

Tippet Road (new in 2020) Raw Well Water Analysis 2275 Tippet Road

CDWG=Canadian Drinking Water Guidelines
OG= Operational Guidance Value

MAC=Maximum Acceptable Concentration
AO=Aesthetic Objective

Orange font indicates non-compliance with the Aesthetic Objective (AO) in the Canadian Drinking Water Guidelines (CDWG)

Red font indicates non-compliance with the Maximum Acceptable Concentration (MAC) in the CDWG

	Units	CDWG		February 25 2021	October 28 2021	October 20 2022	October 26 2023	January 30 2025	November 20 2025
Miscellaneous Inorganics									
Fluoride	mg/L	1.5	MAC	0.15	0.16	0.17	0.16	0.15	0.14
Alkalinity (total as CaCO ₃)	mg/L			170	150	150	150	150	160
Anions									
Dissolved Sulphate	mg/L	500	AO	6.8	9.1	11	11	8.3	8.5
Dissolved Chloride	mg/L	250	AO	12	10	9.1	7.8	8.4	9.6
Nitrite	mg/L	1	MAC	<0.005	<0.005	<0.005	<0.05	<0.05	<0.05
Miscellaneous									
Apparent Colour	Colour Unit			15	10	10	10	21	21
Nutrients									
Total Ammonia	mg/L			1.3	1.2	1.3	1.3	1.3	1.2
Physical Properties									
Conductivity	µS/cm			330	330	340	340	340	340
pH	pH	7.0-10.5	AO	7.07	7.83	8.05	8.19	8.06	7.98
TDS	mg/L	500	AO	170	220	180	200	190	200
Turbidity	NTU			0.6	0.93	1.1	1.1	1.4	1.3
Microbiological Parameters									
E.coli	MPN/100mL	<1	MAC	0	0	0	0	0	0
Total Coliforms	MPN/100mL	<1	MAC	1	0	0	0	0	0
Calculated Parameters									
Total Hardness (CaCO ₃)	mg/L			97.9	118	125	131	132	128
Nitrate	mg/L	10	MAC	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Elements									
Total Mercury	mg/L	0.001	MAC	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019
Total Metals									
Total Aluminum	mg/L	0.1	OG	<0.003	<0.003	<0.003	<0.006	0.016	<0.003
Total Antimony	mg/L	0.006	MAC	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005
Total Arsenic	mg/L	0.01	MAC	0.00362	0.00157	0.00147	0.00117	0.001	0.00101
Total Barium	mg/L	1	MAC	0.0095	0.0093	0.0095	0.0095	0.0092	0.0094
Total Beryllium	mg/L			<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001
Total Bismuth	mg/L			<0.001	<0.001	<0.001	<0.002	<0.001	<0.001
Total Boron	mg/L	5	MAC	0.073	0.054	0.055	<0.1	0.06	0.061
Total Cadmium	mg/L	0.005	MAC	<0.00001	<0.00001	<0.00001	<0.00002	<0.00001	<0.00001
Total Chromium	mg/L	0.05	MAC	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001
Total Cobalt	mg/L			<0.0002	<0.0002	0.00074	<0.0004	<0.0002	<0.0002
Total Copper	mg/L	2	AO	0.00078	0.00319	0.00253	0.00059	0.00028	0.0705
Total Iron	mg/L	0.1	AO	0.317	0.543	0.575	0.606	0.605	0.59
Total Lead	mg/L	0.05	MAC	<0.0002	<0.0002	<0.0002	<0.0004	<0.0002	<0.0002
Total Manganese	mg/L	0.02 0.12	AO MAC	0.227	0.256	0.272	0.291	0.279	0.262
Total Molybdenum	mg/L			<0.001	<0.001	<0.001	<0.002	<0.001	<0.001
Total Nickel	mg/L			<0.001	<0.001	<0.001	<0.002	<0.001	<0.001
Total Selenium	mg/L	0.05	MAC	<0.0001	<0.0001	<0.0001	<0.0002	0.00065	<0.0001
Total Silicon	mg/L			14.2	15.4	16.5	16.3	16.2	15.2
Total Silver	mg/L			<0.00002	<0.00002	<0.00002	<0.00004	<0.00002	<0.00002
Total Strontium	mg/L			0.092	0.106	0.112	0.108	0.111	0.11
Total Thallium	mg/L			<0.00001	<0.00001	<0.00001	<0.00002	<0.00001	<0.00001
Total Tin	mg/L			<0.005	<0.005	<0.005	<0.01	<0.005	<0.005
Total Titanium	mg/L			<0.005	<0.005	<0.005	<0.01	<0.005	<0.005
Total Uranium	mg/L	0.02	MAC	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001
Total Vanadium	mg/L			<0.005	<0.005	<0.005	<0.01	<0.005	<0.005
Total Zinc	mg/L	5	AO	<0.005	0.0053	0.0052	<0.01	<0.005	0.0092
Total Zirconium	mg/L			<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001
Total Calcium	mg/L			22.6	28.8	30.8	31.7	32.7	31.2
Total Magnesium	mg/L			10.1	11.3	11.8	12.6	12.2	12.2
Total Potassium	mg/L			2.61	2.46	2.54	2.59	2.49	2.43
Total Sodium	mg/L	200	AO	23.4	18	19.5	19.9	18.3	18.8
Total Sulphur	mg/L			<3	<3	3.6	<6	3.5	3.1

Notes below about Iron and Manganese from: <https://www.canada.ca/en/health-canada/services/environmental-workplace-health/reports-publications/water-quality/guidelines-canadian-drinking-water-quality-summary-table.html#t2>

Type	Parameter (published, reaffirmed)	MAC (mg/L)	Other value (mg/L)	Common sources of parameter in water	Health considerations	Comments
I = Inorganic chemical parameter	Manganese (2019)	0.12	AO: ≤0.02	Dissolution of naturally occurring minerals commonly found in soil and rock. Other sources include industrial discharge, mining activities and leaching from landfills.	Health Basis of MAC: Effects on neurological development and behaviour; deficits in memory, attention, and motor skills. Other: Formula-fed infants (where water containing manganese at levels above the MAC is used to prepare formula) may be especially at risk.	AO based on minimizing the occurrence of discoloured water, consumer complaints and staining of laundry.
I = Inorganic chemical parameter	Iron (2024)	None	AO: ≤0.1	Naturally occurring (erosion and weathering of rocks and minerals due to geological processes); Released from iron-based drinking water materials or as iron corrosion by-products and in water treatment processes. Human activities such as mine drainage water, acid mine effluents and agricultural runoff.	A guideline value is not necessary as health effects are not of concern at levels found in drinking water and at the level at which the AO is set.	AO is for total iron and is based on minimizing the occurrence of discoloured water and to improve consumer confidence in drinking water quality. Removal of iron also improves the removal of manganese, reducing the health risk associated with this metal.

Fairwinds #3 Raw Well Water Analysis

2301 Nanoose Road

(well water has been sent to the WTP since 2012)

CDWG=Canadian Drinking Water Guidelines
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	Units	CDWG		October 26 2016	September 21 2017	November 6 2018	October 24 2019	November 5 2020	October 28 2021	October 20 2022	October 26 2023	January 30 2025	November 11 2025
Miscellaneous Inorganics													
Fluoride	mg/L	1.5	MAC	0.12	0.13	0.14	0.15	0.13	0.14	0.14	0.14	0.12	0.12
Alkalinity (total as CaCO ₃)	mg/L			152	164	156	150	160	160	160	140	150	150
Anions													
Dissolved Sulphate	mg/L	500	AO	11	13.6	11.3	12	12	14	14	13	9.6	12
Dissolved Chloride	mg/L	250	AO	61	52	47	57	49	51	44	47	70	58
Nitrite	mg/L	1	MAC	<0.0050	<0.0050	<0.0050	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Miscellaneous													
Apparent Colour	Colour Unit			30	20	20	20	15	10	15	15	24	22
Nutrients													
Total Ammonia	mg/L			1.9	1.8	1.7	1.7	1.9	1.7	1.7	1.9	1.9	1.8
Physical Properties													
Conductivity	µS/cm			512	488	477	470	480	480	480	490	540	500
pH	pH	7.0-10.5	AO	8.14	8.23	8.06	8.08	8.26	7.84	8.05	8.17	7.95	7.96
TDS	mg/L	500	AO	284	276	252	250	270	280	250	300	280	320
Turbidity	NTU			1.11	1.02	0.77	1.2	0.86	0.89	1	1.2	1.6	0.95
Microbiological Parameters													
E.coli	MPN/100mL	<1	MAC	<1.0	<1.0	<1.0	0	0	0	0	0	0	0
Total Coliforms	MPN/100mL	<1	MAC	<1.0	<1.0	<1.0	0	0	0	0	0	0	0
Calculated Parameters													
Total Hardness (CaCO ₃)	mg/L			149	144	135	138	134	136	141	150	164	146
Nitrate	mg/L	10	MAC	<0.020	<0.020	<0.020	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Elements													
Total Mercury	mg/L	0.001	MAC	<0.00001	<0.00001	<0.000002	<0.000002	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	0.0000029
Total Metals													
Total Aluminum	mg/L	0.1	OG	<0.003	<0.003	<0.0030	<0.003	<0.003	<0.003	<0.003	<0.006	<0.003	<0.003
Total Antimony	mg/L	0.006	MAC	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005
Total Arsenic	mg/L	0.01	MAC	0.00395	0.00379	0.0038	0.00365	0.00344	0.00358	0.00329	0.00336	0.00304	0.00285
Total Barium	mg/L	1	MAC	0.0095	0.0099	0.0091	0.0089	0.0086	0.009	0.0087	0.0095	0.0103	0.0094
Total Beryllium	mg/L			<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001
Total Bismuth	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001
Total Boron	mg/L	5	MAC	0.077	0.090	0.073	0.074	0.073	0.072	0.086	<0.1	0.077	0.076
Total Cadmium	mg/L	0.005	MAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00002	<0.00001	<0.00001
Total Chromium	mg/L	0.05	MAC	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.02	<0.001	<0.001
Total Cobalt	mg/L			<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0004	<0.0002	<0.0002
Total Copper	mg/L	1	AO	0.00035	<0.0002	0.00153	<0.0002	0.0002	0.0002	0.0005	0.00057	0.00522	0.0123
Total Iron	mg/L	0.1	AO	0.561	0.556	0.513	0.526	0.52	0.511	0.517	0.554	0.557	0.499
Total Lead	mg/L	0.01	MAC	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0004	0.00336	0.00101
Total Manganese	mg/L	0.02 0.12	AO MAC	0.231	0.230	0.225	0.247	0.288	0.237	0.235	0.272	0.277	0.257
Total Molybdenum	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001
Total Nickel	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001
Total Selenium	mg/L	0.05	MAC	<0.0001	<0.0001	<0.0001	<0.0001	0.00164	<0.0001	0.00048	0.00066	0.00246	0.00382
Total Silicon	mg/L			14.5	16.8	14.8	14.6	13.5	15.9	17.9	17	16.4	15.3
Total Silver	mg/L			<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00004	<0.00002	<0.00002
Total Strontium	mg/L			0.221	0.224	0.218	0.214	0.202	0.221	0.209	0.236	0.247	0.219
Total Thallium	mg/L			<0.00005	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00002	<0.00001	<0.00001
Total Tin	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005
Total Titanium	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005
Total Uranium	mg/L	0.02	MAC	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001
Total Vanadium	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005
Total Zinc	mg/L	5	AO	<0.005	<0.005	0.005	<0.005	<0.005	<0.005	0.0057	<0.01	0.0079	0.0221
Total Zirconium	mg/L			<0.0005	<0.0001	<0.0001	<0.0001	<0.0001	0.0001	<0.0001	<0.0002	<0.0001	<0.0001
Total Calcium	mg/L			37.1	35.6	33.7	34.9	32.6	33.4	35.3	36.4	41.2	35.8
Total Magnesium	mg/L			13.7	13.4	12.3	12.4	12.7	12.7	13	14.2	14.9	13.7
Total Potassium	mg/L			3.31	3.7	3.45	3.48	3.36	3.51	3.25	3.74	3.7	3.39
Total Sodium	mg/L	200	AO	42.2	39.5	37	36.3	36	35.2	36.5	38.4	36.7	37.5
Total Sulphur	mg/L			4.1	6.6	3.8	5.7	3.8	4.9	5.3	6.6	6.1	5.5

Notes below about Iron and Manganese from: <https://www.canada.ca/en/health-canada/services/environmental-workplace-health/reports-publications/water-quality/guidelines-canadian-drinking-water-quality-summary-table.html#12>

Type	Parameter (published, reaffirmed)	MAC (mg/L)	Other value (mg/L)	Common sources of parameter in water	Health considerations	Comments
I = Inorganic chemical parameter	Manganese (2019)	0.12	AO: ≤0.02	Dissolution of naturally occurring minerals commonly found in soil and rock. Other sources include industrial discharge, mining activities and leaching from landfills.	Health Basis of MAC: Effects on neurological development and behaviour; deficits in memory, attention, and motor skills. Other: Formula-fed infants (where water containing manganese at levels above the MAC is used to prepare formula) may be especially at risk.	AO based on minimizing the occurrence of discoloured water, consumer complaints and staining of laundry.
I = Inorganic chemical parameter	Iron (2024)	None	AO: ≤0.1	Naturally occurring (erosion and weathering of rocks and minerals due to geological processes); Released from iron-based drinking water materials or as iron corrosion by-products and in water treatment processes. Human activities such as mine drainage water, acid mine effluents and agricultural runoff.	A guideline value is not necessary as health effects are not of concern at levels found in drinking water and at the level at which the AO is set.	AO is for total iron and is based on minimizing the occurrence of discoloured water and to improve consumer confidence in drinking water quality. Removal of iron also improves the removal of manganese, reducing the health risk associated with this metal.

	Units	CDWG		October 24 2019	November 5 2020	October 28 2021	October 20 2022	October 26 2023	January 30 2025	November 11 2025
Miscellaneous Inorganics										
Fluoride	mg/L	1.5	MAC	0.18	0.15	0.16	0.17	0.17	0.15	0.14
Alkalinity (total as CaCO ₃)	mg/L			140	140	140	140	130	140	140
Anions										
Dissolved Sulphate	mg/L	500	AO	6.5	8.2	9.8	9	9.3	10	11
Dissolved Chloride	mg/L	250	AO	8.2	8.5	8.7	7.6	7.6	8.9	9.6
Nitrite	mg/L	1	MAC	<0.005	<0.005	<0.005	<0.05	<0.05	<0.05	<0.05
Miscellaneous										
Apparent Colour	Colour Unit			20	15	15	10	10	22	20
Nutrients										
Total Ammonia	mg/L			1.1	1.2	1.1	1.2	1.2	1.2	1.1
Physical Properties										
Conductivity	µS/cm			300	310	310	310	320	320	320
pH	pH	7.0:10.5	AO	8.05	8.25	7.8	7.99	8.15	8.04	8.03
TDS	mg/L	500	AO	170	170	210	170	190	180	220
Turbidity	NTU			0.73	0.7	0.64	0.74	0.94	1	0.97
Microbiological Parameters										
E.coli	MPN/100mL	<1	MAC	0	0	0	0	0	0	1
Total Coliforms	MPN/100mL	<1	MAC	0	0	0	0	0	0	0
Calculated Parameters										
Total Hardness (CaCO ₃)	mg/L			107	107	106	112	113	104	117
Nitrate	mg/L	10	MAC	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Elements										
Total Mercury	mg/L	0.001	MAC	<0.000002	<0.0000019	<0.0000019	0.0000034	<0.0000019	<0.0000019	0.0000024
Total Metals										
Total Aluminum	mg/L	0.1	OG	<0.003	<0.003	<0.003	<0.003	<0.006	<0.003	0.0032
Total Antimony	mg/L	0.006	MAC	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005
Total Arsenic	mg/L	0.01	MAC	0.00043	0.00042	0.00047	0.00051	0.00042	0.00039	0.00042
Total Barium	mg/L	1	MAC	0.006	0.0058	0.006	0.0063	0.006	0.0058	0.0063
Total Beryllium	mg/L			<0.0001	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001
Total Bismuth	mg/L			<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001
Total Boron	mg/L	5	MAC	0.062	0.061	0.059	0.061	<0.10	0.064	0.068
Total Cadmium	mg/L	0.005	MAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00002	<0.00001	<0.00001
Total Chromium	mg/L	0.05	MAC	0.0011	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001
Total Cobalt	mg/L			<0.0002	<0.0002	<0.0002	0.00035	<0.0004	<0.0002	<0.0002
Total Copper	mg/L	2	AO	0.00991	0.00203	0.00131	0.0203	0.00271	0.0026	0.0199
Total Iron	mg/L	0.1	AO	0.569	0.548	0.518	0.552	0.541	0.531	0.582
Total Lead	mg/L	0.05	MAC	<0.0002	<0.0002	<0.0002	<0.0002	<0.0004	0.00066	<0.0002
Total Manganese	mg/L	0.02 0.12	AO MAC	0.218	0.191	0.191	0.205	0.199	0.187	0.206
Total Molybdenum	mg/L			<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001
Total Nickel	mg/L			<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001
Total Selenium	mg/L	0.05	MAC	0.00079	0.00023	<0.0001	<0.0001	<0.0002	0.00076	<0.0001
Total Silicon	mg/L			13.1	12.8	14.5	15.9	15.3	13.3	14.6
Total Silver	mg/L			<0.00002	<0.00002	<0.00002	<0.00002	<0.00004	<0.00002	<0.00002
Total Strontium	mg/L			0.103	0.0987	0.104	0.109	0.103	0.101	0.107
Total Thallium	mg/L			<0.00001	<0.00001	<0.00001	<0.00001	<0.00002	<0.00001	<0.00001
Total Tin	mg/L			<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005
Total Titanium	mg/L			<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005
Total Uranium	mg/L	0.02	MAC	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001
Total Vanadium	mg/L			<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005
Total Zinc	mg/L	5	AO	<0.005	<0.005	0.0102	0.0062	<0.01	0.0051	0.0076
Total Zirconium	mg/L			<0.0001	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001
Total Calcium	mg/L			27.1	26.8	26.3	28	36.4	26.4	28.8
Total Magnesium	mg/L			9.64	9.8	9.67	10.3	14.2	9.26	10.9
Total Potassium	mg/L			2.44	2.26	2.36	2.45	3.74	2.06	2.34
Total Sodium	mg/L	200	AO	18.7	18	17.5	18.9	38.4	16.1	18.9
Total Sulphur	mg/L			<3	<3	3.2	<3	6.6	3.1	3.5

Notes below about Iron and Manganese from: <https://www.canada.ca/en/health-canada/services/environmental-workplace-health/reports-publications/water-quality/guidelines-canadian-drinking-water-quality-summary-table.html#2>

Type	Parameter (published, reaffirmed)	MAC (mg/L)	Other value (mg/L)	Common sources of parameter in water	Health considerations	Comments
I = Inorganic chemical parameter	Manganese (2019)	0.12	AO: ≤0.02	Dissolution of naturally occurring minerals commonly found in soil and rock. Other sources include industrial discharge, mining activities and leaching from landfills.	Health Basis of MAC: Effects on neurological development and behaviour; deficits in memory, attention, and motor skills. Other: Formula-fed infants (where water containing manganese at levels above the MAC is used to prepare formula) may be especially at risk.	AO based on minimizing the occurrence of discoloured water, consumer complaints and staining of laundry.
I = Inorganic chemical parameter	Iron (2024)	None	AO: ≤0.1	Naturally occurring (erosion and weathering of rocks and minerals due to geological processes); Released from iron-based drinking water materials or as iron corrosion by-products and in water treatment processes. Human activities such as mine drainage water, acid mine effluents and agricultural runoff.	A guideline value is not necessary as health effects are not of concern at levels found in drinking water and at the level at which the AO is set.	AO is for total iron and is based on minimizing the occurrence of discoloured water and to improve consumer confidence in drinking water quality. Removal of iron also improves the removal of manganese, reducing the health risk associated with this metal.

CDWG=Canadian Drinking Water Guidelines

MAC=Maximum Acceptable Concentration

OG= Operational Guidance Value

AO=Aesthetic Objective

Orange font indicates non-compliance with the Aesthetic Objective (AO) in the Canadian Drinking Water Guidelines (CDWG)

Red font indicates non-compliance with the Maximum Acceptable Concentration (MAC) in the CDWG

	Units	CDWG		July 9 2024	November 20 2025				
Miscellaneous Inorganics									
Fluoride	mg/L	1.5	MAC	0.17	0.17				
Alkalinity (total as CaCO ₃)	mg/L			140	150				
Anions									
Dissolved Sulphate	mg/L	500	AO	29	29				
Dissolved Chloride	mg/L	250	AO	11	9.7				
Nitrite	mg/L	1	MAC	<0.0050	<0.005				
Miscellaneous									
Apparent Colour	Colour Unit			13.9	25				
Nutrients									
Total Ammonia	mg/L			1.7	1.6				
Physical Properties									
Conductivity	µS/cm			380	360				
pH	pH	7.0:10.5	AO	7.98	7.99				
TDS	mg/L	500	AO	230	240				
Turbidity	NTU			0.69	1.1				
Microbiological Parameters									
E.coli	MPN/100mL	<1	MAC	0	0				
Total Coliforms	MPN/100mL	<1	MAC	0	0				
Calculated Parameters									
Total Hardness (CaCO ₃)	mg/L			109	121				
Nitrate	mg/L	10	MAC	<0.020	<0.02				
Elements									
Total Mercury	mg/L	0.001	MAC	<0.0019	<0.000019				
Total Metals									
Total Aluminum	mg/L	0.1	OG	0.0213	<0.003				
Total Antimony	mg/L	0.006	MAC	<0.0005	<0.0005				
Total Arsenic	mg/L	0.01	MAC	0.0092	0.00135				
Total Barium	mg/L	1	MAC	0.0083	0.0072				
Total Beryllium	mg/L			<0.0001	<0.0001				
Total Bismuth	mg/L			<0.001	<0.001				
Total Boron	mg/L	5	MAC	0.09	0.082				
Total Cadmium	mg/L	0.005	MAC	0.000014	<0.00001				
Total Chromium	mg/L	0.05	MAC	<0.001	<0.001				
Total Cobalt	mg/L			<0.0002	<0.0002				
Total Copper	mg/L	2	AO	0.00052	0.00032				
Total Iron	mg/L	0.1	AO	0.31	0.627				
Total Lead	mg/L	0.05	MAC	<0.0002	<0.0002				
Total Manganese	mg/L	0.02 0.12	AO MAC	0.272	0.3				
Total Molybdenum	mg/L			<0.001	<0.001				
Total Nickel	mg/L			<0.001	<0.001				
Total Selenium	mg/L	0.05	MAC	<0.0001	0.00061				
Total Silicon	mg/L			17	16.5				
Total Silver	mg/L			<0.00002	<0.00002				
Total Strontium	mg/L			0.105	0.118				
Total Thallium	mg/L			<0.00001	<0.00001				
Total Tin	mg/L			<0.005	<0.005				
Total Titanium	mg/L			<0.005	<0.005				
Total Uranium	mg/L	0.02	MAC	<0.0001	<0.0001				
Total Vanadium	mg/L			<0.005	<0.005				
Total Zinc	mg/L	5	AO	0.0151	<0.005				
Total Zirconium	mg/L			<0.0001	<0.0001				
Total Calcium	mg/L			26.4	28.7				
Total Magnesium	mg/L			10.6	11.8				
Total Potassium	mg/L			3.13	3				
Total Sodium	mg/L	200	AO	29.4	26.5				
Total Sulphur	mg/L			9.8	9.700				

 Notes below about Iron and Manganese from: <https://www.canada.ca/en/health-canada/services/environmental-workplace-health/reports-publications/water-quality/guidelines-canadian-drinking-water-quality-summary-table.html#t2>

Type	Parameter (published, reaffirmed)	MAC (mg/L)	Other value (mg/L)	Common sources of parameter in water	Health considerations	Comments
I = Inorganic chemical parameter	Manganese (2019)	0.12	AO: ≤0.02	Dissolution of naturally occurring minerals commonly found in soil and rock. Other sources include industrial discharge, mining activities and leaching from landfills.	Health Basis of MAC: Effects on neurological development and behaviour; deficits in memory, attention, and motor skills. Other: Formula-fed infants (where water containing manganese at levels above the MAC is used to prepare formula) may be especially at risk.	AO based on minimizing the occurrence of discoloured water, consumer complaints and staining of laundry.
I = Inorganic chemical parameter	Iron (2024)	None	AO: ≤0.1	Naturally occurring (erosion and weathering of rocks and minerals due to geological processes); Released from iron-based drinking water materials or as iron corrosion by-products and in water treatment processes. Human activities such as mine drainage water, acid mine effluents and agricultural runoff.	A guideline value is not necessary as health effects are not of concern at levels found in drinking water and at the level at which the AO is set.	AO is for total iron and is based on minimizing the occurrence of discoloured water and to improve consumer confidence in drinking water quality. Removal of iron also improves the removal of manganese, reducing the health risk associated with this metal.

NB Peninsula WTP Blended Well Water Analysis

2480 Nanoose Road

(raw well water, before treatment process)

CDWG=Canadian Drinking Water Guidelines

MAC=Maximum Acceptable Concentration

OG= Operational Guidance Value

AO=Aesthetic Objective

Orange font indicates non-compliance with the Aesthetic Objective (AO) in the Canadian Drinking Water Guidelines (CDWG)

Red font indicates non-compliance with the Maximum Acceptable Concentration (MAC) in the CDWG

	Units	CDWG		October 26 2016	September 21 2017	Nov. 6 2018	October 24 2019	November 5 2020	October 14 2021	October 20 2022	October 26 2023	January 30 2025	November 20 2025
Miscellaneous Inorganics													
Fluoride	mg/L	1.5	MAC	0.16	0.16	0.16	0.18	0.15	0.16	0.16	0.16	0.14	0.14
Alkalinity (total as CaCO ₃)	mg/L			142	148	146	140	150	150	150	140	150	150
Anions													
Dissolved Sulphate	mg/L	500	AO	8.13	9.4	11.4	9.3	11	11	10	11	9.3	15
Dissolved Chloride	mg/L	250	AO	15	16	19	17	17	16	21	16	20	16
Nitrite	mg/L	1	MAC	<0.0050	<0.0050	<0.0050	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Miscellaneous													
Apparent Colour	Colour Unit			20	20	15	20	15	<5	10	10	24	20
Nutrients													
Total Ammonia	mg/L			1.5	1.3	1.4	1.5	1.4	1.3	1.1	1.2	1.4	1.3
Physical Properties													
Conductivity	µS/cm			344	342	363	340	350	350	370	360	370	350
pH	pH	7.0:10.5	AO	8.14	8	8.03	8.05	8.27	8.21	8.03	8.16	8.04	7.96
TDS	mg/L	500	AO	192	190	198	180	200	210	210	230	190	220
Turbidity	NTU			0.96	1.35	0.88	0.88	0.67	0.84	1.6	1.3	1.2	1
Microbiological Parameters													
E.coli	MPN/100mL	<1	MAC	<1.0	<1.0	<1.0	0	0	0	0	0	0	0
Total Coliforms	MPN/100mL	<1	MAC	<1.0	<1.0	<1.0	0	0	0	0	0	0	0
Calculated Parameters													
Total Hardness (CaCO ₃)	mg/L			118	118	121	119	114	124	122	124	132	126
Nitrate	mg/L	10	MAC	<0.020	<0.020	<0.020	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Elements													
Total Mercury	mg/L	0.001	MAC	<0.00001	<0.00001	<0.000002	<0.000002	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	0.0000026
Total Metals													
Total Aluminum	mg/L	0.1	OG	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.006	<0.003	<0.003
Total Antimony	mg/L	0.006	MAC	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005
Total Arsenic	mg/L	0.01	MAC	0.00129	0.00137	0.00178	0.00124	0.00113	0.00144	0.00149	0.00124	0.00108	0.00108
Total Barium	mg/L	1	MAC	0.0076	0.0082	0.0087	0.0074	0.0064	0.0079	0.0087	0.0079	0.0086	0.0077
Total Beryllium	mg/L			<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001
Total Bismuth	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001
Total Boron	mg/L	5	MAC	0.065	0.074	0.067	0.065	0.068	0.064	0.06	<0.10	0.066	0.07
Total Cadmium	mg/L	0.005	MAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00002	<0.00001	<0.00001
Total Chromium	mg/L	0.05	MAC	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001
Total Cobalt	mg/L			<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0004	<0.0002	<0.0002
Total Copper	mg/L	1	AO	0.00029	0.001	<0.0005	<0.0002	0.00024	<0.0002	0.00124	<0.0004	0.00022	0.00103
Total Iron	mg/L	0.1	AO	0.588	0.678	0.611	0.622	0.548	0.566	0.706	0.576	0.585	0.58
Total Lead	mg/L	0.01	MAC	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0004	<0.0002	<0.0002
Total Manganese	mg/L	0.02 0.12	AO MAC	0.23	0.238	0.252	0.243	0.212	0.238	0.312	0.233	0.251	0.253
Total Molybdenum	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001
Total Nickel	mg/L			<0.001	0.0011	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001
Total Selenium	mg/L	0.05	MAC	<0.0001	<0.0001	<0.0001	0.00126	0.00054	<0.0001	<0.0001	0.00024	0.001	0.00114
Total Silicon	mg/L			13.7	15.6	14.9	14.4	13.2	15.9	16.3	15.9	15.8	15.3
Total Silver	mg/L			<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00004	<0.00002	<0.00002
Total Strontium	mg/L			0.113	0.122	0.136	0.122	0.12	0.13	0.126	0.123	0.134	0.12
Total Thallium	mg/L			<0.00005	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00002	<0.00001	<0.00001
Total Tin	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005
Total Titanium	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.0054	<0.005
Total Uranium	mg/L	0.02	MAC	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001
Total Vanadium	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005
Total Zinc	mg/L	5	AO	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005
Total Zirconium	mg/L			<0.0005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001
Total Calcium	mg/L			29.7	28.2	30.4	30.1	27.8	30.9	30.2	30.6	32.9	30.4
Total Magnesium	mg/L			10.7	11.4	10.9	10.6	10.7	11.4	11.4	11.5	12	12.1
Total Potassium	mg/L			2.36	2.78	2.68	2.67	2.57	2.64	2.69	2.66	2.62	2.62
Total Sodium	mg/L	200	AO	23.9	24	25	22.5	23.1	21.2	26.6	22.3	21.3	23.1
Total Sulphur	mg/L			<3.0	3.8	4	3.3	<3	3.5	3.3	<6	4.5	5.1

Notes below about Iron and Manganese from: <https://www.canada.ca/en/health-canada/services/environmental-workplace-health/reports-publications/water-quality/guidelines-canadian-drinking-water-quality-summary-table.htm#2>

Type	Parameter (published, reaffirmed)	MAC (mg/L)	Other value (mg/L)	Common sources of parameter in water	Health considerations	Comments
I = Inorganic chemical parameter	Manganese (2019)	0.12	AO: ≤0.02	Dissolution of naturally occurring minerals commonly found in soil and rock. Other sources include industrial discharge, mining activities and leaching from landfills.	Health Basis of MAC: Effects on neurological development and behaviour; deficits in memory, attention, and motor skills. Other: Formula-fed infants (where water containing manganese at levels above the MAC is used to prepare formula) may be especially at risk.	AO based on minimizing the occurrence of discoloured water, consumer complaints and staining of laundry.
I = Inorganic chemical parameter	Iron (2024)	None	AO: ≤0.1	Naturally occurring (erosion and weathering of rocks and minerals due to geological processes); Released from iron-based drinking water materials or as iron corrosion by-products and in water treatment processes. Human activities such as mine drainage water, acid mine effluents and agricultural runoff.	A guideline value is not necessary as health effects are not of concern at levels found in drinking water and at the level at which the AO is set.	AO is for total iron and is based on minimizing the occurrence of discoloured water and to improve consumer confidence in drinking water quality. Removal of iron also improves the removal of manganese, reducing the health risk associated with this metal.

Madrona #4 Raw Well Water Analysis Northwest Bay Logging Road

CDWG=Canadian Drinking Water Guidelines

MAC=Maximum Acceptable Concentration

OG= Operational Guidance Value

AO=Aesthetic Objective

Orange font indicates non-compliance with the Aesthetic Objective (AO) in the Canadian Drinking Water Guidelines (CDWG)

Red font indicates non-compliance with the Maximum Acceptable Concentration (MAC) in the CDWG

	Units	CDWG		October 26 2016	September 20 2017	Nov. 6 2018	October 24 2019	November 5 2020	October 28 2021	October 20 2022	October 26 2023	October 10 2024	November 20 2025
Miscellaneous Inorganics													
Fluoride	mg/L	1.5	MAC	0.13	0.12	0.14	0.16	0.12	0.12	0.13	0.14	0.096	0.081
Alkalinity (total as CaCO ₃)	mg/L			132	132	135	130	140	130	130	130	130	120
Anions													
Dissolved Sulphate	mg/L	500	AO	6.38	6.4	6.3	6.1	6.2	6.9	6.3	5.9	5.9	4.1
Dissolved Chloride	mg/L	250	AO	20	19	22	23	22	17	21	20	19	14
Nitrite	mg/L	1	MAC	<0.0050	<0.0050	<0.0050	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Miscellaneous													
Apparent Colour	Colour Unit			15	10	10	15	10	<5	5	5	6.3	55
Nutrients													
Total Ammonia	mg/L			0.34	0.28	0.24	0.31	0.27	0.26	0.27	0.28	0.27	0.28
Physical Properties													
Conductivity	µS/cm			334	322	327	340	340	300	340	340	330	280
pH	pH	7.0:10.5	AO	8.35	8.33	8.23	8.17	8.47	7.93	8.31	8.27	8.26	8.17
TDS	mg/L	500	AO	186	170	170	180	190	190	180	190	160	160
Turbidity	NTU			5.68	0.76	2.25	0.17	0.15	0.19	0.13	0.23	0.18	21
Microbiological Parameters													
E.coli	MPN/100mL	<1	MAC	<1.0	<1.0	<1.0	0	0	0	0	0	0	1
Total Coliforms	MPN/100mL	<1	MAC	<1.0	<1.0	<1.0	0	0	0	0	0	0	0
Calculated Parameters													
Total Hardness (CaCO ₃)	mg/L			42.7	43.4	40.9	39	42	48.5	43.2	42.8	47.4	56.2
Nitrate	mg/L	10	MAC	<0.020	<0.020	<0.020	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Elements													
Total Mercury	mg/L	0.001	MAC	<0.00001	<0.00001	<0.000002	<0.000002	<0.0000019	<0.0000019	0.0000024	<0.0000019	<0.0000019	0.0000055
Total Metals													
Total Aluminum	mg/L	0.1	OG	0.203	0.0107	0.023	0.0038	<0.003	0.0037	0.0047	<0.003	0.004	0.853
Total Antimony	mg/L	0.006	MAC	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Total Arsenic	mg/L	0.01	MAC	0.00962	0.00912	0.00867	0.00871	0.00884	0.0097	0.00879	0.00914	0.00913	
Total Barium	mg/L	1	MAC	0.0135	0.0111	0.0111	0.0114	0.011	0.0117	0.0112	0.0111	0.0114	0.0156
Total Beryllium	mg/L			<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Total Bismuth	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Total Boron	mg/L	5	MAC	0.165	0.147	0.156	0.155	0.153	0.122	0.171	0.153	0.144	0.114
Total Cadmium	mg/L	0.005	MAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Total Chromium	mg/L	0.05	MAC	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0014
Total Cobalt	mg/L			<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0005
Total Copper	mg/L	1	AO	0.00104	0.00041	0.0012	0.00048	0.00027	0.00174	0.00049	0.0006	0.00021	0.00369
Total Iron	mg/L	0.1	AO	0.219	0.0179	0.043	0.0113	0.007	0.0164	0.0083	<0.005	0.0147	1.34
Total Lead	mg/L	0.01	MAC	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00034
Total Manganese	mg/L	0.02 0.12	AO MAC	0.0257	0.0232	0.0208	0.0188	0.0204	0.0257	0.021	0.0218	0.025	0.0583
Total Molybdenum	mg/L			0.0038	0.003	0.0037	0.0037	0.0034	0.0026	0.0034	0.0033	0.0028	0.0019
Total Nickel	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0015
Total Selenium	mg/L	0.05	MAC	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Total Silicon	mg/L			7.12	8.01	7.04	6.59	6.61	7.97	8.34	7.67	7.68	9.14
Total Silver	mg/L			<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Total Strontium	mg/L			0.0751	0.0764	0.0784	0.0786	0.0777	0.0887	0.0807	0.0777	0.0767	0.085
Total Thallium	mg/L			<0.00005	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Total Tin	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Total Titanium	mg/L			0.0138	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.0581
Total Uranium	mg/L	0.02	MAC	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Total Vanadium	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Total Zinc	mg/L	5	AO	<0.005	<0.005	<0.005	<0.005	<0.005	0.008	<0.005	<0.005	<0.005	0.0236
Total Zirconium	mg/L			<0.0005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00026
Total Calcium	mg/L			11.4	11.8	11.1	10.6	11.5	13.3	11.5	11.6	13	15.5
Total Magnesium	mg/L			3.46	3.41	3.19	3.06	3.23	3.71	3.53	3.36	3.63	4.25
Total Potassium	mg/L			1.57	1.61	1.61	1.7	1.62	1.72	1.58	1.69	1.66	1.66
Total Sodium	mg/L	200	AO	59.1	53.3	55.9	57.3	54.6	45.2	56.5	53.9	49.5	37.4
Total Sulphur	mg/L			<3.0	<3.0	<3.0	<3	<3	<3	<3	<3	<3	<3

Notes below about Iron and Manganese from: <https://www.canada.ca/en/health-canada/services/environmental-workplace-health/reports-publications/water-quality/guidelines-canadian-drinking-water-quality-summary-table.html#2>

Type	Parameter (published, reaffirmed)	MAC (mg/L)	Other value (mg/L)	Common sources of parameter in water	Health considerations	Comments
I = Inorganic chemical parameter	Manganese (2019)	0.12	AO: ≤0.02	Dissolution of naturally occurring minerals commonly found in soil and rock. Other sources include industrial discharge, mining activities and leaching from landfills.	Health Basis of MAC: Effects on neurological development and behaviour; deficits in memory, attention, and motor skills. Other: Formula-fed infants (where water containing manganese at levels above the MAC is used to prepare formula) may be especially at risk.	AO based on minimizing the occurrence of discoloured water, consumer complaints and staining of laundry.
I = Inorganic chemical parameter	Iron (2024)	None	AO: ≤0.1	Naturally occurring (erosion and weathering of rocks and minerals due to geological processes); Released from iron-based drinking water materials or as iron corrosion by-products and in water treatment processes. Human activities such as mine drainage water, acid mine effluents and agricultural runoff.	A guideline value is not necessary as health effects are not of concern at levels found in drinking water and at the level at which the AO is set.	AO is for total iron and is based on minimizing the occurrence of discoloured water and to improve consumer confidence in drinking water quality. Removal of iron also improves the removal of manganese, reducing the health risk associated with this metal.

CDWG=Canadian Drinking Water Guidelines

MAC=Maximum Acceptable Concentration

OG= Operational Guidance Value

AO=Aesthetic Objective

Orange font indicates non-compliance with the Aesthetic Objective (AO) in the Canadian Drinking Water Guidelines (CDWG)

Red font indicates non-compliance with the Maximum Acceptable Concentration (MAC) in the CDWG

	Units	CDWG		October 26 2016	Sept 20 2017	Nov. 6 2018	October 17 2019	October 20 2020	October 28 2021	October 20 2022	October 26 2023	October 10 2024	November 20 2025
Miscellaneous Inorganics													
Fluoride	mg/L	1.5	MAC	0.056	0.052	0.056	<0.05	<0.05	0.052	0.055	0.05	<0.05	<0.05
Alkalinity (total as CaCO ₃)	mg/L			189	194	192	190	210	200	190	180	170	190
Anions													
Dissolved Sulphate	mg/L	500	AO	11.6	12.9	13.3	15	17	17	16	16	15	19
Dissolved Chloride	mg/L	250	AO	13	15	19	20	23	23	20	21	22	29
Nitrite	mg/L	1	MAC	<0.0050	<0.0050	<0.0050	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Miscellaneous													
Apparent Colour	Colour Unit			<5.0	5	<5.0	5	10	<5	<5	5	<2	3.7
Nutrients													
Total Ammonia	mg/L			0.084	<0.020	<0.020	0.065	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Physical Properties													
Conductivity	µS/cm			475	486	505	520	550	530	530	530	500	530
pH	pH	7.0:10.5	AO	8.16	8.38	8.06	8.17	8.3	7.82	8.06	8.17	8.06	7.97
TDS	mg/L	500	AO	260	270	276	320	350	340	310	310	280	320
Turbidity	NTU			0.12	<0.10	0.12	<0.10	<0.1	<0.1	0.13	0.79	<0.1	0.47
Microbiological Parameters													
E.coli	MPN/100mL	<1	MAC	<1.0	<1.0	<1.0	0	0	0	0	0	0	0
Total Coliforms	MPN/100mL	<1	MAC	<1.0	<1.0	<1.0	0	0	0	0	0	0	0
Calculated Parameters													
Total Hardness (CaCO ₃)	mg/L			232	229	243	234	263	238	242	235	218	249
Nitrate	mg/L	10	MAC	5.98	7.45	8.78	8.19	9.31	9.2	9.49	8.46	8.36	8.25
Elements													
Total Mercury	mg/L	0.001	MAC	<0.00001	<0.00001	<0.000002	<0.000002	<0.0000019	<0.0000019	0.0000022	<0.0000019	<0.0000019	<0.0000019
Total Metals													
Total Aluminum	mg/L	0.1	OG	0.003	<0.003	0.0049	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Total Antimony	mg/L	0.006	MAC	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Total Arsenic	mg/L	0.01	MAC	0.00124	0.00115	0.00109	0.00102	0.0011	0.0015	0.00115	0.0011	0.00105	0.00102
Total Barium	mg/L	1	MAC	0.0114	0.0124	0.0129	0.0125	0.014	0.0136	0.0125	0.0136	0.012	0.0133
Total Beryllium	mg/L			<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Total Bismuth	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Total Boron	mg/L	5	MAC	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Total Cadmium	mg/L	0.005	MAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Total Chromium	mg/L	0.05	MAC	<0.001	<0.001	<0.001	0.0012	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Total Cobalt	mg/L			<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Total Copper	mg/L	1	AO	0.00347	0.00449	0.00789	0.00299	0.00258	0.00846	0.00335	0.00444	0.00365	0.00358
Total Iron	mg/L	0.1	AO	0.006	<0.005	0.013	<0.005	<0.005	0.0062	<0.005	0.0068	<0.005	0.0326
Total Lead	mg/L	0.01	MAC	0.00041	0.00034	0.00071	0.00022	<0.00020	0.00045	<0.0002	<0.0002	<0.0002	<0.0002
Total Manganese	mg/L	0.02 0.12	AO MAC	0.0013	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Total Molybdenum	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Total Nickel	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Total Selenium	mg/L	0.05	MAC	0.00043	0.00042	0.00039	0.00044	0.0005	0.00045	0.00046	0.0005	0.00032	0.00051
Total Silicon	mg/L			10.1	11.6	10.4	10.2	10.9	10.6	12.3	10.9	10.4	10.4
Total Silver	mg/L			<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Total Strontium	mg/L			0.12	0.132	0.141	0.133	0.152	0.15	0.136	0.141	0.124	0.144
Total Thallium	mg/L			<0.00005	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Total Tin	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Total Titanium	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Total Uranium	mg/L	0.02	MAC	0.00015	0.00016	0.00015	0.00016	0.00018	0.00019	0.00016	0.00017	0.00014	0.00017
Total Vanadium	mg/L			0.0069	0.0071	0.0068	0.0061	0.0066	0.0064	0.0062	0.0062	0.0058	0.0059
Total Zinc	mg/L	5	AO	<0.005	<0.005	0.0071	<0.005	<0.005	0.0064	<0.005	0.006	<0.005	<0.005
Total Zirconium	mg/L			<0.0005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Total Calcium	mg/L			63.7	60.9	66.9	65.2	71.8	64.7	66.5	63.2	59	66.9
Total Magnesium	mg/L			17.6	18.8	18.4	17.3	20.4	18.5	18.5	18.7	17.2	19.9
Total Potassium	mg/L			0.768	0.881	0.873	0.85	0.987	0.901	0.809	0.856	0.825	0.927
Total Sodium	mg/L	200	AO	9.17	9.55	9.74	8.67	10	9.19	9.19	9.24	9.02	9.9
Total Sulphur	mg/L			3.9	4.3	3.9	4.5	5.3	5.5	5.8	5.9	4.6	6

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