Wilderness Mountain Water System

2021 Annual Report



Introduction

This report provides a summary of the Wilderness Mountain Water Service for 2021 and includes a description of the service, summary of the water supply, demand and production, drinking water quality, operations highlights, capital project updates and financial report.

Service Description

The community of Wilderness Mountain is a rural residential development located on Mount Matheson in the Juan de Fuca Electoral Area. The area was originally serviced by a private water utility from about 1983, and in 2008 the service converted to the Capital Regional District (CRD). The Wilderness Mountain water service is made up of 82 parcels encompassing a total area of approximately 124 hectares. Of the 82 parcels, 74 were customers to the water system in 2021.

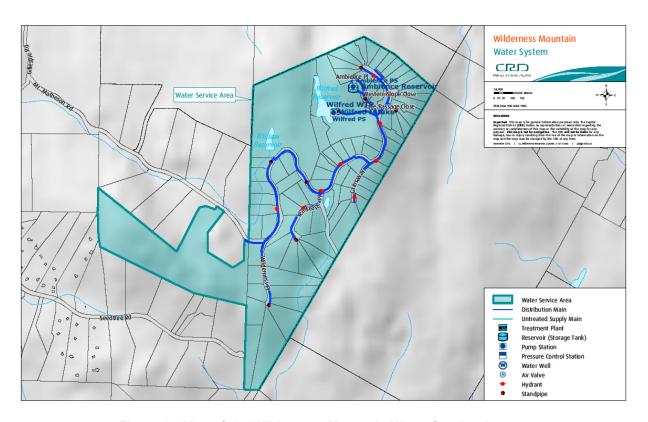


Figure 1: Map of the Wilderness Mountain Water Service Area

The Wilderness Mountain water system is primarily comprised of:

- Raw water obtained from Wilfred Reservoir, a small surface water body which lies within a protected watershed and was created by the construction of two dams.
- Water from Wilfred Reservoir is pumped to the treatment plant which consists of coarse cartridge filtration, ultraviolet disinfection and chloramine disinfection.
- The chloraminated water is then pumped to two distribution system storage tanks (combined capacity of 250 cubic metres or 66,000 US gallons) and the distribution system.
- Distribution system (3,750 meter network of 150 millimeter (6 inch) and 100 mm (4 inch) polyvinyl chloride (PVC) water mains).
- Other water system assets: 74 service connections, 10 hydrants, six standpipes, 21 gate valves and a Supervisory Control and Data Acquisition (SCADA) system.
- Although the water system also includes the William Brook Dam and related water reservoir, this reservoir is no longer utilized for water supply.

Water Supply

The raw water supply level in Wilfred Reservoir is shown in Figure 2. The lake level was at its lowest point in September and November. The reservoir reached full volume in January 2021.

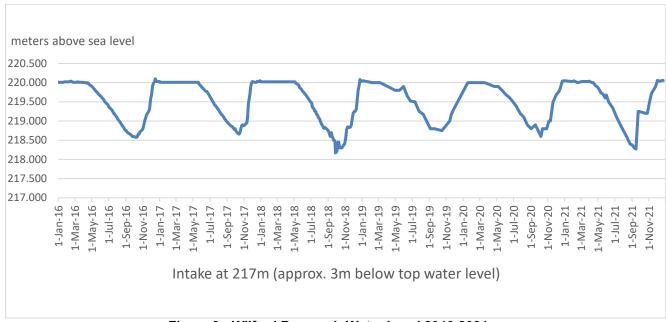


Figure 2: Wilfred Reservoir Water Level 2016-2021

Water Usage

The volume used by the community, or the water demand, is illustrated in Figure 3. The demand in 2021 was 19% higher than in 2020 and 29% higher than the five year average.

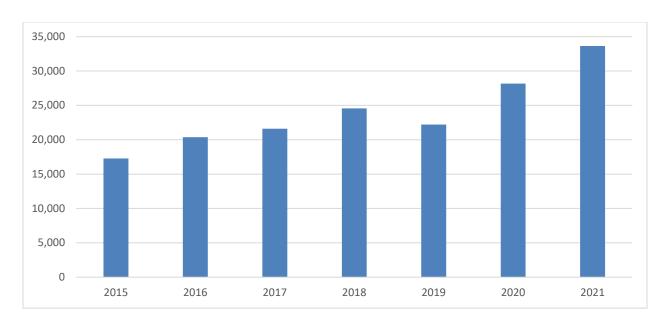


Figure 3: Wilderness Mountain Water Demand (cubic meters) 2015-2021

Drinking Water Quality

The Wilderness Mountain Water System was on a boil water advisory (BWA) for 224 days in 2021 due to elevated turbidity in the treated water. High algal activity and the inability of the existing filtration system to filter out very small algae species in bloom were the main factors for this recordlong BWA for this system. Discussions with the Commission, Island Health, and CRD staff have taken place to plan upgrades in the near future to mitigate this situation.

Wilfred Reservoir raw water exhibited elevated iron and manganese concentrations throughout the entire year, but especially during the fall. In the days following the extreme rainfall and runoff event on November 14 and 15, 2021, both iron and manganese concentrations in the reservoir reached unusually high levels. Without designated treatment in place to remove these metals from the raw water, the aesthetic objective for manganese, as per Guidelines for Canadian Drinking Water Quality (GCDWQ), was regularly exceeded in the treated water. In samples from November 19 following this extreme weather event, the manganese concentrations in the treated water even exceeded the maximum acceptable concentration (MAC), and the iron concentrations surpassed the aesthetic limit. Concentrations beyond the aesthetic limit can lead to water discolourations, while exceedances of the MAC can become a health issue with chronic exposure. Because the disinfection process in the Wilderness Mountain Water System utilizes chloramination, the effects on customers in terms of discoloured water may have been reduced. Additional treatment is required to mitigate this issue.

The data below provides a summary of the water quality characteristics in 2021:

Raw Water:

- Between June and August, the raw water exhibited medium to high concentrations of total coliform bacteria. Outside this timeframe, total coliform concentrations were low.
- E. coli bacteria concentrations were mostly low with higher concentrations in the fall and winter, which included one exceedance of the USEPA 20 CFU/100mL unfiltered surface water treatment criterion (26 CFU/100mL on Nov 19, following the extreme rainfall and runoff event).
- Cryptosporidium and Giardia parasites were tested twice in 2021 and neither were detected.
- The raw water was tested for metals in March, May, August and November and in all samples manganese was above the aesthetic objective and the sample from November above the MAC in the GCDWQ. Iron concentrations were elevated but only the November sample was in exceedance of the aesthetic objective. Concentrations of both metals are highest in the fall following events of high precipitation and runoff into the reservoir and during the lake turnover. No significant water discolouration was reported by customers.
- The mean annual raw water turbidity was 1.25 Nephelometric Turbidity Unit (NTU) and therefore significantly higher than in 2020. The maximum turbidity was 2.2 NTU (July to August). Most raw water turbidity spikes coincided with algal and/or zooplankton blooms in Wilfred Reservoir.
- The raw water was soft (median hardness 15.3 mg/L CaCO₃).
- The pH was neutral (median pH 7.1).
- The median total organic carbon (TOC) concentration was moderately high at 4.35 mg/L, slightly higher than in 2020; likely a result of higher algal activity in 2021.

Treated Water:

- The treated water was bacteriologically safe to drink outside the two BWA periods (first BWA April 20 to October 7; second BWA: October 26 to December 17). No *E. coli* bacteria were found in the treated water and only one of 112 bacteriological samples tested positive for total coliform bacteria throughout the year (October 4: 3 CFU/100mL at 719 Cains Way).
- The treated water turbidity was periodically above the GCDWQ turbidity limit of 1.0 NTU
 in particular during spring and summer. This led to the aforementioned prolonged BWAs.
 The short-term exceedances lasted only a few minutes and were usually related to pump
 starts or other operational activities.
- The disinfection by-products Trihalomethanes (TTHM) and Haloacetic Acids (HAA) were well below the GCDWQ limits.
- The annual median total chlorine residual in the system was 1.54 mg/L.

Table 1 and 2 below provide a summary of the 2021 raw and treated water test results.

Water quality data collected from this drinking water system can be reviewed on the CRD website:

https://www.crd.bc.ca/about/data/drinking-water-quality-reports

Operational Highlights

The following is a summary of the operational issues that were addressed by CRD Integrated Water Services staff:

- Maintenance of all 10 fire hydrants
- Repair of 50 mm diameter service line leak on Cains Way
- Replacement of hypochlorite metering pump at the treatment plant
- Monthly dam inspections and maintenance

Capital Project Updates - 2021

• Source Water Protection Plan – Started in 2021 with completion expected in 2022.

Financial Report

Please refer to the attached 2021 Statement of Operations and Reserve Balances.

Revenue includes parcel taxes (Transfers from Government), fixed user fees (User Charges), water sales and interest on savings (Interest earnings), and miscellaneous revenue such as late payment charges (Other revenue).

Expenses include all costs of providing the service. General Government Services include budget preparation, financial management, utility billing and risk management services. CRD Labour and Operating Costs include CRD staff time as well as the costs of equipment, tools and vehicles. Debt servicing costs are interest and principal payments on long term debt. Other Expenses include all other costs to administer and operate the water system, including insurance, supplies, water testing and electricity.

The difference between Revenue and Expenses is reported as Net revenue (expenses). Any transfers to or from capital or reserve funds for the service (Transfers to Own Funds) are deducted from this amount and added to any surplus or deficit carry forward from the prior year, yielding an Accumulated Surplus (or deficit) that is carried forward to the following year.

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Attachment: 2021 Statement of Operations and Reserve Balances

For questions related to this Annual Report please email IWSAdministration@crd.bc.ca

Table 1

Table 1: 2021 Summary of Raw Water Test Res		2021 ANALYTICAL RESULTS				CANADIAN GUIDELINES	2011 - 2020 RESULTS		
Parameter	Units of	Annual	Samples	Ra	nge	≤ = Less than or equal to		Samples	Range
Name	Measure	Median	Analyzed	Minimum	Maximum	<u>S</u> - Less than or equal to	Median	Analyzed	Minimum-Maxim
/L = parts per million ug/L = parts									
	Physic	al Param	eters (NE	means Not I	Detected by a	nalytical method used)			
Alkalinity, Total	mg/L	8.2	1	8.2	8.2		8.78	28	7.28-13.3
Carbon, Dissolved Organic	mg/L as C	4.2	2	3.0	5.4	Cuideline Anabhaad	3.8	24	1.91 - 5.20
Carbon,Total Organic Colour, True	mg/L as C TCU	4.35 14	4 7	3.5 7	8.8 26	Guideline Archived ≤15 AO	4 12.0	25 78	2.96 - 6.83 2.1 - 23.0
Conductivity @ 25 C	uS/cm	14		ed in 2021	1 20	210 AO	75.3	33	67.7-92.7
Hardness as CaCO ₃	mg/L	15.3	4	14.2	16.9	No Guideline Required	16.6	31	11.1 - 20.6
pH	pH units	7.1	18	6.6	8.1	7.0 - 10.5 AO	6.845	44	6.14-7.36
Total Suspended Solids	mg/L	7.2	1	7.2	7.2		1.65	20	ND - 1.6
Total Solids	mg/L	79.0	2	70.0	88.0		49.45	20	42-58
Turbidity, lab tests	NTU	1.25	38	0.55	2.2		0.86	388	0.38 - 5.8
Ultraviolet Absorption, 5 cm	Abs.@254 nm		Last test	ed in 2015			0.425	22	0.345-0.659
Ultraviolet Transmittance	%	74.5	5	72.7	76		78.4	30	73.7 - 82.8
Water Temperature	degrees C	10.5	27	3.5	20.4	≤15 AO	11.0	461	1.7 - 21.2
	Non-Metallic I	norganic	Chemi	rals (ND m	neans Not Det	ected by analytical method i	read)		
	ivon-wetanic i	iorganic	, Onemi	cais (NDII	eans Not Det	ected by analytical method t	useu)		
Ammonia, Total	ug/L as N	ND	2	ND	ND		12.6	20	ND - 71.0
Bromide	ug/L as Br	0.036	1	0.036	0.036		12.855	18	ND - 50
Chloride	mg/L as Cl	14	1	14	14	≤ 250 AO	11.0	8	11.0 - 12.1
Cyanide	mg/L as Cn	ND	1	ND	ND	0.2 MAC	ND	2	ND - 0.02
Fluoride	mg/L as F	ND	1	ND	ND	1.5 MAC	ND	8	ND - 0.02
Nitrogen, Nitrate	ug/L as N	ND	2	ND	0.03		ND	19	0.15 - 37.0
Nitrogen, Nitrite	ug/L as N	ND	2	ND	ND		ND 100.5	18	ND
Nitrogen, Total	ug/L as N	122.0	2	0.26	244		188.5	20	84.0- 263
Phosphate,Total	ug/L as P	3.6	2	0.005	7.2		6.2	22	ND - 71.0
Silica Silicon	mg/L as SiO ₂	5.1 2375	4	4.90 2040	5.2 2610		2.76 1430	17 20	ND - 5.28
Silicon	mg/L as Si mg/L as SO ₄	5.45	2	5.4	5.5	≤ 500 AO	7.139	20	380-2360 4.9-19
Sulphide	mg/L as H ₂ S	ND	1	ND	ND	≤ 0.05 AO	ND	7	ND - 0.29
Sulphur	mg/L as S	ND	4	ND ND	ND	20.00710	ND	21	ND - 5.94
·	, , ,		•				•	,	
		Metals (N	ID means No	t Detected by	analytical me	ethod used)			
Aluminum	ug/L as Al	44.4	4	18.7	53.7	2900 MAC / 100 OG	24.9	20	7.8-81.5
Antimony	ug/L as Sb	ND	4	ND	ND	6 MAC	ND	20	ND
Arsenic	ug/L as As	ND	4	ND	0.12	10 MAC	ND	20	ND - 0.15
Barium	ug/L as Ba	2.25	4	1.5	2.3	1000 MAC	1.85	20	ND - 2.70
Beryllium	ug/L as Be	ND	4	ND	ND		ND	20	ND
Bismuth	ug/L as Bi	ND	4	ND	ND		ND	20	ND
Boron	ug/L as B	ND	4	ND	ND	5000 MAC	ND	20	ND ND
Cadmium	ug/L as Cd	ND 2.205	4	ND 2.07	ND 2.66	5 MAC	ND 2.425	20	ND - 0.117
Calcium Chromium	mg/L as Ca ug/L as Cr	3.265 ND	4	2.97 ND	3.66 ND	No Guideline Required 50 MAC	3.425 ND	20 20	2.91-4.56 ND
Cobalt	ug/L as Co	ND	4	ND ND	0.3	50 IVAC	ND	20	ND ND
Copper	ug/L as Cu	2.85	4	1.97	4.85	2000 MAC / ≤ 1000 AO	3.135	20	1.95-14.6
Iron	ug/L as Fe	147.5	4	111	643	≤ 300 AO	178	20	115 - 471
Lead	ug/L as Pb	0.27	4	ND	0.4	5 MAC	0.27	20	ND - 1.01
Lithium	ug/L as Li	ND	4	ND	ND		ND	11	ND
Magnesium	mg/L as Mg	1.745	4	1.65	1.89	No Guideline Required	1.795	20	1.56-2.24
Manganese	ug/L as Mn	39.25	4	23.7	137	120 MAC / ≤ 20 AO	59.5	20	33-167
Mercury	ug/L as Hg	ND	4	ND	0.0023		ND	17	ND
Molybdenum	ug/L as Mo	ND	4	ND	ND		ND	20	ND
Nickel	ug/L as Ni	ND	4	ND	ND		ND	20	ND - 5.20
Potassium	mg/L as K	0.306	4	0.249	0.381		0.32	20	0.252 - 0.36
Selenium	ug/L as Se	ND	4	ND	ND	50 MAC	ND	20	ND - 0.12
Silver Sodium	ug/L as Ag	ND 6.74	4	ND 6.48	ND 7.34	No Guideline Required ≤ 200 AO	ND 7.01	20 20	ND 6.25-10.9
Strontium	mg/L as Na ug/L as Sr	6.74 14.45	4	13.9	16.1	≤ 200 AO 7000 MAC	7.01 14.45	20	12.8-16
Thallium	ug/L as Sr ug/L as Tl	14.45 ND	4	13.9 ND	ND	I UUU IVIAC	14.45 ND	20	12.8-16 ND
Tin	ug/L as 11	ND	4	ND	ND		ND	20	ND ND
Titanium	ug/L as Ti	ND	4	ND	ND		ND	20	ND
Uranium	ug/L as U	ND	4	ND	ND	20 MAC	ND	20	ND
Vanadium	ug/L as V	ND	4	ND	ND		ND	20	ND
Zinc	ug/L as Zn	ND	4	ND	7.5	≤ 5000 AO	ND	20	ND - 18.6
Zirconium	ug/L as Zr	ND	4	ND	ND		ND	20	ND
			Microb	ial Paran	neters				
Indicator Bacter	ria		1					1	
Coliform Total	Coliforms /100 m-1	142	17	12	200		150	240	ND 2440
Coliform, Total E. coli	Coliforms/100 mL E.coli/100 mL	112 3.5	17 18	12 ND	280 26		158 ND	240 242	ND - 2419 ND - 40
Hetero. Plate Count, 28C (7 day)	CFU/1 mL	5.5		zed in 2014	1 20	No Guideline Required	845	80	40 - 5800
	SI O/ I IIIL		_aat analy	_ 50 11 2014		. 10 Saladimo Nequired	3-13		
Chlorophyll									
	,								
Chlorophyll, Total	ug/L	5.41	18	0.73	12.6		2.91	464	0.04 - 18.93
Parasites	I					No MAC Established			
rarasites						IND IVIA C ESTABIIS Ned			
		ND	2	ND	ND	Zero detection desirable	ND	35	ND
Cryptosporidium, Total oocysts	oocysts/100 L								
Cryptosporidium, Total oocysts Giardia, Total cysts	cysts/100 L	ND	2	ND	ND	Zero detection desirable	ND	31	ND - 1.2

Table 2

	reated Water T								
PARAMETER		20:	21 ANALYTI	CAL RESUL	TS	CANADIAN GUIDELINES		2011-2020	RESULTS
Parameter	Units of	Annual	Samples	Ra	nge	< = Less than or equal to		Samples	Range
Name	Measure	Median	Analyzed	Min.	Max.	= 2000 than or equal to	Median	Analyzed	MinMax.
ng/L = parts per million ug/L = part	s per billion								
			Phys	ical Par	ameters				
Colour, True	TCU	10.15	6	5	18	≤ 15 AO	8.3	73	3.0 - 18.0
Conductivity @ 25 C	uS/cm	L	Not teste	_	_		91.8	31	82.2-100.3
Hardness as CaCO3	mg/L	15.35	4	14.2	17.1		16.05	10	13.9-18.1
pН	pH units	7.52	17	6.86	9.1	7.0 - 10.5 AO	6.96	48	6.31-8.86
Total Organic Carbon	mg/L	4.35	4	3.5	8.7		3.45	4	2.5-4.3
Turbidity, lab tests	NTU	0.73	38	0.35	1.7	1 MAC and ≤ 5 AO	ND	463	0.17 - 3.6
Water Temperature	degrees C	11.05	276	2.8	21.1	≤ 15 AO	11.0	1904	1.8 - 20.9
Indicator Bacter	-1-		Wilcro	bial Par	ameters				
Indicator Bacter	па							1	
Coliform, Total	CFU/100 mL	ND	112	ND	3	0 MAC	ND	826	ND - 16
E. coli	CFU/100 mL	ND	112	ND	ND	0 MAC	ND	920	ND ND
Hetero. Plate Count, 28C (7 day)	CFU/1 mL	7700	14	690	ND	No Guideline Required	510	145	0 - 32400
						,			
			D	isinfect	ants				
Disinfectants									
		L		_					
Chlorine, Total Residual	mg/L as Cl ₂	1.54	325	0	3.24	No Guideline Required	1.01	1974	ND-5.2
Monochloramine, Field - 1 Station	mg/L	2.46	32	0.45	2.81		2.23	30	0.17 - 1.16
		.41	D	_					
	Disinfed	ction By-	roduct	S (ND mear	ns Not Detect	ted by analytical method use	d)		
Trihalomethanes (TUMe)					<u> </u>			
rimaiometrianes (i nivis)							1 1	
Bromodichloromethane (BDCM)	ug/L	ND	4	ND	ND		ND	57	ND - 26.0
, ,		ND	4	ND	ND		ND ND	57	ND - 26.0
Bromoform (BRFM)	ug/L	_	_	_	_		_		
Chloroform (CHLF)	ug/L	2.3	4	1.8	2.9		5.9	57	ND - 256
Chlorodibromomethane (DBCM)	ug/L	ND	4	ND ND	ND	400 141 0	ND 5.0	57	ND - 3.10
Total Trihalomethanes (TTHM)	ug/L	2.3	4	1.8	2.9	100 MAC	5.8	57	ND - 274
Haloacetic Acids (H	HAAs)							1	
(
Haloacetic Acids (*5 Total, HAA5)	ug/L	14	4	7.7	21	80 MAC	10	51	0.75-262
		L							
		Metals	(ND means I	Not Detected	by analytica	ll method used)			
					by analytice				
								k I	
Aluminum	ug/L as Al	29.9	4	13.2	44.1	2900 MAC / 100 OG	24	10	4.5-62.1
Antimony	ug/L as Sb	ND	4	ND	44.1 ND	2900 MAC / 100 OG 6 MAC	ND	10	ND
Antimony Arsenic	ug/L as Sb ug/L as As	ND ND	4 4	ND ND	44.1 ND ND	2900 MAC / 100 OG 6 MAC 10 MAC	ND ND	10 10	ND ND - 0.14
Antimony Arsenic Barium	ug/L as Sb ug/L as As ug/L as Ba	ND ND 2	4 4 4	ND ND 1.3	44.1 ND ND ND 2.3	2900 MAC / 100 OG 6 MAC	ND ND 1.25	10 10 10	ND ND - 0.14 ND-2.6
Antimony Arsenic Barium Beryllium	ug/L as Sb ug/L as As ug/L as Ba ug/L as Be	ND ND 2 ND	4 4 4 4	ND ND 1.3 ND	44.1 ND ND 2.3 ND	2900 MAC / 100 OG 6 MAC 10 MAC	ND ND 1.25 ND	10 10 10 10	ND ND - 0.14 ND-2.6 ND
Antimony Arsenic Barium Beryllium Bismuth	ug/L as Sb ug/L as As ug/L as Ba ug/L as Be ug/L as Bi	ND ND 2 ND ND	4 4 4 4 4	ND ND 1.3 ND ND	44.1 ND ND 2.3 ND	2900 MAC / 100 OG 6 MAC 10 MAC 1000 MAC	ND ND 1.25 ND ND	10 10 10 10 10	ND ND - 0.14 ND-2.6 ND ND
Antimony Arsenic Barium Beryllium Bismuth Boron	ug/L as Sb ug/L as As ug/L as Ba ug/L as Be ug/L as Bi ug/L as Bi	ND ND 2 ND ND ND	4 4 4 4 4 4	ND ND 1.3 ND ND ND	44.1 ND ND 2.3 ND ND	2900 MAC / 100 OG 6 MAC 10 MAC 1000 MAC	ND ND 1.25 ND ND	10 10 10 10 10 10	ND ND - 0.14 ND-2.6 ND ND
Antimony Arsenic Barium Beryllium Bismuth Boron Cadmium	ug/L as Sb ug/L as As ug/L as Ba ug/L as Be ug/L as Bi ug/L as B ug/L as Cd	ND ND 2 ND ND ND	4 4 4 4 4 4	ND ND 1.3 ND ND ND	44.1 ND ND 2.3 ND ND ND	2900 MAC / 100 OG 6 MAC 10 MAC 1000 MAC 5000 MAC 5 MAC	ND ND 1.25 ND ND ND ND	10 10 10 10 10 10 10 10	ND ND - 0.14 ND-2.6 ND ND ND
Antimony Arsenic Barium Beryllium Bismuth Boron Cadmium Calcium	ug/L as Sb ug/L as As ug/L as Ba ug/L as Be ug/L as Bi ug/L as B ug/L as Cd	ND ND 2 ND 3.275	4 4 4 4 4 4 4	ND ND 1.3 ND ND ND ND ND ND ND ND ND 2.98	44.1 ND ND 2.3 ND ND ND ND ND	2900 MAC / 100 OG 6 MAC 10 MAC 1000 MAC 5000 MAC 5 MAC No Guideline Required	ND ND 1.25 ND ND ND ND ND	10 10 10 10 10 10 10 10 10	ND ND - 0.14 ND - 0.14 ND - 2.6 ND ND ND ND ND 2.93-3.95
Antimony Arsenic Barium Beryllium Bismuth Boron Cadmium	ug/L as Sb ug/L as As ug/L as Ba ug/L as Be ug/L as Bi ug/L as B ug/L as Cd	ND ND 2 ND ND ND	4 4 4 4 4 4	ND ND 1.3 ND ND ND	44.1 ND ND 2.3 ND ND ND	2900 MAC / 100 OG 6 MAC 10 MAC 1000 MAC 5000 MAC 5 MAC	ND ND 1.25 ND ND ND ND	10 10 10 10 10 10 10 10	ND ND - 0.14 ND-2.6 ND ND ND
Antimony Arsenic Barium Beryllium Bismuth Boron Cadmium Calcium Chromium Cobalt	ug/L as Sb ug/L as As ug/L as Ba ug/L as Be ug/L as Bi ug/L as Bi ug/L as Cd mg/L as Ca ug/L as Ca	ND ND 2 ND	4 4 4 4 4 4 4 4 4	ND ND 1.3 ND	44.1 ND ND 2.3 ND ND ND ND ND ND ND ND ND	2900 MAC / 100 OG 6 MAC 10 MAC 1000 MAC 5000 MAC 5 MAC No Guideline Required 50 MAC	ND ND 1.25 ND ND ND ND ND ND ND ND	10 10 10 10 10 10 10 10 10 10	ND ND - 0.14 ND-2.6 ND ND ND ND ND ND ND ND
Antimony Arsenic Barium Beryllium Bismuth Boron Cadmium Calcium Chromium Cobalt Copper	ug/L as Sb ug/L as As ug/L as Ba ug/L as Be ug/L as Bi ug/L as B ug/L as Cd mg/L as Ca ug/L as Ca ug/L as Co ug/L as Co	ND ND 2 ND	4 4 4 4 4 4 4 4 4	ND ND 1.3 ND ND ND ND ND ND ND ND ND ND ND ND ND	44.1 ND ND 2.3 ND ND ND ND ND ND 0.23	2900 MAC / 100 OG 6 MAC 10 MAC 1000 MAC 5000 MAC 5 MAC No Guideline Required 50 MAC	ND ND 1.25 ND ND ND ND ND 3.44 ND ND ND	10 10 10 10 10 10 10 10 10 10 10 10	ND ND - 0.14 ND - 2.6 ND ND ND ND 2.93-3.95 ND ND 5.16-92.7
Antimony Arsenic Barium Beryllium Bismuth Boron Cadmium Calcium Chromium Cobalt Copper	ug/L as Sb ug/L as As ug/L as Ba ug/L as Be ug/L as Bi ug/L as Cd mg/L as Ca ug/L as Co ug/L as Co ug/L as Co ug/L as Co	ND ND 2 ND	4 4 4 4 4 4 4 4 4 4 4	ND ND 1.3 ND ND ND ND ND 2.98 ND ND ND ND ND	44.1 ND ND 2.3 ND ND ND ND ND ND 3.89 ND 0.23 13.1	2900 MAC / 100 OG 6 MAC 10 MAC 1000 MAC 5000 MAC 5 MAC No Guideline Required 50 MAC 2000 MAC / ≤ 1000 AO ≤ 300 AO	ND ND 1.25 ND ND ND ND 3.44 ND ND 11.85	10 10 10 10 10 10 10 10 10 10 10 10 10	ND ND - 0.14 ND-2.6 ND ND ND ND ND 2.93-3.95 ND ND ND S1.6-92.7 52-902
Antimony Arsenic Barium Beryllium Bismuth Boron Cadmium Calcium Chromium Cobalt Copper Iron Lead	ug/L as Sb ug/L as As ug/L as Ba ug/L as Be ug/L as Bi ug/L as Cd mg/L as Cd ug/L as Co ug/L as Co ug/L as Co ug/L as Co ug/L as Fe ug/L as Fe	ND ND 2 ND ND ND ND ND 3.275 ND ND 8.1 102.65	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	ND ND 1.3 ND ND ND ND 2.98 ND ND ND ND 2.98 ND ND 0.25 81.7	44.1 ND ND 2.3 ND ND ND ND ND ND 3.89 ND 0.23 573 0.4	2900 MAC / 100 OG 6 MAC 10 MAC 1000 MAC 5000 MAC 5 MAC No Guideline Required 50 MAC	ND ND 1.25 ND ND ND ND ND 3.44 ND ND 11.85 119 0.48	10 10 10 10 10 10 10 10 10 10 10 10 10	ND ND - 0.14 ND-2.6 ND ND ND ND ND 2.93-3.95 ND ND 5.16-92.7 52-902 0.38-0.99
Antimony Arsenic Barium Beryllium Bismuth Boron Cadmium Calcium Chromium Cobalt Copper Iron Lead Lithium	ug/L as Sb ug/L as As ug/L as Ba ug/L as Be ug/L as Bi ug/L as Cd mg/L as Cd ug/L as Co	ND ND 2 ND	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	ND ND 1.3 ND ND ND ND 2.98 ND ND ND ND 3.75 81.7 0.2 ND	44.1 ND 2.3 ND ND ND ND ND ND ND 3.89 ND 0.23 13.1 573 0.4 ND	2900 MAC / 100 OG 6 MAC 10 MAC 1000 MAC 5000 MAC 5 MAC No Guideline Required 50 MAC 2000 MAC / ≤ 1000 AO ≤ 300 AO 5 MAC	ND ND 1.25 ND ND ND ND 3.44 ND 11.85 119 0.48 3.5	10 10 10 10 10 10 10 10 10 10 10 10 10 1	ND ND - 0.14 ND - 2.6 ND ND ND ND ND 2.93-3.95 ND ND 5.16-92.7 52-902 0.38-0.99
Antimony Arsenic Barium Beryllium Bismuth Boron Cadmium Calcium Chromium Cobalt Copper Iron Lead Lithium Magnesium	ug/L as Sb ug/L as As ug/L as Ba ug/L as Be ug/L as Bi ug/L as Cd mg/L as Ca ug/L as Ca ug/L as Co ug/L as Co ug/L as Co ug/L as Co ug/L as Fe ug/L as Ch	ND ND 2 ND ND ND ND 3.275 ND ND 8.1 102.65 0.345 ND	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	ND ND 1.3 ND ND ND ND ND 3.75 81.7 0.2 ND	44.1 ND 2.3 ND ND ND ND ND ND ND 0.23 13.1 573 0.4 ND	2900 MAC / 100 OG 6 MAC 10 MAC 10 MAC 1000 MAC 5000 MAC 5 MAC No Guideline Required 50 MAC 2000 MAC / ≤ 1000 AO ≤ 300 AO 5 MAC	ND ND 1.25 ND ND ND ND 3.44 ND ND 11.85 1119 0.48 3.5 1.8	10 10 10 10 10 10 10 10 10 10 10 10 10 1	ND ND - 0.14 ND - 2.6 ND ND ND ND ND ND S.16-92.7 52-902 0.38-0.99 ND
Antimony Arsenic Barium Beryllium Bismuth Boron Cadmium Calcium Chromium Cobalt Copper Iron Lead Lithium Magnesium Marganese	ug/L as Sb ug/L as As ug/L as Ba ug/L as Bi ug/L as Bi ug/L as Cd mg/L as Ca ug/L as Co ug/L as Mg ug/L as Mg ug/L as Mg	ND ND 2 ND	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	ND ND 1.3 ND	44.1 ND 2.3 ND ND ND ND ND ND 3.89 ND 0.2 13.1 573 0.4 ND	2900 MAC / 100 OG 6 MAC 10 MAC 1000 MAC 5000 MAC 5 MAC No Guideline Required 50 MAC 2000 MAC / ≤ 1000 AO ≤ 300 AO 5 MAC	ND ND 1.25 ND ND ND ND 3.44 ND ND 11.85 119 0.48 3.5 1.8 36.25	10 10 10 10 10 10 10 10 10 10 10 10 10 1	ND ND - 0.14 ND - 2.6 ND ND ND ND 2.93-3.95 ND ND 5.16-92.7 52-902 0.38-0.99 ND 1.6-2.07 11.9-364
Antimony Arsenic Barium Beryllium Bismuth Boron Cadmium Calcium Chromium Cobalt Copper Iron Lead Lithium Magnesium Manganese Mercury	ug/L as Sb ug/L as As ug/L as Ba ug/L as Be ug/L as Bi ug/L as Cd mg/L as Ca ug/L as Ca ug/L as Co ug/L as Co ug/L as Co ug/L as Co ug/L as Fe ug/L as Ch	ND ND 2 ND ND ND ND 3.275 ND ND 8.1 102.65 0.345 ND	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	ND ND 1.3 ND ND ND ND ND 3.75 81.7 0.2 ND	44.1 ND 2.3 ND ND ND ND ND ND ND 0.23 13.1 573 0.4 ND	2900 MAC / 100 OG 6 MAC 10 MAC 10 MAC 1000 MAC 5000 MAC 5 MAC No Guideline Required 50 MAC 2000 MAC / ≤ 1000 AO ≤ 300 AO 5 MAC	ND ND 1.25 ND ND ND ND 3.44 ND ND 11.85 1119 0.48 3.5 1.8	10 10 10 10 10 10 10 10 10 10 10 10 10 1	ND ND - 0.14 ND - 2.6 ND ND ND ND ND ND S.16-92.7 52-902 0.38-0.99 ND
Antimony Arsenic Barium Beryllium Bismuth Boron Cadmium Calcium Chromium Cobalt Copper Iron Lead Lithium Magnesium Marganese	ug/L as Sb ug/L as As ug/L as Ba ug/L as Bi ug/L as Bi ug/L as Cd mg/L as Ca ug/L as Co ug/L as Mg ug/L as Mg ug/L as Mg	ND ND 2 ND	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	ND ND 1.3 ND	44.1 ND 2.3 ND ND ND ND ND ND 3.89 ND 0.2 13.1 573 0.4 ND	2900 MAC / 100 OG 6 MAC 10 MAC 10 MAC 1000 MAC 5000 MAC 5 MAC No Guideline Required 50 MAC 2000 MAC / ≤ 1000 AO ≤ 300 AO 5 MAC	ND ND 1.25 ND ND ND ND 3.44 ND ND 11.85 119 0.48 3.5 1.8 36.25	10 10 10 10 10 10 10 10 10 10 10 10 10 1	ND ND - 0.14 ND-2.6 ND ND ND ND ND ND S16-92.7 52-902 0.38-0.99 ND 1.6-2.07 11.9-364
Antimony Arsenic Barium Beryllium Bismuth Boron Cadmium Calcium Chromium Cobalt Copper Iron Lead Lithium Magnesium Manganese Mercury	ug/L as Sb ug/L as As ug/L as Ba ug/L as Be ug/L as Bi ug/L as Bi ug/L as Ca mg/L as Ca ug/L as Ca ug/L as Co ug/L as Co ug/L as Co ug/L as Co ug/L as Fe ug/L as Pb ug/L as Mg	ND ND 2 ND	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	ND ND 1.3 ND ND ND ND ND ND 1.63 17.6 ND	44.1 ND ND 2.3 ND ND ND ND ND ND 0.23 13.1 573 0.4 ND 1.84 136 0.0032	2900 MAC / 100 OG 6 MAC 10 MAC 10 MAC 1000 MAC 5000 MAC 5 MAC No Guideline Required 50 MAC 2000 MAC / ≤ 1000 AO ≤ 300 AO 5 MAC	ND ND 1.25 ND ND ND ND ND 1.85 119 0.48 3.5 ND	10 10 10 10 10 10 10 10 10 10 10 10 10 1	ND ND - 0.14 ND-2.6 ND N
Antimony Arsenic Barium Beryllium Bismuth Boron Cadmium Calcium Chromium Cobalt Copper Iron Lead Lithium Magnesium Manganese Mercury Molybdenum	ug/L as Sb ug/L as As ug/L as Ba ug/L as Be ug/L as Bi ug/L as Cd mg/L as Cd mg/L as Co ug/L as Mg ug/L as Mg ug/L as Mg ug/L as Mn ug/L as Mo	ND ND 2 ND	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	ND ND 1.3 ND	44.1 ND ND 2.3 ND ND ND ND ND 3.89 ND 0.23 13.1 573 0.4 ND 1.84 136 0.0032 MD	2900 MAC / 100 OG 6 MAC 10 MAC 1000 MAC 5000 MAC 5 MAC No Guideline Required 50 MAC 2000 MAC / ≤ 1000 AO ≤ 300 AO 5 MAC No Guideline Required 2000 MAC / ≤ 20 AO	ND ND 1.25 ND ND ND ND 3.44 ND ND 11.85 119 0.48 3.5 1.8 36.25 ND	10 10 10 10 10 10 10 10 10 10 10 10 10 1	ND ND - 0.14 ND - 0.14 ND - 2.6 ND ND ND ND ND ND S-16-92.7 52-902 0.38-0.99 ND 1.6-2.07 11.9-364 ND ND
Antimony Arsenic Barium Beryllium Bismuth Boron Cadmium Calcium Chromium Cobalt Copper Iron Lead Lithium Magnesium Manganese Mercury Molybdenum Nickel	ug/L as Sb ug/L as As ug/L as Ba ug/L as Be ug/L as Bi ug/L as Bi ug/L as Ca mg/L as Ca ug/L as Ca ug/L as Co ug/L as Co ug/L as Co ug/L as Co ug/L as Fe ug/L as Pb ug/L as Mg	ND N	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	ND ND 1.3 ND ND ND ND ND ND 1.63 17.6 ND	44.1 ND ND 2.3 ND ND ND ND ND 13.89 ND 0.23 13.1 573 0.4 ND 1.84 136 0.0032 MD ND ND ND ND ND ND ND ND ND N	2900 MAC / 100 OG 6 MAC 10 MAC 10 MAC 1000 MAC 5000 MAC 5 MAC No Guideline Required 50 MAC 2000 MAC / ≤ 1000 AO ≤ 300 AO 5 MAC	ND ND 1.25 ND ND ND ND ND 1.85 119 0.48 3.5 ND	10 10 10 10 10 10 10 10 10 10 10 10 10 1	ND ND - 0.14 ND - 0.14 ND - 2.6 ND ND ND ND ND ND S16-92.7 52-902 0.38-0.99 ND 1.6-2.07 11.9-364 ND ND ND ND
Antimony Arsenic Barium Beryllium Bismuth Boron Cadmium Calcium Chromium Cobalt Copper Iron Lead Lithium Magnesium Manganese Mercury Molybdenum Nickel Potassium	ug/L as Sb ug/L as As ug/L as Ba ug/L as Bi ug/L as Bi ug/L as Bi ug/L as Cd mg/L as Ca ug/L as Co ug/L as Co ug/L as Co ug/L as Co ug/L as Fe ug/L as Fe ug/L as Mg ug/L as Mn ug/L as Mo ug/L as Mo ug/L as Mo	ND ND 2 ND	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	ND ND 1.3 ND	44.1 ND 2.3 ND ND ND ND ND ND ND 13.89 ND 0.2 13.1 573 0.4 ND 1.84 136 0.0032 MD 0.0388	2900 MAC / 100 OG 6 MAC 10 MAC 1000 MAC 5000 MAC 5 MAC No Guideline Required 50 MAC 2000 MAC / ≤ 1000 AO ≤ 300 AO 5 MAC No Guideline Required 2000 MAC / ≤ 20 AO	ND ND 1.25 ND	10 10 10 10 10 10 10 10 10 10 10 10 10 1	ND ND - 0.14 ND - 0.14 ND - 2.6 ND ND ND ND ND ND S.93 - 3.95 ND ND ND S.16-92.7 52-902 0.38-0.99 ND 1.6-2.07 11.9-364 ND
Antimony Arsenic Barium Beryllium Bismuth Boron Cadmium Calcium Chromium Cobalt Copper Iron Lead Lithium Magnesium Manganese Mercury Molybdenum Nickel Potassium Selenium Silicon Siliver	ug/L as Sb ug/L as As ug/L as Ba ug/L as Bi ug/L as Bi ug/L as Cd mg/L as Ca ug/L as Co ug/L as Co ug/L as Co ug/L as Co ug/L as Fe ug/L as Fe ug/L as Ho ug/L as Mg	ND N	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	ND N	44.1 ND ND 2.3 ND ND ND ND ND ND 0.23 13.1 573 0.4 ND 1.84 136 0.0032 MD ND	2900 MAC / 100 OG 6 MAC 10 MAC 1000 MAC 5000 MAC 5 MAC No Guideline Required 50 MAC 2000 MAC / ≤ 1000 AO ≤ 300 AO 5 MAC No Guideline Required 2000 MAC / ≤ 20 AO	ND ND 11.25 ND ND ND ND ND ND 11.85 119 0.48 3.5 1.8 36.25 ND	10 10 10 10 10 10 10 10 10 10 10 10 10 1	ND ND - 0.14 ND - 0.14 ND - 2.6 ND ND ND ND ND ND S1-6-92.7 52-902 0.38-0.99 ND 1.6-2.07 11.9-364 ND
Antimony Arsenic Barium Beryllium Bismuth Boron Cadmium Calcium Chromium Cobalt Copper Iron Lead Lithium Magnesium Manganese Mercury Molybdenum Nickel Potassium Selenium Selenium	ug/L as Sb ug/L as As ug/L as Ba ug/L as Ba ug/L as Bi ug/L as Bi ug/L as Cd mg/L as Cd mg/L as Ca ug/L as Co ug/L as Co ug/L as Co ug/L as Co ug/L as Fe ug/L as Mg ug/L as Mg ug/L as Mn ug/L as Ms	ND 102.65 0.345 ND 1.72 20.2 ND	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	ND ND 1.3 ND	44.1 ND ND 2.3 ND ND ND ND ND 3.89 13.1 573 0.4 ND 1.84 136 0.0032 MD ND ND	2900 MAC / 100 OG 6 MAC 10 MAC 10 MAC 1000 MAC 5000 MAC 5 MAC No Guideline Required 50 MAC 2000 MAC / ≤ 1000 AO ≤ 300 AO 5 MAC No Guideline Required 120 MAC / ≤ 20 AO	ND ND 1.25 ND ND ND ND ND ND 1.85 1.8 36.25 ND	10 10 10 10 10 10 10 10 10 10 10 10 10 1	ND ND - 0.14 ND - 0.14 ND - 2.6 ND ND ND ND ND ND S16-92.7 52-902 0.38-0.99 ND 1.6-2.07 11.9-364 ND
Antimony Arsenic Barium Beryllium Bismuth Boron Cadmium Calcium Chromium Cobalt Copper Iron Lead Lithium Magnesium Manganese Mercury Molybdenum Nickel Potassium Selenium Silicon Siliver	ug/L as Sb ug/L as As ug/L as Ba ug/L as Be ug/L as Bi ug/L as B ug/L as Ca mg/L as Ca ug/L as Ca ug/L as Co ug/L as Co ug/L as Co ug/L as Co ug/L as Fe ug/L as Fe ug/L as Mo ug/L as Mn ug/L as Mn ug/L as Mi mg/L as Ki mg/L as Ki ug/L as Ks ug/L as Se mg/L as Se	ND ND 2 ND	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	ND ND 13 ND	44.1 ND ND 2.3 ND ND ND ND ND ND 13.89 ND 0.23 13.1 573 0.4 ND 1.84 136 0.0032 MD ND ND 1.84 136 ND ND ND ND ND ND ND ND ND ND	2900 MAC / 100 OG 6 MAC 10 MAC 10 MAC 1000 MAC 5000 MAC 5 MAC No Guideline Required 50 MAC 2000 MAC / ≤ 1000 AO ≤ 300 AO 5 MAC No Guideline Required 120 MAC / ≤ 20 AO	ND ND 1.25 ND	10 10 10 10 10 10 10 10 10 10 10 10 10 1	ND ND-0.14 ND-2.6 ND
Antimony Arsenic Barium Beryllium Bismuth Boron Cadmium Calcium Chromium Cobalt Copper Iron Lead Lithium Magnesium Manganese Mercury Molybdenum Nickel Potassium Selenium Silicon Silver Sodium	ug/L as Sb ug/L as As ug/L as Ba ug/L as Bi ug/L as Bi ug/L as Bi ug/L as Cd mg/L as Ca ug/L as Co ug/L as Co ug/L as Co ug/L as Co ug/L as Fe ug/L as Fe ug/L as Fb ug/L as Mg ug/L as Mn ug/L as Mo ug/L as Ki mg/L as Ki ug/L as Se mg/L as Se mg/L as Ag ug/L as Ki ug/L as Si ug/L as Ag mg/L as Ag	NID	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	ND ND 1.3 ND	44.1 ND ND 2.3 ND ND ND ND ND ND 0.23 13.1 573 0.4 ND 1.84 136 0.0032 MD 0.388 ND ND 1.02 ND ND 1.03 ND ND ND ND ND ND ND ND ND ND	2900 MAC / 100 OG 6 MAC 10 MAC 10 MAC 1000 MAC 5000 MAC 5 MAC No Guideline Required 50 MAC 2000 MAC / ≤ 1000 AO ≤ 300 AO 5 MAC No Guideline Required 120 MAC / ≤ 20 AO	ND ND 1.25 ND	10 10 10 10 10 10 10 10 10 10 10 10 10 1	ND ND - 0.14 ND - 0.14 ND - 0.14 ND - 0.16 ND ND ND ND ND S16-92.7 52-902 0.38-0.99 ND 1.6-2.07 11.9-364 ND
Antimony Arsenic Barium Beryllium Bismuth Boron Cadmium Calcium Chromium Cobalt Copper Iron Lead Lithium Magnesium Manganese Mercury Molybdenum Nickel Potassium Selenium Silicon Silver Sodium Strontium	ug/L as Sb ug/L as As ug/L as Ba ug/L as Bi ug/L as Bi ug/L as Bi ug/L as Cd mg/L as Ca ug/L as Co ug/L as Co ug/L as Co ug/L as Fe ug/L as Fe ug/L as Fe ug/L as Hg ug/L as Mg	ND N	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	ND N	44.1 ND ND 2.3 ND ND ND ND ND ND 0.23 13.1 573 0.4 ND 1.84 136 0.0032 MD ND ND 1.84 1.84 1.84 1.84 1.84 1.84 1.84 1.84	2900 MAC / 100 OG 6 MAC 10 MAC 10 MAC 1000 MAC 5000 MAC 5 MAC No Guideline Required 50 MAC 2000 MAC / ≤ 1000 AO ≤ 300 AO 5 MAC No Guideline Required 120 MAC / ≤ 20 AO	ND ND 1.25 ND	10 10 10 10 10 10 10 10 10 10 10 10 10 1	ND ND - 0.14 ND - 0.14 ND - 0.14 ND - 0.16 ND ND ND ND ND S1-0-2-7 52-902 0.38-0.99 ND 1.6-2.07 11.9-364 ND
Antimony Arsenic Barium Beryllium Bismuth Boron Cadmium Calcium Chromium Cobalt Copper Iron Lead Lithium Magnesium Manganese Mercury Molybdenum Nickel Potassium Selenium Silicon Silver Sodium Strontium Sulfur	ug/L as Sb ug/L as As ug/L as Ba ug/L as Ba ug/L as Bi ug/L as Bi ug/L as Cd mg/L as Cd mg/L as Ca ug/L as Co ug/L as Co ug/L as Co ug/L as Co ug/L as Fe ug/L as Fb ug/L as Li mg/L as Mg ug/L as Mn ug/L as Mi mg/L as Ms ug/L as Ni mg/L as K ug/L as Si ug/L as Se mg/L as Si ug/L as Si	ND N	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	ND ND 13 ND	44.1 ND 12.3 ND ND ND ND ND ND 13.89 ND 13.11 573 0.4 ND 1.84 136 0.0032 MD ND ND ND 1.84 1.86 ND ND ND ND 1.87 ND ND ND ND ND ND ND ND ND ND	2900 MAC / 100 OG 6 MAC 10 MAC 10 MAC 1000 MAC 5000 MAC 5 MAC No Guideline Required 50 MAC 2000 MAC / ≤ 1000 AO ≤ 300 AO 5 MAC No Guideline Required 120 MAC / ≤ 20 AO	ND ND 1.25 ND	10 10 10 10 10 10 10 10 10 10 10 10 10 1	ND ND - 0.14 ND - 0.14 ND - 0.14 ND - 2.6 ND 1.6-92.7 52-902 0.38-0.99 ND 1.6-2.07 11.9-364 ND
Antimony Arsenic Barium Beryllium Bismuth Boron Cadmium Calcium Chromium Cobalt Copper Iron Lead Lithium Magnesium Manganese Mercury Molybdenum Nickel Potassium Selenium Silicon Silver Sodium Strontium Sulfur Thallium	ug/L as Sb ug/L as As ug/L as Ba ug/L as Bi ug/L as Bi ug/L as Bi ug/L as Cd mg/L as Ca ug/L as Co ug/L as Co ug/L as Co ug/L as Co ug/L as Fe ug/L as Fe ug/L as Fi ug/L as Mo ug/L as Mo ug/L as Mo ug/L as Ni mg/L as Mo ug/L as Ni mg/L as Se mg/L as Se mg/L as Si ug/L as Si	NID	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	ND N	44.1 ND ND 2.3 ND ND ND ND ND ND ND ND ND 13.89 ND 13.1 573 0.4 ND 1.84 136 0.0032 MD ND	2900 MAC / 100 OG 6 MAC 10 MAC 10 MAC 1000 MAC 5000 MAC 5 MAC No Guideline Required 50 MAC 2000 MAC / ≤ 1000 AO ≤ 300 AO 5 MAC No Guideline Required 120 MAC / ≤ 20 AO	ND ND 1.25 ND	10 10 10 10 10 10 10 10 10 10 10 10 10 1	ND ND - 0.14 ND - 0.14 ND - 0.14 ND - 0.16 ND ND ND ND ND S1692.7 52-902 0.38-0.99 ND 1.6-2.07 11.9-364 ND
Antimony Arsenic Barium Beryllium Bismuth Boron Cadmium Calcium Chromium Cobalt Copper Iron Lead Lithium Magnesium Manganese Mercury Molybdenum Nickel Potassium Selenium Silicon Silver Sodium Strontium Sulfur Thallium Tin	ug/L as Sb ug/L as As ug/L as Ba ug/L as Ba ug/L as Ba ug/L as Bi ug/L as Cd mg/L as Cd mg/L as Cc ug/L as Co ug/L as Fe ug/L as Mg ug/L as Mg ug/L as Mn ug/L as Ms ug/L as Ni mg/L as Si ug/L as Si	NID	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	ND N	44.1 ND ND 2.3 ND 13.89 ND 0.23 13.1 573 0.4 ND 1.84 ND 1.84 ND	2900 MAC / 100 OG 6 MAC 10 MAC 10 MAC 1000 MAC 5000 MAC 5 MAC No Guideline Required 50 MAC 2000 MAC / ≤ 1000 AO ≤ 300 AO 5 MAC No Guideline Required 120 MAC / ≤ 20 AO 50 MAC No Guideline Required 120 MAC / ≤ 20 AO	ND ND 11.25 ND ND ND ND 12.85 ND	10 10 10 10 10 10 10 10 10 10 10 10 10 1	ND ND - 0.14 ND - 0.14 ND - 0.14 ND - 0.16 ND ND ND ND ND S16-92.7 52-902 0.38-0.99 ND 1.6-2.07 11.9-364 ND
Antimony Arsenic Barium Beryllium Bismuth Boron Cadmium Calcium Chromium Cobalt Copper Iron Lead Lithium Magnesium Manganese Mercury Molybdenum Nickel Potassium Selenium Silicon Silver Sodium Suffur Thallium Tin Titanium	ug/L as Sb ug/L as As ug/L as Ba ug/L as Ba ug/L as Bi ug/L as Bi ug/L as Ca ug/L as Ca ug/L as Ca ug/L as Ca ug/L as Co ug/L as Fe ug/L as Fe ug/L as Hg ug/L as Mn ug/L as Mn ug/L as Ni mg/L as Ni mg/L as Si ug/L as Sa ug/L as Si ug/L as Sa ug/L as Si	NID	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	ND N	44.1 ND ND 2.3 ND ND ND ND ND ND 13.89 ND 13.1 573 0.4 ND 1.84 136 0.0032 MD ND	2900 MAC / 100 OG 6 MAC 10 MAC 10 MAC 1000 MAC 5000 MAC 5 MAC No Guideline Required 50 MAC 2000 MAC / ≤ 1000 AO ≤ 300 AO 5 MAC No Guideline Required 120 MAC / ≤ 20 AO	ND ND 1.25 ND	10 10 10 10 10 10 10 10 10 10 10 10 10 1	ND ND - 0.14 ND - 0.14 ND - 0.14 ND - 0.16 ND ND ND ND ND ND S.16-92.7 52-902 0.38-0.99 ND 1.6-2.07 11.9-364 ND
Antimony Arsenic Barium Beryllium Bismuth Boron Cadmium Calcium Chromium Cobalt Copper Iron Lead Lithium Magnesium Manganese Mercury Molybdenum Nickel Potassium Selenium Silicon Silver Sodium Strontium Sulfur Thallium Tin	ug/L as Sb ug/L as As ug/L as Ba ug/L as Ba ug/L as Ba ug/L as Bi ug/L as Cd mg/L as Cd mg/L as Cc ug/L as Co ug/L as Fe ug/L as Mg ug/L as Mg ug/L as Mn ug/L as Ms ug/L as Ni mg/L as Si ug/L as Si	NID	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	ND N	44.1 ND ND 2.3 ND 13.89 ND 0.23 13.1 573 0.4 ND 1.84 ND 1.84 ND	2900 MAC / 100 OG 6 MAC 10 MAC 10 MAC 1000 MAC 5000 MAC 5 MAC No Guideline Required 50 MAC 2000 MAC / ≤ 1000 AO ≤ 300 AO 5 MAC No Guideline Required 120 MAC / ≤ 20 AO 50 MAC No Guideline Required 120 MAC / ≤ 20 AO	ND ND 11.25 ND ND ND ND 12.85 ND	10 10 10 10 10 10 10 10 10 10 10 10 10 1	ND ND - 0.14 ND - 0.14 ND - 0.14 ND - 0.14 ND - 0.16 ND 1.6-92.7 52-902 0.38-0.99 ND

CAPITAL REGIONAL DISTRICT

WILDERNESS MOUNTAIN WATER Statement of Operations (Unaudited) For the Year Ended December 31, 2021

	2021	2020
Revenue		
Transfers from government	59,520	63,859
User Charges	70,239	65,659
Water Sales	17,760	17,520
Fees and Charges	256	200
Other revenue from own sources:		
Interest earnings	60	33
Other revenue	61	72
Grant revenue	-	3,255
Total Revenue	147,896	150,598
Expenses		
General government services	5,607	5,487
Contract for services	2,436	3,575
CRD Labour and Operating costs	68,625	71,532
Debt Servicing Costs	23,648	23,659
Other expenses	40,630	36,133
Total Expenses	140,946	140,387
Net revenue (expenses)	6,950	10,211
Transfers to own funds:		
Capital Reserve Fund	-	_
Operating Reserve Fund	9,882	1,640
Annual surplus/(deficit)	(2,932)	8,571
Accumulated surplus/(deficit), beginning of year	2,932	(5,639)
Accumulated surplus/(deficit), end of year	\$ -	2,932

CAPITAL REGIONAL DISTRICT

WILDERNESS MOUNTAIN WATER Statement of Reserve Balances (Unaudited) For the Year Ended December 31, 2021

	Capital Reserve		
	2021	2020	
Beginning Balance	50,130	40,732	
Transfer from Operating Budget Transfers from Completed Capital Projects Transfer to Capital Projects Interest Income	- - (3,500) 722	8,620 - 778	
Ending Balance	47,351	50,130	

	Operating Reserve		
	2021	2020	
Beginning Balance	1,657	-	
Transfer from Operating Budget Transfer to Operating Budget	9,882	1,640 -	
Interest Income	73	17	
Ending Balance	11,613	1,657	