



## Source Water Quality for Public Water Supplies in Newfoundland and Labrador Nutrients and Metals

Serviced Area(s)	Source Name	Sample Date	Ammonia	DOC	Nitrate(ite)	Kjeldahl Nitrogen	Total Phosphorus	Aluminum	Antimony	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Selenium	Uranium	Zinc
			Units	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	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Guidelines for Canadian Drinking Water Quality					10				0.006	0.01	1.0	0.005	0.05	1.0	0.3	0.01		0.05	0.001		0.01	0.02	5.0
Aesthetic (A) or Contaminant (C) Parameter					C				C	C	C	C	C	A	A	C		A	C		C	C	A
<b>Avondale</b>																							
Avondale	Lee's Pond	Dec 03, 2018	0.060	3.8	LTD	0.200	0.002	0.040	LTD	LTD	LTD	LTD	LTD	LTD	0.070	LTD	LTD	0.010	LTD	LTD	LTD	LTD	LTD
<b>Bay de Verde</b>																							
Bay de Verde	Island Pond	Nov 06, 2018	0.140	3.3	LTD	0.200	0.003	0.150	LTD	LTD	0.010	LTD	LTD	LTD	0.140	LTD	LTD	0.030	LTD	LTD	LTD	LTD	LTD
<b>Bellevue Beach</b>																							
Bellevue Beach	Unnamed Brook	Dec 04, 2018	LTD	13.8	LTD	0.200	0.007	0.400	LTD	LTD	0.010	LTD	LTD	LTD	<u>0.730</u>	LTD	LTD	<u>0.090</u>	LTD	LTD	LTD	LTD	LTD
<b>Birchy Bay</b>																							
Birchy Bay	Jumper's Pond	Nov 13, 2018	LTD	10.9	LTD	0.400	0.003	0.060	LTD	LTD	LTD	LTD	LTD	LTD	0.130	LTD	LTD	0.010	LTD	LTD	LTD	LTD	LTD
<b>Biscay Bay</b>																							
Biscay Bay	Unnamed Pond	Dec 04, 2018	0.020	9.0	LTD	0.300	0.005	0.260	LTD	LTD	LTD	LTD	LTD	LTD	0.130	0.001	LTD	0.010	LTD	LTD	LTD	LTD	LTD
<b>Branch</b>																							
Branch	Valley Pond	Dec 05, 2018	LTD	5.4	LTD	0.200	0.008	0.120	LTD	LTD	LTD	LTD	LTD	LTD	<u>0.350</u>	LTD	1.000	<u>0.250</u>	LTD	LTD	LTD	LTD	LTD
<b>Brigus</b>																							
Brigus (+Cupids, +South River)	Brigus Long Pond (to Brigus)	Dec 05, 2018	0.040	6.0	LTD	0.200	0.004	0.120	LTD	LTD	LTD	LTD	LTD	LTD	0.120	LTD	LTD	0.010	LTD	LTD	LTD	LTD	LTD
<b>Buchans Junction</b>																							
Buchans Junction	Lapland Pond	Nov 06, 2018	LTD	7.5	LTD	0.300	0.005	0.110	LTD	LTD	LTD	LTD	LTD	0.001	0.190	0.001	LTD	0.020	LTD	LTD	LTD	LTD	LTD
<b>Burgeo</b>																							
Burgeo	Long Pond	Nov 16, 2018	0.090	11.3	LTD	0.200	0.004	0.260	LTD	LTD	LTD	LTD	LTD	LTD	<u>0.360</u>	LTD	LTD	0.010	LTD	LTD	LTD	LTD	LTD
<b>Cape St. George</b>																							
Cape St. George, Red Brook, De-Grau, Marches Point	Rouzes Brook	Nov 26, 2018	0.070	1.4	0.200	LTD	LTD	LTD	LTD	LTD	0.030	LTD	LTD	LTD	LTD	LTD	19.000	LTD	LTD	LTD	LTD	LTD	LTD
<b>Charlottetown (Labrador)</b>																							
Charlottetown (Labrador)	Middle Pond	Oct 03, 2018	0.100	10.3	LTD	0.200	0.006	0.300	LTD	LTD	0.010	LTD	LTD	LTD	<u>0.330</u>	LTD	LTD	LTD	LTD	LTD	LTD	LTD	LTD
Charlottetown (Labrador) - PWDU	Middle Pond	Oct 03, 2018	0.100	10.3	LTD	0.200	0.006	0.300	LTD	LTD	0.010	LTD	LTD	LTD	<u>0.330</u>	LTD	LTD	LTD	LTD	LTD	LTD	LTD	LTD
<b>Clarenville</b>																							



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Serviced Area(s)	Source Name	Sample Date	Ammonia	DOC	Nitrate(ite)	Kjeldahl Nitrogen	Total Phosphorus	Aluminum	Antimony	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Selenium	Uranium	Zinc			
			Units	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	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L		
			Guidelines for Canadian Drinking Water Quality			10						0.006	0.01	1.0	0.005	0.05	1.0	0.3	0.01		0.05	0.001		0.01	0.02	5.0
			Aesthetic (A) or Contaminant (C) Parameter			C						C	C	C	C	C	A	A	C		A	C		C	C	A
<b>Clarenville</b>																										
Clarenville, Shoal Harbour	Shoal Harbour River	Nov 28, 2018	0.150	7.3	LTD	0.200	0.003	0.120	LTD	LTD	LTD	LTD	LTD	0.016	0.220	LTD	LTD	0.020	LTD	LTD	LTD	LTD	LTD			
<b>Conception Bay South</b>																										
Conception Bay South	Bay Bulls Big Pond	Dec 05, 2018	0.020	4.4	LTD	0.200	0.002	0.090	LTD	LTD	LTD	LTD	LTD	LTD	0.090	LTD	LTD	0.020	LTD	LTD	LTD	LTD	LTD			
<b>Corner Brook</b>																										
Corner Brook (+Massey Drive, +Mount Moriah)	Trout Pond, Third Pond (2 intakes)	Dec 14, 2018	0.040	4.4	LTD	LTD	LTD	0.090	LTD	LTD	LTD	LTD	LTD	0.004	0.050	LTD	LTD	LTD	LTD	LTD	LTD	LTD	LTD			
<b>Crow Head</b>																										
Crow Head	Oars Pond	Nov 20, 2018	LTD	13.3	LTD	0.600	0.012	0.220	LTD	LTD	LTD	LTD	LTD	0.001	<u>0.310</u>	LTD	3.000	0.050	LTD	LTD	LTD	LTD	0.010			
<b>Cupids</b>																										
Cupids	Brigus Long Pond (to Brigus)	Dec 05, 2018	0.040	6.0	LTD	0.200	0.004	0.120	LTD	LTD	LTD	LTD	LTD	LTD	0.120	LTD	LTD	0.010	LTD	LTD	LTD	LTD	LTD			
<b>Deep Bight</b>																										
Deep Bight	Deep Bight River	Dec 06, 2018	0.040	9.2	LTD	0.200	0.004	0.210	LTD	LTD	LTD	LTD	LTD	LTD	<u>0.320</u>	LTD	LTD	0.030	LTD	LTD	LTD	LTD	LTD			
<b>Francois</b>																										
Francois	Our Pond	Dec 11, 2018	LTD	3.4	LTD	LTD	LTD	0.190	LTD	LTD	LTD	LTD	LTD	0.042	LTD	LTD	LTD	LTD	LTD	LTD	LTD	LTD	LTD			
<b>George's Brook-Milton</b>																										
George's Brook-Milton	George's Brook	Nov 28, 2018	0.050	6.8	LTD	LTD	0.002	0.120	LTD	LTD	LTD	LTD	LTD	LTD	0.140	LTD	LTD	0.020	LTD	LTD	LTD	LTD	LTD			
<b>Georgetown</b>																										
Georgetown	Third Pond	Dec 03, 2018	0.030	4.0	LTD	0.100	0.003	0.060	LTD	LTD	LTD	LTD	LTD	LTD	0.040	LTD	LTD	0.050	LTD	LTD	LTD	LTD	LTD			
<b>Happy Adventure</b>																										
Happy Adventure	Goose Neck Pond	Nov 08, 2018	0.080	9.0	LTD	0.500	0.003	0.180	LTD	LTD	LTD	LTD	LTD	LTD	0.280	LTD	LTD	LTD	LTD	LTD	LTD	LTD	LTD			
<b>Harbour Grace</b>																										
Harbour Grace, Harbour Grace South (+Riverhead)	Bannerman Lake	Dec 05, 2018	0.030	4.1	LTD	0.200	LTD	0.050	LTD	LTD	LTD	LTD	LTD	LTD	0.050	LTD	LTD	0.010	LTD	LTD	LTD	LTD	LTD			
<b>Heart's Delight-Islington</b>																										
Heart's Delight-Islington	Long Pond	Nov 07, 2018	0.130	4.7	LTD	0.300	0.005	0.280	LTD	LTD	LTD	LTD	LTD	LTD	0.230	LTD	LTD	0.020	LTD	LTD	LTD	LTD	LTD			
<b>Hickman's Harbour-Robinson Bight</b>																										



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			Units	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	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Guidelines for Canadian Drinking Water Quality					10				0.006	0.01	1.0	0.005	0.05	1.0	0.3	0.01		0.05	0.001		0.01	0.02	5.0
Aesthetic (A) or Contaminant (C) Parameter					C				C	C	C	C	C	A	A	C		A	C		C	C	A
<b>Hickman's Harbour-Robinson Bight</b>																							
Hickman's Harbour-Robinson Bight	Big Loss Pound Pond	Nov 28, 2018	0.050	3.6	LTD	LTD	LTD	0.020	LTD	LTD	0.010	LTD	LTD	LTD	LTD	LTD	LTD	0.010	LTD	LTD	LTD	LTD	LTD
<b>Howley</b>																							
Howley	Sandy Lake	Nov 16, 2018	LTD	6.3	LTD	0.200	0.002	0.130	LTD	LTD	LTD	LTD	LTD	LTD	0.200	LTD	LTD	0.020	LTD	LTD	LTD	LTD	LTD
Howley - PWDU	Sandy Lake	Nov 16, 2018	LTD	6.3	LTD	0.200	0.002	0.130	LTD	LTD	LTD	LTD	LTD	LTD	0.200	LTD	LTD	0.020	LTD	LTD	LTD	LTD	LTD
<b>Indian Bay</b>																							
Indian Bay	Indian Bay Brook	Nov 22, 2018	0.060	5.6	LTD	LTD	0.002	0.060	LTD	LTD	LTD	LTD	LTD	LTD	0.110	LTD	LTD	0.020	LTD	LTD	LTD	LTD	LTD
<b>Keels</b>																							
Keels	Boland's Pond	Nov 21, 2018	0.080	14.5	LTD	0.300	0.008	0.380	LTD	LTD	LTD	LTD	LTD	LTD	<u>0.430</u>	LTD	LTD	0.020	LTD	LTD	LTD	LTD	LTD
<b>L'Anse au Loup</b>																							
L'Anse au Loup	L'anse Au Loup River	Oct 02, 2018	0.070	3.8	LTD	LTD	0.005	0.060	LTD	LTD	0.020	LTD	LTD	LTD	0.090	LTD	1.000	LTD	LTD	LTD	LTD	LTD	LTD
<b>Labrador City</b>																							
Labrador City	Beverly Lake	Oct 18, 2018	0.040	2.1	LTD	LTD	LTD	LTD	LTD	LTD	0.010	LTD	LTD	LTD	0.060	LTD	5.000	0.050	LTD	LTD	LTD	LTD	LTD
<b>Lourdes</b>																							
Lourdes (+West Bay)	Victor's Brook	Nov 20, 2018	LTD	5.1	LTD	0.100	LTD	0.040	LTD	LTD	0.040	LTD	LTD	LTD	0.060	LTD	6.000	LTD	LTD	LTD	LTD	LTD	LTD
<b>Mainland</b>																							
Mainland	Caribou Brook	Nov 20, 2018	LTD	2.4	0.120	0.100	LTD	LTD	LTD	LTD	0.040	LTD	LTD	LTD	LTD	LTD	10.000	LTD	LTD	LTD	LTD	LTD	LTD
<b>Mary's Harbour</b>																							
Mary's Harbour	St. Mary's River	Oct 02, 2018	0.060	5.6	LTD	0.200	0.003	0.140	LTD	LTD	LTD	LTD	LTD	LTD	0.220	LTD	LTD	0.010	LTD	LTD	LTD	LTD	LTD
Mary's Harbour - PWDU	St. Mary's River	Oct 02, 2018	0.060	5.6	LTD	0.200	0.003	0.140	LTD	LTD	LTD	LTD	LTD	LTD	0.220	LTD	LTD	0.010	LTD	LTD	LTD	LTD	LTD
<b>Massey Drive</b>																							
Massey Drive	Trout Pond, Third Pond (2 intakes)	Dec 14, 2018	0.040	4.4	LTD	LTD	LTD	0.090	LTD	LTD	LTD	LTD	LTD	0.004	0.050	LTD	LTD	LTD	LTD	LTD	LTD	LTD	LTD
<b>Mount Moriah</b>																							
Mount Moriah	Trout Pond, Third Pond (2 intakes)	Dec 14, 2018	0.040	4.4	LTD	LTD	LTD	0.090	LTD	LTD	LTD	LTD	LTD	0.004	0.050	LTD	LTD	LTD	LTD	LTD	LTD	LTD	LTD
<b>Mount Pearl</b>																							



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			Units	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	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
			Guidelines for Canadian Drinking Water Quality			10						0.006	0.01	1.0	0.005	0.05	1.0	0.3	0.01		0.05	0.001	0.01	0.02	5.0
			Aesthetic (A) or Contaminant (C) Parameter			C						C	C	C	C	C	A	A	C		A	C	C	C	A
<b>Mount Pearl</b>																									
Mount Pearl	Bay Bulls Big Pond	Dec 05, 2018	0.020	4.4	LTD	0.200	0.002	0.090	LTD	LTD	LTD	LTD	LTD	LTD	0.090	LTD	LTD	0.020	LTD	LTD	LTD	LTD	LTD		
<b>Newman's Cove</b>																									
Newman's Cove	Heale Pond Brook	Nov 21, 2018	0.040	17.4	LTD	0.300	0.008	0.600	LTD	LTD	LTD	LTD	LTD	LTD	<u>0.740</u>	LTD	LTD	<u>0.060</u>	LTD	LTD	LTD	LTD	LTD		
<b>Paradise</b>																									
Paradise	Bay Bulls Big Pond	Dec 05, 2018	0.020	4.4	LTD	0.200	0.002	0.090	LTD	LTD	LTD	LTD	LTD	LTD	0.090	LTD	LTD	0.020	LTD	LTD	LTD	LTD	LTD		
<b>Phillips Head</b>																									
Phillips Head	Dogberry Brook	Nov 28, 2018	LTD	8.8	0.190	0.200	0.005	0.160	LTD	LTD	LTD	LTD	LTD	LTD	0.130	LTD	LTD	0.020	LTD	LTD	LTD	LTD	LTD		
<b>Pilley's Island</b>																									
Pilley's Island	Loadabats Pond	Nov 13, 2018	LTD	4.7	LTD	0.200	0.004	0.020	LTD	LTD	0.050	LTD	LTD	LTD	LTD	LTD	3.000	LTD	LTD	LTD	LTD	LTD	LTD		
<b>Pleasantview</b>																									
Pleasantview	Little Arm Pond	Nov 28, 2018	LTD	10.4	LTD	0.300	0.007	0.130	LTD	LTD	LTD	LTD	LTD	LTD	0.100	LTD	LTD	LTD	LTD	LTD	LTD	LTD	0.020		
<b>Plum Point</b>																									
Plum Point	Grand Pond	Nov 08, 2018	LTD	7.6	LTD	0.300	0.004	LTD	LTD	LTD	LTD	LTD	LTD	LTD	LTD	LTD	10.000	LTD	LTD	LTD	LTD	LTD	LTD		
<b>Point Lance</b>																									
Point Lance	Unnamed Pond	Dec 05, 2018	0.090	7.2	LTD	0.200	0.004	0.100	LTD	LTD	LTD	LTD	LTD	LTD	<u>0.310</u>	LTD	3.000	0.050	LTD	LTD	LTD	LTD	LTD		
<b>Point Leamington</b>																									
Point Leamington	Little Pond	Nov 07, 2018	LTD	9.2	LTD	0.200	0.004	0.130	LTD	LTD	LTD	LTD	LTD	LTD	0.140	LTD	LTD	LTD	LTD	LTD	LTD	LTD	LTD		
<b>Portugal Cove-St. Phillips</b>																									
Portugal Cove-St. Phillips	Bay Bulls Big Pond	Dec 05, 2018	0.020	4.4	LTD	0.200	0.002	0.090	LTD	LTD	LTD	LTD	LTD	LTD	0.090	LTD	LTD	0.020	LTD	LTD	LTD	LTD	LTD		
<b>Ramea</b>																									
Ramea	Northwest Pond	Dec 06, 2018	0.050	10.1	LTD	0.300	0.010	0.250	LTD	LTD	LTD	LTD	LTD	LTD	<u>0.400</u>	0.001	10.000	0.020	LTD	LTD	LTD	LTD	LTD		
Ramea - PWDU	Northwest Pond	Dec 06, 2018	0.050	10.1	LTD	0.300	0.010	0.250	LTD	LTD	LTD	LTD	LTD	LTD	<u>0.400</u>	0.001	10.000	0.020	LTD	LTD	LTD	LTD	LTD		
<b>Roddickton-Bide Arm</b>																									
Roddickton	East Brook Pond	Nov 05, 2018	LTD	5.3	LTD	0.200	LTD	0.030	LTD	LTD	LTD	LTD	LTD	LTD	0.030	LTD	4.000	LTD	LTD	LTD	LTD	LTD	LTD		



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			Units	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	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
			Guidelines for Canadian Drinking Water Quality			10						0.006	0.01	1.0	0.005	0.05	1.0	0.3	0.01		0.05	0.001	0.01	0.02	5.0
			Aesthetic (A) or Contaminant (C) Parameter			C						C	C	C	C	C	A	A	C		A	C	C	C	A
<b>Salvage</b>																									
Salvage	Wild Cove Pond	Nov 08, 2018	0.040	14.3	LTD	0.500	0.005	0.350	LTD	LTD	LTD	LTD	LTD	LTD	<u>0.530</u>	LTD	LTD	0.010	LTD	LTD	LTD	LTD	LTD		
<b>South River</b>																									
South River	Brigus Long Pond (to Brigus)	Dec 05, 2018	0.040	6.0	LTD	0.200	0.004	0.120	LTD	LTD	LTD	LTD	LTD	LTD	0.120	LTD	LTD	0.010	LTD	LTD	LTD	LTD	LTD		
<b>St. Alban's</b>																									
St. Alban's	Well Field	Oct 02, 2018	0.030	LTD	0.240	LTD	LTD	0.010	LTD	LTD	LTD	LTD	LTD	0.044	LTD	0.006	LTD	LTD	LTD	0.008	LTD	LTD	0.070		
St. Alban's	Well Field	Oct 02, 2018	0.060	LTD	0.240	LTD	LTD	0.010	LTD	LTD	LTD	LTD	LTD	0.008	LTD	0.001	LTD	LTD	LTD	LTD	LTD	LTD	LTD		
<b>St. Anthony</b>																									
St. Anthony	St. Anthony Pond	Nov 06, 2018	LTD	6.3	LTD	0.200	0.002	0.050	LTD	LTD	LTD	LTD	0.00200	0.002	0.100	LTD	4.000	LTD	LTD	0.012	LTD	LTD	LTD		
<b>St. Anthony Bight</b>																									
St. Anthony Bight	Cabbox Pond	Nov 06, 2018	LTD	17.2	LTD	0.400	0.007	0.270	LTD	LTD	LTD	LTD	LTD	0.001	<u>0.500</u>	LTD	LTD	0.020	LTD	LTD	LTD	LTD	LTD		
<b>St. Bride's</b>																									
St. Bride's	North Side Brook	Dec 05, 2018	LTD	5.4	LTD	LTD	0.004	0.050	LTD	LTD	0.040	LTD	LTD	LTD	0.220	LTD	1.000	<u>0.070</u>	LTD	LTD	LTD	LTD	LTD		
St. Bride's	South Side Brook	Dec 05, 2018	0.020	3.2	LTD	LTD	0.002	0.020	LTD	LTD	0.040	LTD	LTD	LTD	0.100	LTD	2.000	<u>0.180</u>	LTD	LTD	LTD	LTD	LTD		
<b>St. John's</b>																									
St. John's (+Mt. Pearl, +Paradise, +Portugal Cove-St. Phillips, +CBS)	Bay Bulls Big Pond	Dec 05, 2018	0.020	4.4	LTD	0.200	0.002	0.090	LTD	LTD	LTD	LTD	LTD	LTD	0.090	LTD	LTD	0.020	LTD	LTD	LTD	LTD	LTD		
St. John's	Windsor Lake	Dec 12, 2018	0.080	2.8	LTD	0.100	LTD	0.020	LTD	LTD	LTD	LTD	LTD	0.002	LTD	LTD	LTD	LTD	LTD	LTD	LTD	LTD	LTD		
St. John's	Petty Harbour Long Pond	Dec 12, 2018	0.040	3.9	LTD	0.100	0.002	0.060	LTD	LTD	LTD	LTD	LTD	LTD	0.040	LTD	LTD	LTD	LTD	LTD	LTD	LTD	LTD		
<b>Sunnyside (T.B.)</b>																									
Sunnyside	Center Cove River	Nov 09, 2018	LTD	8.2	LTD	0.200	0.002	0.200	LTD	LTD	LTD	LTD	LTD	LTD	0.160	LTD	LTD	0.020	LTD	LTD	LTD	LTD	LTD		
<b>Torbay</b>																									
Torbay	North Pond	Nov 02, 2018	0.030	2.5	LTD	0.200	0.002	0.020	LTD	LTD	LTD	LTD	LTD	LTD	0.040	LTD	LTD	0.030	LTD	LTD	LTD	LTD	LTD		
<b>Trout River</b>																									
Trout River	Feeder Brook	Nov 19, 2018	LTD	1.0	0.180	LTD	LTD	0.010	LTD	LTD	LTD	LTD	LTD	LTD	LTD	LTD	8.000	LTD	LTD	LTD	LTD	LTD	LTD		

## Source Water Quality for Public Water Supplies in Newfoundland and Labrador Nutrients and Metals

Serviced Area(s)	Source Name	Sample Date	Ammonia	DOC	Nitrate(ite)	Kjeldahl Nitrogen	Total Phosphorus	Aluminum	Antimony	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Selenium	Uranium	Zinc
			Units	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	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Guidelines for Canadian Drinking Water Quality					10				0.006	0.01	1.0	0.005	0.05	1.0	0.3	0.01		0.05	0.001		0.01	0.02	5.0
Aesthetic (A) or Contaminant (C) Parameter					C				C	C	C	C	C	A	A	C		A	C		C	C	A
<b>West Bay</b>																							
West Bay	Victor's Brook	Nov 20, 2018	LTD	5.1	LTD	0.100	LTD	0.040	LTD	LTD	0.040	LTD	LTD	LTD	0.060	LTD	6.000	LTD	LTD	LTD	LTD	LTD	LTD



# Source Water Quality for Public Water Supplies in Newfoundland and Labrador

## Nutrients and Metals

Serviced Area(s)	Source Name	Sample Date	Ammonia	DOC	Nitrate(ite)	Kjeldahl Nitrogen	Total Phosphorus	Aluminum	Antimony	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Selenium	Uranium	Zinc
		Units	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	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Guidelines for Canadian Drinking Water Quality				10				0.006	0.01	1.0	0.005	0.05	1.0	0.3	0.01		0.05	0.001		0.01	0.02	5.0
	Aesthetic (A) or Contaminant (C) Parameter				C				C	C	C	C	C	A	A	C		A	C		C	C	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](#)

**Nitrate(ite)** - The maximum acceptable concentration for nitrate(ite) in drinking water is 10 mg/L expressed as nitrate-nitrogen. Nitrate and nitrite are naturally occurring ions that are widespread in the environment. High levels of this contaminant can cause adverse health effects for some people.

**Antimony** - The interim maximum acceptable concentration (IMAC) for antimony in drinking water is 0.006 mg/L. It is a naturally occurring metal that is introduced into water through the natural weathering of rocks, runoff from soils, effluents from mining and manufacturing operations, industrial and municipal leachate discharges and from household piping and possibly non-lead solder. High levels of this contaminant can cause adverse health effects for some people.

**Arsenic** - The interim maximum acceptable concentration for arsenic in drinking water is 0.01 mg/L. Arsenic is introduced into water through the dissolution of minerals and ores, from industrial effluents and via atmospheric deposition. High levels of this contaminant can cause adverse health effects for some people.

**Barium** - The maximum acceptable concentration for barium in drinking water is 1.0 mg/L. Barium is not found free in nature but occurs as in a number of compounds. High levels of this contaminant can cause adverse health effects for some people.

**Cadmium** - The maximum acceptable concentration for cadmium in drinking water is 0.005 mg/L. Cadmium that is present as an impurity in galvanized pipes, a constituent of solders used in fitting water heaters or incorporated into stabilizers in black polyethylene pipes may contaminate water supplies during their distribution. High levels of this contaminant can cause adverse health effects for some people.

**Chromium** - The maximum acceptable concentration for chromium in drinking water is 0.05 mg/L. High levels of this contaminant can cause adverse health effects for some people.

**Lead** - The maximum acceptable concentration for lead in drinking water is 0.010 mg/l. Lead is present in tap water as a result of dissolution from natural sources or from the distribution systems and plumbing containing lead in pipes, solder or service connections. High levels of this contaminant can cause adverse health effects for some people.

**Mercury** - The maximum acceptable concentration for mercury in drinking water is 0.001 mg/L. High levels of this contaminant can cause adverse health effects for some people.

**Selenium** - The maximum acceptable concentration for selenium in drinking water is 0.01 mg/L. High levels of this contaminant can cause adverse health effects for some people.

**Uranium** - The interim maximum acceptable concentration for uranium in drinking water is 0.02 mg/L. Uranium may enter drinking water from naturally occurring deposits or as a result of human activity, such as mill tailings and phosphate fertilizers. High levels of this contaminant can cause adverse health effects for some people.

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