

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
Appleton																		
Appleton (+Glenwood)	Gander Lake (The Outflow)	Aug 30, 2023	6.10	<u>48</u>	23.0	6.40	6.78	13		0.59	LTD	LTD	1.40	3	LTD	0.200	2	LTD
Barachois Brook																		
Barachois Brook	Drilled	Aug 17, 2023	55.00	LTD	190.0	59.00	8.06	110		LTD	LTD	LTD	19.00	17	LTD	1.400	12	15
Bay St. George South																		
Heatherton	#1 Well Heatherton (Home Hardware)	Aug 18, 2023	140.00	11	1,400.0	620.00	7.77	<u>780</u>		0.46	0.17	LTD	220.00	58	0.140	5.000	44	<u>520</u>
St. Fintan's, St. David's	#1 Well St. Fintan's (The Y)	Aug 18, 2023	150.00	LTD	370.0	140.00	8.08	200		0.11	0.07	LTD	34.00	24	LTD	3.300	14	7
St. Fintan's	#2 Well St. Fintan's (Louis King)	Aug 18, 2023	190.00	LTD	900.0	280.00	7.88	500		0.20	LTD	LTD	79.00	120	LTD	2.300	68	62
Jeffrey's	#2 Well Jeffery's (Calvin Madore)	Aug 18, 2023	130.00	LTD	490.0	140.00	8.03	270		0.78	0.23	LTD	41.00	58	LTD	11.000	28	24
Jeffrey's	#1 Well Jeffery's (Joe Curnew)	Aug 18, 2023	97.00	LTD	880.0	200.00	8.01	490		LTD	0.29	LTD	56.00	79	0.160	8.400	81	210
Lock Leven	#6 Well Loch Leven (Jerry Quilty)	Aug 18, 2023	180.00	LTD	780.0	260.00	7.94	440		1.00	LTD	LTD	75.00	110	LTD	2.500	41	40
McKay's	#7 Well McKay's (Gordon Hulan)	Aug 18, 2023	170.00	LTD	700.0	240.00	7.97	390		0.16	0.12	LTD	68.00	40	LTD	4.900	41	110
Robinson's	#1 Well Robinson's (Louie MacDonald)	Aug 18, 2023	250.00	LTD	850.0	310.00	7.89	470		0.12	LTD	LTD	98.00	91	LTD	3.600	43	13
McKay's	#2B Lions Club Well	Aug 18, 2023	120.00	LTD	770.0	270.00	7.94	430		7.10	0.11	LTD	80.00	62	0.110	5.500	35	170
Jeffrey's	#3 Well Jeffery's (Sid Shears)	Aug 18, 2023	99.00	LTD	560.0	130.00	8.03	310		0.25	0.65	LTD	39.00	42	LTD	10.000	48	110
McKay's	#3 Woodworth Well McKay's	Aug 18, 2023	110.00	LTD	1,400.0	62.00	<u>8.54</u>	<u>780</u>		0.50	0.28	LTD	20.00	190	0.180	4.600	<u>250</u>	250
Highlands	#3 Brian Pumphrey Well Highlands	Aug 18, 2023	160.00	LTD	520.0	110.00	8.15	290		0.66	0.32	LTD	22.00	42	0.240	5.300	61	35
Robinson's	#3 Well Robinson's (Gales)	Aug 18, 2023	140.00	LTD	430.0	170.00	8.09	240		0.62	0.11	LTD	38.00	45	0.110	7.800	21	15
Bear Cove																		
Bear Cove	Lower Bear Cove	Aug 20, 2023	170.00	<u>20</u>	390.0	170.00	7.84	220		3.10	LTD	LTD	35.00	16	LTD	1.900	10	6
Bear Cove	Upper Bear Cove	Aug 20, 2023	240.00	LTD	600.0	210.00	7.97	340		LTD	0.27	LTD	40.00	29	0.190	9.800	39	12
Benoit's Siding																		

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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
Benoit's Siding																		
Benoit's Siding (aka Bennett's Siding)	Drilled	Aug 19, 2023	130.00	LTD	630.0	170.00	7.85	350		0.18	LTD	LTD	55.00	96	LTD	4.200	46	12
Doyles	# 2 Well Doyles	Aug 19, 2023	120.00	LTD	460.0	160.00	8.02	260		LTD	0.06	LTD	39.00	62	LTD	12.000	15	8
Black Duck																		
Black Duck (Siding)	#1 Well	Aug 14, 2023	110.00	LTD	270.0	98.00	8.04	150		LTD	LTD	LTD	29.00	15	LTD	0.670	13	3
Black Duck (Siding)	#2 Well	Aug 14, 2023	99.00	LTD	250.0	72.00	8.12	140		LTD	LTD	LTD	21.00	13	0.220	0.650	21	4
Brigus																		
Brigus (+Cupids, +South River)	Brigus Long Pond (to Brigus)	Sep 28, 2023	6.30	<u>32</u>	48.0	7.90	6.97	27		0.27	LTD	LTD	1.70	8	LTD	0.300	6	2
Cartwright																		
Cartwright	Burdett's Pond	Aug 14, 2023	3.40	<u>110</u>	21.0	3.00	<u>6.24</u>	12		0.90	LTD	LTD	0.53	3	LTD	0.170	2	LTD
Cartwright - PWDU	Burdett's Pond	Aug 14, 2023	3.40	<u>110</u>	21.0	3.00	<u>6.24</u>	12		0.90	LTD	LTD	0.53	3	LTD	0.170	2	LTD
Clarenville																		
Clarenville, Shoal Harbour	Shoal Harbour River	Sep 28, 2023	5.00	<u>62</u>	41.0	8.80	6.71	23		0.64	LTD	LTD	2.60	7	LTD	0.190	5	1
Cox's Cove																		
Upper Area	Upper Area Wellfield	Aug 14, 2023	150.00	LTD	360.0	150.00	8.04	200		LTD	LTD	LTD	42.00	LTD	0.230	3.000	17	LTD
Upper Area	Upper Area Wellfield	Aug 14, 2023	170.00	LTD	420.0	170.00	8.02	230		0.28	LTD	LTD	47.00	19	0.190	2.900	17	17
Cupids																		
Cupids	Brigus Long Pond (to Brigus)	Sep 28, 2023	6.30	<u>32</u>	48.0	7.90	6.97	27		0.27	LTD	LTD	1.70	8	LTD	0.300	6	2
Flat Bay																		
Flat Bay (East)	#3 Well	Aug 17, 2023	46.00	LTD	450.0	90.00	7.54	250		0.13	LTD	LTD	33.00	66	LTD	1.200	43	59
Flat Bay (East)	#1 Well	Aug 17, 2023	130.00	LTD	2,300.0	29.00	<u>8.94</u>	<u>1300</u>		0.25	0.47	1.00	6.20	<u>630</u>	0.390	3.700	<u>410</u>	58
Flat Bay West																		
Flat Bay West	#3 Well	Aug 17, 2023	74.00	LTD	280.0	49.00	8.13	160		0.28	LTD	LTD	15.00	34	LTD	1.300	40	17
Gillams																		

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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	C	A	C	A	C	A	C	
Gillams																		
Gillams	Meaters Pond	Jul 26, 2023	13.00	15	60.0	17.00	7.10	33		0.68	LTD	LTD	5.00	7	LTD	0.260	5	2
Glenwood																		
Glenwood	Gander Lake (The Outflow)	Aug 30, 2023	6.10	<u>48</u>	23.0	6.40	6.78	13		0.59	LTD	LTD	1.40	3	LTD	0.200	2	LTD
Great Codroy																		
Great Codroy East	#1 Well	Aug 19, 2023	120.00	LTD	360.0	150.00	7.91	200		LTD	LTD	LTD	46.00	17	LTD	1.800	12	30
Great Codroy West	#2 Well	Aug 19, 2023	230.00	LTD	540.0	240.00	7.85	300		0.19	LTD	LTD	71.00	21	LTD	2.000	12	11
Indian Bay																		
Indian Bay	Indian Bay Brook	Aug 22, 2023	4.40	<u>33</u>	29.0	6.10	6.75	16		0.38	LTD	LTD	1.30	5	LTD	0.180	3	LTD
Kippens																		
Kippens	Well Field	Aug 14, 2023	150.00	LTD	340.0	140.00	8.12	190		0.11	LTD	LTD	39.00	13	LTD	0.730	12	6
Kippens	Well Field	Aug 14, 2023	150.00	LTD	350.0	160.00	8.07	190		LTD	LTD	LTD	45.00	13	LTD	0.900	11	6
Kippens	Well Field	Aug 14, 2023	150.00	LTD	350.0	150.00	8.09	200		LTD	LTD	LTD	41.00	15	LTD	0.830	12	6
Kippens	Well Field	Aug 14, 2023	160.00	LTD	350.0	160.00	8.14	190		LTD	LTD	LTD	45.00	13	LTD	0.680	10	5
Lance Cove																		
Lance Cove	Local Service District Well	Sep 18, 2023	110.00	LTD	410.0	110.00	7.82	230		0.50	LTD	LTD	34.00	48	LTD	2.100	36	12
Mainland																		
Mainland	Cointres Brook (Backup Supply)	Sep 25, 2023	160.00	<u>28</u>	350.0	170.00	8.32	200		0.46	LTD	LTD	54.00	12	LTD	0.510	10	4
Makkovik																		
Makkovik	Ranger Bight Pond	Aug 29, 2023	3.50	<u>27</u>	29.0	6.80	6.74	16		1.10	LTD	LTD	1.90	4	0.150	0.260	3	2
Makkovik - PWDU	Ranger Bight Pond	Aug 29, 2023	3.50	<u>27</u>	29.0	6.80	6.74	16		1.10	LTD	LTD	1.90	4	0.150	0.260	3	2
Mattis Point																		
Mattis Point	Drilled	Aug 17, 2023	81.00	LTD	260.0	45.00	<u>8.58</u>	150		0.11	LTD	LTD	14.00	25	0.130	0.280	36	14
O'Regans East																		

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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
O'Regans East																		
O'Regan's East	Drilled	Aug 19, 2023	110.00	LTD	450.0	150.00	7.71	250		LTD	LTD	LTD	48.00	59	LTD	3.100	26	13
Piccadilly Slant-Abraham's Cove																		
Abraham's Cove	#2 Well - Abraham's Cove	Aug 14, 2023	240.00	13	550.0	220.00	7.88	310		0.58	LTD	LTD	78.00	31	LTD	1.300	20	12
Piccadilly Slant	#1 Well - Piccadilly Slant	Aug 14, 2023	210.00	LTD	530.0	230.00	7.99	290		LTD	LTD	LTD	66.00	31	LTD	1.200	17	25
Point Lance																		
Point Lance (5 houses)	Well	Aug 21, 2023	120.00	LTD	340.0	34.00	<u>9.10</u>	190		0.28	0.06	LTD	10.00	25	0.500	0.250	63	9
Port au Port East																		
Port au Port East	Drilled Well - 75-80% Berry Head Watershed - 20-25%	Aug 15, 2023	150.00	7	350.0	160.00	8.13	190		LTD	LTD	LTD	47.00	16	LTD	0.460	8	4
Port au Port West-Aguathuna-Felix Cove																		
Port au Port West, Aguathuna	#1 & #3 & #6 FatherJoy's Well	Aug 15, 2023	190.00	LTD	510.0	220.00	7.88	290		0.46	LTD	LTD	68.00	48	0.110	1.000	26	9
Port au Port West, Aguathuna	#1 & #3 & #6 FatherJoy's Well	Aug 15, 2023	200.00	LTD	520.0	220.00	7.99	290		LTD	0.06	LTD	58.00	47	0.360	2.600	24	13
Port au Port West, Aguathuna	#1 & #3 & #6 FatherJoy's Well	Aug 15, 2023	190.00	LTD	590.0	230.00	8.02	330		0.29	0.08	LTD	56.00	66	0.330	3.100	34	17
Felix Cove	#4-Goose Pond Road Well	Aug 15, 2023	240.00	LTD	530.0	260.00	8.03	300		8.10	LTD	LTD	68.00	29	0.110	1.100	15	7
Felix Cove	#5 Ocean View Drive Well	Aug 15, 2023	250.00	LTD	600.0	270.00	8.02	340		LTD	0.06	LTD	68.00	42	0.160	2.000	21	9
Postville																		
Postville	Big Pond	Aug 29, 2023	4.10	<u>46</u>	24.0	5.60	6.80	13		0.45	LTD	LTD	1.50	3	LTD	0.260	3	LTD
Postville - PWDU	Big Pond	Aug 29, 2023	4.10	<u>46</u>	24.0	5.60	6.80	13		0.45	LTD	LTD	1.50	3	LTD	0.260	3	LTD
Raleigh																		
Raleigh	#4 Well	Aug 21, 2023	170.00	LTD	450.0	96.00	8.18	250		0.17	0.11	LTD	24.00	27	LTD	4.300	54	12
Rigolet																		
Rigolet	Rigolet Pond	Aug 29, 2023	5.80	<u>72</u>	23.0	7.90	6.67	13		1.50	LTD	LTD	2.30	2	LTD	0.140	2	LTD
Rigolet - PWDU	Rigolet Pond	Aug 29, 2023	5.80	<u>72</u>	23.0	7.90	6.67	13		1.50	LTD	LTD	2.30	2	LTD	0.140	2	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						
Sheaves Cove																		
Sheaves Cove	Drilled	Aug 15, 2023	200.00	7	640.0	230.00	8.03	350		0.29	LTD	LTD	71.00	63	LTD	0.930	42	29
Sheppardville																		
Sheppardville	Drilled	Aug 13, 2023	62.00	11	150.0	56.00	7.84	86		LTD	LTD	LTD	19.00	5	0.260	0.250	9	5
Ship Cove-Lower Cove-Jerry's Nose																		
Ship Cove, Jerry's Nose	#5 Well - Murdock Wheeler Well	Aug 15, 2023	230.00	LTD	530.0	240.00	8.03	290		LTD	LTD	LTD	60.00	29	LTD	0.810	13	5
Lower Cove	#6 Well - Lower Cove Well	Aug 15, 2023	200.00	LTD	660.0	260.00	7.99	370		LTD	LTD	LTD	72.00	79	LTD	1.200	37	11
Ship Cove East	#3 Well - Bernard Brake Well	Aug 15, 2023	210.00	LTD	650.0	260.00	8.01	360		LTD	LTD	LTD	82.00	74	LTD	1.600	38	12
Ship Cove, Jerry's Nose	#2 Well - Howard & Rodney Jesso Well	Aug 15, 2023	240.00	LTD	770.0	280.00	7.95	430		0.16	LTD	LTD	85.00	91	LTD	1.400	48	10
Ship Cove, Jerry's Nose	#1 Well - PJ's Variety Well	Aug 15, 2023	240.00	LTD	800.0	280.00	8.00	450		0.72	0.06	LTD	83.00	100	0.110	2.200	49	11
Ship Cove, Jerry's Nose	#4B Well - Nancy Rowe Well	Aug 15, 2023	180.00	<u>31</u>	480.0	190.00	7.88	270		5.70	LTD	LTD	64.00	37	LTD	1.500	24	9
South River																		
South River	Brigus Long Pond (to Brigus)	Sep 28, 2023	6.30	<u>32</u>	48.0	7.90	6.97	27		0.27	LTD	LTD	1.70	8	LTD	0.300	6	2
St. Andrews																		
St. Andrew's	#1 Well	Aug 19, 2023	130.00	LTD	830.0	250.00	7.65	460		LTD	LTD	LTD	74.00	150	LTD	4.700	47	11
St. Andrew's	#2 Well	Aug 19, 2023	130.00	LTD	700.0	64.00	7.98	390		0.56	LTD	LTD	20.00	120	0.210	2.900	100	10
St. Andrew's East	#3 Well	Aug 19, 2023	120.00	LTD	460.0	75.00	7.94	260		0.37	LTD	LTD	24.00	60	LTD	4.000	64	10
Air Strip Road	#4 Well Strip Road Well	Aug 19, 2023	170.00	LTD	510.0	120.00	8.05	280		1.00	0.06	LTD	36.00	54	0.210	4.000	51	10
St. George's																		
St. George's	Wellfield	Aug 16, 2023	50.00	LTD	240.0	44.00	7.70	130		0.32	LTD	LTD	12.00	43	LTD	0.880	27	7
St. George's	Wellfield	Aug 16, 2023	53.00	LTD	460.0	74.00	7.49	250		4.50	LTD	LTD	18.00	99	LTD	1.300	57	15
St. George's	Wellfield	Aug 16, 2023	56.00	LTD	300.0	39.00	7.52	170		0.37	LTD	LTD	10.00	55	LTD	0.880	41	12

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			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			15			6.5 - 8.5	500		1.0	5.0			250	1.5		200	500
			Aesthetic (A) or Contaminant (C) Parameter			A			A	A		C	C			A	C		A	A
St. George's																				
St. George's	Wellfield	Aug 16, 2023	31.00	<u>18</u>	240.0	38.00	7.36	130		LTD	LTD	LTD	12.00	52	LTD	0.530	28	7		
St. Lunaire-Griquet																				
St. Lunaire-Griquet	Drilled	Aug 21, 2023	230.00	<u>53</u>	800.0	88.00	7.99	450		0.47	0.14	LTD	25.00	94	LTD	5.800	130	7		
Steady Brook																				
Steady Brook	Wellfield + Steady Brook	Aug 14, 2023	70.00	LTD	390.0	150.00	7.92	220		0.51	LTD	LTD	54.00	27	LTD	2.200	11	82		
Stephenville																				
Stephenville	Well Field	Aug 16, 2023	170.00	LTD	400.0	180.00	8.10	220		0.21	LTD	LTD	54.00	12	LTD	1.200	10	20		
Stephenville	Well Field	Aug 16, 2023	150.00	LTD	350.0	170.00	8.13	190		0.14	LTD	LTD	50.00	15	LTD	0.800	8	4		
Stephenville	Well Field	Aug 16, 2023	150.00	LTD	360.0	160.00	8.15	200		LTD	LTD	LTD	50.00	17	LTD	0.800	9	4		
Stephenville	Well Field	Aug 16, 2023	140.00	LTD	320.0	140.00	8.15	180		LTD	LTD	LTD	37.00	11	LTD	0.770	14	7		
Stephenville	Well Field	Aug 16, 2023	170.00	LTD	430.0	180.00	8.14	240		0.18	LTD	LTD	54.00	29	LTD	0.970	15	7		
Stephenville	Well Field	Aug 16, 2023	180.00	<u>26</u>	430.0	170.00	8.03	240		LTD	LTD	LTD	54.00	27	LTD	0.940	17	4		
Stephenville	Well Field	Aug 16, 2023	160.00	LTD	360.0	130.00	8.09	200		0.33	LTD	LTD	39.00	15	LTD	1.100	26	11		
Stephenville	Well Field	Aug 16, 2023	170.00	LTD	400.0	180.00	8.19	220		0.31	LTD	LTD	55.00	12	LTD	1.200	10	19		
Stephenville	Well Field	Aug 16, 2023	140.00	LTD	320.0	130.00	8.16	180		LTD	LTD	LTD	33.00	12	LTD	0.770	19	9		
Stephenville Crossing																				
Stephenville Crossing	Well Fields 1 & 2	Aug 16, 2023	140.00	LTD	340.0	140.00	8.13	190		LTD	LTD	LTD	43.00	22	0.100	1.100	15	6		
Stephenville Crossing	Well Fields 1 & 2	Aug 16, 2023	170.00	LTD	420.0	180.00	8.02	240		0.45	LTD	LTD	54.00	36	LTD	1.200	13	7		
Stephenville Crossing	Well Fields 1 & 2	Aug 16, 2023	140.00	LTD	440.0	160.00	7.96	240		LTD	LTD	LTD	52.00	51	LTD	1.000	20	8		
Stephenville Crossing	Well Fields 1 & 2	Aug 16, 2023	150.00	LTD	330.0	150.00	8.05	180		LTD	LTD	LTD	45.00	12	LTD	1.100	10	5		
Tompkins																				

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
Tompkins																		
Tompkins	Greg Wall Well	Aug 19, 2023	120.00	LTD	480.0	110.00	8.00	270		0.61	0.06	LTD	33.00	54	0.140	3.300	49	26
Upper Ferry																		
Upper Ferry - Lower	#1 Well - Gerard Brownrigg Well	Aug 19, 2023	160.00	LTD	360.0	160.00	8.06	200		LTD	LTD	LTD	45.00	16	LTD	1.500	9	3
Upper Ferry - Middle	#2 Well - Hughie MacIsaac Well	Aug 19, 2023	100.00	LTD	280.0	110.00	7.93	150		LTD	LTD	LTD	33.00	18	LTD	1.800	10	6
Upper Ferry - Upper	#3 Well - Marshall Devoe Well	Aug 19, 2023	130.00	LTD	350.0	140.00	7.92	190		LTD	LTD	LTD	44.00	21	LTD	1.900	11	6
Upper Ferry	#4 Well - Angus MacNeil Well	Aug 19, 2023	180.00	LTD	600.0	85.00	8.11	330		LTD	0.17	LTD	21.00	55	0.290	6.700	87	36
Wabana																		
Wabana	Middleton Ave	Sep 18, 2023	100.00	7	320.0	100.00	7.84	180		LTD	LTD	LTD	28.00	30	LTD	0.840	27	4
Wabana	#3 Yard West Mines Road	Sep 18, 2023	150.00	12	430.0	130.00	8.05	240		0.23	LTD	LTD	36.00	34	LTD	1.200	36	13
Wabana	#3 Yard West Mines Road	Sep 18, 2023	150.00	LTD	440.0	62.00	8.19	240		1.30	LTD	LTD	18.00	39	0.120	1.300	72	13
Wabana	#4-West Mines Road	Sep 18, 2023	120.00	20	320.0	91.00	8.07	180		0.10	LTD	LTD	25.00	18	LTD	0.980	30	6
Wabana	Normore Crescent East #1	Sep 18, 2023	120.00	10	420.0	120.00	8.01	230		0.12	LTD	LTD	36.00	44	LTD	1.600	35	15
Wabana	Quigley's Line	Sep 18, 2023	130.00	11	430.0	130.00	7.99	240		LTD	LTD	LTD	39.00	40	LTD	1.900	35	13
Wabana	St. Edward's Memorial St.	Sep 18, 2023	200.00	LTD	570.0	7.70	9.46	320		1.20	0.06	LTD	2.40	38	0.370	0.960	130	11
Wabana	Mixed Supplies	Sep 18, 2023	130.00	19	450.0	140.00	7.92	250		100.00	LTD	LTD	46.00	41	LTD	1.700	33	19
Wabana	Mixed Supplies	Sep 18, 2023	130.00	7	370.0	130.00	7.96	210		1.00	LTD	LTD	43.00	26	0.100	1.300	20	12
Wabana	Mixed Supplies	Sep 18, 2023	120.00	14	440.0	150.00	7.91	240		0.94	LTD	LTD	49.00	41	LTD	1.500	23	21
Wabana	Mixed Supplies	Sep 18, 2023	140.00	5	510.0	110.00	8.15	290		0.10	LTD	LTD	33.00	59	0.120	2.800	59	15
Wabana - PWDU	#3 Yard West Mines Road	Sep 18, 2023	150.00	LTD	440.0	62.00	8.19	240		1.30	LTD	LTD	18.00	39	0.120	1.300	72	13
Wabana - PWDU	#3 Yard West Mines Road	Sep 18, 2023	150.00	12	430.0	130.00	8.05	240		0.23	LTD	LTD	36.00	34	LTD	1.200	36	13

Wabush

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
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
Wabush																		
Wabush	Wahnahnish Lake	Jul 14, 2023	41.00	13	78.0	39.00	7.77	43		0.30	LTD	LTD	9.20	LTD	LTD	0.970	1	2

Source Water Quality for Public Water Supplies in Newfoundland and Labrador

Physical Parameters and Major Ions

Serviced Area(s)	Source Name	Sample Date	Alkalinity	Colour	Conductivity	Hardness	pH	TDS	TSS	Turbidity	Boron	Bromide	Calcium	Chloride	Fluoride	Potassium	Sodium	Sulphate
		Units	mg/L	TCU	µS/cm	mg/L		mg/L	mg/L	NTU	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Guidelines for Canadian Drinking Water Quality			15			6.5 - 8.5	500		1.0	5.0			250	1.5		200	500
	Aesthetic (A) or Contaminant (C) Parameter			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