Water Resources
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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
Admirals Beach																		
Admiral's Beach	2 Well Fields	Jun 13, 2025	120.00	19	290.0	110.00	8.12	160		LTD	LTD	LTD	25.00	16	0.200	1.500	19	7
Admiral's Beach	2 Well Fields	Jun 13, 2025	82.00	LTD	240.0	82.00	8.04	140		0.25	LTD	LTD	18.00	14	0.260	0.660	19	18
Admiral's Beach	2 Well Fields	Jun 13, 2025	110.00	LTD	290.0	120.00	8.08	160		LTD	LTD	LTD	26.00	14	0.100	1.300	12	10
Admiral's Beach	2 Well Fields	Jun 13, 2025	110.00	LTD	280.0	120.00	7.96	160		0.27	LTD	LTD	28.00	14	0.100	1.300	11	14
Appleton																		
Appleton (+Glenwood)	Gander Lake (The Outflow)	Jun 10, 2025	4.00	66	23.0	5.80	6.71	13		0.27	LTD	LTD	1.30	3	LTD	0.180	2	LTD
Bauline																		
Bauline	#1 Brook Path Well	May 20, 2025	45.00	25	300.0	74.00	7.53	170		0.18	LTD	LTD	22.00	56	LTD	0.650	26	9
Blaketown																		
Blaketown South	#1 Selby Mercer Well	Jun 12, 2025	43.00	LTD	240.0	42.00	7.30	130		0.31	LTD	LTD	11.00	38	LTD	1.500	29	9
Blaketown	#2 Daphne Pincent Well	Jun 12, 2025	97.00	LTD	290.0	52.00	7.97	160		0.44	0.09	LTD	13.00	26	0.200	1.800	42	8
Blaketown North	#4 Hilda Barrett Well	Jun 12, 2025	83.00	LTD	250.0	67.00	7.93	140		0.15	0.10	LTD	18.00	22	0.180	1.600	26	11
Blaketown Centre	#3 Fred Osborne Well	Jun 12, 2025	110.00	6	260.0	25.00	8.60	150		0.18	0.10	LTD	7.00	16	0.150	2.000	50	3
Branch																		
Branch	Drilled Wells	May 27, 2025	100.00	LTD	280.0	92.00	8.02	160		0.42	LTD	LTD	31.00	18	LTD	2.600	22	9
Brigus South																		
Dunphey's Hill area	#2 Well Dunphey's Hilll	Jun 25, 2025	120.00	LTD	400.0	140.00	8.03	220		0.35	LTD	LTD	49.00	44	LTD	0.610	21	15
Forge Hill area	#1 Well Forge Hill	Jun 25, 2025	120.00	7	380.0	140.00	7.83	210		0.14	LTD	LTD	51.00	36	LTD	0.870	21	9
Near highway	#3 Well Main Road	Jun 25, 2025	34.00	LTD	110.0	32.00	7.30	59		LTD	LTD	LTD	10.00	9	LTD	0.520	8	3
Bryant's Cove																		
Bryant's Cove South Side	#1 Well - Bert James Well #2 Well - Baxter Bowering Well	May 30, 2025	71.00	LTD	240.0	98.00	7.98	130		0.17	LTD	LTD	32.00	16	LTD	0.520	9	25
Cavendish																		

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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
		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
Cavendish																		
North Side Cavendish	#1 Well - Max Bishop	Jun 12, 2025	94.00	LTD	340.0	120.00	7.77	190		0.19	LTD	LTD	35.00	31	LTD	1.800	21	16
North Side Cavendish	#2 Well - Tom Critch	Jun 12, 2025	98.00	LTD	300.0	86.00	7.74	170		0.31	LTD	LTD	25.00	28	LTD	1.300	27	9
Chance Cove																		
Back Cove Area	Olive Smith Well	May 26, 2025	60.00	LTD	220.0	39.00	7.76	120		LTD	LTD	LTD	14.00	24	0.130	0.550	30	12
New Housing Area	New Housing Area Well	May 27, 2025	92.00	LTD	240.0	77.00	8.01	130		0.12	LTD	LTD	25.00	17	LTD	0.450	22	6
Lower Cove	#5B Albert Rowe Well	May 26, 2025	120.00	6	280.0	110.00	7.94	150		LTD	LTD	LTD	38.00	13	LTD	0.580	12	5
Upper Cove	Hollett's Well	May 26, 2025	91.00	LTD	480.0	91.00	7.97	270		2.30	LTD	LTD	34.00	80	0.140	0.530	60	22
Clarenville																		
Clarenville, Shoal Harbour	Shoal Harbour River	May 27, 2025	5.70	62	61.0	9.10	6.90	34		0.29	LTD	LTD	2.80	12	LTD	0.180	7	2
Clarke's Beach																		
Otterbury	#1 Well - Quinlon Well	May 30, 2025	73.00	LTD	210.0	78.00	7.95	110		0.93	LTD	LTD	23.00	9	0.120	1.200	10	16
Otterbury	#2 Well - Delaney Well	May 30, 2025	79.00	19	220.0	90.00	7.95	120		LTD	LTD	LTD	24.00	11	LTD	0.460	8	15
Colliers																		
Merrigan's Lane + Main Rd	#2 Well - Merrigan's Well	Jun 09, 2025	100.00	LTD	320.0	65.00	8.17	180		0.27	LTD	LTD	24.00	23	LTD	1.300	43	17
Harbour Drive & Main Road	#3 Well - Griffin's Well	Jun 09, 2025	93.00	LTD	450.0	80.00	8.01	250		0.31	LTD	LTD	27.00	73	LTD	0.790	58	9
Harbour Drive	#4 Well - Flynn's Well	Jun 09, 2025	88.00	LTD	550.0	170.00	7.94	300		LTD	LTD	LTD	60.00	100	LTD	0.870	38	17
Harbour Drive	#5 Well - Whalen's Well	Jun 09, 2025	39.00	LTD	220.0	49.00	7.42	120		0.22	LTD	LTD	16.00	35	LTD	1.700	21	6
Conception Harbour																		
Healey's Pond Rd, Old Rd & Main Rd	Healey's Pond Road Well	May 22, 2025	54.00	LTD	200.0	44.00	8.06	110		0.10	0.05	LTD	14.00	17	0.100	0.920	25	17
Cemetery Road & Main Road	Cemetery Road Well	May 22, 2025	76.00	LTD	210.0	69.00	7.82	120		LTD	LTD	LTD	25.00	11	LTD	0.900	18	6
Upper Bacon Cove, Kitchuses	Upper Bacon Cove Well	May 22, 2025	110.00	LTD	270.0	100.00	8.00	150		0.11	LTD	LTD	37.00	11	LTD	2.100	16	5

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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
		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
Conception Harbour																		
Lower Bacon Cove	Lower Bacon Cove Well	May 22, 2025	100.00	LTD	340.0	100.00	7.97	190		0.12	LTD	LTD	36.00	34	LTD	2.200	28	6
Old Road and Coles Cresent	Old Road Well	May 22, 2025	86.00	LTD	320.0	97.00	8.02	180		LTD	LTD	LTD	33.00	41	LTD	0.990	24	7
Fermeuse																		
Fermeuse	Port Kirwan Road Well	Jun 25, 2025	110.00	LTD	400.0	150.00	7.93	220		LTD	LTD	LTD	43.00	45	LTD	1.100	21	11
Freshwater																		
Freshwater (Carbonear)	#2 Well - Covage's Lane Well	May 29, 2025	38.00	LTD	130.0	40.00	7.48	71		0.25	LTD	LTD	14.00	10	LTD	0.250	7	7
Freshwater (Carbonear)	#3 Well - Wallace Snow Well	May 29, 2025	100.00	LTD	1,300.0	320.00	7.98	750		LTD	LTD	LTD	88.00	310	LTD	0.770	130	64
Gaskiers																		
Gaskiers-Point La Haye - PWDU	Well	Jun 05, 2025	64.00	LTD	210.0	58.00	8.18	110		4.50	LTD	LTD	13.00	15	0.160	1.200	18	13
Georgetown																		
Georgetown	Drilled	Jun 09, 2025	49.00	LTD	180.0	57.00	7.80	100		LTD	LTD	LTD	18.00	16	LTD	0.360	12	11
Glenwood																		
Glenwood	Gander Lake (The Outflow)	Jun 10, 2025	4.00	66	23.0	5.80	6.71	13		0.27	LTD	LTD	1.30	3	LTD	0.180	2	LTD
Grates Cove																		
Grates Cove South End	#4 Stoyles Hill Well	Jun 24, 2025	88.00	LTD	390.0	120.00	8.03	220		LTD	LTD	LTD	34.00	61	LTD	0.930	29	7
Grates Cove North End	#3 Frank Janes Well	Jun 24, 2025	110.00	LTD	310.0	110.00	7.99	170		0.15	LTD	LTD	30.00	25	LTD	0.950	20	4
Grates Cove Centre	#1C Well	Jun 24, 2025	91.00	LTD	240.0	88.00	8.18	130		0.14	LTD	LTD	24.00	17	LTD	0.490	15	3
Harbour Grace																		
Riverhead	Mercer's Rd. Well	May 29, 2025	66.00	LTD	540.0	100.00	7.85	300		LTD	LTD	LTD	29.00	120	LTD	0.610	58	13
Harbour Grace South Upper	Southside Wellfield (Well #1 & #2)	May 29, 2025	89.00	LTD	220.0	90.00	8.03	120		LTD	LTD	LTD	30.00	9	LTD	0.330	8	8
Thickett	#1 Thicket Susie Galway Well	May 29, 2025	35.00	LTD	110.0	38.00	7.63	60		LTD	LTD	LTD	11.00	8	LTD	0.370	6	3
Thickett	#2 Thicket New Well	May 29, 2025	69.00	LTD	320.0	110.00	7.93	180		LTD	LTD	LTD	29.00	50	LTD	0.420	18	9

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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
		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
Harbour Grace																		
Harbour Grace South Lower	New Southside Well (Well#3)	May 29, 2025	75.00	5	200.0	56.00	8.14	110		0.71	LTD	LTD	17.00	10	LTD	0.420	21	7
Harbour Main-Chapel's Cove-Lakeview																		
Harbour Main, Chapel's Cove, Lakeview	Flynn's Hill Well	May 22, 2025	110.00	LTD	380.0	120.00	7.45	210		0.10	LTD	LTD	42.00	46	LTD	1.100	31	11
Harbour Main, Chapel's Cove, Lakeview	Holden's Road Well	May 22, 2025	55.00	LTD	210.0	71.00	7.49	120		LTD	LTD	LTD	26.00	23	LTD	0.970	14	5
Holyrood																		
Holyrood	Main Line	May 20, 2025	190.00	LTD	570.0	180.00	7.87	320		**2.90**	LTD	LTD	65.00	73	LTD	1.400	49	10
Holyrood	Main Line	May 20, 2025	170.00	LTD	570.0	160.00	7.97	320		**4.90**	LTD	LTD	58.00	68	LTD	1.200	54	18
Holyrood	Main Line	May 20, 2025	100.00	LTD	360.0	74.00	7.90	200		**6.40**	LTD	LTD	27.00	54	LTD	0.590	46	10
Holyrood	Main Line	May 20, 2025	46.00	LTD	220.0	58.00	7.70	120		0.10	LTD	LTD	20.00	30	LTD	0.460	20	13
Holyrood	O'Connell's Well	May 20, 2025	100.00	LTD	360.0	100.00	7.92	200		0.41	LTD	LTD	38.00	44	LTD	0.610	31	8
Holyrood	Woodford Station - Healey's Well and Quinlan's Well	May 20, 2025	140.00	LTD	420.0	150.00	7.79	230		0.20	LTD	LTD	55.00	40	LTD	1.600	25	8
Holyrood	Woodford Station - Healey's Well and Quinlan's Well	May 20, 2025	83.00	LTD	210.0	40.00	8.31	120		0.51	LTD	LTD	15.00	10	0.160	0.370	29	7
Hopeall																		
Hopeall	Charles Cumby Well	Jun 12, 2025	73.00	LTD	220.0	69.00	7.75	120		0.23	LTD	LTD	20.00	19	LTD	1.000	17	4
Gilberts Hill	Gilberts Hill Well	Jun 12, 2025	68.00	12	190.0	58.00	7.62	110		0.84	LTD	LTD	18.00	13	LTD	2.100	15	4
Indian Bay																		
Indian Bay	Indian Bay Brook	Jun 11, 2025	2.90	**48**	29.0	5.10	6.68	16		0.52	LTD	LTD	1.10	5	LTD	0.160	3	1
Lance Cove																		
Lance Cove	Local Service District Well	Jun 17, 2025	110.00	LTD	390.0	100.00	7.95	220		0.19	LTD	LTD	32.00	47	0.120	2.000	37	11
Makinsons																		
Turkswater & Hodgewater Line West	Country Path Wells	Jun 09, 2025	110.00	LTD	420.0	11.00	**9.32**	230		0.12	LTD	LTD	3.30	46	LTD	0.630	86	16
Turkswater & Hodgewater Line West	Country Path Wells	Jun 09, 2025	120.00	LTD	430.0	10.00	**9.39**	240		0.17	LTD	LTD	3.00	48	LTD	0.620	84	16

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		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
Makinsons																		
Hodgewater Line East & Juniper Stump	Taylor's Wells	Jun 09, 2025	97.00	21	440.0	130.00	7.93	250		0.26	LTD	LTD	38.00	70	LTD	0.710	35	10
Hodgewater Line East & Juniper Stump	Taylor's Wells	Jun 09, 2025	86.00	LTD	460.0	140.00	8.09	260		0.16	LTD	LTD	40.00	79	LTD	0.470	31	14
Marysvale																		
Marysvale, Long Pond	Drilled	Jun 09, 2025	21.00	35	120.0	25.00	7.13	69		15.00	LTD	LTD	6.40	21	LTD	0.580	12	5
New Harbour																		
New Harbour	Williams Hill Well	Jun 12, 2025	110.00	LTD	270.0	88.00	8.08	150		0.38	LTD	LTD	27.00	15	LTD	1.800	23	6
O'Donnells																		
O'Donnell's	Well Field	Jun 04, 2025	82.00	LTD	370.0	110.00	7.76	210		LTD	LTD	LTD	31.00	53	0.160	1.300	28	16
O'Donnell's	Well Field	Jun 04, 2025	46.00	LTD	470.0	74.00	7.26	260		0.19	LTD	LTD	20.00	100	LTD	1.500	51	14
O'Donnell's	Well Field	Jun 04, 2025	150.00	LTD	400.0	19.00	9.50	220		1.60	0.08	LTD	4.60	19	1.600	1.100	82	22
O'Donnell's	Well Field	Jun 18, 2025	85.00	LTD	270.0	73.00	8.34	150		0.23	LTD	LTD	16.00	19	0.400	0.700	27	21
Port Kirwan																		
North Side	Dug Well / Drilled Well	Jun 25, 2025	31.00	LTD	110.0	29.00	6.99	59		LTD	LTD	LTD	8.70	11	LTD	0.340	9	4
Port Kirwan	Developed Spring	Jun 25, 2025	8.60	LTD	77.0	14.00	6.68	43		0.28	LTD	LTD	4.00	13	LTD	0.340	8	4
Renews-Cappahayden																		
Cappahayden	#1 Dinn's Well	Jun 25, 2025	110.00	LTD	310.0	100.00	8.06	170		0.23	LTD	LTD	26.00	34	0.130	2.100	25	12
Riverhead																		
Riverhead (St. Mary's Bay)	Well Field	Jun 05, 2025	11.00	LTD	120.0	16.00	6.57	65		LTD	LTD	LTD	3.50	23	LTD	0.650	14	3
Riverhead (St. Mary's Bay)	Well Field	Jun 05, 2025	17.00	LTD	100.0	17.00	6.78	56		0.27	LTD	LTD	3.70	16	LTD	0.570	12	3
Small Point-Adam's Cove-Blackhead-Broad Cove																		
Adam's Cove	#1 Well - Reg Bursey Well	Apr 23, 2025	96.00	LTD	270.0	74.00	8.19	150		LTD	LTD	LTD	19.00	17	0.140	0.370	23	18
Adam's Cove	#1 Well - Reg Bursey Well	May 28, 2025	87.00	LTD	280.0	84.00	8.01	160		0.14	LTD	LTD	22.00	19	0.140	0.450	24	21

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		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
Small Point-Adam's Cove-Blackhead-Broad Cove																		
Blackhead + Adam's Cove	#4 Well - Leonard King Well	Jun 24, 2025	82.00	LTD	340.0	130.00	8.06	190		0.21	LTD	LTD	32.00	38	0.150	0.740	13	33
Broad Cove	#6 Well - Herb Trickett Well	Jun 24, 2025	100.00	LTD	300.0	100.00	8.15	170		0.23	LTD	LTD	29.00	23	0.100	1.100	20	13
Small Point	#8 Well - Effie Flight Wells	Jun 24, 2025	73.00	LTD	360.0	97.00	7.90	200		LTD	LTD	LTD	23.00	55	LTD	0.940	30	11
Small Point	#9 Well - Walter Reynolds Well	Jun 24, 2025	26.00	LTD	150.0	36.00	7.33	84		0.21	LTD	LTD	9.50	22	LTD	0.770	13	6
Broad Cove	#10 Well - Cantwood Hill Well	Jun 24, 2025	94.00	LTD	290.0	110.00	8.05	160		0.26	LTD	LTD	33.00	23	LTD	2.100	13	17
South Dildo																		
South Dildo	#5 Well - Calvin Reid Well	Jun 12, 2025	85.00	LTD	330.0	57.00	8.22	190		0.13	0.09	LTD	16.00	42	0.180	2.200	46	14
St. Joseph's																		
St. Joseph's S.M.B.	Drilled	Jun 04, 2025	94.00	LTD	240.0	60.00	8.43	130		2.90	LTD	LTD	17.00	14	0.390	1.200	29	7
St. Mary's																		
St. Mary's	Wellfield	Jun 05, 2025	88.00	LTD	260.0	69.00	8.26	140		0.12	LTD	LTD	16.00	15	0.130	1.100	26	19
St. Mary's	Wellfield	Jun 05, 2025	83.00	LTD	280.0	17.00	8.64	150		LTD	LTD	LTD	4.30	17	0.550	0.920	50	24
St. Mary's	Wellfield	Jun 05, 2025	94.00	LTD	280.0	72.00	8.20	150		3.70	LTD	LTD	16.00	17	0.190	1.200	29	20
St. Mary's	Wellfield	Jun 05, 2025	89.00	LTD	280.0	61.00	8.23	160		LTD	LTD	LTD	14.00	21	0.320	0.890	34	17
St. Mary's	Wellfield	Jun 05, 2025	110.00	LTD	300.0	80.00	8.20	170		0.29	LTD	LTD	18.00	17	0.140	1.300	31	16
St. Mary's	Wellfield	Jun 05, 2025	120.00	LTD	340.0	18.00	9.11	190		0.14	0.09	LTD	4.30	18	1.700	0.920	66	22
St. Mary's	Wellfield	Jun 05, 2025	88.00	LTD	300.0	9.80	8.83	170		0.21	LTD	LTD	2.60	22	0.800	0.740	60	26
Wabana																		
Wabana	Middleton Ave	Jun 17, 2025	96.00	5	290.0	84.00	7.76	160		0.88	LTD	LTD	25.00	25	0.100	1.100	24	8
Wabana	#4-West Mines Road	Jun 17, 2025	120.00	21	300.0	93.00	8.12	170		0.11	LTD	LTD	26.00	18	LTD	0.930	28	6
Wabana	Normore Crescent East #1	Jun 17, 2025	120.00	11	400.0	120.00	7.94	230		0.12	LTD	LTD	38.00	42	LTD	1.500	32	16

Water Resources
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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
Wabana																		
Wabana	Scotia #1	Jun 17, 2025	120.00	11	290.0	77.00	8.06	160		0.21	LTD	LTD	21.00	17	LTD	0.800	32	3
Wabana	St. Edward's Memorial St.	Jun 17, 2025	180.00	LTD	520.0	6.10	9.39	290		1.70	LTD	LTD	2.00	42	0.320	0.850	110	13
Wabana	Mixed Supplies	Jun 17, 2025	140.00	6	390.0	140.00	7.96	220		1.40	LTD	LTD	44.00	34	0.110	1.400	26	16
Wabana	Mixed Supplies	Jun 17, 2025	150.00	LTD	510.0	92.00	8.28	280		0.21	LTD	LTD	27.00	60	0.200	2.400	68	15
Wabana	Mixed Supplies	Jun 17, 2025	130.00	7	420.0	130.00	7.96	230		0.42	LTD	LTD	43.00	38	0.120	1.600	31	20
Wabana	Mixed Supplies	Jun 17, 2025	120.00	11	310.0	110.00	8.12	170		0.23	LTD	LTD	28.00	24	LTD	0.650	23	5
Wabana	Mixed Supplies	Jun 17, 2025	110.00	39	300.0	120.00	7.82	170		0.24	LTD	LTD	34.00	23	LTD	0.940	16	6
Wabana	Mixed Supplies	Jun 17, 2025	140.00	10	420.0	140.00	7.92	230		36.00	LTD	LTD	45.00	40	LTD	1.500	28	19
West St. Modeste																		
West St. Modeste	Well Field	Jun 24, 2025	76.00	44	220.0	42.00	7.61	120		0.35	0.08	LTD	10.00	18	0.360	2.300	30	5

Water Resources
Management Division

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 encrustration 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