

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	2.0	0.007	0.05	1.0 / 2.0	0.3	0.005		0.02 / 0.12	0.001		0.01	0.02	5.0
Aesthetic (A) or Contaminant (C) Parameter					C				C	C	C	C	C	A / C	A	C		A / C	C		C	C	A
Appleton																							
Appleton (+Glenwood)	Gander Lake (The Outflow)	Aug 30, 2023	LTD	6.9	0.100	0.160	0.005	0.098	LTD	LTD	0.001	LTD	LTD	LTD	0.064	LTD	0.700	0.008	LTD	LTD	LTD	LTD	LTD
Barchois Brook																							
Barchois Brook	Drilled	Aug 17, 2023	LTD	LTD	LTD	LTD	0.020	0.007	LTD	0.003	0.008	LTD	LTD	LTD	LTD	LTD	2.900	LTD	LTD	LTD	LTD	0.0004	LTD
Bay St. George South																							
Heatherton	#1 Well Heatherton (Home Hardware)	Aug 18, 2023	0.077	1.6	LTD	0.210	0.005	LTD	LTD	LTD	0.012	LTD	LTD	0.004	0.130	LTD	17.000	0.280	LTD	LTD	LTD	0.0016	LTD
St. Fintan's, St. David's	#1 Well St. Fintan's (The Y)	Aug 18, 2023	0.083	LTD	0.070	0.190	LTD	LTD	LTD	0.003	0.100	LTD	LTD	0.001	0.120	LTD	14.000	0.013	LTD	LTD	LTD	0.0004	LTD
St. Fintan's	#2 Well St. Fintan's (Louis King)	Aug 18, 2023	LTD	1.0	1.700	LTD	LTD	0.005	LTD	LTD	0.140	LTD	LTD	0.003	LTD	LTD	19.000	LTD	LTD	LTD	LTD	0.0003	LTD
Jeffrey's	#2 Well Jeffery's (Calvin Madore)	Aug 18, 2023	0.170	0.6	0.072	0.240	0.008	0.021	LTD	0.001	0.150	LTD	LTD	0.002	0.120	LTD	10.000	0.028	LTD	LTD	LTD	0.0003	LTD
Jeffrey's	#1 Well Jeffery's (Joe Curnew)	Aug 18, 2023	0.130	LTD	LTD	0.310	0.017	LTD	LTD	0.003	0.048	LTD	LTD	0.002	0.060	LTD	15.000	0.049	LTD	LTD	LTD	0.0015	LTD
Lock Leven	#6 Well Loch Leven (Jerry Quilty)	Aug 18, 2023	LTD	LTD	0.350	LTD	0.008	LTD	LTD	LTD	0.190	LTD	LTD	0.001	0.140	LTD	18.000	LTD	LTD	LTD	LTD	0.0010	LTD
McKay's	#7 Well McKay's (Gordon Hulan)	Aug 18, 2023	0.073	2.1	LTD	LTD	LTD	LTD	LTD	0.006	0.087	LTD	LTD	0.001	0.190	LTD	17.000	0.061	LTD	LTD	LTD	0.0011	LTD
Robinson's	#1 Well Robinson's (Louie MacDonald)	Aug 18, 2023	LTD	0.5	2.600	LTD	LTD	LTD	LTD	LTD	0.440	LTD	0.00110	0.002	LTD	LTD	15.000	LTD	LTD	LTD	LTD	0.0004	LTD
McKay's	#2B Lions Club Well	Aug 18, 2023	0.100	0.6	0.052	0.230	0.017	0.008	LTD	0.002	0.049	LTD	LTD	0.003	0.830	LTD	17.000	0.049	LTD	LTD	LTD	LTD	0.006
Jeffrey's	#3 Well Jeffery's (Sid Shears)	Aug 18, 2023	0.170	1.5	0.055	0.170	LTD	0.006	LTD	0.002	0.098	LTD	LTD	0.001	0.083	LTD	8.300	0.058	LTD	LTD	LTD	LTD	LTD
McKay's	#3 Woodworth Well McKay's	Aug 18, 2023	0.160	1.1	0.065	0.220	0.016	0.025	LTD	0.009	0.062	LTD	LTD	0.001	LTD	LTD	3.000	0.004	LTD	LTD	LTD	0.0015	LTD
Highlands	#3 Brian Pumphrey Well Highlands	Aug 18, 2023	0.050	LTD	LTD	0.110	0.005	LTD	LTD	LTD	0.074	LTD	LTD	0.001	LTD	LTD	14.000	0.011	LTD	LTD	LTD	0.0043	LTD
Robinson's	#3 Well Robinson's (Gales)	Aug 18, 2023	0.077	LTD	LTD	0.200	LTD	LTD	LTD	0.002	0.096	LTD	LTD	0.002	0.090	LTD	17.000	0.012	LTD	LTD	LTD	LTD	LTD
Bear Cove																							
Bear Cove	Lower Bear Cove	Aug 20, 2023	LTD	4.5	LTD	0.250	0.011	0.022	0.001700	0.004	0.016	LTD	LTD	0.005	0.680	0.002	21.000	0.003	LTD	0.011	0.001	0.0011	0.014
Bear Cove	Upper Bear Cove	Aug 20, 2023	0.062	2.5	LTD	0.140	0.007	0.006	LTD	LTD	0.097	LTD	LTD	0.001	LTD	LTD	26.000	LTD	LTD	0.004	LTD	0.0007	0.023
Benoit's Siding																							

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	mg/L																			
Guidelines for Canadian Drinking Water Quality			10			0.006			0.01			2.0			0.007			0.05			1.0 / 2.0			0.3			0.005			0.02 / 0.12			0.001			0.01			0.02			5.0		
Aesthetic (A) or Contaminant (C) Parameter			C			C			C			C			C			A / C			A			C			A / C			C			C			C			A					
Benoit's Siding																																												
Benoit's Siding (aka Bennett's Siding)	Drilled	Aug 19, 2023	LTD	0.6	0.710	LTD	LTD	0.005	LTD	LTD	0.410	LTD	LTD	0.002	LTD	LTD	8.800	0.003	LTD	LTD	LTD	0.0043	LTD																					
Doyles	# 2 Well Doyles	Aug 19, 2023	LTD	0.6	0.058	LTD	LTD	0.007	LTD	LTD	0.200	LTD	0.00710	0.002	0.059	LTD	15.000	0.010	LTD	LTD	LTD	0.0003	LTD																					
Black Duck																																												
Black Duck (Siding)	#1 Well	Aug 14, 2023	LTD	LTD	0.260	0.110	LTD	0.006	LTD	LTD	0.035	0.00002	0.00120	0.005	LTD	0.001	6.200	LTD	LTD	LTD	LTD	0.0002	LTD																					
Black Duck (Siding)	#2 Well	Aug 14, 2023	LTD	LTD	0.140	0.100	LTD	0.025	LTD	LTD	0.027	0.00002	LTD	0.002	LTD	0.001	4.500	LTD	LTD	0.002	LTD	0.0003	LTD																					
Brigus																																												
Brigus (+Cupids, +South River)	Brigus Long Pond (to Brigus)	Sep 28, 2023	0.051	5.7	0.051	0.190	0.009	0.056	LTD	LTD	0.001	LTD	LTD	LTD	0.140	LTD	0.890	<u>0.055</u>	LTD	LTD	LTD	LTD	LTD																					
Cartwright																																												
Cartwright	Burdett's Pond	Aug 14, 2023	LTD	8.5	LTD	0.260	LTD	0.230	LTD	LTD	0.005	LTD	LTD	LTD	<u>0.630</u>	LTD	0.400	0.013	LTD	LTD	LTD	LTD	LTD																					
Cartwright - PWDU	Burdett's Pond	Aug 14, 2023	LTD	8.5	LTD	0.260	LTD	0.230	LTD	LTD	0.005	LTD	LTD	LTD	<u>0.630</u>	LTD	0.400	0.013	LTD	LTD	LTD	LTD	LTD																					
Clarenville																																												
Clarenville, Shoal Harbour	Shoal Harbour River	Sep 28, 2023	LTD	8.1	LTD	0.160	0.009	0.110	LTD	LTD	0.002	LTD	LTD	LTD	<u>0.360</u>	LTD	0.560	<u>0.028</u>	LTD	LTD	LTD	LTD	LTD																					
Cox's Cove																																												
Upper Area	Upper Area Wellfield	Aug 14, 2023	0.090	LTD	0.100	0.180	LTD	0.006	LTD	LTD	0.090	LTD	LTD	0.003	LTD	LTD	12.000	0.005	LTD	LTD	LTD	0.0004	LTD																					
Upper Area	Upper Area Wellfield	Aug 14, 2023	0.082	LTD	0.140	0.170	0.006	LTD	LTD	LTD	0.094	LTD	LTD	0.002	LTD	LTD	13.000	0.005	LTD	LTD	LTD	0.0006	LTD																					
Cupids																																												
Cupids	Brigus Long Pond (to Brigus)	Sep 28, 2023	0.051	5.7	0.051	0.190	0.009	0.056	LTD	LTD	0.001	LTD	LTD	LTD	0.140	LTD	0.890	<u>0.055</u>	LTD	LTD	LTD	LTD	LTD																					
Flat Bay																																												
Flat Bay (East)	#3 Well	Aug 17, 2023	LTD	LTD	1.100	LTD	LTD	LTD	LTD	LTD	0.012	LTD	LTD	0.002	LTD	LTD	1.700	LTD	LTD	LTD	LTD	LTD	LTD																					
Flat Bay (East)	#1 Well	Aug 17, 2023	LTD	LTD	LTD	LTD	0.005	0.007	LTD	0.010	0.160	LTD	LTD	0.001	0.065	LTD	3.300	0.002	LTD	LTD	LTD	0.0017	LTD																					
Flat Bay West																																												
Flat Bay West	#3 Well	Aug 17, 2023	LTD	LTD	0.880	LTD	LTD	LTD	LTD	0.001	0.160	LTD	0.00160	0.001	LTD	LTD	2.500	LTD	LTD	LTD	0.004	0.0015	LTD																					
Gillams																																												

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	mg/L
			Guidelines for Canadian Drinking Water Quality Aesthetic (A) or Contaminant (C) Parameter				10				0.006	0.01	2.0	0.007	0.05	1.0 / 2.0	0.3	0.005		0.02 / 0.12	0.001		0.01	0.02	5.0
Gillams																									
Gillams	Meaters Pond	Jul 26, 2023	LTD	4.3	0.060	0.190	0.009	0.013	LTD	LTD	0.003	LTD	LTD	0.018	0.064	0.004	1.100	0.011	LTD	LTD	LTD	LTD	LTD		
Glenwood																									
Glenwood	Gander Lake (The Outflow)	Aug 30, 2023	LTD	6.9	0.100	0.160	0.005	0.098	LTD	LTD	0.001	LTD	LTD	LTD	0.064	LTD	0.700	0.008	LTD	LTD	LTD	LTD	LTD		
Great Codroy																									
Great Codroy East	#1 Well	Aug 19, 2023	LTD	LTD	0.140	LTD	LTD	0.006	LTD	LTD	0.071	LTD	LTD	0.003	LTD	0.001	7.700	LTD	LTD	LTD	LTD	0.0012	LTD		
Great Codroy West	#2 Well	Aug 19, 2023	LTD	0.6	0.170	LTD	LTD	LTD	LTD	LTD	0.350	LTD	LTD	0.005	LTD	LTD	15.000	LTD	LTD	LTD	LTD	0.0010	LTD		
Indian Bay																									
Indian Bay	Indian Bay Brook	Aug 22, 2023	LTD	5.5	LTD	0.110	0.005	0.048	LTD	LTD	0.001	LTD	LTD	0.004	0.210	LTD	0.660	0.020	LTD	LTD	LTD	LTD	LTD		
Kippens																									
Kippens	Well Field	Aug 14, 2023	LTD	LTD	0.150	0.150	LTD	LTD	LTD	LTD	0.036	0.00002	LTD	0.003	LTD	LTD	11.000	0.014	LTD	0.002	LTD	0.0004	LTD		
Kippens	Well Field	Aug 14, 2023	LTD	LTD	0.260	0.120	0.004	LTD	LTD	LTD	0.038	0.00001	LTD	0.003	LTD	LTD	12.000	LTD	LTD	LTD	LTD	0.0007	LTD		
Kippens	Well Field	Aug 14, 2023	LTD	LTD	0.098	0.150	LTD	0.008	LTD	LTD	0.092	0.00001	LTD	0.003	LTD	LTD	12.000	LTD	LTD	LTD	LTD	0.0006	LTD		
Kippens	Well Field	Aug 14, 2023	LTD	LTD	0.270	0.150	0.004	LTD	LTD	LTD	0.023	LTD	0.00100	0.002	LTD	LTD	12.000	LTD	LTD	LTD	LTD	0.0004	LTD		
Lance Cove																									
Lance Cove	Local Service District Well	Sep 18, 2023	0.230	0.6	LTD	0.210	LTD	0.011	LTD	LTD	0.190	LTD	LTD	0.002	0.057	LTD	5.300	0.690	LTD	LTD	LTD	LTD	0.009		
Mainland																									
Mainland	Cointres Brook (Backup Supply)	Sep 25, 2023	LTD	4.6	0.150	0.130	LTD	0.033	LTD	LTD	0.030	0.00001	LTD	0.001	LTD	LTD	7.900	LTD	LTD	LTD	LTD	0.0002	LTD		
Makkovik																									
Makkovik	Ranger Bight Pond	Aug 29, 2023	0.051	4.4	LTD	0.150	0.007	0.120	LTD	LTD	0.013	0.00002	LTD	0.001	0.210	LTD	0.480	0.012	LTD	LTD	LTD	0.0007	LTD		
Makkovik - PWDU	Ranger Bight Pond	Aug 29, 2023	0.051	4.4	LTD	0.150	0.007	0.120	LTD	LTD	0.013	0.00002	LTD	0.001	0.210	LTD	0.480	0.012	LTD	LTD	LTD	0.0007	LTD		
Mattis Point																									
Mattis Point	Drilled	Aug 17, 2023	LTD	LTD	LTD	LTD	0.013	0.010	LTD	0.003	0.013	LTD	LTD	0.001	LTD	LTD	2.200	0.009	LTD	LTD	LTD	0.0004	LTD		
O'Regans East																									

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	2.0	0.007	0.05	1.0 / 2.0	0.3	0.005		0.02 / 0.12	0.001		0.01	0.02	5.0
Aesthetic (A) or Contaminant (C) Parameter					C				C	C	C	C	C	A / C	A	C		A / C	C		C	C	A
O'Regans East																							
O'Regan's East	Drilled	Aug 19, 2023	LTD	0.7	0.710	5.600	LTD	LTD	LTD	LTD	0.290	0.00002	LTD	0.002	LTD	LTD	6.500	0.002	LTD	LTD	LTD	0.0002	LTD
Piccadilly Slant-Abraham's Cove																							
Abraham's Cove	#2 Well - Abraham's Cove	Aug 14, 2023	LTD	3.6	1.200	0.190	0.049	0.028	LTD	LTD	0.025	0.00002	LTD	0.008	LTD	0.001	6.800	0.007	LTD	0.003	LTD	0.0002	0.010
Piccadilly Slant	#1 Well - Piccadilly Slant	Aug 14, 2023	LTD	1.2	0.320	0.180	LTD	LTD	LTD	LTD	0.100	0.00003	LTD	0.005	LTD	0.007	15.000	0.002	LTD	0.002	LTD	0.0007	0.026
Point Lance																							
Point Lance (5 houses)	Well	Aug 21, 2023	0.089	LTD	LTD	0.100	LTD	0.024	LTD	LTD	0.006	LTD	LTD	LTD	LTD	LTD	1.900	0.012	LTD	LTD	LTD	LTD	LTD
Port au Port East																							
Port au Port East	Drilled Well - 75-80% Berry Head Watershed - 20-25%	Aug 15, 2023	LTD	2.5	0.150	LTD	0.005	0.007	LTD	LTD	0.040	0.00002	LTD	0.006	LTD	0.009	11.000	0.016	LTD	LTD	LTD	0.0003	0.026
Port au Port West-Aguathuna-Felix Cove																							
Port au Port West, Aguathuna	#1 & #3 & #6 FatherJoy's Well	Aug 15, 2023	LTD	3.7	0.078	0.110	LTD	0.012	LTD	LTD	0.130	0.00004	LTD	0.013	LTD	0.011	12.000	0.003	LTD	LTD	LTD	0.0006	0.039
Port au Port West, Aguathuna	#1 & #3 & #6 FatherJoy's Well	Aug 15, 2023	LTD	0.6	LTD	0.110	LTD	LTD	LTD	0.001	0.120	LTD	LTD	0.005	LTD	LTD	19.000	LTD	LTD	LTD	LTD	0.0020	0.006
Port au Port West, Aguathuna	#1 & #3 & #6 FatherJoy's Well	Aug 15, 2023	LTD	1.3	0.079	LTD	LTD	LTD	LTD	0.003	0.190	LTD	LTD	0.006	LTD	LTD	20.000	0.015	LTD	LTD	LTD	0.0010	LTD
Felix Cove	#4-Goose Pond Road Well	Aug 15, 2023	LTD	1.0	0.170	LTD	0.009	0.005	LTD	LTD	0.140	0.00002	LTD	0.012	0.860	0.005	21.000	LTD	LTD	LTD	LTD	0.0006	0.190
Felix Cove	#5 Ocean View Drive Well	Aug 15, 2023	LTD	1.0	0.230	0.150	LTD	LTD	LTD	LTD	0.063	LTD	LTD	0.011	LTD	0.001	25.000	LTD	LTD	LTD	LTD	0.0004	0.010
Postville																							
Postville	Big Pond	Aug 29, 2023	LTD	6.5	0.120	0.110	LTD	0.190	LTD	LTD	0.003	LTD	LTD	0.001	0.054	LTD	0.440	0.002	LTD	LTD	LTD	LTD	LTD
Postville - PWDU	Big Pond	Aug 29, 2023	LTD	6.5	0.120	0.110	LTD	0.190	LTD	LTD	0.003	LTD	LTD	0.001	0.054	LTD	0.440	0.002	LTD	LTD	LTD	LTD	LTD
Raleigh																							
Raleigh	#4 Well	Aug 21, 2023	0.052	2.0	0.061	0.160	LTD	LTD	LTD	LTD	0.051	LTD	LTD	0.003	LTD	LTD	8.700	0.007	LTD	LTD	LTD	0.0001	LTD
Rigolet																							
Rigolet	Rigolet Pond	Aug 29, 2023	LTD	8.8	LTD	LTD	0.011	0.180	LTD	LTD	0.030	LTD	LTD	0.001	0.600	LTD	0.510	0.008	LTD	LTD	LTD	LTD	LTD
Rigolet - PWDU	Rigolet Pond	Aug 29, 2023	LTD	8.8	LTD	LTD	0.011	0.180	LTD	LTD	0.030	LTD	LTD	0.001	0.600	LTD	0.510	0.008	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	mg/L
Guidelines for Canadian Drinking Water Quality					10				0.006	0.01	2.0	0.007	0.05	1.0 / 2.0	0.3	0.005		0.02 / 0.12	0.001		0.01	0.02	5.0		
Aesthetic (A) or Contaminant (C) Parameter					C				C	C	C	C	C	A / C	A	C		A / C	C		C	C	A		
Sheaves Cove																									
Sheaves Cove	Drilled	Aug 15, 2023	LTD	0.9	0.290	LTD	LTD	0.028	LTD	LTD	0.044	0.00003	LTD	0.004	LTD	0.001	12.000	LTD	LTD	LTD	LTD	0.0003	0.013		
Sheppardville																									
Sheppardville	Drilled	Aug 13, 2023	LTD	2.5	LTD	0.200	0.005	0.010	LTD	LTD	0.002	0.00001	LTD	0.004	0.110	LTD	2.000	<u>0.062</u>	LTD	LTD	LTD	0.0035	LTD		
Ship Cove-Lower Cove-Jerry's Nose																									
Ship Cove, Jerry's Nose	#5 Well - Murdock Wheeler Well	Aug 15, 2023	LTD	0.6	0.230	LTD	LTD	LTD	LTD	LTD	0.043	LTD	LTD	0.003	LTD	LTD	21.000	LTD	LTD	LTD	LTD	0.0003	LTD		
Lower Cove	#6 Well - Lower Cove Well	Aug 15, 2023	LTD	LTD	0.520	LTD	LTD	LTD	LTD	LTD	0.091	0.00002	LTD	0.003	LTD	0.001	19.000	LTD	LTD	LTD	LTD	0.0006	0.010		
Ship Cove East	#3 Well - Bernard Brake Well	Aug 15, 2023	LTD	1.9	0.280	0.120	LTD	0.010	LTD	LTD	0.140	0.00011	LTD	0.009	LTD	0.026	13.000	0.012	LTD	LTD	LTD	0.0012	0.047		
Ship Cove, Jerry's Nose	#2 Well - Howard & Rodney Jesso Well	Aug 15, 2023	LTD	1.6	0.100	LTD	0.050	0.009	LTD	LTD	0.150	LTD	LTD	0.004	0.063	0.001	16.000	<u>0.035</u>	LTD	LTD	LTD	0.0009	0.005		
Ship Cove, Jerry's Nose	#1 Well - PJ's Variety Well	Aug 15, 2023	0.053	1.2	0.066	0.210	0.005	0.011	LTD	LTD	0.120	LTD	LTD	0.005	0.100	0.001	19.000	0.130	LTD	LTD	LTD	0.0018	0.006		
Ship Cove, Jerry's Nose	#4B Well - Nancy Rowe Well	Aug 15, 2023	0.052	8.4	0.200	0.330	0.024	0.170	LTD	LTD	0.074	0.00003	LTD	0.010	<u>0.350</u>	0.005	8.700	<u>0.090</u>	LTD	LTD	LTD	0.0003	0.011		
South River																									
South River	Brigus Long Pond (to Brigus)	Sep 28, 2023	0.051	5.7	0.051	0.190	0.009	0.056	LTD	LTD	0.001	LTD	LTD	LTD	0.140	LTD	0.890	<u>0.055</u>	LTD	LTD	LTD	LTD	LTD		
St. Andrews																									
St. Andrew's	#1 Well	Aug 19, 2023	LTD	1.1	0.420	LTD	LTD	0.006	LTD	LTD	0.520	LTD	LTD	0.004	LTD	LTD	15.000	<u>0.022</u>	LTD	LTD	LTD	0.0008	LTD		
St. Andrew's	#2 Well	Aug 19, 2023	LTD	0.7	LTD	0.130	LTD	0.021	LTD	LTD	0.093	LTD	LTD	0.002	LTD	LTD	3.100	0.230	LTD	LTD	LTD	0.0004	LTD		
St. Andrew's East	#3 Well	Aug 19, 2023	LTD	2.9	0.200	0.130	LTD	0.030	LTD	LTD	0.097	LTD	LTD	0.005	LTD	LTD	3.700	LTD	LTD	LTD	LTD	0.0003	LTD		
Air Strip Road	#4 Well Strip Road Well	Aug 19, 2023	LTD	0.7	LTD	LTD	LTD	0.010	LTD	LTD	0.120	LTD	0.00740	0.006	0.140	LTD	6.500	0.400	LTD	0.016	LTD	0.0002	0.005		
St. George's																									
St. George's	Wellfield	Aug 16, 2023	LTD	LTD	0.220	0.130	LTD	LTD	LTD	LTD	0.010	0.00001	LTD	0.005	0.180	LTD	3.700	<u>0.027</u>	LTD	LTD	LTD	LTD	0.013		
St. George's	Wellfield	Aug 16, 2023	LTD	0.7	LTD	0.120	0.006	LTD	LTD	LTD	0.034	LTD	LTD	0.015	<u>1.000</u>	LTD	6.700	<u>0.045</u>	LTD	0.002	LTD	LTD	LTD		
St. George's	Wellfield	Aug 16, 2023	LTD	0.9	LTD	LTD	0.005	0.022	LTD	LTD	0.012	LTD	LTD	0.004	0.180	0.001	3.500	0.015	LTD	LTD	LTD	LTD	0.013		

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	2.0	0.007	0.05	1.0 / 2.0	0.3	0.005		0.02 / 0.12	0.001		0.01	0.02	5.0
Aesthetic (A) or Contaminant (C) Parameter					C				C	C	C	C	C	A / C	A	C		A / C	C		C	C	A
St. George's																							
St. George's	Wellfield	Aug 16, 2023	LTD	3.3	0.200	0.250	LTD	0.044	LTD	LTD	0.008	LTD	LTD	0.008	0.087	0.001	1.800	0.020	LTD	LTD	LTD	0.0001	0.023
St. Lunaire-Griquet																							
St. Lunaire-Griquet	Drilled	Aug 21, 2023	0.190	5.0	LTD	0.290	0.012	0.019	LTD	LTD	0.062	LTD	LTD	0.001	<u>1.500</u>	LTD	6.300	0.190	LTD	LTD	LTD	0.0023	LTD
Steady Brook																							
Steady Brook	Wellfield + Steady Brook	Aug 14, 2023	LTD	0.8	0.066	0.180	0.010	0.028	LTD	LTD	0.064	0.00002	LTD	0.011	0.110	0.001	2.900	0.140	LTD	0.004	LTD	0.0027	0.013
Stephenville																							
Stephenville	Well Field	Aug 16, 2023	0.084	0.8	LTD	0.110	LTD	LTD	LTD	LTD	0.066	LTD	LTD	0.002	0.180	LTD	11.000	0.220	LTD	LTD	LTD	0.0004	LTD
Stephenville	Well Field	Aug 16, 2023	LTD	LTD	0.450	LTD	LTD	0.007	LTD	LTD	0.030	LTD	LTD	0.010	LTD	0.001	9.600	LTD	LTD	LTD	LTD	0.0003	0.013
Stephenville	Well Field	Aug 16, 2023	LTD	LTD	0.460	0.100	LTD	LTD	LTD	LTD	0.037	LTD	LTD	0.004	LTD	LTD	9.800	LTD	LTD	LTD	LTD	0.0003	LTD
Stephenville	Well Field	Aug 16, 2023	LTD	LTD	0.070	0.130	LTD	0.006	LTD	LTD	0.061	LTD	LTD	0.006	LTD	0.001	10.000	0.013	LTD	LTD	LTD	0.0008	LTD
Stephenville	Well Field	Aug 16, 2023	LTD	1.8	0.160	LTD	LTD	LTD	LTD	LTD	0.012	0.00001	LTD	0.009	LTD	0.001	10.000	0.007	LTD	LTD	LTD	0.0004	0.010
Stephenville	Well Field	Aug 16, 2023	LTD	3.4	0.054	0.170	LTD	0.006	LTD	LTD	0.026	0.00003	LTD	0.006	0.093	0.001	8.800	0.800	LTD	LTD	LTD	0.0003	0.006
Stephenville	Well Field	Aug 16, 2023	LTD	0.6	LTD	0.150	LTD	0.005	LTD	LTD	0.120	LTD	LTD	0.007	0.054	0.002	8.800	0.200	LTD	LTD	LTD	0.0002	0.016
Stephenville	Well Field	Aug 16, 2023	0.086	0.8	LTD	0.210	0.006	LTD	LTD	LTD	0.069	LTD	LTD	0.001	0.230	LTD	11.000	0.220	LTD	LTD	LTD	0.0004	LTD
Stephenville	Well Field	Aug 16, 2023	LTD	LTD	LTD	0.130	LTD	LTD	LTD	LTD	0.054	LTD	LTD	0.001	LTD	LTD	10.000	LTD	LTD	LTD	LTD	0.0008	LTD
Stephenville Crossing																							
Stephenville Crossing	Well Fields 1 & 2	Aug 16, 2023	LTD	LTD	0.210	LTD	LTD	LTD	LTD	LTD	0.017	LTD	0.00140	0.004	LTD	LTD	8.100	LTD	LTD	LTD	LTD	0.0007	0.011
Stephenville Crossing	Well Fields 1 & 2	Aug 16, 2023	LTD	LTD	0.220	0.110	LTD	LTD	LTD	LTD	0.020	LTD	0.00180	0.004	LTD	0.001	11.000	LTD	LTD	LTD	LTD	0.0008	LTD
Stephenville Crossing	Well Fields 1 & 2	Aug 16, 2023	LTD	0.8	0.840	LTD	LTD	LTD	LTD	LTD	0.019	LTD	LTD	0.002	LTD	LTD	8.200	LTD	LTD	LTD	LTD	0.0005	LTD
Stephenville Crossing	Well Fields 1 & 2	Aug 16, 2023	LTD	LTD	0.140	0.100	LTD	LTD	LTD	LTD	0.017	LTD	0.00210	0.002	LTD	LTD	9.400	LTD	LTD	LTD	LTD	0.0007	LTD
Tompkins																							

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	mg/L
Guidelines for Canadian Drinking Water Quality					10				0.006	0.01	2.0	0.007	0.05	1.0 / 2.0	0.3	0.005		0.02 / 0.12	0.001		0.01	0.02	5.0		
Aesthetic (A) or Contaminant (C) Parameter					C				C	C	C	C	C	A / C	A	C		A / C	C		C	C	A		
Tompkins																									
Tompkins	Greg Wall Well	Aug 19, 2023	LTD	LTD	0.210	0.100	0.011	0.021	LTD	LTD	0.082	LTD	LTD	0.068	LTD	0.001	6.700	LTD	LTD	LTD	LTD	0.0007	0.005		
Upper Ferry																									
Upper Ferry - Lower	#1 Well - Gerard Brownrigg Well	Aug 19, 2023	LTD	LTD	1.200	LTD	LTD	0.005	LTD	LTD	0.280	LTD	LTD	0.003	LTD	LTD	11.000	LTD	LTD	LTD	LTD	0.0003	0.005		
Upper Ferry - Middle	#2 Well - Hughie MacIssac Well	Aug 19, 2023	LTD	LTD	0.140	0.130	0.011	0.006	LTD	LTD	0.100	LTD	LTD	0.005	LTD	LTD	6.400	LTD	LTD	LTD	LTD	0.0004	LTD		
Upper Ferry - Upper	#3 Well - Marshall Devoe Well	Aug 19, 2023	LTD	0.5	0.260	LTD	0.005	LTD	LTD	LTD	0.180	LTD	0.00110	0.004	LTD	LTD	7.900	LTD	LTD	LTD	LTD	0.0005	LTD		
Upper Ferry	#4 Well - Angus MacNeil Well	Aug 19, 2023	LTD	0.6	LTD	0.100	0.004	LTD	LTD	0.002	0.067	LTD	LTD	0.003	LTD	LTD	7.700	0.006	LTD	LTD	LTD	0.0011	LTD		
Wabana																									
Wabana	Middleton Ave	Sep 18, 2023	LTD	3.4	LTD	LTD	0.006	LTD	LTD	LTD	0.092	LTD	LTD	0.004	LTD	LTD	7.500	<u>0.072</u>	LTD	LTD	LTD	LTD	LTD		
Wabana	#3 Yard West Mines Road	Sep 18, 2023	0.100	3.7	LTD	0.120	0.023	0.007	LTD	0.001	0.110	LTD	LTD	0.004	LTD	LTD	8.400	<u>0.260</u>	LTD	LTD	LTD	LTD	0.018		
Wabana	#3 Yard West Mines Road	Sep 18, 2023	0.140	1.3	LTD	0.140	0.051	0.061	LTD	LTD	0.099	0.00003	LTD	0.078	0.210	0.004	4.100	<u>0.100</u>	LTD	LTD	LTD	LTD	0.036		
Wabana	#4-West Mines Road	Sep 18, 2023	0.110	4.2	LTD	0.130	0.034	0.006	LTD	0.001	0.045	LTD	LTD	0.005	LTD	LTD	6.900	<u>0.180</u>	LTD	LTD	LTD	LTD	0.017		
Wabana	Normore Crescent East #1	Sep 18, 2023	0.130	3.3	LTD	0.190	0.011	LTD	LTD	LTD	0.097	LTD	LTD	0.004	LTD	LTD	6.800	<u>0.130</u>	LTD	LTD	LTD	LTD	0.005		
Wabana	Quigley's Line	Sep 18, 2023	0.150	3.2	0.150	0.240	0.011	0.006	LTD	0.002	0.160	LTD	LTD	0.002	LTD	LTD	6.900	<u>0.140</u>	LTD	LTD	LTD	LTD	0.011		
Wabana	St. Edward's Memorial St.	Sep 18, 2023	0.190	LTD	LTD	0.150	0.057	0.200	LTD	LTD	0.016	0.00001	LTD	LTD	0.100	LTD	0.390	0.012	LTD	LTD	LTD	LTD	LTD		
Wabana	Mixed Supplies	Sep 18, 2023	0.130	2.8	LTD	0.200	0.110	0.010	LTD	<u>0.072</u>	0.120	LTD	LTD	0.002	<u>9.500</u>	LTD	6.700	<u>0.450</u>	LTD	LTD	LTD	LTD	LTD		
Wabana	Mixed Supplies	Sep 18, 2023	0.084	1.8	LTD	0.120	0.014	0.007	LTD	0.003	0.073	LTD	LTD	0.002	<u>0.570</u>	LTD	6.000	<u>0.320</u>	LTD	LTD	LTD	LTD	LTD		
Wabana	Mixed Supplies	Sep 18, 2023	0.110	2.3	LTD	0.140	0.016	LTD	LTD	0.007	0.094	LTD	LTD	0.001	<u>0.870</u>	LTD	7.400	<u>0.250</u>	LTD	LTD	LTD	LTD	LTD		
Wabana	Mixed Supplies	Sep 18, 2023	0.260	0.9	LTD	0.320	0.013	0.008	LTD	LTD	0.099	LTD	LTD	0.002	0.096	LTD	7.900	<u>0.140</u>	LTD	LTD	LTD	LTD	LTD		
Wabana - PWDU	#3 Yard West Mines Road	Sep 18, 2023	0.140	1.3	LTD	0.140	0.051	0.061	LTD	LTD	0.099	0.00003	LTD	0.078	0.210	0.004	4.100	<u>0.100</u>	LTD	LTD	LTD	LTD	0.036		
Wabana - PWDU	#3 Yard West Mines Road	Sep 18, 2023	0.100	3.7	LTD	0.120	0.023	0.007	LTD	0.001	0.110	LTD	LTD	0.004	LTD	LTD	8.400	<u>0.260</u>	LTD	LTD	LTD	LTD	0.018		
Wabush																									

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	2.0	0.007	0.05	1.0 / 2.0	0.3	0.005		0.02 / 0.12	0.001		0.01	0.02	5.0
Aesthetic (A) or Contaminant (C) Parameter					C				C	C	C	C	C	A / C	A	C		A / C	C		C	C	A
Wabush																							
Wabush	Wahnahnish Lake	Jul 14, 2023	LTD	3.2	LTD	0.120	0.013	0.160	LTD	LTD	0.015	LTD	LTD	0.001	0.250	LTD	4.000	0.016	LTD	LTD	LTD	LTD	0.022

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

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 2.0 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 0.007 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 0.005 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.

Copper - The maximum acceptable concentration for copper in drinking water is 2.0 mg/L and the aesthetic objective for copper in drinking water is 1.0 mg/L. Copper is widely distributed in nature and is found frequently in surface water and in some groundwater. Usually, copper in tap water is the result of dissolution of copper piping within the distribution system. The aesthetic objective was set to ensure palatability and to minimize staining of laundry and plumbing fixtures. Copper is an essential element in human metabolism and copper deficiency results in a variety of clinical disorders. At extremely high doses copper intake can result in adverse health effects. High levels of copper in tap water may result in blue-green staining on some fixtures.

Manganese - The maximum acceptable concentration for manganese in drinking water is 0.12 mg/L and the aesthetic objective for manganese in drinking water is 0.02 mg/L. Usually, manganese in drinking water is the result of high amounts of manganese in the source water supply's bedrock. Levels above the maximum acceptable concentration can cause adverse health effects for some people. Levels above the aesthetic objective may cause staining of plumbing and laundry and undesirable tastes in beverages.

Iron - The aesthetic objective for iron in drinking water is 0.3 mg/L. Usually, iron in tap water is the result of high iron content in the raw water and dissolution of iron piping within the distribution system. Iron is an essential element in nutrition. High levels of iron in tap water can cause staining of laundry and plumbing fixtures, unpleasant taste, colour and promote biological growths in the distribution system.

Zinc - The aesthetic objective for zinc in drinking water is 5.0 mg/L. Zinc in water can be naturally occurring or due to zinc in plumbing materials. Zinc is an essential element for human nutrition. Long term ingestion of zinc has not resulted in adverse effects. Water with zinc concentrations higher than the aesthetic objective has an astringent taste and may be opalescent and develop a greasy film on boiling.

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