	LTD	11.00	65	LTD	0.600	34	17
<b>Indian Bay</b>																		
Indian Bay	Indian Bay Brook	Nov 08, 2022	3.60	<u>25</u>	26.0	5.60	6.61	15		0.24	LTD	LTD	1.10	5	LTD	0.210	3	1
<b>Irishtown-Summerside</b>																		
Irishtown	Irishtown Brook	Nov 10, 2022	33.00	<u>29</u>	99.0	41.00	7.53	55		0.31	LTD	LTD	11.00	9	LTD	0.270	6	2
Summerside	Pynn's Pond	Nov 10, 2022	7.20	<u>39</u>	39.0	10.00	<u>6.28</u>	22		0.56	LTD	LTD	2.70	6	LTD	0.240	4	2
<b>Isle aux Morts</b>																		
Isle aux Morts	Burnt Ground Pond	Nov 30, 2022	LTD	<u>60</u>	69.0	7.60	<u>4.66</u>	38		0.54	LTD	LTD	1.10	16	LTD	0.360	9	3
Isle aux Morts - PWDU	Burnt Ground Pond	Nov 30, 2022	LTD	<u>60</u>	69.0	7.60	<u>4.66</u>	38		0.54	LTD	LTD	1.10	16	LTD	0.360	9	3

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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	C	C	A	C	A	A							
<b>Jackson's Arm</b>																		
Jackson's Arm	Unnamed Brook	Nov 01, 2022	8.40	<u>41</u>	26.0	8.80	6.97	15		0.49	LTD	LTD	2.50	2	LTD	0.280	2	LTD
Jackson's Arm - PWDU	Unnamed Brook	Nov 01, 2022	8.40	<u>41</u>	26.0	8.80	6.97	15		0.49	LTD	LTD	2.50	2	LTD	0.280	2	LTD
<b>L'Anse au Clair</b>																		
L'Anse au Clair	Park Pond	Oct 04, 2022	85.00	6	220.0	110.00	8.11	120		0.51	LTD	LTD	33.00	4	LTD	0.360	3	2
<b>La Poile</b>																		
La Poile	Black Duck Pond	Dec 20, 2022	LTD	<u>100</u>	55.0	6.20	<u>5.62</u>	31		1.00	LTD	LTD	1.00	12	LTD	0.300	7	3
<b>Leading Tickles</b>																		
Leading Tickles	Cook's Pond	Nov 29, 2022	9.70	<u>48</u>	64.0	14.00	6.79	36		<span style="border: 1px solid black; padding: 2px;">1.10</span>	LTD	LTD	3.40	11	LTD	0.460	7	2
Leading Tickles - PWDU	Cook's Pond	Nov 29, 2022	9.70	<u>48</u>	64.0	14.00	6.79	36		<span style="border: 1px solid black; padding: 2px;">1.10</span>	LTD	LTD	3.40	11	LTD	0.460	7	2
<b>Lewin's Cove</b>																		
Lewin's Cove	Big Pond	Nov 09, 2022	5.10	<u>31</u>	57.0	13.00	6.97	32		0.65	LTD	LTD	3.40	10	LTD	0.280	7	2
<b>Lewisporte</b>																		
Lewisporte	Stanhope Pond	Nov 15, 2022	14.00	<u>22</u>	50.0	15.00	6.68	28		0.88	LTD	LTD	4.40	6	LTD	0.280	4	2
<b>Loon Bay</b>																		
Loon Bay	Southeast Pond	Dec 09, 2022	8.50	<u>17</u>	39.0	12.00	7.07	22		0.39	LTD	LTD	3.50	6	LTD	0.190	4	2
<b>Lumsden</b>																		
Lumsden	Gull Pond	Nov 08, 2022	LTD	<u>150</u>	55.0	5.30	<u>5.81</u>	30		<span style="border: 1px solid black; padding: 2px;">6.60</span>	LTD	LTD	0.72	13	LTD	0.340	9	2
<b>Mainland</b>																		
Mainland	Cointres Brook (Backup Supply)	Nov 24, 2022	140.00	<u>17</u>	350.0	160.00	8.21	190		<span style="border: 1px solid black; padding: 2px;">1.70</span>	LTD	LTD	51.00	20	LTD	0.540	12	5
<b>Marystown</b>																		
Marystown	Fox Hill Reservoir / Clam Pond	Nov 09, 2022	8.30	<u>37</u>	55.0	13.00	7.19	30		<span style="border: 1px solid black; padding: 2px;">1.50</span>	LTD	LTD	3.90	10	LTD	0.270	7	2
<b>McIvers</b>																		
McIvers	McIvers Brook	Nov 09, 2022	34.00	14	110.0	37.00	7.81	61		LTD	LTD	LTD	11.00	11	LTD	0.390	10	4
<b>Musgrave Harbour</b>																		

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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	C	C	A	C	A	C	A	C	A	C	A	C	A	C
Aesthetic (A) or Contaminant (C) Parameter																			
<b>Musgrave Harbour</b>																			
Musgrave Harbour	Rocky Pond	Nov 08, 2022	LTD	<u>76</u>	47.0	6.80	<u>6.20</u>	26		<span style="border: 1px solid black; padding: 2px;">1.10</span>	LTD	LTD	1.20	10	LTD	0.350	7	2	
<b>New Perlican</b>																			
New Perlican	New Perlican River	Nov 03, 2022	3.10	<u>16</u>	38.0	7.00	6.71	21		0.17	LTD	LTD	1.70	8	LTD	0.210	5	1	
<b>Norman's Cove-Long Cove</b>																			
Norman's Cove-Long Cove	John Newhooks Pond	Nov 22, 2022	LTD	<u>27</u>	34.0	5.80	<u>5.62</u>	19		0.62	LTD	LTD	1.30	7	LTD	0.150	5	1	
<b>North Harbour</b>																			
North Harbour	Grandfather's Pond	Nov 30, 2022	LTD	<u>120</u>	32.0	3.60	<u>4.89</u>	18		0.64	LTD	LTD	0.55	6	LTD	0.150	4	1	
<b>Petty Harbour-Maddox Cove</b>																			
Petty Harbour-Maddox Cove	Western Barrens Pond	Dec 01, 2022	LTD	<u>35</u>	32.0	3.10	<u>5.63</u>	18		0.67	LTD	LTD	0.45	8	LTD	0.230	5	1	
<b>Piccadilly Head</b>																			
Piccadilly Head (+West Bay)	Unnamed Brook	Nov 29, 2022	64.00	<u>92</u>	190.0	83.00	7.88	110		<span style="border: 1px solid black; padding: 2px;">1.10</span>	LTD	LTD	27.00	17	LTD	0.420	8	4	
<b>Pidgeon Cove-St. Barbe</b>																			
Pidgeon Cove - St. Barbe	Long Pond	Nov 02, 2022	78.00	<u>21</u>	190.0	95.00	8.07	110		<span style="border: 1px solid black; padding: 2px;">1.10</span>	LTD	LTD	18.00	10	LTD	0.190	7	LTD	
<b>Placentia</b>																			
Freshwater, Argentia site, Dunville	Clarks Pond	Nov 18, 2022	12.00	<u>48</u>	85.0	19.00	7.14	47		0.74	LTD	LTD	5.60	15	LTD	0.360	10	3	
<b>Point May</b>																			
Point May	Short's Pond	Nov 08, 2022	2.80	<u>120</u>	52.0	7.60	<u>6.30</u>	29		<span style="border: 1px solid black; padding: 2px;">2.00</span>	LTD	LTD	1.60	11	LTD	0.420	7	1	
Point May - PWDU	Short's Pond	Nov 08, 2022	2.80	<u>120</u>	52.0	7.60	<u>6.30</u>	29		<span style="border: 1px solid black; padding: 2px;">2.00</span>	LTD	LTD	1.60	11	LTD	0.420	7	1	
<b>Port Albert</b>																			
Port Albert	Beaverton Pond	Dec 13, 2022	15.00	<u>32</u>	120.0	28.00	6.93	68		0.10	LTD	LTD	8.70	20	LTD	0.370	12	7	
<b>Port Blandford</b>																			
Port Blandford	Noseworthy's Pond	Nov 30, 2022	LTD	<u>18</u>	130.0	9.80	<u>6.16</u>	71		0.80	LTD	LTD	2.90	34	LTD	0.300	20	3	
<b>Port Hope Simpson</b>																			
Port Hope Simpson	Arnold's Brook and Pond	Oct 04, 2022	LTD	<u>77</u>	13.0	3.60	<u>6.12</u>	8		0.44	LTD	LTD	0.89	1	LTD	0.190	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
			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
<b>Port Saunders</b>																		
Port Saunders	Tom Taylor's Pond	Nov 08, 2022	96.00	<u>24</u>	230.0	110.00	8.12	130		<span style="border: 1px solid black; padding: 2px;">1.90</span>	LTD	LTD	26.00	13	LTD	0.580	9	2
Port Saunders - PWDU	Tom Taylor's Pond	Nov 08, 2022	96.00	<u>24</u>	230.0	110.00	8.12	130		<span style="border: 1px solid black; padding: 2px;">1.90</span>	LTD	LTD	26.00	13	LTD	0.580	9	2
<b>Port au Port West-Aguathuna-Felix Cove</b>																		
Port au Port West	Jim Rowe's Brook	Nov 29, 2022	100.00	<u>98</u>	310.0	130.00	8.03	170		0.50	LTD	LTD	38.00	30	LTD	0.720	18	5
<b>Purcell's Harbour</b>																		
Purcell's Harbour	Purcell's Harbour Pond	Dec 14, 2022	3.80	<u>76</u>	85.0	11.00	<u>6.26</u>	47		0.55	LTD	LTD	2.20	21	LTD	0.350	13	3
<b>Rattling Brook</b>																		
Rattling Brook	Mark's Pond Brook	Nov 16, 2022	LTD	<u>35</u>	22.0	6.50	<u>5.46</u>	12		0.53	LTD	LTD	2.00	2	LTD	0.170	2	LTD
<b>Red Bay</b>																		
Red Bay	Northern Brook	Oct 04, 2022	LTD	<u>46</u>	13.0	3.10	<u>6.18</u>	7		0.30	LTD	LTD	0.64	2	LTD	0.130	2	LTD
<b>Roddickton-Bide Arm</b>																		
Bide Arm	First Clay Cove Pond	Nov 01, 2022	110.00	15	220.0	120.00	8.13	130		0.85	LTD	LTD	35.00	4	LTD	0.240	3	LTD
<b>South Dildo</b>																		
South Dildo	Broad Cove Pond	Nov 14, 2022	3.80	<u>77</u>	34.0	6.80	6.61	19		0.60	LTD	LTD	1.50	7	LTD	0.270	5	LTD
South Dildo	Broad Cove Pond	Nov 14, 2022	2.90	<u>73</u>	34.0	6.50	6.63	19		0.55	LTD	LTD	1.30	7	LTD	0.280	5	LTD
<b>St. Lewis</b>																		
St. Lewis	Tub Harbour Pond	Oct 04, 2022	7.00	<u>110</u>	59.0	16.00	6.90	33		<span style="border: 1px solid black; padding: 2px;">2.00</span>	LTD	LTD	4.50	9	LTD	0.590	6	2
<b>St. Shott's</b>																		
St. Shott's	Unnamed Pond	Nov 03, 2022	3.30	<u>48</u>	80.0	9.80	<u>6.45</u>	44		0.53	LTD	LTD	1.30	20	LTD	0.470	12	3
<b>Stoneville</b>																		
Stoneville	Dog Bay Pond Brook	Dec 13, 2022	3.30	<u>61</u>	130.0	20.00	<u>6.15</u>	70		LTD	LTD	LTD	5.60	30	LTD	0.150	16	9
<b>Summerford</b>																		
Summerford (+Cottlesville)	Rushy Cove Pond	Dec 09, 2022	22.00	<u>100</u>	100.0	35.00	7.21	57		0.26	LTD	LTD	11.00	16	LTD	0.210	9	4
<b>Sunnyside (T.B.)</b>																		

## 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
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						
<b>Sunnyside (T.B.)</b>																			
Sunnyside	Center Cove River	Nov 25, 2022	LTD	<u>78</u>	27.0	6.20	<u>6.28</u>	15		0.56	LTD	LTD	1.70	6	LTD	0.180	3	1	
<b>Terrenceville</b>																			
Terrenceville	Big Brook	Nov 07, 2022	LTD	<u>44</u>	25.0	4.60	<u>6.29</u>	14		0.27	LTD	LTD	1.10	5	LTD	0.250	4	LTD	
<b>Trepassey</b>																			
Trepassey	Miller's Pond	Nov 03, 2022	3.30	<u>110</u>	43.0	7.00	<u>6.32</u>	24	<span style="border: 1px solid black; padding: 2px;">2.30</span>	LTD	LTD	1.30	9	LTD	0.280	7	2		
<b>Twillingate</b>																			
Twillingate	Wild Cove Pond	Dec 14, 2022	6.30	<u>26</u>	110.0	19.00	6.68	63		0.30	LTD	LTD	4.60	27	LTD	0.460	15	5	
<b>West Bay</b>																			
West Bay	Unnamed Brook	Nov 29, 2022	64.00	<u>92</u>	190.0	83.00	7.88	110	<span style="border: 1px solid black; padding: 2px;">1.10</span>	LTD	LTD	27.00	17	LTD	0.420	8	4		
<b>Whitbourne</b>																			
Whitbourne	Hodges River	Nov 18, 2022	4.30	<u>46</u>	58.0	8.60	6.65	32		0.74	LTD	LTD	2.00	13	LTD	0.350	9	2	
<b>Winterton</b>																			
Winterton	Western Pond	Nov 08, 2022	3.50	12	37.0	5.90	6.68	20		0.45	LTD	LTD	1.40	7	LTD	0.190	5	1	



# 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 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