Department of Municipal Affairs and Environment

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	Selinium	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	0.005		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	A	C		A / C	C		C	C	A
Admirals Beach																							
Admiral's Beach	2 Well Fields	Jun 03, 2019	LTD	2.2	LTD	LTD	LTD	LTD	LTD	0.002	0.080	LTD	LTD	0.004	LTD	LTD	10.000	**0.030**	LTD	LTD	LTD	LTD	0.020
Admiral's Beach	2 Well Fields	Jun 03, 2019	LTD	LTD	LTD	LTD	LTD	LTD	LTD	0.003	0.120	LTD	LTD	0.004	LTD	LTD	11.000	0.010	LTD	LTD	LTD	LTD	LTD
Admiral's Beach	2 Well Fields	Jun 03, 2019	LTD	LTD	LTD	LTD	LTD	LTD	LTD	0.004	0.050	LTD	LTD	0.068	0.050	0.005	10.000	**0.090**	LTD	LTD	LTD	LTD	0.050
Admiral's Beach	2 Well Fields	Jun 26, 2019	0.013	1.2	LTD	LTD	0.002	LTD	LTD	0.010	0.130	LTD	LTD	0.003	LTD	LTD	14.000	**0.030**	LTD	LTD	LTD	LTD	LTD
Bauline																							
Bauline	#1 Brook Path Well	Jun 12, 2019	0.025	3.2	LTD	LTD	0.007	LTD	LTD	LTD	0.010	LTD	LTD	0.005	0.040	LTD	6.000	0.520	LTD	LTD	LTD	LTD	0.010
Blaketown																							
Blaketown South	#1 Selby Mercer Well	May 27, 2019	LTD	LTD	1.720	0.240	0.010	0.040	LTD	0.002	LTD	LTD	LTD	0.006	LTD	LTD	5.000	LTD	LTD	LTD	LTD	LTD	LTD
Blaketown	#2 Daphne Pincent Well	May 27, 2019	LTD	LTD	0.210	LTD	0.004	LTD	LTD	0.006	LTD	LTD	LTD	0.002	LTD	LTD	3.000	LTD	LTD	LTD	LTD	LTD	LTD
Blaketown North	#4 Hilda Barrett Well	May 27, 2019	0.013	LTD	LTD	LTD	LTD	LTD	LTD	LTD	LTD	LTD	LTD	0.001	LTD	LTD	6.000	**0.040**	LTD	LTD	LTD	LTD	LTD
Blaketown Centre	#3 Fred Osborne Well	May 27, 2019	0.017	0.8	LTD	LTD	LTD	LTD	LTD	0.009	LTD	LTD	LTD	0.001	LTD	LTD	1.000	LTD	LTD	LTD	LTD	LTD	LTD
Brigus South																							
Dunphey's Hill area	#2 Well Dunphey's Hilll	May 28, 2019	LTD	0.8	LTD	LTD	LTD	LTD	LTD	LTD	0.050	LTD	LTD	0.012	0.050	LTD	4.000	0.210	LTD	LTD	LTD	LTD	0.010
Forge Hill area	#1 Well Forge Hill	May 28, 2019	LTD	1.5	LTD	LTD	LTD	LTD	LTD	0.001	0.020	LTD	LTD	0.010	0.120	0.004	2.000	0.450	LTD	LTD	LTD	LTD	0.030
Near highway	#3 Well Main Road	May 28, 2019	LTD	LTD	LTD	LTD	0.010	LTD	LTD	LTD	LTD	LTD	LTD	0.006	LTD	**0.006**	1.000	LTD	LTD	LTD	LTD	LTD	LTD
Near highway	#3 Well Main Road	Jun 28, 2019	0.024	LTD	LTD	LTD	0.008	LTD	LTD	LTD	LTD	LTD	LTD	0.006	LTD	0.002	1.000	LTD	LTD	LTD	LTD	LTD	LTD
Bryant's Cove																							
Bryant's Cove South Side	#1 Well - Bert James Well #2 Well - Baxter Bowering Well	Jun 05, 2019	LTD	0.6	LTD	LTD	LTD	LTD	0.001000	0.004	LTD	LTD	LTD	0.001	LTD	LTD	LTD	LTD	LTD	LTD	0.002	LTD	LTD
Bryant's Cove South Side	#1 Well - Bert James Well #2 Well - Baxter Bowering Well	Jun 05, 2019	LTD	0.6	LTD	LTD	LTD	LTD	0.000900	0.004	LTD	LTD	LTD	0.006	LTD	LTD	LTD	LTD	LTD	LTD	0.001	LTD	LTD
Cavendish																							
North Side Cavendish	#1 Well - Max Bishop	May 31, 2019	LTD	1.0	2.610	0.730	0.004	LTD	LTD	LTD	0.030	LTD	LTD	0.022	LTD	LTD	6.000	0.010	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	0.005		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	A	C		A / C	C		C	C	A
Cavendish																							
North Side Cavendish	#2 Well - Tom Critch	May 31, 2019	0.020	2.4	LTD	0.290	LTD	LTD	LTD	0.006	0.010	LTD	LTD	0.006	0.050	0.001	6.000	0.190	LTD	LTD	LTD	LTD	LTD
Chance Cove																							
Back Cove Area	Olive Smith Well	May 27, 2019	0.013	LTD	0.390	LTD	0.005	0.010	LTD	0.006	0.170	LTD	LTD	0.002	LTD	LTD	1.000	LTD	LTD	LTD	LTD	LTD	LTD
New Housing Area	New Housing Area Well	May 27, 2019	LTD	0.7	0.310	LTD	LTD	LTD	LTD	0.013	0.440	LTD	LTD	0.006	LTD	LTD	3.000	LTD	LTD	LTD	0.002	0.0040	LTD
Lower Cove	#5B Albert Rowe Well	May 27, 2019	LTD	1.5	LTD	LTD	LTD	LTD	LTD	0.002	0.800	LTD	LTD	0.010	LTD	LTD	3.000	0.770	LTD	LTD	LTD	0.0110	LTD
Upper Cove	Hollett's Well	May 27, 2019	0.022	1.1	LTD	LTD	0.005	0.020	0.001700	0.009	0.270	LTD	LTD	0.018	LTD	LTD	1.000	0.360	LTD	LTD	LTD	0.0060	LTD
Clarenville																							
Clarenville, Shoal Harbour	Shoal Harbour River	Jun 13, 2019	0.090	8.1	LTD	0.260	0.003	0.140	LTD	LTD	LTD	LTD	LTD	0.019	0.200	LTD	LTD	0.020	LTD	LTD	LTD	LTD	LTD
Clarke's Beach																							
Otterbury	#1 Well - Quinlon Well	Jun 05, 2019	LTD	LTD	LTD	0.160	LTD	LTD	LTD	0.011	LTD	LTD	LTD	0.002	0.030	LTD	4.000	0.010	LTD	LTD	LTD	LTD	LTD
Otterbury	#2 Well - Delaney Well	Jun 05, 2019	LTD	LTD	LTD	LTD	0.002	LTD	LTD	0.004	LTD	LTD	LTD	0.007	LTD	LTD	7.000	LTD	LTD	LTD	LTD	LTD	LTD
Colliers																							
Main Road	#1 Well - Mahoney's Well	Jun 06, 2019	LTD	0.6	0.170	LTD	LTD	LTD	0.000900	0.004	0.020	LTD	LTD	0.001	LTD	LTD	10.000	LTD	LTD	LTD	LTD	LTD	LTD
Merrigan's Lane + Main Rd	#2 Well - Merrigan's Well	Jun 06, 2019	LTD	0.7	0.160	LTD	LTD	LTD	LTD	0.005	0.120	LTD	LTD	0.003	LTD	LTD	1.000	0.020	LTD	LTD	LTD	LTD	LTD
Harbour Drive & Main Road	#3 Well - Griffin's Well	Jun 06, 2019	LTD	1.0	0.330	LTD	0.003	LTD	LTD	0.002	0.030	LTD	0.00100	0.003	LTD	LTD	2.000	0.020	LTD	LTD	LTD	LTD	LTD
Harbour Drive	#4 Well - Flynn's Well	Jun 06, 2019	0.018	0.9	0.410	LTD	0.002	LTD	LTD	LTD	LTD	LTD	LTD	0.005	0.070	LTD	2.000	LTD	LTD	LTD	LTD	LTD	LTD
Harbour Drive	#5 Well - Whalen's Well	Jun 06, 2019	0.028	0.6	1.700	0.330	0.012	LTD	LTD	0.001	0.010	LTD	LTD	0.006	0.030	0.001	2.000	LTD	LTD	LTD	LTD	LTD	0.010
Conception Harbour																							
Healey's Pond Rd, Old Rd & Main Rd	Healey's Pond Road Well	Jun 06, 2019	LTD	LTD	LTD	LTD	0.005	LTD	LTD	0.011	LTD	LTD	LTD	0.002	LTD	LTD	3.000	LTD	LTD	LTD	LTD	0.0020	LTD
Cemetery Road & Main Road	Cemetery Road Well	Jun 06, 2019	LTD	1.2	LTD	LTD	0.006	LTD	LTD	0.004	0.020	LTD	LTD	0.005	LTD	LTD	1.000	LTD	LTD	LTD	LTD	LTD	LTD
Upper Bacon Cove, Kitchuses	Upper Bacon Cove Well	Jun 06, 2019	0.011	1.1	LTD	LTD	LTD	LTD	0.000800	0.001	0.160	LTD	LTD	0.002	LTD	LTD	2.000	LTD	LTD	LTD	LTD	0.0020	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	0.005		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	A	C		A / C	C		C	C	A
Conception Harbour																							
Lower Bacon Cove	Lower Bacon Cove Well	Jun 06, 2019	LTD	1.1	0.220	LTD	LTD	LTD	LTD	0.002	0.370	LTD	LTD	0.008	LTD	LTD	2.000	LTD	LTD	LTD	LTD	LTD	LTD
Old Road and Coles Cresent	Old Road Well	Jun 06, 2019	LTD	LTD	LTD	LTD	0.004	LTD	LTD	0.002	0.120	LTD	LTD	0.002	0.050	LTD	3.000	LTD	LTD	LTD	LTD	LTD	LTD
Fermeuse																							
Fermeuse	Port Kirwan Road Well	May 28, 2019	LTD	LTD	1.120	LTD	LTD	LTD	LTD	0.002	0.150	LTD	0.00100	0.010	LTD	LTD	10.000	LTD	LTD	LTD	LTD	0.0010	LTD
Freshwater																							
Freshwater (Carbonear)	#2 Well - Covage's Lane Well	May 16, 2019	LTD	LTD	LTD	LTD	0.002	LTD	LTD	LTD	LTD	LTD	LTD	0.023	LTD	0.002	LTD	LTD	LTD	LTD	LTD	LTD	0.070
Freshwater (Carbonear)	#3 Well - Wallace Snow Well	May 16, 2019	LTD	LTD	1.500	0.220	0.002	LTD	0.003500	**0.031**	LTD	LTD	LTD	0.013	LTD	LTD	11.000	**0.100**	LTD	LTD	0.001	LTD	0.020
Grates Cove																							
Grates Cove South End	#4 Stoyles Hill Well	Jun 13, 2019	LTD	0.9	LTD	LTD	LTD	LTD	LTD	0.001	LTD	LTD	LTD	0.002	LTD	LTD	7.000	0.140	LTD	LTD	LTD	0.0010	LTD
Grates Cove North End	#3 Frank Janes Well	Jun 13, 2019	0.026	1.7	LTD	LTD	0.007	LTD	LTD	0.002	LTD	LTD	LTD	0.007	0.090	LTD	8.000	0.150	LTD	LTD	LTD	0.0070	LTD
Grates Cove Centre	#1C Well	Jun 13, 2019	0.023	0.7	LTD	LTD	0.003	LTD	LTD	**0.026**	LTD	LTD	LTD	0.002	LTD	LTD	7.000	**0.060**	LTD	LTD	LTD	0.0050	LTD
Harbour Grace																							
Riverhead	Mercer's Rd. Well	Jun 05, 2019	LTD	LTD	0.430	LTD	LTD	LTD	LTD	0.005	LTD	LTD	LTD	0.002	LTD	LTD	8.000	0.020	LTD	LTD	0.003	LTD	LTD
Harbour Grace South Upper	Southside Wellfield (Well #1 & #2)	Jun 05, 2019	LTD	LTD	LTD	LTD	LTD	LTD	LTD	**0.013**	0.010	LTD	LTD	0.003	LTD	LTD	5.000	LTD	LTD	LTD	LTD	LTD	0.010
Harbour Grace South Upper	Southside Wellfield (Well #1 & #2)	Jun 05, 2019	LTD	LTD	LTD	LTD	LTD	LTD	LTD	0.009	0.010	LTD	LTD	0.004	LTD	0.001	7.000	LTD	LTD	LTD	LTD	LTD	LTD
Thickett	#1 Thicket Susie Galway Well	Jun 05, 2019	LTD	LTD	0.430	0.520	0.002	LTD	LTD	LTD	0.010	LTD	LTD	0.002	0.050	LTD	2.000	LTD	LTD	LTD	LTD	LTD	LTD
Thickett	#2 Thicket New Well	Jun 05, 2019	LTD	LTD	0.490	LTD	LTD	LTD	LTD	0.005	0.180	LTD	LTD	0.007	LTD	LTD	8.000	LTD	LTD	LTD	LTD	0.0030	LTD
Harbour Grace South Lower	New Southside Well (Well#3)	Jun 05, 2019	LTD	LTD	LTD	LTD	LTD	LTD	LTD	0.003	LTD	LTD	LTD	0.002	0.140	LTD	4.000	LTD	LTD	LTD	LTD	LTD	LTD
Harbour Main-Chapel's Cove-Lakeview																							
Harbour Main, Chapel's Cove, Lakeview	Flynn's Hill Well	Jun 07, 2019	LTD	1.0	0.510	0.210	LTD	LTD	LTD	0.001	LTD	LTD	LTD	0.005	LTD	0.002	2.000	**0.040**	LTD	LTD	LTD	LTD	LTD
Harbour Main, Chapel's Cove, Lakeview	Holden's Road Well	Jun 07, 2019	LTD	0.7	0.250	LTD	LTD	LTD	LTD	LTD	0.020	LTD	LTD	0.005	LTD	LTD	2.000	LTD	LTD	LTD	LTD	LTD	LTD
Holyrood																							

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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	0.005		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	A	C		A / C	C		C	C	A
Holyrood																							
Holyrood	Main Line	Jun 07, 2019	LTD	3.1	LTD	LTD	0.022	0.020	LTD	0.002	0.020	0.00010	LTD	0.019	LTD	0.003	3.000	0.780	LTD	LTD	LTD	LTD	LTD
Holyrood	Main Line	Jun 07, 2019	0.010	LTD	LTD	LTD	0.006	LTD	LTD	LTD	LTD	LTD	LTD	0.001	LTD	LTD	2.000	LTD	LTD	LTD	LTD	LTD	LTD
Holyrood	Main Line	Jun 07, 2019	LTD	0.9	0.170	LTD	0.004	LTD	LTD	LTD	LTD	LTD	LTD	0.004	LTD	LTD	2.000	LTD	LTD	LTD	LTD	LTD	LTD
Holyrood	Main Line	Jun 07, 2019	LTD	4.3	LTD	0.180	0.002	LTD	LTD	0.002	0.020	LTD	LTD	0.008	0.050	LTD	5.000	0.260	LTD	LTD	LTD	LTD	LTD
Holyrood	O'Connell's Well	Jun 07, 2019	LTD	1.5	0.260	LTD	0.004	LTD	LTD	0.003	0.020	LTD	LTD	0.007	LTD	LTD	2.000	LTD	LTD	LTD	LTD	0.0030	LTD
Holyrood	Woodford Station - Healey's Well and Quinlan's Well	Jun 07, 2019	LTD	0.5	LTD	LTD	0.004	0.050	LTD	0.010	LTD	LTD	LTD	0.002	LTD	LTD	LTD	LTD	LTD	LTD	LTD	0.0030	LTD
Holyrood	Woodford Station - Healey's Well and Quinlan's Well	Jun 07, 2019	0.010	1.0	0.610	0.180	0.003	LTD	LTD	0.004	0.030	LTD	0.00100	0.004	LTD	LTD	3.000	LTD	LTD	LTD	LTD	0.0020	LTD
Hopeall																							
Hopeall	Charles Cumby Well	May 31, 2019	LTD	LTD	0.170	LTD	0.004	LTD	LTD	0.001	LTD	LTD	LTD	0.004	LTD	LTD	4.000	LTD	LTD	LTD	LTD	0.0010	LTD
Gilberts Hill	Gilberts Hill Well	May 31, 2019	LTD	0.6	LTD	LTD	0.009	0.020	LTD	LTD	0.020	LTD	LTD	0.004	LTD	LTD	2.000	LTD	LTD	LTD	LTD	LTD	LTD
Indian Bay																							
Indian Bay	Indian Bay Brook	Jun 05, 2019	0.137	4.5	LTD	0.300	0.002	0.060	LTD	LTD	LTD	LTD	LTD	LTD	0.080	LTD	LTD	0.010	LTD	LTD	LTD	LTD	LTD
Makinsons																							
Turkswater & Hodgewater Line West	Country Path Wells	Jun 06, 2019	LTD	0.8	LTD	LTD	LTD	LTD	LTD	0.002	LTD	LTD	LTD	LTD	LTD	LTD	LTD	LTD	LTD	LTD	LTD	LTD	LTD
Turkswater & Hodgewater Line West	Country Path Wells	Jun 06, 2019	LTD	0.8	LTD	0.390	LTD	LTD	LTD	0.002	LTD	LTD	LTD	LTD	LTD	LTD	LTD	LTD	LTD	LTD	LTD	LTD	LTD
Hodgewater Line East & Juniper Stump	Taylor's Wells	Jun 06, 2019	LTD	1.0	LTD	LTD	0.003	LTD	LTD	LTD	0.190	LTD	LTD	LTD	LTD	LTD	11.000	0.020	LTD	LTD	LTD	LTD	LTD
Hodgewater Line East & Juniper Stump	Taylor's Wells	Jun 06, 2019	LTD	1.4	LTD	LTD	0.015	LTD	LTD	LTD	0.180	LTD	LTD	0.003	0.040	LTD	6.000	0.180	LTD	LTD	LTD	LTD	LTD
Marysvale																							
Marysvale, Long Pond	Drilled	Jun 06, 2019	0.040	0.7	LTD	LTD	0.009	LTD	LTD	LTD	LTD	LTD	LTD	0.005	**0.670**	LTD	2.000	1.020	LTD	LTD	LTD	LTD	0.010
New Harbour																							
New Harbour	Williams Hill Well	Jun 13, 2019	LTD	0.7	LTD	LTD	LTD	LTD	LTD	0.012	LTD	LTD	LTD	0.003	LTD	LTD	5.000	0.010	LTD	LTD	LTD	0.0030	LTD
O'Donnells																							

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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	0.005		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	A	C		A / C	C		C	C	A
O'Donnells																							
O'Donnell's	Well Field	Jun 03, 2019	LTD	0.7	0.110	LTD	0.004	0.010	LTD	0.001	0.040	LTD	LTD	0.002	LTD	LTD	3.000	**0.110**	LTD	LTD	LTD	LTD	LTD
O'Donnell's	Well Field	Jun 03, 2019	LTD	LTD	LTD	LTD	0.002	LTD	LTD	0.002	0.020	LTD	LTD	0.002	LTD	LTD	6.000	0.020	LTD	LTD	LTD	LTD	LTD
O'Donnell's	Well Field	Jun 03, 2019	LTD	LTD	0.950	LTD	0.006	LTD	LTD	0.001	0.020	LTD	LTD	0.003	0.060	LTD	7.000	0.010	LTD	LTD	LTD	LTD	LTD
Port Kirwan																							
North Side	Dug Well / Drilled Well	May 28, 2019	LTD	LTD	LTD	LTD	LTD	0.020	LTD	0.006	0.040	LTD	LTD	0.016	LTD	LTD	3.000	LTD	LTD	LTD	LTD	LTD	LTD
North Side	Dug Well / Drilled Well	May 28, 2019	LTD	LTD	0.290	LTD	0.003	0.100	LTD	LTD	LTD	LTD	LTD	0.021	LTD	LTD	1.000	0.010	LTD	LTD	LTD	LTD	LTD
Port Kirwan	Developed Spring	May 28, 2019	LTD	LTD	0.230	LTD	0.003	0.030	LTD	LTD	LTD	LTD	LTD	0.009	LTD	LTD	LTD	LTD	LTD	LTD	LTD	LTD	LTD
Renews-Cappahayden																							
Cappahayden	#1 Dinn's Well	May 28, 2019	LTD	LTD	LTD	LTD	0.003	LTD	LTD	LTD	0.040	LTD	LTD	0.018	LTD	LTD	9.000	**0.030**	LTD	LTD	LTD	LTD	0.010
Riverhead																							
Riverhead (St. Mary's Bay)	Well Field	Jun 03, 2019	LTD	0.8	0.250	LTD	0.007	0.010	LTD	LTD	LTD	LTD	LTD	0.010	0.070	LTD	2.000	0.140	LTD	LTD	LTD	LTD	LTD
Riverhead (St. Mary's Bay)	Well Field	Jun 03, 2019	LTD	0.7	0.340	LTD	0.007	0.020	LTD	LTD	LTD	LTD	LTD	0.026	LTD	LTD	3.000	LTD	LTD	LTD	LTD	LTD	LTD
Riverhead (St. Mary's Bay)	Well Field	Jun 03, 2019	0.010	0.8	0.600	LTD	0.004	0.030	LTD	LTD	0.010	LTD	LTD	0.005	0.070	LTD	2.000	LTD	LTD	LTD	LTD	LTD	LTD
Small Point-Adam's Cove-Blackhead-Broad Cove																							
Adam's Cove	#1 Well - Reg Bursey Well	May 16, 2019	LTD	LTD	0.220	LTD	LTD	LTD	LTD	**0.017**	0.070	LTD	LTD	0.004	LTD	LTD	6.000	0.010	LTD	LTD	LTD	LTD	LTD
Blackhead	#4 Well - Leonard King Well	May 16, 2019	LTD	LTD	LTD	LTD	LTD	LTD	LTD	0.004	0.170	LTD	LTD	0.004	LTD	LTD	9.000	LTD	LTD	LTD	LTD	0.0010	LTD
Blackhead	#4 Well - Leonard King Well	May 16, 2019	LTD	LTD	LTD	LTD	LTD	LTD	LTD	0.004	0.100	LTD	LTD	0.017	LTD	LTD	8.000	LTD	LTD	LTD	0.002	LTD	0.010
Broad Cove	#6 Well - Herb Trickett Well	May 16, 2019	LTD	0.7	0.490	LTD	LTD	LTD	0.000500	0.005	0.150	LTD	LTD	0.015	LTD	0.002	5.000	**0.100**	LTD	LTD	LTD	LTD	LTD
Broad Cove	#7 Well - Gin Badcock Well	May 16, 2019	0.030	0.7	0.130	0.170	0.002	LTD	0.000500	0.002	0.150	LTD	LTD	0.019	LTD	**0.009**	7.000	0.260	LTD	LTD	LTD	LTD	0.010
Small Point	#8 Well - Effie Flight Wells	May 16, 2019	LTD	LTD	1.710	0.330	LTD	0.020	0.000600	0.009	0.160	LTD	LTD	0.009	LTD	LTD	8.000	LTD	LTD	LTD	0.004	0.0040	LTD
Small Point	#9 Well - Walter Reynolds Well	May 16, 2019	LTD	LTD	1.040	0.250	0.008	0.010	LTD	LTD	0.030	LTD	LTD	0.010	LTD	LTD	2.000	LTD	LTD	LTD	LTD	LTD	LTD

Department of Municipal Affairs and Environment

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	Selinium	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	0.005		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	A	C		A / C	C		C	C	A
South Dildo																							
South Dildo	#5 Well - Calvin Reid Well	May 27, 2019	LTD	LTD	LTD	LTD	LTD	LTD	LTD	LTD	LTD	LTD	LTD	0.003	LTD	LTD	4.000	**0.030**	LTD	LTD	LTD	LTD	LTD
St. Joseph's																							
St. Joseph's S.M.B.	Drilled	Jun 03, 2019	LTD	0.9	LTD	LTD	LTD	LTD	LTD	0.003	0.030	LTD	LTD	LTD	LTD	LTD	5.000	**0.060**	LTD	LTD	LTD	LTD	LTD
St. Mary's																							
St. Mary's	Wellfield	Jun 03, 2019	LTD	LTD	LTD	LTD	0.004	LTD	LTD	LTD	0.020	LTD	LTD	0.007	LTD	LTD	LTD	LTD	LTD	LTD	LTD	LTD	0.010
St. Mary's	Wellfield	Jun 03, 2019	LTD	LTD	LTD	LTD	0.005	LTD	LTD	0.002	0.070	LTD	LTD	0.012	LTD	LTD	8.000	LTD	LTD	LTD	LTD	LTD	0.020
St. Mary's	Wellfield	Jun 03, 2019	LTD	LTD	LTD	LTD	LTD	LTD	LTD	0.001	0.050	LTD	LTD	0.004	LTD	LTD	4.000	LTD	LTD	LTD	LTD	LTD	0.030
St. Mary's	Wellfield	Jun 03, 2019	0.010	LTD	LTD	LTD	0.003	LTD	LTD	0.002	0.080	LTD	LTD	0.006	LTD	LTD	8.000	LTD	LTD	LTD	LTD	LTD	0.020
St. Mary's	Wellfield	Jun 03, 2019	LTD	LTD	LTD	LTD	LTD	LTD	LTD	LTD	0.050	LTD	LTD	0.016	LTD	0.002	2.000	LTD	LTD	LTD	LTD	LTD	0.040
Wabana																							
Wabana	Mixed Supplies	Jun 27, 2019	0.097	2.0	LTD	0.170	0.018	LTD	LTD	0.008	0.110	LTD	LTD	0.002	**0.800**	LTD	7.000	0.250	LTD	LTD	LTD	LTD	LTD
Wabana	Mixed Supplies	Jun 27, 2019	0.206	0.9	LTD	0.310	0.023	LTD	LTD	LTD	0.090	LTD	LTD	0.010	0.050	LTD	6.000	**0.090**	LTD	LTD	LTD	LTD	LTD
Wabana	Mixed Supplies	Jun 27, 2019	0.069	1.8	LTD	LTD	0.009	LTD	LTD	0.003	0.100	LTD	LTD	0.002	**0.350**	LTD	6.000	0.180	LTD	LTD	LTD	LTD	LTD
Wabana	Mixed Supplies	Jun 27, 2019	0.082	5.3	LTD	LTD	0.050	LTD	LTD	0.006	0.090	LTD	LTD	LTD	0.280	LTD	7.000	0.260	LTD	LTD	LTD	LTD	LTD
Wabana	Mixed Supplies	Jun 27, 2019	0.051	5.8	LTD	LTD	0.087	LTD	LTD	**0.013**	0.070	LTD	LTD	LTD	**0.450**	LTD	6.000	0.350	LTD	LTD	LTD	LTD	LTD
Wabana	Mixed Supplies	Jun 27, 2019	0.077	5.5	LTD	0.220	0.109	LTD	LTD	**0.018**	0.060	LTD	LTD	0.001	**0.500**	LTD	6.000	0.380	LTD	LTD	LTD	LTD	LTD
Wabana	Mixed Supplies	Jun 27, 2019	0.127	1.8	LTD	0.190	0.012	LTD	LTD	0.003	0.120	LTD	LTD	LTD	0.080	LTD	5.000	**0.120**	LTD	LTD	LTD	LTD	LTD

Department of Municipal Affairs and Environment

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	Selinium	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	0.005		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	A	C		A / C	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 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-leaded solders. 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 0.005 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 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