

DRINKING WATER SYSTEM ANNUAL REPORT

Reporting Period:	January 1 st to December 31 st , 2019
Water System:	Coal Harbour Water System
Water System Owner	Regional District of Mount Waddington
Primary Contact Name:	Patrick Donaghy
Phone Number	250 956-3301
Email	pdonaghy@rdmw.bc.ca

Water Supply System Description

Source of Raw Water

- Deep Well
 Shallow Well
 Surface Water
 Other

Does Drinking Water System have Primary Disinfection? Yes No

- Chlorination
 Ultraviolet Light
 Ozone
 Other

Does the Drinking Water System have Secondary Disinfection? Yes No

- Chlorination
 Ultraviolet Light

Does the Drinking Water System have Filtration? Yes No

- Cartridge Filter(s)
 Carbon Filter
 Sand Filtration
 Reverse Osmosis
 Other

Public Reporting

Emergency Response & Contingency Plan (ERCP)

Is the ERCP up to date? Yes No

Means of informing the system users of the ERCP

- Hand Delivered
 Bulletin Board
 Newspaper
 Utility Bill Insert
 Website
 Other

Drinking Water System Annual Report

Drinking Water System Annual Report

Means of informing the system users of the Annual Report

- Hand Delivered
 Bulletin Board
 Newspaper
 Utility Bill Insert
 Website
 Other

Compliance with Operating Permit

Conditions of Operating Permit

In compliance with Operating Permit Yes No

Bacteriological Testing and Drinking Water Protection Regulation Water Quality Standards

Number of Bacteriological samples were collected during the reporting period: 99

Minimum required sampling frequency for the system: 48

Minimum required sampling achieved? Yes No

Comments:

Bacteriological summary attached to the report? Yes No

Water Quality Standards for Potable Water

Parameter	Standard	Meet Standard
Escherichia coli (for all samples)	No detectable Escherichia coli per 100 ml	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Total Coliform Bacteria (if only 1 sample collected in a 30 day period)	No detectable total coliform bacteria per 100 ml	<input type="checkbox"/> Yes <input type="checkbox"/> No
Total Coliform Bacteria (if more than 1 sample collected in a 30 day period)	No more than 10% of samples contain total coliform bacteria, and No sample has more than 10 total coliform bacteria per 100 ml	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Recorded results where water system did not meet of the above Drinking Water Protection Regulation standards:

Chemical Sampling Completed During This Reporting Period

Was any chemical sampling conducted during the reporting period? Yes No

If Yes, attach list of chemical results to this report.

If no, when were the last chemical samples conducted for this system? 06/17 Don't Know

If Yes, attach list of chemical results List Attached

Next scheduled full chemical test: 2022

Test results that did not meet Guidelines for Chemical Drinking Water Quality

Parameter	Result	Corrective Action/Treatment/Comments

Additional Testing

Does the system have analyzers for continuous monitoring? Yes No

If yes, check all boxes that apply:

Chlorine Turbidity Other (details)

Are results available on request? Yes No

If any additional testing or sampling was conducted, record results in the table below, attach additional sheets if necessary.

Additional Test & Reason for Sampling	Corrective Action Taken

Water Quality Complaints

Were there any water quality complaints in this reporting period (e.g. taste, odour, colour, etc.) Yes No

If yes, complete the table below; attach additional sheets if necessary.

Date	Water Quality Complaint	Corrective Action/Treatment

Operational Problems

Were there any operational problems during this reporting period? (e.g. insufficient water supply, malfunction of disinfection equipment, line breaks, elevated turbidity, etc.) Yes No

If yes, complete the table below, attach additional sheets if necessary.

Date	Type of Operational Problem	Corrective Action/Treatment

Major Upgrades/Repairs & Expenses

Were there any major upgrades/repairs or any major costs incurred during this reporting period? Yes No

If yes, complete the table below, attach additional sheets if necessary.

Major Upgrades/Expenses	Details
Improvements required by DWO	
Additions/changes to system	
Purchase or install new equipment	
Equipment repair or replacement	
Annual maintenance of system	
Specialist report	
Other	

Major Upgrades/Repairs & Expenses

Are there any plans for future improvements? Yes No

If yes, complete the table below, attach additional sheets if necessary.

Future Upgrades or Improvements	Estimated Date of Completion
Upgrade/Replacement of Process Logic Control (PLC) for Pump House, Water Treatment Plant and Reservoirs	March 31, 2019
Installation of PLC controlled valve downstream of reservoirs to limit risk of total supply loss if major distribution failure were to occur.	March 31, 2019

Date Completed: December 30, 2020
Completed By: Patrick Donaghy & Paul Getman

COAL HARBOUR WATER	
Facility Location	
Coal Harbour Road RDMW Electoral Area B	
Facility Information	
Facility Type	15-300 (DWC)

Facility Sampling History

Location	Date	Total Coliform	E. Coli
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	17-Dec-2019	L1	L1
Sewage Plant, Coal Harbour, BC	17-Dec-2019	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	10-Dec-2019	T	
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	3-Dec-2019	L1	L1
Sewage Plant, Coal Harbour, BC	3-Dec-2019	L1	L1
Wharf, Coal Harbour Govt Wharf, Coal Harbour	3-Dec-2019	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	26-Nov-2019	L1	L1
Sewage Plant, Coal Harbour, BC	26-Nov-2019	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	19-Nov-2019	L1	L1
Sewage Plant, Coal Harbour, BC	19-Nov-2019	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	12-Nov-2019	L1	L1
Sewage Plant, Coal Harbour, BC	12-Nov-2019	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	5-Nov-2019	L1	L1
Sewage Plant, Coal Harbour, BC	5-Nov-2019	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	29-Oct-2019	L1	L1
Sewage Plant, Coal Harbour, BC	29-Oct-2019	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	22-Oct-2019	L1	L1
Sewage Plant, Coal Harbour, BC	22-Oct-2019	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	15-Oct-2019	L1	L1
Sewage Plant, Coal Harbour, BC	15-Oct-2019	L1	L1

Wharf, Coal Harbour Govt Wharf, Coal Harbour	15-Oct-2019	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	8-Oct-2019	L1	L1
Sewage Plant, Coal Harbour, BC	8-Oct-2019	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	1-Oct-2019	L1	L1
Sewage Plant, Coal Harbour, BC	1-Oct-2019	L1	L1
Wharf, Coal Harbour Govt Wharf, Coal Harbour	1-Oct-2019	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	24-Sep-2019	L1	L1
Sewage Plant, Coal Harbour, BC	24-Sep-2019	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	17-Sep-2019	L1	L1
Sewage Plant, Coal Harbour, BC	17-Sep-2019	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	10-Sep-2019	L1	L1
Sewage Plant, Coal Harbour, BC	10-Sep-2019	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	3-Sep-2019	L1	L1
Sewage Plant, Coal Harbour, BC	3-Sep-2019	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	27-Aug-2019	L1	L1
Sewage Plant, Coal Harbour, BC	27-Aug-2019	L1	L1
Wharf, Coal Harbour Govt Wharf, Coal Harbour	27-Aug-2019	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	20-Aug-2019	L1	L1
Sewage Plant, Coal Harbour, BC	20-Aug-2019	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	13-Aug-2019	L1	L1
Sewage Plant, Coal Harbour, BC	13-Aug-2019	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	6-Aug-2019	L1	L1
Sewage Plant, Coal Harbour, BC	6-Aug-2019	L1	L1
Sewage Plant, Coal Harbour, BC	30-Jul-2019	L1	L1
Wharf, Coal Harbour Govt Wharf, Coal Harbour	30-Jul-2019	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	23-Jul-2019	L1	L1
Sewage Plant, Coal Harbour, BC	23-Jul-2019	L1	L1

Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	16-Jul-2019	L1	L1
Sewage Plant, Coal Harbour, BC	16-Jul-2019	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	2-Jul-2019	L1	L1
Sewage Plant, Coal Harbour, BC	2-Jul-2019	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	25-Jun-2019	L1	L1
Sewage Plant, Coal Harbour, BC	25-Jun-2019	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	18-Jun-2019	L1	L1
Sewage Plant, Coal Harbour, BC	18-Jun-2019	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	11-Jun-2019	L1	L1
Sewage Plant, Coal Harbour, BC	11-Jun-2019	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	4-Jun-2019	L1	L1
Sewage Plant, Coal Harbour, BC	4-Jun-2019	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	28-May-2019	L1	L1
Wharf, Coal Harbour Govt Wharf, Coal Harbour	28-May-2019	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	21-May-2019	L1	L1
Sewage Plant, Coal Harbour, BC	14-May-2019	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	7-May-2019	L1	L1
Sewage Plant, Coal Harbour, BC	7-May-2019	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	30-Apr-2019	L1	L1
Sewage Plant, Coal Harbour, BC	30-Apr-2019	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	23-Apr-2019	L1	L1
Sewage Plant, Coal Harbour, BC	23-Apr-2019	L1	L1
Wharf, Coal Harbour Govt Wharf, Coal Harbour	23-Apr-2019	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	9-Apr-2019	L1	L1
Sewage Plant, Coal Harbour, BC	9-Apr-2019	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	2-Apr-2019	L1	L1
Sewage Plant, Coal Harbour, BC	2-Apr-2019	L1	L1

Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	26-Mar-2019	L1	L1
Sewage Plant, Coal Harbour, BC	26-Mar-2019	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	12-Mar-2019	L1	L1
Sewage Plant, Coal Harbour, BC	12-Mar-2019	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	5-Mar-2019	L1	L1
Sewage Plant, Coal Harbour, BC	5-Mar-2019	L1	L1
Wharf, Coal Harbour Govt Wharf, Coal Harbour	5-Mar-2019	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	26-Feb-2019	L1	L1
Sewage Plant, Coal Harbour, BC	26-Feb-2019	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	19-Feb-2019	L1	L1
Sewage Plant, Coal Harbour, BC	19-Feb-2019	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	12-Feb-2019	L1	L1
Sewage Plant, Coal Harbour, BC	12-Feb-2019	L1	L1
Wharf, Coal Harbour Govt Wharf, Coal Harbour	12-Feb-2019	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	5-Feb-2019	L1	L1
Sewage Plant, Coal Harbour, BC	5-Feb-2019	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	29-Jan-2019	L1	L1
Sewage Plant, Coal Harbour, BC	29-Jan-2019	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	22-Jan-2019	L1	L1
Sewage Plant, Coal Harbour, BC	22-Jan-2019	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	15-Jan-2019	L1	L1
Sewage Plant, Coal Harbour, BC	15-Jan-2019	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	8-Jan-2019	L1	L1
Sewage Plant, Coal Harbour, BC	8-Jan-2019	L1	L1
Wharf, Coal Harbour Govt Wharf, Coal Harbour	8-Jan-2019	L1	L1