

Reporting Period: January 1 st to December 31 st , (year) Water System Water System Owner
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?
Chlorination Ultraviolet Light Ozone Other
If other, specify details:
Does the Drinking Water System have Secondary Disinfection?
☐ Chlorination ☐ Other
If other, specify details:
Does the Drinking Water System have Filtration?
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 Operation Department, 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 PER	KIVII I		
List the conditions of your Ope	erating Permit (Contact the DWO for a c	copy if needed):	
Are you in compliance with yo	ur Operating Permit?	Yes	No
BACTERIOLOGICAL TESTING AND DR	RINKING WATER PROTECTION REGULATION WA	ATER QUALITY STAN	DARDS
How many bacteriological san	nples were collected during this reporti	ng period?	
What is the minimum required	d sampling frequency for this system? (#	#samples/month)	1
Additional sampling details:			
Was the minimum required sa	mpling frequency achieved?	Yes	□No
Comments:			
comments.			
Bacteriological summary attac	•	Yes	□No
Bacteriological summary attac If no, how do the users of the s WATER QUALITY STANDARDS FOR F	system view the results? POTABLE WATER		
Bacteriological summary attack if no, how do the users of the s Water Quality Standards for F Parameter:	system view the results?		No No stem meet standard?
Bacteriological summary attack if no, how do the users of the s WATER QUALITY STANDARDS FOR F Parameter:	system view the results? POTABLE WATER		
Bacteriological summary attack for no, how do the users of the service of the ser	POTABLE WATER Standard:	Did this sy	stem meet standard?
Bacteriological summary attack If no, how do the users of the services WATER QUALITY STANDARDS FOR FOR Parameter: Escherichia colifor all samples) Total Coliform Bacteria If only 1 sample collected in a 30 day period) Total Coliform Bacteria If more than 1 sample collected in a	POTABLE WATER Standard: No detectable Escherichia coli per 100ml	Did this sy	stem meet standard?
Bacteriological summary attack If no, how do the users of the services WATER QUALITY STANDARDS FOR FORTAGE Escherichia coli for all samples) Fotal Coliform Bacteria (if only 1 sample collected in a 30 day period) Fotal Coliform Bacteria (if more than 1 sample collected in a 30 day period) If the system did not meet any	POTABLE WATER Standard: No detectable Escherichia coli per 100ml No more than 10% of samples contain total coliform bacteria, and No sample has more than 10 total coliform bacteria per 100ml of above Drinking Water Protection Reserved.	Did this syn	stem meet standard? No No
Bacteriological summary attack f no, how do the users of the services WATER QUALITY STANDARDS FOR FOR Parameter: Escherichia coli for all samples) Total Coliform Bacteria if only 1 sample collected in a 30 day period) Total Coliform Bacteria if more than 1 sample collected in a 30 day period) If the system did not meet any the table below; attach addition	System view the results? POTABLE WATER Standard: No detectable Escherichia coli per 100ml No more than 10% of samples contain total coliform bacteria, and No sample has more than 10 total coliform bacteria per 100ml of above Drinking Water Protection Resonal sheets if necessary.	Did this syn	stem meet standard? No No
Bacteriological summary attack If no, how do the users of the services Water Quality Standards for F Parameter: Escherichia coli for all samples) Total Coliform Bacteria (if only 1 sample collected in a 30 day period) Total Coliform Bacteria (if more than 1 sample collected in a 30 day period)	POTABLE WATER Standard: No detectable Escherichia coli per 100ml No more than 10% of samples contain total coliform bacteria, and No sample has more than 10 total coliform bacteria per 100ml of above Drinking Water Protection Reserved.	Did this syn	stem meet standard? No No No
Bacteriological summary attack If no, how do the users of the second and the users of the second are second as a second are second are second as a second are second ar	System view the results? POTABLE WATER Standard: No detectable Escherichia coli per 100ml No more than 10% of samples contain total coliform bacteria, and No sample has more than 10 total coliform bacteria per 100ml of above Drinking Water Protection Resonal sheets if necessary.	Did this syn	stem meet standard? No No No
Bacteriological summary attack If no, how do the users of the second and the users of the second are second as a second are second are second as a second are second ar	System view the results? POTABLE WATER Standard: No detectable Escherichia coli per 100ml No more than 10% of samples contain total coliform bacteria, and No sample has more than 10 total coliform bacteria per 100ml of above Drinking Water Protection Resonal sheets if necessary.	Did this syn	stem meet standard? No No No
Bacteriological summary attack If no, how do the users of the second and the users of the second are second as a second are second are second as a second are second ar	System view the results? POTABLE WATER Standard: No detectable Escherichia coli per 100ml No more than 10% of samples contain total coliform bacteria, and No sample has more than 10 total coliform bacteria per 100ml of above Drinking Water Protection Resonal sheets if necessary.	Did this syn	stem meet standard? No No No



CHEMICAL SAME	LING COMPLETED I	DURING THIS REPO	ORTING PERIOD					
Was any chemical sampling conducted during reporting period? Yes No								
If no, when were the last chemical samples conducted for this system? (date)								
If yes, attach	If yes, attach a list of the chemical results							
	amples did not ı w; attach additi		lines for Canadian I necessary.	Orinking Water C	Quality, red	cord the results in		
Next schedule	Next scheduled full chemical test (date)							
Parameter	Result	Corrective Ac	ction / Treatment /	Comments				
Additional Tes	STING							
Does the syste	em have analyze	ers for continuo	us monitoring?	Yes		□No		
If yes, check a	ll boxes that ap	oly:						
Chlorine	Turk	oidity	Other (details)					
Are the result	s available on re	equest?	UV Intensity Ala	ırm				
If any addition	_	mpling was con	nducted, record resu	ılts in the table b	elow; atto	ach additional		
Additional Te	sting & Reason f	or Sampling	Corrective Action	Taken				
WATER QUALITY	Y COMPLAINTS							
Were there any water quality complaints in this reporting period? (e.g. taste, odour, colour etc.)								
If yes, complete the table below; attach additional sheets if necessary.								
Date	Water Quality	/ Complaint	Corrective Ac	tion / Treatmen	t			



OPERATIONAL PROBLEMS	OPERATIONAL PROBLEMS						
	Were there any operational problems during this reporting						
period? (e.g. insufficient water supply, malfunction of							
If yes, complete the table below; attach additional sheets if necessary.							
if yes, complete the table belo	w; attach adaitiona	ıı sneets ıj n	ecessary.				
Incident Date Type of Operational Problem Corrective Action Taken							
MAJOR UPGRADES/REPAIRS & EXP	PENSES						
Were there any major upgrad incurred during this reporting		ajor costs	Yes	□No			
If yes, complete the table belo	•	ıl sheets if n	ecessary				
ij yes, complete the tuble belo	w, attach adamona	ir sireets ij ir					
Major Upgrades/Expenses	Details						
Improvements required by DW	/0						
Additions/changes to system							
Purchase or install new equipment	nent						
Equipment repair or replacement	ent						
Annual maintenance of system	1						
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 house to serten a 314							
Click here to enter a date. DATE COMPLETED:		Сом	PLETED BY:				

APPENDIX A

WATER SYSTEM OPERATING CONDITIONS FOR

YOUBOU WATER SYSTEM
Youbou Community Lane
Youbou, BC, V0R 3E1

Drinking Water Treatment

The water supplier is required to treat the source water supply in adherence with VIHA's Policy No. 3.3 "Drinking Water Treatment for Surface Water Supplies".

Summarize monthly and annual records of turbidity monitoring and include in annual report.

Sampling and Monitoring

The water supplier must monitor Trihalomethanes (THMs) of the treated surface water on a running annual average based on quarterly samples to ensure the Maximum Acceptable Concentration (MAC) of 0.100 mg/L outlined in the *Guidelines for Canadian Drinking Water Quality (GCDWQ)* is not exceeded. These results are to be summarized and submitted to the District Environmental Health Officer (EHO).

Date: December 1, 2010

Environmental Health Officer

Youbou Water System

Facility Information

Location 175 Ingram Street Duncan Type 301 - 10,0000 Connections

Facility Sampling History

racinity sampling misic	_		
Location S12 9696 Creekside Road	Date 19-Dec-2023	Total Coliform	E. Coli/Enterococci
S7 Arnold Road PRV/Booster Station	19-Dec-2023	LT1	LT1
S14 9314 Creekside Drive	11-Dec-2023	LT1	LT1
S15 Youbou Reservoir	11-Dec-2023	LT1	LT1
S3 Intersection of Coon Creek and Willow Road	11-Dec-2023	LT1	LT1
S1 10705 Youbou Road	05-Dec-2023	LT1	LT1
S12 9696 Creekside Road	05-Dec-2023	LT1	LT1
S5 8131 SaSeenOs Road	05-Dec-2023	LT1	LT1
S14 9314 Creekside Drive	27-Nov-2023	LT1	LT1
S3 Intersection of Coon Creek and Willow Road	27-Nov-2023	LT1	LT1
S1 10705 Youbou Road	22-Nov-2023	LT1	LT1
S12 9696 Creekside Road	22-Nov-2023	LT1	LT1
S14 9314 Creekside Drive	15-Nov-2023	LT1	LT1
S7 Arnold Road PRV/Booster Station	15-Nov-2023	LT1	LT1
S12 9696 Creekside Road	06-Nov-2023	LT1	LT1
S15 Youbou Reservoir	06-Nov-2023	LT1	LT1
S5 8131 SaSeenOs Road	06-Nov-2023	LT1	LT1
S14 9314 Creekside Drive	31- Oct-2023	LT1	LT1
S3 Intersection of Coon Creek and Willow Road	31- Oct-2023	LT1	LT1
S1 10705 Youbou Road	24- Oct-2023	LT1	LT1
S12 9696 Creekside Road	24- Oct-2023	LT1	LT1
S14 9314 Creekside Drive	17- Oct-2023	LT1	LT1
S7 Arnold Road PRV/Booster Station	17- Oct-2023	LT1	LT1
S12 9696 Creekside Road	10- Oct-2023	LT1	LT1
S5 8131 SaSeenOs Road	10- Oct-2023	LT1	LT1
S14 9314 Creekside Drive	03- Oct-2023	LT1	LT1
S15 Youbou Reservoir	03- Oct-2023	LT1	LT1
S3 Intersection of Coon Creek and Willow Road	03- Oct-2023	LT1	LT1
S1 10705 Youbou Road	26-Sep-2023	LT1	LT1
S12 9696 Creekside Road	26-Sep-2023	LT1	LT1
Well 3 Creekside Drive,	26-Sep-2023	LT1	LT1
S14 9314 Creekside Drive	19-Sep-2023	LT1	LT1
S15 Youbou Reservoir	19-Sep-2023	LT1	LT1
S7 Arnold Road PRV/Booster Station	19-Sep-2023	LT1	LT1
S12 9696 Creekside Road	12-Sep-2023	LT1	LT1
S5 8131 SaSeenOs Road	12-Sep-2023	LT1	LT1
S14 9314 Creekside Drive	05-Sep-2023	LT1	LT1
S3 Intersection of Coon Creek and Willow Road	05-Sep-2023	LT1	LT1
S1 10705 Youbou Road	29-Aug-2023	LT1	LT1
S12 9696 Creekside Road	29-Aug-2023	LT1	LT1
S15 Youbou Reservoir	29-Aug-2023	LT1	LT1
S14 9314 Creekside Drive	21-Aug-2023	LT1	LT1
S5 8131 SaSeenOs Road	21-Aug-2023	LT1	LT1
S12 9696 Creekside Road	15-Aug-2023	LT1	LT1

Youbou Water System

Facility Information

Location 175 Ingram Street Duncan Type 301 - 10,0000 Connections

Facility Sampling History

Location S3 Intersection of Coon Creek and Willow Road	Date 15-Aug-2023	Total Coliform	E. Coli/Enterococci
S14 9314 Creekside Drive	09-Aug-2023	LT1	LT1
S7 Arnold Road PRV/Booster Station	09-Aug-2023	LT1	LT1
S1 10705 Youbou Road	31-Jul-2023	LT1	LT1
S12 9696 Creekside Road	31-Jul-2023	LT1	LT1
S14 9314 Creekside Drive	24-Jul-2023	LT1	LT1
S15 Youbou Reservoir	24-Jul-2023	LT1	LT1
S5 8131 SaSeenOs Road	24-Jul-2023	LT1	LT1
S12 9696 Creekside Road	17-Jul-2023	LT1	LT1
S3 Intersection of Coon Creek and Willow Road	17-Jul-2023	LT1	LT1
S14 9314 Creekside Drive	10-Jul-2023	LT1	LT1
S7 Arnold Road PRV/Booster Station	10-Jul-2023	LT1	LT1
S1 10705 Youbou Road	05-Jul-2023	LT1	LT1
S12 9696 Creekside Road	05-Jul-2023	LT1	LT1
S14 9314 Creekside Drive	26-Jun-2023	LT1	LT1
S5 8131 SaSeenOs Road	26-Jun-2023	LT1	LT1
S12 9696 Creekside Road	19-Jun-2023	QRWRT	QRWRT
S15 Youbou Reservoir	19-Jun-2023	QRWRT	QRWRT
S3 Intersection of Coon Creek and Willow Road	19-Jun-2023	QRWRT	QRWRT
S1 10705 Youbou Road	13-Jun-2023	LT1	LT1
S14 9314 Creekside Drive	13-Jun-2023	LT1	LT1
S7 Arnold Road PRV/Booster Station	13-Jun-2023	LT1	LT1
S12 9696 Creekside Road	06-Jun-2023	QRWRT	QRWRT
S5 8131 SaSeenOs Road	06-Jun-2023	QRWRT	QRWRT
S14 9314 Creekside Drive	30-May-2023	LT1	LT1
S3 Intersection of Coon Creek and Willow Road	30-May-2023	LT1	LT1
S1 10705 Youbou Road	24-May-2023	LT1	LT1
S12 9696 Creekside Road	24-May-2023	LT1	LT1
S15 Youbou Reservoir	24-May-2023	LT1	LT1
Well 4 Youbou Water,	24-May-2023	LT1	LT1
S14 9314 Creekside Drive	16-May-2023	LT1	LT1
S7 Arnold Road PRV/Booster Station	16-May-2023	LT1	LT1
S12 9696 Creekside Road	08-May-2023	LT1	LT1
S5 8131 SaSeenOs Road	08-May-2023	LT1	LT1
S14 9314 Creekside Drive	02-May-2023	LT1	LT1
S3 Intersection of Coon Creek and Willow Road	02-May-2023	LT1	LT1
S1 10705 Youbou Road	24-Apr-2023	LT1	LT1
S12 9696 Creekside Road	24-Apr-2023	LT1	LT1
S15 Youbou Reservoir	24-Apr-2023	LT1	LT1
S14 9314 Creekside Drive	18-Apr-2023	LT1	LT1
S7 Arnold Road PRV/Booster Station	18-Apr-2023	LT1	LT1
S12 9696 Creekside Road	11-Apr-2023	LT1	LT1
S5 8131 SaSeenOs Road	11-Apr-2023	LT1	LT1
S14 9314 Creekside Drive	04-Apr-2023	LT1	LT1

Youbou Water System

Facility Information

Location175 Ingram Street DuncanType301 - 10,0000 Connections

Facility Sampling History

Location	Date	Total Coliform	E. Coli/Enterococci
S3 Intersection of Coon Creek and Willow Road	04-Apr-2023	LT1	LT1
S1 10705 Youbou Road	28-Mar-2023	QRWRT	QRWRT
S12 9696 Creekside Road	28-Mar-2023	QRWRT	QRWRT
S15 Youbou Reservoir	28-Mar-2023	QRWRT	QRWRT
S14 9314 Creekside Drive	20-Mar-2023	LT1	LT1
S3 Intersection of Coon Creek and Willow Road	20-Mar-2023	LT1	LT1
S12 9696 Creekside Road	13-Mar-2023	LT1	LT1
S5 8131 SaSeenOs Road	13-Mar-2023	LT1	LT1
S1 10705 Youbou Road	06-Mar-2023	LT1	LT1
S14 9314 Creekside Drive	06-Mar-2023	LT1	LT1
S12 9696 Creekside Road	01-Mar-2023	LT1	LT1
S7 Arnold Road PRV/Booster Station	01-Mar-2023	LT1	LT1
S12 9696 Creekside Road	27-Feb-2023	QRWRT	QRWRT
S7 Arnold Road PRV/Booster Station	27-Feb-2023	QRWRT	QRWRT
S12 9696 Creekside Road	14-Feb-2023	LT1	LT1
S5 8131 SaSeenOs Road	14-Feb-2023	LT1	LT1
S14 9314 Creekside Drive	06-Feb-2023	LT1	LT1
S15 Youbou Reservoir	06-Feb-2023	LT1	LT1
S3 Intersection of Coon Creek and Willow Road	06-Feb-2023	LT1	LT1
S1 10705 Youbou Road	30-Jan-2023	LT1	LT1
S12 9696 Creekside Road	30-Jan-2023	LT1	LT1
Well 3 Creekside Drive,	30-Jan-2023	LT1	LT1
S14 9314 Creekside Drive	23-Jan-2023	LT1	LT1
S7 Arnold Road PRV/Booster Station	23-Jan-2023	LT1	LT1
S12 9696 Creekside Road	16-Jan-2023	LT1	LT1
S5 8131 SaSeenOs Road	16-Jan-2023	LT1	LT1
S14 9314 Creekside Drive	09-Jan-2023	LT1	LT1
S3 Intersection of Coon Creek and Willow Road	09-Jan-2023	LT1	LT1
S1 10705 Youbou Road	04-Jan-2023	LT1	LT1
S12 9696 Creekside Road	04-Jan-2023	LT1	LT1
S15 Youbou Reservoir	04-Jan-2023	LT1	LT1

YOUBOU WATER SYSTEM

DISTRIBUTION - S8

				S8 8242 Price
			Sample ID	Road (WTX
				27AF4)
			Sampling Date	03/07/23
			Sampling Time	08:20 AM
Parameter Name	MAC	AO	Units	Result
Nitrite (N)	1		mg/L	<0.0050
Nitrate (N)	10		mg/L	<0.020
Conductivity			uS/cm	72
рН			рН	7.4
Total Dissolved Solids		500	mg/L	40
Alkalinity (PP as CaCO3)			mg/L	<1.0
Alkalinity (Total as CaCO3)			mg/L	35
Bicarbonate (HCO3)			mg/L	42
Carbonate (CO3)			mg/L	<1.0
Hydroxide (OH)			mg/L	<1.0
Chloride (CI)		250	mg/L	1.3
Sulphate (SO4)		500	mg/L	1.8
True Colour		15	Col. Unit	14.2
Nitrate plus Nitrite (N)			mg/L	<0.020
Langelier Index (@ 20C)			N/A	-0.636
Langelier Index (@ 4C)			N/A	-0.956
Saturation pH (@ 20C)			N/A	8.97
Saturation pH (@ 4C)			N/A	9.29
Dissolved Fluoride (F)	1.5		mg/L	<0.050
Tannins and Lignins			mg/L	<0.2
Turbidity	see remark	see remark	NTU	<0.10
Total Hardness (CaCO3)			mg/L	30.4
Total Aluminum (Al)	2900		ug/L	<3.0
Total Antimony (Sb)	6		ug/L	<0.50
Total Arsenic (As)	10		ug/L	0.2
Total Barium (Ba)	2000		ug/L	13
Total Beryllium (Be)			ug/L	<0.10
Total Bismuth (Bi)			ug/L	<1.0
Total Boron (B)	5000		ug/L	<50
Total Cadmium (Cd)	7		ug/L	<0.010
Total Chromium (Cr)	50		ug/L	<1.0
Total Cobalt (Co)			ug/L	<0.20
Total Copper (Cu)	2000	1000	ug/L	6.42
Total Iron (Fe)		300	ug/L	<5.0
Total Lead (Pb)	5		ug/L	<0.20
Total Manganese (Mn)	120	20	ug/L	<1.0
Total Molybdenum (Mo)			ug/L	<1.0

YOUBOU WATER SYSTEM

DISTRIBUTION - S8

				S8 8242 Price
			Sample ID	Road (WTX
			,	27AF4)
			Sampling Date	03/07/23
			Sampling Time	08:20 AM
Parameter Name	MAC	AO	Units	Result
Total Nickel (Ni)			ug/L	<1.0
Total Selenium (Se)	50		ug/L	<0.10
Total Silicon (Si)			ug/L	2140
Total Silver (Ag)			ug/L	<0.020
Total Strontium (Sr)	7000		ug/L	24.6
Total Thallium (TI)			ug/L	<0.010
Total Tin (Sn)			ug/L	<5.0
Total Titanium (Ti)			ug/L	<5.0
Total Uranium (U)	20		ug/L	<0.10
Total Vanadium (V)			ug/L	<5.0
Total Zinc (Zn)		5000	ug/L	<5.0
Total Zirconium (Zr)			ug/L	<0.10
Total Calcium (Ca)			mg/L	11
Total Magnesium (Mg)			mg/L	0.699
Total Potassium (K)			mg/L	0.139
Total Sodium (Na)		200	mg/L	1.92
Total Sulphur (S)			mg/L	<3.0
Total Mercury (Hg)	1		ug/L	<0.0019
Total Total Kjeldahl Nitrogen (Calc)			mg/L	0.025
Total Organic Carbon (C)			mg/L	<0.50
Total Nitrogen (N)			mg/L	0.025
Total Ammonia (N)			mg/L	<0.015
Sulphide (as H2S)		0.05	mg/L	<0.0020
Total Sulphide		0.05	mg/L	<0.0018
Total Coliforms	0		CFU/100mL	0
E. coli	0		CFU/100mL	0
Heterotrophic Plate Count			CFU/mL	<1.0
Fecal Coliforms			CFU/100mL	0
Non-Coliform (Background)			CFU/100mL	<1
Iron Bacteria			CFU/mL	<25
Sulphate reducing bacteria			CFU/mL	<75
Total Trihalomethanes	100		ug/L	6.7
Bromodichloromethane			ug/L	1.2
Bromoform			ug/L	<1.0
Dibromochloromethane			ug/L	<1.0
Chloroform			ug/L	5.6
Dalapon			ug/L	<5.0

YOUBOU WATER SYSTEM

DISTRIBUTION - S8

				S8 8242 Price
			Sample ID	Road (WTX
				27AF4)
			Sampling Date	03/07/23
			Sampling Time	08:20 AM
Parameter Name	MAC	AO	Units	Result
Monochloroacetic Acid			ug/L	<5.0
Monobromoacetic Acid			ug/L	<5.0
Dichloroacetic Acid			ug/L	<5.0
Trichloroacetic Acid			ug/L	<5.0
Bromochloroacetic Acid			ug/L	<5.0
Dibromoacetic Acid			ug/L	<5.0
Total Haloacetic Acids	80		ug/L	<5.0