Port Renfrew Utility System

2021 Annual Report

CRD | Drinking Water, Wastewater, Street Lighting and Refuse

Introduction

This report provides a summary of the Port Renfrew Utility Services for the year 2021 and includes a description of services and a summary of the water, sewer, street lighting, and refuse disposal services in terms of operations, maintenance, capital upgrades, and finances for each service.

Port Renfrew Utility Services Committee

The Port Renfrew Utility Services Committee (PRUSC) has authority delegated by the Capital Regional District (CRD) Board for provision of water, sewer, street lighting and refuse disposal for the Port Renfrew community. Refuse disposal service is also provided to the Pacheedaht First Nation under a service delivery agreement. This Annual Report relates to the services provided under the authority of the PRUSC. Snuggery Cove Water Local Service (Debt Servicing) was created for the sole purpose of servicing debt relating to the expansion of the Port Renfrew water system to the Snuggery Cove area. The debt was paid off and the service budget was discontinued from 2021 onwards.

WATER SERVICE

Service Description

The community of Port Renfrew, located in the Juan de Fuca Electoral Area of the CRD, is comprised of rural residential and commercial and institutional development. The Port Renfrew water service was originally owned by a forestry company and was transferred to the CRD in 1989 to service the Beach Camp area. In 2002, the water service area was extended to include the Snuggery Cove area and again in 2016 to include the lands to the south of Beach Camp. The water service consists of approximately 250 parcels, encompassing a total area of approximately 98.3 hectares. Of the 223 parcels, 315.6 Single Family Equivalents (SFE) were customers to the water system in 2021.

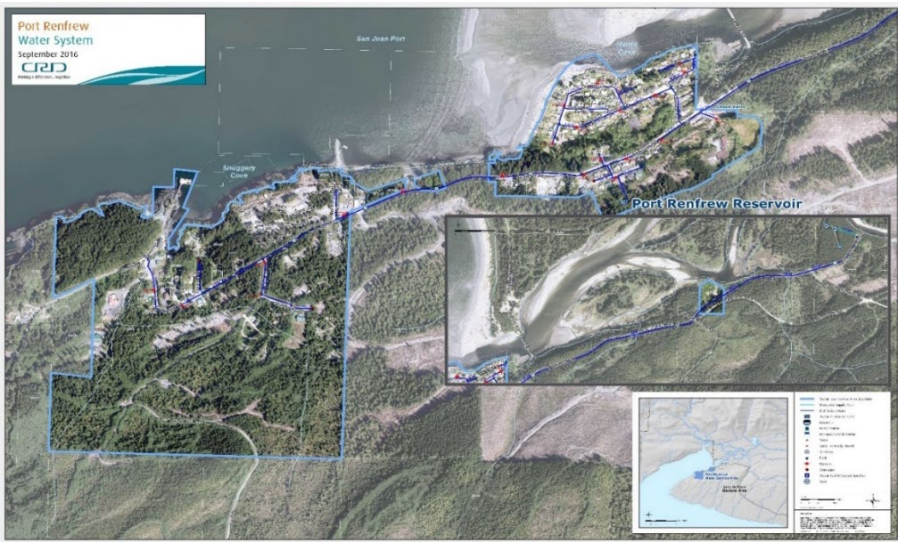

Figure 1: Map of the Water Service Area

The Port Renfrew water system is primarily comprised of:

- One groundwater well, related pumping and control equipment and building.
- Disinfection process equipment (chlorine) and an aeration tower/scrubber for hydrogen sulfide reduction to improve water taste and odour.
- Two steel storage tanks total combined volume is 888 cubic meters (or 235,000 US gallons).
- Distribution system: 4,400 metre network of 150 millimeters (mm) and 100 mm diameter asbestos cement (AC) water mains to the Beach Camp area and a 2,200 metres network of 150 mm and 100 mm polyvinyl chloride (PVC) water mains to the Snuggery Cove area.
- Other water system assets: 195 service connections, 25 hydrants and an auxiliary generator.

Water Supply

2021 data shows that the water level in the winter, when at its highest, was 24 metres above the well pump, and in the summer at its lowest point was 15 metres above the pump. The water has an average temperature of 8.8°C (Celsius) which is 0.4°C higher than 2020, with a minimum temperature of 8.2°C, and a maximum temperature of 9.3°C.

Water Production and Demand

Referring to Figure 2, 60,601 cubic meters of water was extracted (water production) from the well in 2021; a decrease of 7.5% over the previous year and 3% above the five year average. The monthly comparison of treated water volumes, produced for the years 2017 to 2021 inclusive, shows that there was a higher demand in August and September in 2021 than in the previous four years, before trending lower for the rest of the year.

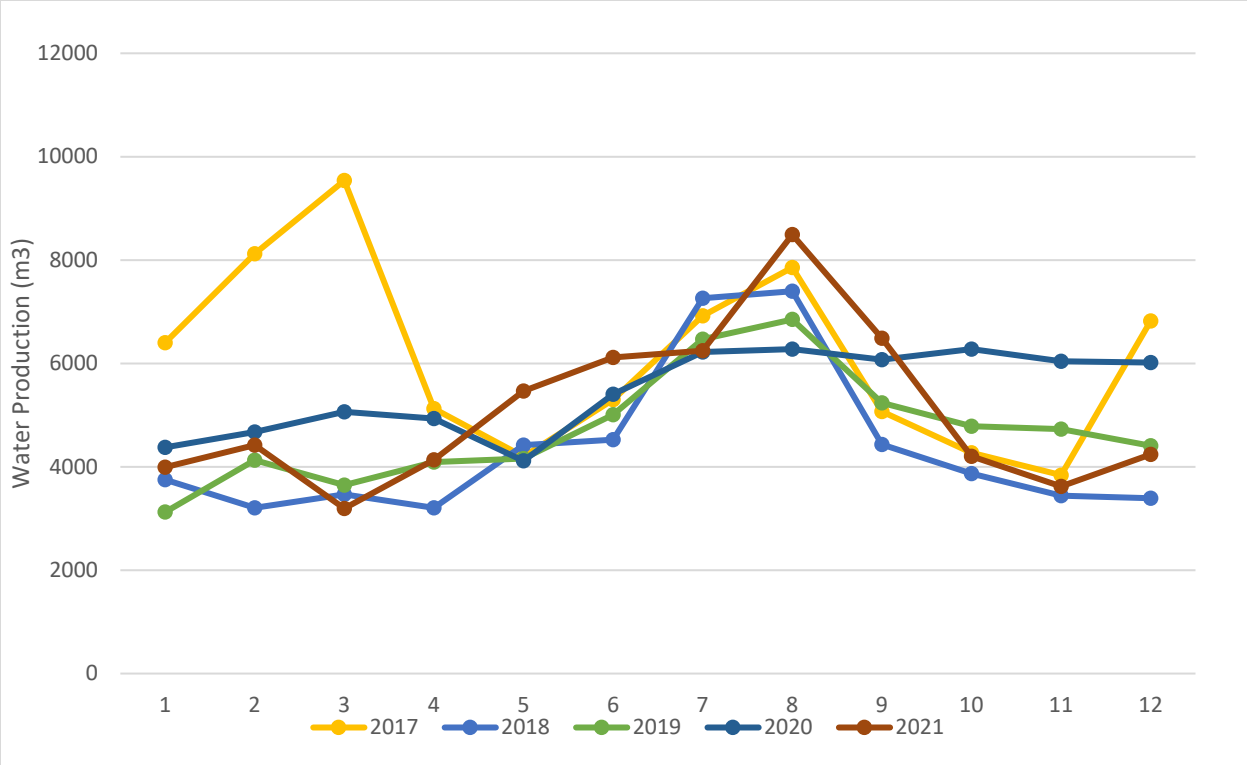

Figure 2: Water Service Monthly Water Production

Drinking Water Quality

The analytical results (biological, chemical and physical parameters) of water samples collected in 2021 from the Port Renfrew water system indicate that the drinking water was generally of good quality and within Guidelines for Canadian Drinking Water Quality (GCDWQ) health-related regulatory and aesthetic limits, including disinfection by-products. There were two boil water advisories (BWA) in 2021 to protect the public health. One BWA was put in place on May 19 due to an *E.coli* positive lab result on one of the treated water samples in the distribution system. CRD emergency response procedures were immediately activated. After extensive flushing and resampling/retesting, the BWA was safely rescinded on May 22. The investigations were unable to reveal a cause for this *E.coli* result. Another BWA was required to protect customers from potential water contamination following the extreme rainfall event on November 14 and 15 which triggered flooding and inundation of portions of the water system headworks. After clean-up work and water testing with favourable results, the BWA was rescinded on November 19.

While the treated water temperature did exceed the aesthetic limit of 15°C during the summer months, this had no other negative impact on the drinking water quality.

Typical Port Renfrew drinking water quality characteristics for 2021 are summarized as follows:

Raw Water

- Source water from the well was free of *E. coli* bacteria and only one sample had a very low concentration of total coliform bacteria.
- The well water was low in iron and manganese concentrations, slightly hard (mean hardness 41.4 mg/L) and had a neutral pH of 7.4.
    - The median raw water turbidity was below the detection limit of 0.14 Nephelometric Turbidity unit (NTU).

Treated Water

- The water delivered to the customers was safe to drink throughout the year except for the two short periods when the system was under a BWA (May 19 to 22, November 15 to 19). Only three samples out of 122 compliance samples in the distribution system tested positive for total coliform bacteria outside the two BWA periods. Resamples were negative and therefore confirmed that no actual water contamination was the cause of the initial positive test results. One sample on May 18 tested positive for *E. coli* bacteria and led to one BWA.
- The mean annual free chlorine concentration in the distribution system was an acceptable 0.41 mg/L.
- The average annual disinfection by-product total concentrations for trihalomethanes (TTHM) and haloacetic acids (HAA) were well below the GCDWQ limit.

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 also be reviewed on the CRD website:

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

Water Service Operational Highlights

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

- Broken water meter at the fish plant.
- Water treatment plant clear well pressure transducer failure.
- Water treatment plant clear well flooded during storm event on November 15.
- Water valve riser installs to accommodate road work on Parkinson.

Water Service Capital Projects Update

The Capital Projects that were completed in 2021 include:

- Final completion of second water reservoir.

SEWER SERVICE

Service Description

The Port Renfrew sewer system serves 88 properties in the Beach Camp and localized residential area below and has continued to operate reliably in the past year, although the wastewater treatment plant (WWTP) occasionally had difficulty processing peak flow events. The treatment process consists of an extended aeration facility and a steel outfall which discharges treated effluent to the San Juan River estuary under a Ministry of Environment permit. The 88 properties are comprised of 97.77 Single Family Equivalents (SFE's).

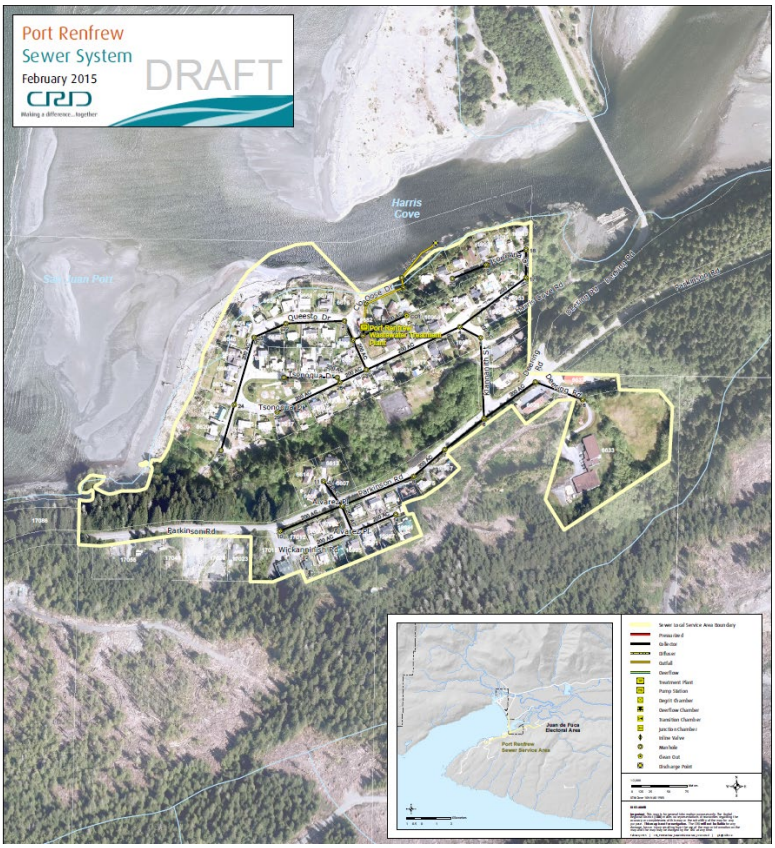

Figure 3: Map of the Sewer Service Area

A sewage volume of 21,521 cubic meters was treated and discharged in 2021 which equates to an average of 220 cubic meters/SFE. Sewage flows in Port Renfrew went up by 5% from 2020 which can be influenced by annual rainfall and tourist numbers. During the rainy season, inflow and infiltration water enters the sewer system through cracks and defects in the pipes and manholes that were installed in the 1960's.

Figure 4 shows Port Renfrew sewer flow trends over the last nine years.

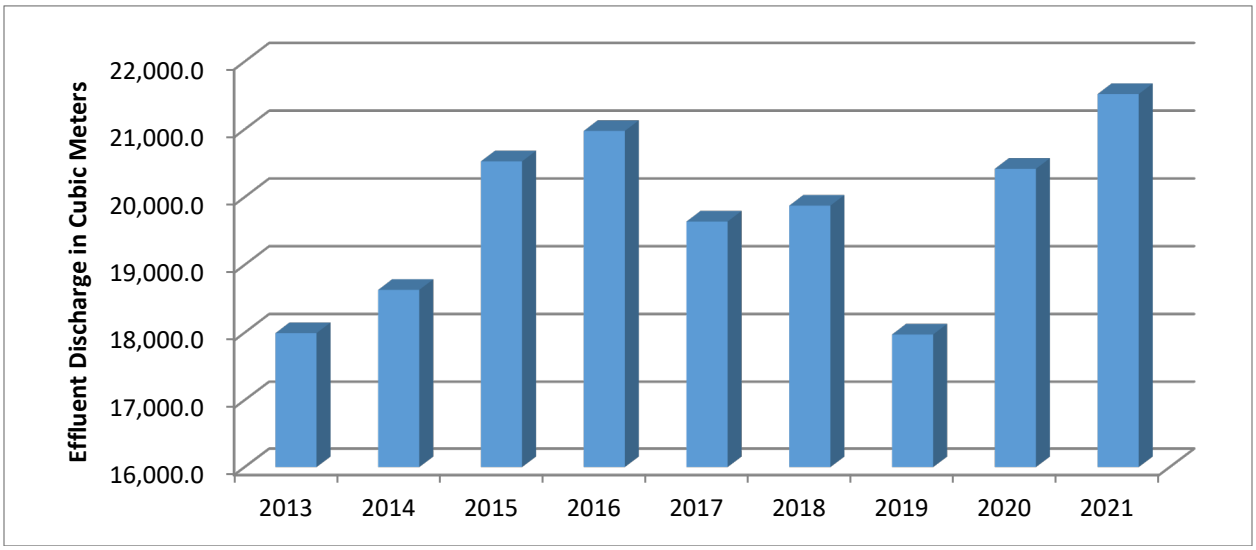

Figure 4: Port Renfrew Sewer Flow Trends

Treated Effluent Discharge Quality

Regulatory Compliance – Wastewater

Flow and effluent quality are assessed for compliance with the provincial discharge permit on a daily and monthly basis, respectively. Mean daily flows in 2021 were similar to flow rates recorded since 2007; flow exceeded the permitted daily maximum four times in October and November, 2021, due to heavy rains. There were two total suspended solids (TSS) exceedances of the permitted effluent quality limits.

Receiving Water

Routine receiving water monitoring was required at the Port Renfrew WWTP in 2020, but did not take place as planned. This monitoring is required every four years unless there are planned bypasses, plant failures/overflows, or wet weather overflows that exceed three days duration in the winter or one day duration in the summer. Sampling was conducted as shoreline marine monitoring in summer 2021. All results were below regulatory guidelines meaning that risk to human health was low.

Sewer Service Operational Highlights

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

- Emergency back-up generator block heater replacement.
- Emergency repairs for blocked sewer on Alvarez Place.
- Treatment plant computer replacement.
- Blocked sewer investigation which was determined to be on the private property side and not in the collection system.

Sewer Service Capital Projects Update

A structural assessment and upgrades were completed to the wet well, catwalks, and other items. A draft Options Analysis was prepared for future phased upgrades that will be required on the wastewater system, but it has not been finalized pending the outcome of future growth and planning in the area.

In future years it is expected that funds will need to be borrowed to replace parts of the aging sewer system and to increase the capacity of the treatment plant, to accommodate the increasing wastewater flows.

The WWTP Roof Replacement project has been delayed due to Covid-19 and the difficulty of finding a contractor to do this work.

Street Lighting Service

Street lighting service is provided in the area of Port Renfrew known as Beach Camp. The street lights are operated and maintained by BC Hydro, and costs are recovered through a parcel tax and user charge on parcels in the area where the service is provided. There were no significant issues with this service in 2021.

Refuse Disposal Service

The Port Renfrew Refuse Disposal service serves 332 properties (289 residential folios) within the service area and is funded through direct tax requisition based on the value of each property.

The Pacheedaht First Nation also utilizes the facility through a fee-for-service agreement. The tonnages of materials received and transferred at the Port Renfrew facility in 2021 are as follows:

Garbage		244 tonnes (21% increase from 2020)
Recyclables	Paper fibres	23 tonnes (21% increase from 2020)
	Glass/metal/plastic containers	4 tonnes (20% decrease from 2020)
	Polystyrene	0.3 tonnes (50% increase from 2020)
	Scrap metal	37 tonnes (no change from 2020)
	Kitchen scraps	12 tonnes (20% decrease from 2020)
	Total recyclables	**76 tonnes (no change from 2020)**

Financial Report

Please refer to the attached 2021 Statement of Operations and Reserve Balances for Port Renfrew Street Lighting, Water, Snuggery Cove Water, Sewer and Refuse Disposal services.

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

Expenses include all costs for providing the services. 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 cost 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 services, for example, insurance, supplies, water testing and electricity etc.

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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Concurrence	Ted Robbins, B.Sc., C.Tech., General Manager, Integrated Water Services

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 Results, Port Renfrew Water System									
PARAMETER		**2021 ANALYTICAL RESULTS**				**CANADIAN GUIDELINES**	**2011 - 2020 RESULTS**		
Parameter Name	Units of Measure	Annual Median	Samples Analyzed	Range Minimum	Range Maximum	≤ = Less than or equal to	Median	Samples Analyzed	Range Minimum-Maximum
ND means Not Detected by analytical method used									
Physical Parameters/Non-Metallic Inorganics									
Carbon, Total Organic	mg/L	**3.3**	4	0.46	43.0		1.2	19	ND - 26.0
Hardness as CaCO3	mg/L	**41.4**	4	38.8	47.8	No Guideline Required	40.1	24	7.71 - 47.3
pH	pH units	**7.4**	14	7.0	7.7	6.5 - 8.5 AO	8.20	30	6.6 - 8.5
Turbidity	NTU	**ND**	11	ND	ND		0.14	26	ND - 0.73
Water Temperature	°C	**8.2**	17	7.9	9.4	>15 AO	9	92	5.0 - 12.1
Microbial Parameters									
Indicator Bacteria and Turbidity									
Coliform, Total	CFU/100 mL	**ND**	17	ND	1		ND	114	ND - 2
E. coli	CFU/100 mL	**ND**	17	ND	ND		ND	114	ND
Metals									
Aluminum	ug/L as Al	**6.75**	4	6.2	7.6	2900 MAC / 100 OG	7.8	24	6.0 - 123
Antimony	ug/L as Sb	**ND**	4	ND	ND	6 MAC	ND	24	ND - 1.30
Arsenic	ug/L as As	**0.13**	4	0.12	0.16	10 MAC	ND	24	ND - 0.14
Barium	ug/L as Ba	**1.1**	4	ND	1.3	1000 MAC	1.20	24	ND - 1.40
Beryllium	ug/L as Be	**ND**	4	ND	ND		ND	24	ND
Bismuth	ug/L as Bi	**ND**	4	ND	ND		ND	18	ND
Boron	ug/L as B	**113.5**	4	102	120	5000 MAC	106	24	ND - 943
Cadmium	ug/L as Cd	**ND**	4	ND	ND	5 MAC	ND	24	ND - 0.19
Calcium	mg/L as Ca	**7.22**	4	6.89	8.39	No Guideline Required	7.1	24	2.63 - 8.34
Chromium	ug/L as Cr	**ND**	4	ND	ND	50 MAC	ND	24	ND
Cobalt	ug/L as Co	**ND**	4	ND	ND		ND	24	ND
Copper	ug/L as Cu	**ND**	4	ND	ND	2000 MAC / ≤ 1000 AO	0.79	24	ND - 48.0
Iron	ug/L as Fe	**ND**	4	ND	ND	≤ 300 AO	6.1	24	ND - 80.0
Lead	ug/L as Pb	**ND**	4	ND	ND	5 MAC	ND	24	ND
Lithium	ug/L as Li	**ND**	4	ND	ND		ND	4	ND
Magnesium	mg/L as Mg	**5.69**	4	5.25	6.52	No Guideline Required	5.5	24	0.08 - 6.62
Manganese	ug/L as Mn	**10.1**	4	9.5	11.4	120 MAC / ≤ 20 AO	10.0	24	ND - 12.1
Molybdenum	ug/L as Mo	**ND**	4	ND	ND		ND	24	ND
Nickel	ug/L as Ni	**ND**	4	ND	ND		ND	24	ND
Potassium	mg/L as K	**3.33**	4	3.19	3.73		3.37	24	0.20 - 6.63
Sulphur	mg/L as S	**ND**	4	ND	4.0		ND	18	ND - 3.7
Selenium	ug/L as Se	**0.19**	4	0.13	2.95	50 MAC	0.195	24	ND - 3.04
Silicon	mg/L	**4.44**	4	4.12	4.58		4.32	24	1.03 - 7.12
Silver	ug/L as Ag	**ND**	4	ND	ND	No Guideline Required	ND	24	ND
Sodium	mg/L as Na	**27.8**	4	25.2	32.2	≤ 200 AO	26.8	24	19.1 - 38.2
Strontium	ug/L as Sr	**53.8**	4	48.8	64.5	7000 MAC	52.1	24	34.0 - 82.0
Tin	ug/L as Sn	**ND**	4	ND	ND		ND	24	ND
Titanium	ug/L as Ti	**ND**	4	ND	ND		ND	24	ND
Thallium	ug/L as Tl	**ND**	4	ND	ND		ND	18	ND
Uranium	ug/L as U	**ND**	4	ND	ND	20 MAC	ND	18	ND
Vanadium	ug/L as V	**ND**	4	ND	ND		ND	24	ND - 22.0
Zinc	ug/L as Zn	**ND**	4	ND	ND	≤ 5000 AO	ND	24	ND - 136
Zirconium	ug/L as Zr	**ND**	4	ND	ND		ND	18	ND

Table 2

Table 2: 2021 Summary of Treated Water Test Results, Port Renfrew Water System									
PARAMETER		**2021 ANALYTICAL RESULTS**				**CANADIAN GUIDELINES**	**2011 - 2020 RESULTS**		
Parameter Name	Units of Measure	Annual Median	Samples Analyzed	Range Min.	Range Max.	≤ = Less than or equal to	Median	Samples Analyzed	Range Min.-Max.
ND means Not Detected by analytical method used									
Physical Parameters/Non-Metallic Inorganics									
Carbon, Total Organic	mg/L as C	**1.7**	4	0.48	6.7		0.53	29	ND - 15.0
Hardness as CaCO3	mg/L	**41.4**	4	39.0	48.0	No Guideline Required	40.5	21	22.9 - 47.6
pH	pH units	**7.3**	14	7.1	7.4	6.5 - 8.5 AO	7.6	19	6.9 - 8.3
Turbidity	NTU	**0.2**	7	ND	0.25		0.16	13	ND - 0.31
Water Temperature	degrees C	**10.3**	391	2.2	18.4		13.1	446	2.80 - 24.1
Microbial Parameters									
Microbial Parameters									
Coliform, Total	CFU/100 mL	**ND**	122	ND	26	0 MAC	ND	439	ND - 2
E. coli	CFU/100 mL	**ND**	112	ND	2	0 MAC	ND	439	ND
Hetero. Plate Count, 7 day	CFU/1 mL	**60**	7	ND	390	No Guideline Required	50	8	10 - 100
Disinfectants									
Chlorine, Free Residual	mg/L as Cl2	**0.41**	433	0.03	1.06	No Guideline Required	0.38	1111	0.1 - 1.84
Chlorine, Total Residual	mg/L as Cl2	Not tested in 2021				No Guideline Required	0.44	802	0.05 - 1.41
Disinfection By-Products									
Trihalomethanes (THMs)									
Bromodichloromethane	ug/L	**17.0**	4	15.0	18.0		17.0	24	1.94 - 26.7
Bromoform	ug/L	**10.5**	4	5.3	20.0		7.9	24	ND - 20.7
Chloroform	ug/L	**9.35**	4	8.4	11.0		9.75	24	1.84 - 16.7
Chlorodibromomethane	ug/L	**29.5**	4	20.0	36.0		23.0	24	ND - 40.3
Total Trihalomethanes	ug/L	**67.5**	4	50.0	82.0	100 MAC	57.5	24	3.78 - 98.8
Haloacetic Acids (HAAs)									
HAA5	ug/L	**8.4**	4	ND	12.0	80 MAC			
Metals									
Aluminum	ug/L as Al	**7.65**	4	6.6	8.1	2900 MAC / 100 OG	8.8	21	6.5 - 102
Antimony	ug/L as Sb	**ND**	4	ND	ND	6 MAC	ND	21	ND - 1.25
Arsenic	ug/L as As	**0.14**	4	0.12	0.15	10 MAC	0.14	21	ND - 0.11
Barium	ug/L as Ba	**1.65**	4	1.5	1.7	1000 MAC	1.7	21	1.0 - 26.0
Beryllium	ug/L as Be	**ND**	4	ND	ND		ND	21	ND
Bismuth	ug/L as Bi	**ND**	4	ND	ND		ND	21	ND
Boron	ug/L as B	**115**	4	104	117	5000 MAC	106	21	ND - 505
Cadmium	ug/L as Cd	**ND**	4	ND	ND	5 MAC	ND	21	ND
Calcium	mg/L as Ca	**7.49**	4	7.11	8.81	No Guideline Required	7.46	21	2.36 - 8.7
Chromium	ug/L as Cr	**ND**	4	ND	ND	50 MAC	ND	21	ND
Cobalt	ug/L as Co	**ND**	4	ND	ND		ND	21	ND
Copper	ug/L as Cu	**2.53**	4	1.5	2.77	2000 MAC / ≤ 1000 AO	2.81	21	0.20 - 136
Iron	ug/L as Fe	**9.9**	4	6.1	14.7	≤ 300 AO	16.0	21	ND - 221.0
Lead	ug/L as Pb	**ND**	4	ND	0.3	5 MAC	ND	21	ND - 0.79
Lithium	ug/L as Li	**ND**	4	ND	ND		ND	3	ND
Magnesium	mg/L as Mg	**5.5**	4	5.16	6.32	No Guideline Required	5.38	21	4.14 - 6.28
Manganese	ug/L as Mn	**6.3**	4	4.4	8.0	120 MAC / ≤ 20 AO	6.9	21	2.70 - 217.0
Molybdenum	ug/L as Mo	**ND**	4	ND	ND		ND	21	ND
Nickel	ug/L as Ni	**ND**	4	ND	ND		ND	21	ND
Potassium	mg/L as K	**3.36**	4	3.1	3.61		3.33	21	2.55 - 22.1
Selenium	ug/L as Se	**ND**	4	ND	ND	50 MAC	ND	21	ND - 0.82
Sulphur	mg/L as S	**ND**	4	ND	ND		ND	16	ND
Silver	ug/L as Ag	**ND**	4	ND	ND	No Guideline Required	ND	21	ND
Sodium	mg/L as Na	**31.3**	4	29.9	36.0	≤ 200 AO	30.2	21	23.1 - 82.6
Silicon	mg/L	**4.43**	4	4.15	4.60		4.32	21	0.98 - 5.00
Strontium	ug/L as Sr	**54.7**	4	48.3	65.6	7000 MAC	51.6	21	34.0 - 60.9
Tin	ug/L as Sn	**ND**	4	ND	ND		ND	21	ND
Thallium	ug/L as Tl	**ND**	4	ND	ND		ND	16	ND
Titanium	ug/L as Ti	**ND**	4	ND	ND		ND	21	ND
Uranium	ug/L as U	**ND**	4	ND	ND	20 MAC	ND	16	ND
Vanadium	ug/L as V	**ND**	4	ND	ND		ND	21	ND
Zinc	ug/L as Zn	**ND**	4	ND	12.5	≤ 5000 AO	3.90	21	2.0 - 17.2
Zirconium	ug/L as Zr	**ND**	4	ND	ND		ND	16	ND - 0.12

CAPITAL REGIONAL DISTRICT

PORT RENFREW WATER
Statement of Operations (Unaudited)
For the Year Ended December 31, 2021

	2021	2020
Revenue		
Transfers from government	60,016	58,327
User Charges	60,200	59,752
Water Sales	-	500
Other revenue from own sources:		
Insurance Settlement	-	24,748
Interest earnings	-	50
Other revenue	833	1,151
Total Revenue	121,049	144,527
Expenses		
General government services	5,540	5,401
Contract for Services	3,158	19,253
CRD Labour and Operating costs	92,956	94,317
Other expenses	17,341	22,038
Total Expenses	118,995	141,008
Net revenue (expenses)	2,054	3,519
Transfers to own funds:		
Capital Reserve Fund	54	1,519
Operating Reserve Fund	2,000	2,000
Annual surplus/(deficit)	-	-
Accumulated surplus/(deficit), beginning of year	-	-
Accumulated surplus/(deficit), end of year $	-	-

CAPITAL REGIONAL DISTRICT

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

	Capital Reserve	
	2021	**2020**
Beginning Balance	80,799	72,955
Transfer from Operating Budget	54	1,519
Transfers from Completed Capital Projects	5,484	4,848
Transfer to Capital Projects	(35,093)	-
Interest Income	1,256	1,478
Ending Balance	52,500	80,799

	Operating Reserve	
	2021	**2020**
Beginning Balance	2,021	-
Transfer from Operating Budget	2,000	2,000
Transfer to Operating Budget	-	-
Interest Income	50	21
Ending Balance	4,071	2,021

CAPITAL REGIONAL DISTRICT

SNUGGERY COVE WATER
Statement of Operations (Unaudited)
For the Year Ended December 31, 2021
Discontinued in 2020

		2021	2020
Revenue			
Transfers from government		-	(8,034)
Other revenue from own sources:			
Transfer from capital fund		-	-
Other revenue		-	-
Total Revenue		-	(8,034)
Expenses			
General government services		-	-
Debt Servicing Costs		-	-
Other Expenses		-	-
Total Expenses		-	-
Annual surplus/(deficit)		-	(8,034)
Accumulated surplus/(deficit), beginning of year		-	8,034
Accumulated surplus/(deficit), end of year	$	-	-

CAPITAL REGIONAL DISTRICT

PORT RENFREW SEWER
Statement of Operations (Unaudited)
For the Year Ended December 31, 2021

	2021	2020
Revenue		
Transfers from government	59,456	48,210
User Charges	57,308	48,724
Recovery Cost	2,744	-
Other revenue from own sources:		
Interest earnings	9	44
Grants	-	13,470
Other revenue	1,145	1,083
Total Revenue	120,661	111,531
Expenses		
General government services	4,260	3,764
Contract for Services	3,148	19,080
CRD Labour and Operating costs	85,381	70,154
Other expenses	23,634	20,736
Total Expenses	116,424	113,733
Net revenue (expenses)	4,238	(2,202)
Transfers to own funds:		
Capital Reserve Fund	2,035	-
Annual surplus/(deficit)	2,202	(2,202)
Accumulated surplus/(deficit), beginning of year	(2,202)	-
Accumulated surplus/(deficit), end of year	$ -	(2,202)

CAPITAL REGIONAL DISTRICT

PORT RENFREW SEWER
Statement of Reserve Balances (Unaudited)
For the Year Ended December 31, 2021

	Capital Reserve	
	2021	**2020**
Beginning Balance	21,548	19,828
Transfer from Operating Budget	2,035	-
Transfers from Completed Capital Projects	3,849	1,310
Transfer to Capital Projects	(20,000)	-
Interest Income	180	410
Ending Balance	7,612	21,548

	Operating Reserve	
	2021	**2020**
Beginning Balance	21	-
Transfer from Operating Budget	-	-
Transfer from Reserves	305	-
Transfer to Operating Budget	-	-
Interest Income	23	21
Ending Balance	349	21

CAPITAL REGIONAL DISTRICT

PORT RENFREW STREET LIGHTING
Statement of Operations (Unaudited)
For the Year Ended December 31, 2021

		2021	2020
Revenue			
Transfers from government		3,321	3,763
User Charges		3,071	3,017
Other revenue from own sources:			
Interest earnings		20	30
Other revenue		281	326
Total Revenue		6,693	7,135
Expenses			
General government services		425	404
Electricity		6,813	6,455
Other expenses		83	72
Total Expenses		7,321	6,930
Net revenue (expenses)		(628)	205
Annual surplus/(deficit)		(628)	205
Accumulated surplus/(deficit), beginning of year		2,148	1,943
Accumulated surplus/(deficit), end of year	$	1,520	2,148

CAPITAL REGIONAL DISTRICT

PORT RENFREW REFUSE
Statement of Operations (Unaudited)
For the Year Ended December 31, 2021

	2021	2020
Revenue		
Transfers from government	33,324	32,855
Recovery from Pacheedaht FN	36,137	35,159
Recovery from CRD Solid Waste	15,590	15,330
Recyclables Sales	14,351	3,452
Other revenue from own sources:		
Interest earnings	23	66
Other revenue	334	305
Total Revenue	99,759	87,167
Expenses		
General government services	3,867	3,419
Contract for Services	89,287	74,007
Utilities & Telecommunications	1,796	1,860
Other expenses	402	123
Total Expenses	95,352	79,409
Net revenue (expenses)	4,407	7,758
Transfers to own funds:		
Capital Reserve Fund	4,000	4,704
Equipment Replacement Fund	407	3,054
Annual surplus/(deficit)	-	-
Accumulated surplus/(deficit), beginning of year	-	-
Accumulated surplus/(deficit), end of year	$ -	-

CAPITAL REGIONAL DISTRICT

PORT RENFREW REFUSE
Statement of Reserve Balances (Unaudited)
For the Year Ended December 31, 2021

	Capital Reserve	
	2021	**2020**
Beginning Balance	73,400	67,364
Transfer from Operating Budget	4,000	4,704
Transfer to Capital Projects	(23,000)	-
Interest Income	860	1,332
Ending Balance	55,260	73,400

	Equipment Replacement Fund	
	2021	**2020**
Beginning Balance	37,222	33,851
Transfer from Operating Budget	407	3,054
Purchases from ERF	-	-
Interest Income	242	317
Ending Balance	37,871	37,222