

DRINKING WATER SYSTEM ANNUAL REPORT
Reporting Period: January 1st to December 31st, (year)

Water System
Water System Owner
Primary Contact Name (Operator or Manager)

Phone Number (Operator or Manager)

E-mail (Operator or Manager)

DESCRIBE YOUR WATER SUPPLY SYSTEM
What is the Source(s) of Raw Water?
☐ Deep Well ☐ Shallow Well ☐ Surface Water ☐ Other

If other, specify details:

Does the Drinking Water System have Primary Disinfection?
☐ Yes ☐ No

☐ Chlorination ☐ Ultraviolet Light ☐ Ozone ☐ Other

If other, specify details:

Does the Drinking Water System have Secondary Disinfection?
☐ Yes ☐ No

☐ Chlorination ☐ Other

If other, specify details:

Does the Drinking Water System have Filtration?
☐ Yes ☐ No

Check all boxes that apply

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

If other, specify details:

PUBLIC REPORTING
Emergency Response & Contingency Plan (ERCP)
Is your ERCP up to Date? ☐ Yes ☐ No

How do you Inform the System Users of the ERCP?
☐ Hand Delivered ☐ Bulletin Board ☐ Newspaper ☐ Utility Bill Insert ☐ Website

☐ Other (specify details) CVRD Engineering Services, 175 Ingram Street, Duncan, BC

Drinking Water System Annual Report
How do you Inform the System Users of the Annual Report?
☐ Hand Delivered ☐ Bulletin Board ☐ Newspaper ☐ Utility Bill Insert ☐ Website

☐ Other (specify details)

COMPLIANCE WITH OPERATING PERMIT

List the conditions of your Operating Permit (Contact the DWO for a copy if needed):

Are you in compliance with your Operating Permit?

☐ Yes

☐ No

BACTERIOLOGICAL TESTING AND DRINKING WATER PROTECTION REGULATION WATER QUALITY STANDARDS

How many bacteriological samples were collected during this reporting period?

What is the minimum required sampling frequency for this system? (#samples/month)

Additional sampling details:

Was the minimum required sampling frequency achieved?

☐ Yes

☐ No

Comments:

Bacteriological summary attached to this report?

☐ Yes

☐ No

If no, how do the users of the system view the results?

WATER QUALITY STANDARDS FOR POTABLE WATER

Parameter:	Standard:	Did this system meet standard?	
Escherichia coli (for all samples)	No detectable <i>Escherichia coli</i> per 100ml	<input 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 100ml	<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 100ml	<input type="checkbox"/> Yes	<input type="checkbox"/> No

If the system did not meet any of above Drinking Water Protection Regulation standards, record the results in the table below; attach additional sheets if necessary.

Date	TC/100ml	E.coli/100ml	Reason	Corrective Action

CHEMICAL SAMPLING COMPLETED DURING THIS REPORTING PERIOD

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

If no, when were the last chemical samples conducted for this system? (date) ☐ Don't know

If yes, attach a list of the chemical results

If any water samples did not meet the Guidelines for Canadian Drinking Water Quality, record the results in the table below; attach additional sheets if necessary.

Next scheduled full chemical test (date)

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 the results available on request?

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

Additional Testing & 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.

Incident Date	Type of Operational Problem	Corrective Action Taken

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	

FUTURE IMPROVEMENTS

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

Click here to enter a date.

DATE COMPLETED:

COMPLETED BY:

DOGWOOD RIDGE WATER

Future Upgrades or Improvements	Estimated Date of Completion
Repair and rebuild well #2	future
Rehabilitate well #2 and install level sensors	2020/2021
Install managanese treatment system	future



DOGWOOD RIDGE WATER SYSTEM

Facility Location	Facility Information	
175 Ingram Street Duncan	Facility Type	15-300 (DWC)

Facility Sampling History

Location	Date	Total Coliform	E. Coli
S-2 Water treatment building, Water treatment building	15-Dec-2020	LT1	LT1
S-1,2628 Bruce Road, S-1, 2628 Bruce Road	9-Dec-2020	LT1	LT1
S-2 Water treatment building, Water treatment building	30-Nov-2020	LT1	LT1
S-1,2628 Bruce Road, S-1, 2628 Bruce Road	24-Nov-2020	LT1	LT1
S-2 Water treatment building, Water treatment building	17-Nov-2020	LT1	LT1
S-2 Water treatment building, Water treatment building	4-Nov-2020	LT1	LT1
S-1,2628 Bruce Road, S-1, 2628 Bruce Road	28-Oct-2020	LT1	LT1
S-2 Water treatment building, Water treatment building	19-Oct-2020	LT1	LT1
S-1,2628 Bruce Road, S-1, 2628 Bruce Road	14-Oct-2020	LT1	LT1
S-2 Water treatment building, Water treatment building	6-Oct-2020	LT1	LT1
S-1,2628 Bruce Road, S-1, 2628 Bruce Road	29-Sep-2020	LT1	LT1
S-2 Water treatment building, Water treatment building	22-Sep-2020	LT1	LT1
S-1,2628 Bruce Road, S-1, 2628 Bruce Road	15-Sep-2020	LT1	LT1
S-2 Water treatment building, Water treatment building	9-Sep-2020	LT1	LT1
S-1,2628 Bruce Road, S-1, 2628 Bruce Road	1-Sep-2020	LT1	LT1
S-2 Water treatment building, Water treatment building	25-Aug-2020	LT1	LT1
S-1,2628 Bruce Road, S-1, 2628 Bruce Road	19-Aug-2020	LT1	LT1
S-2 Water treatment building, Water treatment building	11-Aug-2020	LT1	LT1
S-1,2628 Bruce Road, S-1, 2628 Bruce Road	4-Aug-2020	LT1	LT1
S-2 Water treatment building, Water treatment building	28-Jul-2020	LT1	LT1
S-1,2628 Bruce Road, S-1, 2628 Bruce Road	21-Jul-2020	LT1	LT1



S-2 Water treatment building, Water treatment building	14-Jul-2020	LT1	LT1
S-1,2628 Bruce Road, S-1, 2628 Bruce Road	7-Jul-2020	LT1	LT1
S-2 Water treatment building, Water treatment building	29-Jun-2020	LT1	LT1
S-1,2628 Bruce Road, S-1, 2628 Bruce Road	23-Jun-2020	LT1	LT1
S-2 Water treatment building, Water treatment building	16-Jun-2020	LT1	LT1
S-1,2628 Bruce Road, S-1, 2628 Bruce Road	9-Jun-2020	LT1	LT1
S-2 Water treatment building, Water treatment building	1-Jun-2020	LT1	LT1
S-1,2628 Bruce Road, S-1, 2628 Bruce Road	26-May-2020	LT1	LT1
S-2 Water treatment building, Water treatment building	20-May-2020	LT1	LT1
S-1,2628 Bruce Road, S-1, 2628 Bruce Road	12-May-2020	LT1	LT1
S-2 Water treatment building, Water treatment building	5-May-2020	LT1	LT1
S-1,2628 Bruce Road, S-1, 2628 Bruce Road	28-Apr-2020	LT1	LT1
S-2 Water treatment building, Water treatment building	21-Apr-2020	LT1	LT1
S-1,2628 Bruce Road, S-1, 2628 Bruce Road	15-Apr-2020	LT1	LT1
S-2 Water treatment building, Water treatment building	7-Apr-2020	LT1	LT1
S-1,2628 Bruce Road, S-1, 2628 Bruce Road	30-Mar-2020	LT1	LT1
S-2 Water treatment building, Water treatment building	24-Mar-2020	LT1	LT1
S-1,2628 Bruce Road, S-1, 2628 Bruce Road	17-Mar-2020	LT1	LT1
S-2 Water treatment building, Water treatment building	10-Mar-2020	LT1	LT1
S-1,2628 Bruce Road, S-1, 2628 Bruce Road	2-Mar-2020	LT1	LT1
S-2 Water treatment building, Water treatment building	25-Feb-2020	LT1	LT1
S-1,2628 Bruce Road, S-1, 2628 Bruce Road	19-Feb-2020	LT1	LT1
S-2 Water treatment building, Water treatment building	11-Feb-2020	LT1	LT1
S-1,2628 Bruce Road, S-1, 2628 Bruce Road	4-Feb-2020	LT1	LT1
S-2 Water treatment building, Water treatment building	28-Jan-2020	LT1	LT1
S-1,2628 Bruce Road, S-1, 2628 Bruce Road	20-Jan-2020	L1	LT1
S-2 Water treatment building, Water treatment building	14-Jan-2020	L1	L1
S-1,2628 Bruce Road, S-1, 2628 Bruce Road	7-Jan-2020	L1	L1

Alkalinity (total, as CaCO3)		Sampling Point Name	Criteria	
09/09/2020	135 mg/L	Well#1-tap on inlet from well inside TB		
Aluminum (total)		Sampling Point Name	Criteria	
09/09/2020	< 0.005 mg/L	Well#1-tap on inlet from well inside TB	<=0.1	Operational - Conventional
Ammonia (total, as N)		Sampling Point Name	Criteria	
09/09/2020	0.96 mg/L	Well#1-tap on inlet from well inside TB		
Antimony (total)		Sampling Point Name	Criteria	
09/09/2020	< 0.0005 mg/L	Well#1-tap on inlet from well inside TB	<=0.006	MAC
Arsenic (total)		Sampling Point Name	Criteria	
09/09/2020	0.0013 mg/L	Well#1-tap on inlet from well inside TB	<=0.010	MAC
Background Bacteria		Sampling Point Name	Criteria	
Barium (total)		Sampling Point Name	Criteria	
09/09/2020	0.0118 mg/L	Well#1-tap on inlet from well inside TB	<=2.0	MAC
Beryllium (total)		Sampling Point Name	Criteria	
09/09/2020	< 0.00005 mg/L	Well#1-tap on inlet from well inside TB		
Boron (total)		Sampling Point Name	Criteria	
09/09/2020	0.020 mg/L	Well#1-tap on inlet from well inside TB	<=5	MAC
Cadmium (total)		Sampling Point Name	Criteria	
09/09/2020	0.00008 mg/L	Well#1-tap on inlet from well inside TB	<=0.005	MAC
Calcium (total)		Sampling Point Name	Criteria	
09/09/2020	23.2 mg/L	Well#1-tap on inlet from well inside TB		
Chloride		Sampling Point Name	Criteria	
09/09/2020	5.12 mg/L	Well#1-tap on inlet from well inside TB	<=250	AO

Chromium (total)		Sampling Point Name	Criteria	
09/09/2020	< 0.0005 mg/L	Well#1-tap on inlet from well inside TB	<=0.05	MAC
Cobalt (total)		Sampling Point Name	Criteria	
09/09/2020	< 0.00005 mg/L	Well#1-tap on inlet from well inside TB		
Colour		Sampling Point Name	Criteria	
09/09/2020	5 TCU	Well#1-tap on inlet from well inside TB	<=15	AO
Conductivity		Sampling Point Name	Criteria	
09/09/2020	274 uS/cm	Well#1-tap on inlet from well inside TB		
Copper (total)		Sampling Point Name	Criteria	
09/09/2020	0.0012 mg/L	Well#1-tap on inlet from well inside TB	<=1.0	AO
Escherichia coli / E. coli (counts)		Sampling Point Name	Criteria	
09/09/2020	< 1 counts/100ml	Well#1-tap on inlet from well inside TB	<=0, P	Microbiological Standard
Fecal (thermal tolerant) Coliforms (counts)		Sampling Point Name	Criteria	
09/09/2020	< 1 counts/100ml	Well#1-tap on inlet from well inside TB	<=0, OG	Microbiological Standard
Fluoride		Sampling Point Name	Criteria	
09/09/2020	0.12 mg/L	Well#1-tap on inlet from well inside TB	<=1.5	MAC
Gold (total)		Sampling Point Name	Criteria	
Hardness (total, as CaCO3)		Sampling Point Name	Criteria	
09/09/2020	114 mg/L	Well#1-tap on inlet from well inside TB		
Heterotrophic Plate Count / HPC		Sampling Point Name	Criteria	
* 09/09/2020	2,300 CFU/100ml	Well#1-tap on inlet from well inside TB	<=500	User-Defined
Iron (total)		Sampling Point Name	Criteria	
* 09/09/2020	1.14 mg/L	Well#1-tap on inlet from well inside TB	<=0.3	AO

Iron Bacteria (counts)		Sampling Point Name	Criteria	
09/09/2020	500 CFU/ml	Well#1-tap on inlet from well inside TB		
Langelier Index (@ 20 C)		Sampling Point Name	Criteria	
Lead (total)		Sampling Point Name	Criteria	
09/09/2020	0.00036 mg/L	Well#1-tap on inlet from well inside TB	<=0.005	MAC
Magnesium (total)		Sampling Point Name	Criteria	
09/09/2020	13.6 mg/L	Well#1-tap on inlet from well inside TB		
Manganese (total)		Sampling Point Name	Criteria	
* 09/09/2020	0.146 mg/L	Well#1-tap on inlet from well inside TB	<=0.12	MAC
Mercury (total)		Sampling Point Name	Criteria	
09/09/2020	< 0.00001 mg/L	Well#1-tap on inlet from well inside TB	<=0.001	MAC
Molybdenum (total)		Sampling Point Name	Criteria	
09/09/2020	0.0006 mg/L	Well#1-tap on inlet from well inside TB		
Nickel (total)		Sampling Point Name	Criteria	
09/09/2020	0.0005 mg/L	Well#1-tap on inlet from well inside TB		
Nitrate (as N)		Sampling Point Name	Criteria	
09/09/2020	< 0.005 mg/L	Well#1-tap on inlet from well inside TB	<=10	MAC
Nitrite (as N)		Sampling Point Name	Criteria	
09/09/2020	< 0.005 mg/L	Well#1-tap on inlet from well inside TB	<=1	MAC
pH		Sampling Point Name	Criteria	
09/09/2020	7.70 %	Well#1-tap on inlet from well inside TB		
Phosphorus (total)		Sampling Point Name	Criteria	

Potassium (total)		Sampling Point Name	Criteria
09/09/2020	1.4 mg/L	Well#1-tap on inlet from well inside TB	
Scandium (total)		Sampling Point Name	Criteria
Selenium (total)		Sampling Point Name	Criteria
09/09/2020	0.0006 mg/L	Well#1-tap on inlet from well inside TB	<=0.05 MAC
Silicon (extractable, as Si)		Sampling Point Name	Criteria
Silver (total)		Sampling Point Name	Criteria
09/09/2020	< 0.0001 mg/L	Well#1-tap on inlet from well inside TB	
Sodium (total)		Sampling Point Name	Criteria
09/09/2020	15.0 mg/L	Well#1-tap on inlet from well inside TB	<=200 AO
Strontium (total)		Sampling Point Name	Criteria
09/09/2020	0.105 mg/L	Well#1-tap on inlet from well inside TB	
Sulfate Reducing Bacteria		Sampling Point Name	Criteria
09/09/2020	< 1 CFU/ml	Well#1-tap on inlet from well inside TB	
Sulphate		Sampling Point Name	Criteria
09/09/2020	< 0.5 mg/L	Well#1-tap on inlet from well inside TB	<=500 AO
Sulphide (total, as H2S)		Sampling Point Name	Criteria
Tannins and Lignins		Sampling Point Name	Criteria
09/09/2020	0.3 mg/L	Well#1-tap on inlet from well inside TB	
Tin (total)		Sampling Point Name	Criteria
09/09/2020	0.00042 mg/L	Well#1-tap on inlet from well inside TB	

Titanium (total)		Sampling Point Name	Criteria	
09/09/2020	0.002 mg/L	Well#1-tap on inlet from well inside TB		
Total Coliforms (counts)		Sampling Point Name	Criteria	
09/09/2020	< 1 counts/100ml	Well#1-tap on inlet from well inside TB	<=0, OG	User-Defined
Total Dissolved Solids / TDS		Sampling Point Name	Criteria	
09/09/2020	165 mg/L	Well#1-tap on inlet from well inside TB	<=500	AO
Total Kjeldahl Nitrogen / TKN		Sampling Point Name	Criteria	
09/09/2020	1.00 mg/L	Well#1-tap on inlet from well inside TB		
Total Organic Carbon / TOC		Sampling Point Name	Criteria	
09/09/2020	1.7 mg/L	Well#1-tap on inlet from well inside TB		
Tungsten (total)		Sampling Point Name	Criteria	
09/09/2020	0.0001 mg/L	Well#1-tap on inlet from well inside TB		
Turbidity		Sampling Point Name	Criteria	
09/09/2020	2.6 NTU	Well#1-tap on inlet from well inside TB	<=5	User-Defined
Vanadium (total)		Sampling Point Name	Criteria	
09/09/2020	< 0.001 mg/L	Well#1-tap on inlet from well inside TB		
Zinc (total)		Sampling Point Name	Criteria	
09/09/2020	< 0.005 mg/L	Well#1-tap on inlet from well inside TB	<=5	AO

Result Legend:

P=present, A=absent, PR=presumptive, ND=non-detect, OR=over-range, OG=overgrown, Y=yes, N=no, TNTC=too numerous to count, NR=no result, NT=not tested, IG=ignore, ER=external report, SC=see comment

< means less than lower detection limit shown

> means greater than upper detection limit shown

« means detected & less than number shown

» means detected & greater than number shown

* Indicates Criteria is exceeded