

Serviced Area(s)	Source Name	Sample Date	Alkalinity	Colour	Conductivity	Hardness	pН	TDS	TSS	Turbidity	Boron	Bromide	Calcium	Chloride	Fluoride	Potassium	Sodium	Sulphate	
		Units	mg/L	тси	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 D	Drinking Water Quality		15			6.5 - 8.5	500		1.0	5.0			250	1.5		200	500	
	Aesthetic (A) or Conta	minant (C) Parameter		Α			А	Α		С	С			Α	С		А	А	
Admirals Beach																			
Admiral's Beach	2 Well Fields	Jun 03, 2019	111.00	LTD	240.0	104.00	8.24	156		0.20	0.01	LTD	25.00	17	0.270	1.000	18	6	
Admiral's Beach	2 Well Fields	Jun 03, 2019	121.00	2	106.0	123.00	8.18	69		0.20	LTD	LTD	31.00	13	0.150	1.000	10	15	
Admiral's Beach	2 Well Fields	Jun 03, 2019	85.00	LTD	215.0	96.00	8.21	140		0.30	0.01	LTD	22.00	14	0.310	LTD	16	22	
Admiral's Beach	2 Well Fields	Jun 26, 2019	121.00	5	314.0	125.00	8.10	204		0.40	LTD	LTD	27.00	15	0.120	1.000	11	9	
Bauline																			
Bauline	#1 Brook Path Well	Jun 12, 2019	50.00	12	354.0	90.00	7.82	230		0.20	LTD	LTD	26.00	70	LTD	LTD	24	10	
Blaketown																			
Blaketown South	#1 Selby Mercer Well	May 27, 2019	43.00	LTD	240.0	60.00	7.07	156		0.70	0.03	LTD	16.00	53	0.110	1.000	29	7	
Blaketown	#2 Daphne Pincent Well	May 27, 2019	110.00	5	270.0	37.00	8.15	176		0.40	0.16	LTD	10.00	30	0.350	2.000	53	17	
Blaketown North	#4 Hilda Barrett Well	May 27, 2019	89.00	23	200.0	75.00	8.23	130		0.30	0.10	LTD	20.00	20	0.260	2.000	25	11	
Blaketown Centre	#3 Fred Osborne Well	May 27, 2019	102.00	LTD	238.0	19.00	9.17	155		0.40	0.13	LTD	6.00	29	0.270	2.000	54	5	
Brigus South																			
Dunphey's Hill area	#2 Well Dunphey's Hilll	May 28, 2019	121.00	LTD	400.0	151.00	8.20	260		0.20	0.02	LTD	54.00	57	LTD	LTD	21	14	
Forge Hill area	#1 Well Forge Hill	May 28, 2019	113.00	4	280.0	116.00	8.00	182		0.40	LTD	LTD	43.00	27	LTD	LTD	13	6	
Near highway	#3 Well Main Road	May 28, 2019	39.00	LTD	100.0	34.00	7.39	65		0.20	LTD	LTD	12.00	10	LTD	LTD	6	3	
Near highway	#3 Well Main Road	Jun 28, 2019	38.00	LTD	90.0	34.00	7.18	58		0.30	LTD	LTD	12.00	9	LTD	LTD	7	3	
Bryant's Cove																			
Bryant's Cove South Side	#1 Well - Bert James Well #2 Well - Baxter Bowering Well	Jun 05, 2019	69.00	2	205.0	LTD	8.21	133		0.20	LTD	LTD	LTD	15	LTD	LTD	48	22	
Bryant's Cove South Side	#1 Well - Bert James Well #2 Well - Baxter Bowering Well	Jun 05, 2019	68.00	2	200.0	LTD	8.20	130		205.00	LTD	LTD	LTD	15	LTD	LTD	46	21	
Cavendish																			
North Side Cavendish	#1 Well - Max Bishop	May 31, 2019	74.00	LTD	315.0	115.00	7.16	205		0.40	0.01	LTD	36.00	46	LTD	2.000	22	11	



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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
Cavendish	Aesthetic (A) or Cont	taminant (C) Parameter		A			A	A		С	С			A	С		A	A
North Side Cavendish	#2 Well Tom Critch	May 31, 2010	03.00	3	241.0	100.00	7.00	157		1.60	0.03		30.00	24		1 000	10	Q
North Side Cavendian		May 31, 2019	90.00	5	241.0	100.00	7.88	157		1.00	0.00	LID	50.00	24	LID	1.000	19	0
Chance Cove																		
Back Cove Area	Olive Smith Well	May 27, 2019	48.00	LTD	133.0	27.00	7.66	86		0.20	LTD	LTD	9.00	17	0.150	LTD	16	7
New Housing Area	New Housing Area Well	May 27, 2019	102.00	LTD	230.0	80.00	7.99	150		0.20	0.02	LTD	27.00	16	LTD	LTD	18	6
Lower Cove	#5B Albert Rowe Well	May 27, 2019	120.00	LTD	245.0	112.00	8.01	159		0.20	LTD	LTD	40.00	12	LTD	LTD	12	6
Upper Cove	Hollett's Well	May 27, 2019	97.00	4	430.0	69.00	7.96	280		1.00	LTD	LTD	26.00	74	0.210	LTD	68	28
Clarenville																		
Clarenville, Shoal Harbour	Shoal Harbour River	Jun 13, 2019	38.00	76	40.0	5.00	5.41	26		0.60	LTD	LTD	2.00	8	LTD	LTD	5	LTD
Clarke's Beach																		
Otterbury	#1 Well - Quinlon Well	Jun 05, 2019	75.00	LTD	183.0	81.00	8.43	119		0.20	LTD	LTD	26.00	10	0.150	1.000	9	15
Otterbury	#2 Well - Delaney Well	Jun 05, 2019	92.00	LTD	200.0	94.00	8.38	130		0.30	LTD	LTD	26.00	12	LTD	LTD	8	15
Colliers																		
Main Road	#1 Well - Mahoney's Well	Jun 06, 2019	115.00	LTD	565.0	196.00	8.41	367		0.30	0.01	LTD	62.00	110	0.100	1.000	48	24
Merrigan's Lane + Main Rd	#2 Well - Merrigan's Well	Jun 06, 2019	106.00	LTD	268.0	62.00	8.37	174		0.40	0.02	LTD	23.00	22	LTD	1.000	40	16
Harbour Drive & Main Road	#3 Well - Griffin's Well	Jun 06, 2019	97.00	LTD	339.0	68.00	8.56	220		0.30	0.04	LTD	24.00	56	LTD	LTD	51	8
Harbour Drive	#4 Well - Flynn's Well	Jun 06, 2019	87.00	LTD	212.0	96.00	8.38	138		0.20	LTD	LTD	35.00	20	LTD	LTD	11	5
Harbour Drive	#5 Well - Whalen's Well	Jun 06, 2019	54.00	LTD	200.0	51.00	7.91	130		0.30	0.01	LTD	17.00	32	0.100	2.000	19	5
Conception Harbour																		
Healey's Pond Rd, Old Rd & Main Rd	Healey's Pond Road Well	Jun 06, 2019	60.00	LTD	171.0	52.00	8.44	111		0.20	0.04	LTD	16.00	15	0.120	LTD	19	15
Cemetery Road & Main Road	Cemetery Road Well	Jun 06, 2019	70.00	LTD	161.0	66.00	8.08	105		0.20	LTD	LTD	25.00	14	LTD	LTD	11	5
Upper Bacon Cove, Kitchuses	Upper Bacon Cove Well	Jun 06, 2019	124.00	LTD	242.0	108.00	8.53	157		0.30	0.01	LTD	40.00	13	LTD	2.000	15	5



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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 Dr	inking Water Quality		15			6.5 - 8.5	500		1.0	5.0			250	1.5		200	500
	Aesthetic (A) or Contar	ninant (C) Parameter		Α			Α	Α		С	С			Α	С		Α	Α
Conception Harbour																		
Lower Bacon Cove	Lower Bacon Cove Well	Jun 06, 2019	91.00	LTD	237.0	83.00	8.38	154		0.20	LTD	LTD	30.00	23	LTD	2.000	20	5
Old Road and Coles Cresent	Old Road Well	Jun 06, 2019	83.00	LTD	246.0	87.00	8.39	160		0.20	0.03	LTD	30.00	34	LTD	LTD	23	7
Fermeuse																		
Fermeuse	Port Kirwan Road Well	May 28, 2019	137.00	LTD	375.0	156.00	8.10	244		0.20	LTD	LTD	46.00	51	LTD	1.000	19	9
Freshwater																		
Freshwater (Carbonear)	#2 Well - Covage's Lane Well	May 16, 2019	39.00	4	132.0	35.00	7.41	86		0.40	LTD	LTD	14.00	22	LTD	LTD	13	7
Freshwater (Carbonear)	#3 Well - Wallace Snow Well	May 16, 2019	92.00	4	575.0	175.00	8.05	374		0.30	0.01	LTD	52.00	122	LTD	1.000	53	34
Grates Cove																		
Grates Cove South End	#4 Stoyles Hill Well	Jun 13, 2019	87.00	LTD	422.0	106.00	8.24	274		0.20	LTD	LTD	31.00	73	LTD	LTD	33	6
Grates Cove North End	#3 Frank Janes Well	Jun 13, 2019	111.00	3	299.0	98.00	8.29	194		0.60	0.01	LTD	26.00	25	LTD	LTD	17	4
Grates Cove Centre	#1C Well	Jun 13, 2019	110.00	LTD	251.0	86.00	8.41	163		0.30	LTD	LTD	23.00	18	LTD	LTD	14	3
Harbour Grace																		
Riverhead	Mercer's Rd. Well	Jun 05, 2019	70.00	LTD	359.0	108.00	8.17	233		0.20	LTD	LTD	30.00	68	LTD	LTD	31	13
Harbour Grace South Upper	Southside Wellfield (Well #1 & #2)	Jun 05, 2019	95.00	LTD	200.0	100.00	8.28	130		0.10	LTD	LTD	32.00	11	LTD	LTD	8	8
Harbour Grace South Upper	Southside Wellfield (Well #1 & #2)	Jun 05, 2019	124.00	LTD	240.0	119.00	8.37	156		0.40	LTD	LTD	36.00	10	LTD	LTD	11	3
Thickett	#1 Thicket Susie Galway Well	Jun 05, 2019	22.00	LTD	65.0	26.00	7.46	42		0.40	LTD	LTD	7.00	7	LTD	LTD	4	2
Thickett	#2 Thicket New Well	Jun 05, 2019	70.00	LTD	289.0	108.00	8.29	188		0.30	LTD	LTD	30.00	49	LTD	LTD	16	7
Harbour Grace South Lower	New Southside Well (Well#3)	Jun 05, 2019	86.00	LTD	180.0	76.00	8.35	117		0.80	LTD	LTD	24.00	9	LTD	LTD	12	7
Harbour Main-Chapel's Co	ove-Lakeview																	
Harbour Main, Chapel's Cove, Lakeview	Flynn's Hill Well	Jun 07, 2019	103.00	LTD	307.0	108.00	8.07	200		0.20	LTD	LTD	40.00	39	LTD	LTD	28	10
Harbour Main, Chapel's Cove, Lakeview	Holden's Road Well	Jun 07, 2019	68.00	LTD	200.0	81.00	7.84	130		0.20	LTD	LTD	29.00	20	LTD	LTD	10	14
Holyrood																		



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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 D	rinking Water Quality		15			6.5 - 8.5	500		1.0	5.0			250	1.5		200	500
	Aesthetic (A) or Contar	ninant (<mark>C</mark>) Parameter		А			А	А		С	С			Α	С		Α	А
Holyrood																		
Holyrood	Main Line	Jun 07, 2019	152.00	7	420.0	150.00	8.56	273		2.10	0.03	LTD	55.00	58	LTD	1.000	46	17
Holyrood	Main Line	Jun 07, 2019	52.00	LTD	200.0	68.00	8.15	130		0.40	LTD	LTD	24.00	36	LTD	LTD	20	11
Holyrood	Main Line	Jun 07, 2019	87.00	LTD	300.0	106.00	8.35	195		0.60	LTD	LTD	39.00	43	0.100	LTD	26	13
Holyrood	Main Line	Jun 07, 2019	182.00	13	420.0	200.00	8.53	273		0.10	0.01	LTD	72.00	43	LTD	1.000	28	9
Holyrood	O'Connell's Well	Jun 07, 2019	109.00	LTD	337.0	121.00	8.41	219		0.40	0.01	LTD	45.00	48	LTD	LTD	29	8
Holyrood	Woodford Station - Healey's Well and Quinlan's Well	Jun 07, 2019	78.00	2	168.0	25.00	8.93	109		1.10	0.06	LTD	10.00	10	0.240	LTD	32	7
Holyrood	Woodford Station - Healey's Well and Quinlan's Well	Jun 07, 2019	135.00	LTD	318.0	150.00	8.37	207		0.20	0.01	LTD	55.00	29	LTD	1.000	19	7
Hopeall																		
Hopeall	Charles Cumby Well	May 31, 2019	74.00	LTD	173.0	64.00	7.86	112		0.30	LTD	LTD	19.00	14	LTD	LTD	15	3
Gilberts Hill	Gilberts Hill Well	May 31, 2019	34.00	LTD	100.0	33.00	6.95	65		0.90	LTD	LTD	10.00	14	LTD	1.000	10	3
Indian Bay																		
Indian Bay	Indian Bay Brook	Jun 05, 2019	LTD	31	21.0	2.00	6.81	14		0.30	LTD	LTD	1.00	4	LTD	LTD	2	LTD
Makinsons																		
Turkswater & Hodgewater Line West	Country Path Wells	Jun 06, 2019	126.00	LTD	308.0	7.00	9.51	200		0.20	0.01	LTD	3.00	26	LTD	LTD	72	13
Turkswater & Hodgewater Line West	Country Path Wells	Jun 06, 2019	126.00	LTD	304.0	7.00	9.71	198		0.30	0.01	LTD	3.00	27	0.100	LTD	68	13
Hodgewater Line East & Juniper Stump	Taylor's Wells	Jun 06, 2019	100.00	2	430.0	158.00	8.34	280		0.10	LTD	LTD	45.00	90	LTD	LTD	32	13
Hodgewater Line East & Juniper Stump	Taylor's Wells	Jun 06, 2019	70.00	2	266.0	95.00	8.20	173		0.20	LTD	LTD	28.00	49	0.110	LTD	25	14
Marysvale																		
Marysvale, Long Pond	Drilled	Jun 06, 2019	26.00	LTD	112.0	26.00	7.40	73		0.80	LTD	LTD	7.00	22	LTD	LTD	12	4
New Harbour																		
New Harbour	Williams Hill Well	Jun 13, 2019	114.00	LTD	269.0	80.00	8.44	175		0.30	0.02	LTD	24.00	14	LTD	2.000	23	5
O'Donnells																		



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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 D	rinking Water Quality		15			6.5 - 8.5	500		1.0	5.0			250	1.5		200	500
	Aesthetic (A) or Contar	minant (C) Parameter		Α			Α	Α		С	С			Α	С		Α	A
O'Donnells																		
O'Donnell's	Well Field	Jun 03, 2019	136.00	3	358.0	37.00	8.83	233		0.30	0.07	LTD	10.00	42	1.250	2.000	77	13
O'Donnell's	Well Field	Jun 03, 2019	99.00	LTD	250.0	52.00	8.94	162		0.30	0.04	LTD	11.00	20	1.070	LTD	36	13
O'Donnell's	Well Field	Jun 03, 2019	78.00	LTD	343.0	121.00	7.22	223		0.40	LTD	LTD	37.00	63	0.160	1.000	28	16
Port Kirwan																		
North Side	Dug Well / Drilled Well	May 28, 2019	69.00	LTD	136.0	50.00	7.70	88		0.10	LTD	LTD	15.00	12	LTD	LTD	9	5
North Side	Dug Well / Drilled Well	May 28, 2019	31.00	LTD	68.0	12.00	7.43	44		0.10	LTD	LTD	3.00	14	LTD	LTD	7	4
Port Kirwan	Developed Spring	May 28, 2019	9.00	LTD	68.0	7.00	6.72	44		0.10	LTD	LTD	3.00	14	LTD	LTD	7	3
Renews-Cappahayden																		
Cappahayden	#1 Dinn's Well	May 28, 2019	111.00	LTD	318.0	107.00	8.23	207		0.60	0.05	LTD	28.00	41	0.100	2.000	25	11
Riverhead																		
Riverhead (St. Mary's Bay)	Well Field	Jun 03, 2019	12.00	2	105.0	21.00	6.45	68		0.30	LTD	LTD	5.00	24	LTD	LTD	14	4
Riverhead (St. Mary's Bay)	Well Field	Jun 03, 2019	10.00	LTD	125.0	25.00	6.46	81		0.30	LTD	LTD	5.00	29	LTD	LTD	14	4
Riverhead (St. Mary's Bay)	Well Field	Jun 03, 2019	8.00	2	106.0	18.00	6.42	69		0.20	LTD	LTD	4.00	26	LTD	LTD	13	3
Small Point-Adam's Cove	e-Blackhead-Broad Cove																	
Adam's Cove	#1 Well - Reg Bursey Well	May 16, 2019	87.00	2	240.0	80.00	8.24	156		0.20	0.02	LTD	22.00	19	0.120	LTD	21	17
Blackhead	#4 Well - Leonard King Well	May 16, 2019	85.00	2	200.0	97.00	8.29	130		0.20	LTD	LTD	24.00	16	0.180	LTD	8	13
Blackhead	#4 Well - Leonard King Well	May 16, 2019	90.00	LTD	224.0	100.00	8.35	146		0.20	LTD	LTD	27.00	18	0.170	LTD	12	15
Broad Cove	#6 Well - Herb Trickett Well	May 16, 2019	99.00	2	240.0	100.00	7.94	156		0.50	0.02	LTD	32.00	21	LTD	1.000	14	7
Broad Cove	#7 Well - Gin Badcock Well	May 16, 2019	99.00	2	250.0	106.00	8.24	162		0.60	0.02	LTD	31.00	21	LTD	2.000	12	13
Small Point	#8 Well - Effie Flight Wells	May 16, 2019	76.00	LTD	330.0	85.00	7.98	214		0.30	LTD	LTD	21.00	70	LTD	1.000	36	10
Small Point	#9 Well - Walter Reynolds Well	May 16, 2019	28.00	LTD	115.0	28.00	7.10	75		0.20	LTD	LTD	8.00	20	LTD	LTD	11	5



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		Units	mg/L	тси	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 E	Drinking Water Quality		15			6.5 - 8.5	500		1.0	5.0			250	1.5		200	500
	Aesthetic (A) or Conta	aminant (C) Parameter		А			Α	А		С	С			Α	С		А	А
South Dildo		(-)																
South Dildo	#5 Well - Calvin Reid Well	May 27, 2019	84.00	LTD	256.0	59.00	8.25	166		0.30	0.09	LTD	17.00	35	0.220	2.000	37	14
St. Joseph's																		
St. Joseph's S.M.B.	Drilled	Jun 03, 2019	97.00	5	200.0	73.00	8.53	130		0.20	0.03	LTD	21.00	13	0.410	1.000	22	7
St. Mary's																		
St. Mary's	Wellfield	Jun 03, 2019	88.00	LTD	260.0	7.00	8.97	169		0.20	0.04	LTD	3.00	21	1.120	LTD	59	25
St. Mary's	Wellfield	Jun 03, 2019	89.00	LTD	215.0	75.00	8.16	140		0.40	0.01	LTD	17.00	16	0.150	1.000	25	18
St. Mary's	Wellfield	Jun 03, 2019	101.00	2	230.0	39.00	8.75	150		0.20	0.05	LTD	9.00	17	0.700	1.000	46	18
St. Mary's	Wellfield	Jun 03, 2019	93.00	LTD	219.0	75.00	8.32	142		0.20	0.01	LTD	17.00	16	0.180	1.000	23	18
St. Mary's	Wellfield	Jun 03, 2019	86.00	LTD	231.0	21.00	8.78	150		0.40	0.03	LTD	5.00	17	0.690	1.000	51	24
Wabana																		
Wabana	Mixed Supplies	Jun 27, 2019	129.00	4	240.0	166.00	7.89	156		1.90	0.02	LTD	55.00	41	LTD	1.000	22	27
Wabana	Mixed Supplies	Jun 27, 2019	152.00	4	360.0	90.00	8.32	234		0.80	0.05	LTD	26.00	50	0.190	2.000	62	14
Wabana	Mixed Supplies	Jun 27, 2019	137.00	6	400.0	137.00	8.06	260		0.90	0.02	LTD	45.00	33	0.120	1.000	26	13
Wabana	Mixed Supplies	Jun 27, 2019	119.00	26	230.0	114.00	7.97	150		0.40	0.01	LTD	34.00	15	0.120	LTD	12	1
Wabana	Mixed Supplies	Jun 27, 2019	101.00	40	375.0	102.00	7.87	244		0.50	0.01	LTD	31.00	16	0.130	LTD	11	3
Wabana	Mixed Supplies	Jun 27, 2019	105.00	24	210.0	100.00	7.89	136		0.50	0.01	LTD	30.00	16	0.130	LTD	10	3
Wabana	Mixed Supplies	Jun 27, 2019	155.00	36	345.0	103.00	8.18	224		0.90	0.03	LTD	33.00	37	0.130	2.000	51	11



Serviced Area(s)	Source Name	Sample Date	Alkalinity	Colour	Conductivity	Hardness	pН	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 Canadia	n Drinking Water Quality		15			6.5 - 8.5	500		1.0	5.0			250	1.5		200	500
	Aesthetic (A) or Co	ntaminant (C) Parameter		Α			Α	Α		С	С			Α	С		Α	Α

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 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 uS/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