

DRINKING WATER SYSTEM ANNUAL REPORT			
Reporting Period:	January 1 st to Decem	nber 31 st , (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 Prime	ary Disinfection?	Yes	□No
Chlorination Ultraviolet Light	Ozone	Other	
If other, specify details:			
Does the Drinking Water System have Secon	ndary Disinfection?	Yes	□No
Chlorination Other			
If other, specify details:			
Does the Drinking Water System have Filtra	ition?	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 (E			
Is your ERCP up to Date?	Yes	∐No	
How do you Inform the System Users of the	_		
☐ Hand Delivered ☐ Bulletin Board	Newspaper	Utility Bill Insert	Website
Other (specify details) CVRD Operation	Department, 175 Ing	gram Street, Duncan,	ВС
Drinking Water System Annual Report	A		
How do you Inform the System Users of the			
Hand Delivered Bulletin Board	Newspaper	Utility Bill Insert	Website
Other (specify details)			



	RMIT		
List the conditions of your Ope	erating Permit (Contact the DWO for a copy	y if needed):	
Are you in compliance with yo	ur Operating Permit?	es	No
BACTERIOLOGICAL TESTING AND DE	RINKING WATER PROTECTION REGULATION WATER	R QUALITY STA	NDARDS
How many bacteriological san	nples were collected during this reporting p	period?	
What is the minimum required	d sampling frequency for this system? (#sai	mples/month	n)
Additional sampling details:			
Was the minimum required sa	mpling frequency achieved?	es	No
Comments:			
Bacteriological summary attac	ched to this report?	es	No
If no, how do the users of the s			
ij no, now do the dsers of the s	system view the results:		
Water Quality Standards for I	POTABLE WATER		
Water Quality Standards for I	POTABLE WATER Standard:	Did this sy	ystem meet standard?
Parameter: Escherichia coli (for all samples)		Did this sy	ystem meet standard?
Parameter: Escherichia coli	Standard:		
Parameter: Escherichia coli (for all samples) Total Coliform Bacteria (if only 1 sample collected in a 30 day period) Total Coliform Bacteria	Standard: No detectable Escherichia coli per 100ml No detectable total coliform bacteria per 100ml No more than 10% of samples contain total	☐Yes ☐Yes	□No
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	Standard: No detectable Escherichia coli per 100ml No detectable total coliform bacteria per 100ml	Yes	□No
Parameter: Escherichia coli (for all samples) Total Coliform Bacteria (if only 1 sample collected in a 30 day period) Total Coliform Bacteria	Standard: No detectable Escherichia coli per 100ml No detectable total coliform bacteria per 100ml No more than 10% of samples contain total coliform bacteria, and No sample has more than	☐Yes ☐Yes	□No
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	Standard: No detectable Escherichia coli per 100ml No detectable total coliform bacteria per 100ml No more than 10% of samples contain total coliform bacteria, and No sample has more than 10 total coliform bacteria per 100ml Tof above Drinking Water Protection Regul	☐Yes ☐Yes ☐Yes	□No □No □No
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	Standard: No detectable Escherichia coli per 100ml No detectable total coliform bacteria per 100ml No more than 10% of samples contain total coliform bacteria, and No sample has more than 10 total coliform bacteria per 100ml Tof above Drinking Water Protection Regul	☐Yes ☐Yes ☐Yes	□No □No □No
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CHEMICAL SAMI	PLING COMPLETED [OURING THIS REPO	ORTING PERIOD					
Was any cher	nical sampling co	onducted durin	g reporting period	?	Yes No			
If no, when w	ere the last chen	nical samples c	onducted for this s	ystem? (date)	☐Don't know			
If yes, attach	a list of the chen	nical results						
	amples did not r w; attach additi		-	Drinking Water C	Quality, record the results in			
Next scheduled full chemical test (date)								
Parameter	Result	Corrective A	ction / Treatment ,	/ Comments				
Additional Te	STING							
Does the syst	em have analyze	rs for continuo	us monitoring?	Yes	□No			
If yes, check o	ll boxes that app	oly:						
Chlorine	☐Turb	idity	Other (details)					
Are the result	s available on re	quest?	UV Intensity Al	arm				
If any additionsheets if nece	_	mpling was con	nducted, record res	ults in the table b	elow; attach additional			
Additional Te	sting & Reason f	or Sampling	Corrective Actio	n Taken				
WATER QUALIT	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 A	ction / Treatmen				



OPERATIONAL PROBLEMS							
Were there any operational p	_			Π.,			
period? (e.g. insufficient wate disinfection equipment, line b		-	Yes	∐No			
if yes, complete the table belo	If yes, complete the table below; attach additional sheets if necessary.						
Incident Date Type of Opera	ational 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 belo	ow; attach additiona	I sheets if n	ecessary.				
Future Upgrades or Improvem	nents			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

Location S14 9314 Creekside Drive	Date 17-Dec-2024	Total Coliform	E. Coli/Enterococci
S3 Intersection of Coon Creek and Willow Road	17-Dec-2024	LT1	LT1
S5 8131 SaSeenOs Road	17-Dec-2024	LT1	LT1
S1 10705 Youbou Road	10-Dec-2024	LT1	LT1
S12 9696 Creekside Road	10-Dec-2024	LT1	LT1
S15 Youbou Reservoir	10-Dec-2024	LT1	LT1
S14 9314 Creekside Drive	02-Dec-2024	LT1	LT1
S7 Arnold Road PRV/Booster Station	02-Dec-2024	LT1	LT1
S12 9696 Creekside Road	25-Nov-2024	LT1	LT1
S3 Intersection of Coon Creek and Willow Road	25-Nov-2024	LT1	LT1
S5 8131 SaSeenOs Road	25-Nov-2024	LT1	LT1
S1 10705 Youbou Road	18-Nov-2024	LT1	LT1
S14 9314 Creekside Drive	18-Nov-2024	LT1	LT1
S15 Youbou Reservoir	18-Nov-2024	LT1	LT1
S1 10705 Youbou Road	13-Nov-2024	LT1	LT1
S12 9696 Creekside Road	13-Nov-2024	LT1	LT1
S15 Youbou Reservoir	13-Nov-2024	LT1	LT1
S14 9314 Creekside Drive	04-Nov-2024	LT1	LT1
S7 Arnold Road PRV/Booster Station	04-Nov-2024	LT1	LT1
S12 9696 Creekside Road	29-Oct-2024	LT1	LT1
S14 9314 Creekside Drive	23-Oct-2024	LT1	LT1
S3 Intersection of Coon Creek and Willow Road	23-Oct-2024	LT1	LT1
S5 8131 SaSeenOs Road	23-Oct-2024	LT1	LT1
S12 9696 Creekside Road	15-Oct-2024	LT1	LT1
S1 10705 Youbou Road	07-Oct-2024	LT1	LT1
S14 9314 Creekside Drive	07-Oct-2024	LT1	LT1
S15 Youbou Reservoir	07-Oct-2024	LT1	LT1
S12 9696 Creekside Road	01-Oct-2024	LT1	LT1
S7 Arnold Road PRV/Booster Station	01-Oct-2024	LT1	LT1
S14 9314 Creekside Drive	24-Sep-2024	LT1	LT1
S3 Intersection of Coon Creek and Willow Road	24-Sep-2024	LT1	LT1
S5 8131 SaSeenOs Road	24-Sep-2024	LT1	LT1
S12 9696 Creekside Road	16-Sep-2024	LT1	LT1
S1 10705 Youbou Road	10-Sep-2024	LT1	LT1
S14 9314 Creekside Drive	10-Sep-2024	LT1	LT1
S15 Youbou Reservoir	10-Sep-2024	LT1	LT1
Well 3 Creekside	10-Sep-2024	LT1	LT1
S12 9696 Creekside Road	04-Sep-2024	LT1	LT1
S7 Arnold Road PRV/Booster Station	04-Sep-2024	LT1	LT1
S14 9314 Creekside Drive	27-Aug-2024	LT1	LT1
S3 Intersection of Coon Creek and Willow Road	27-Aug-2024	LT1	LT1
S5 8131 SaSeenOs Road	27-Aug-2024	LT1	LT1

Youbou Water System

Facility Information

Location175 Ingram Street DuncanType301 - 10,0000 Connections

Facility Sampling History

Date 20-Aug-2024	Total Coliform	E. Coli/Enterococci
12-Aug-2024	LT1	LT1
12-Aug-2024	LT1	LT1
12-Aug-2024	LT1	LT1
06-Aug-2024	LT1	LT1
06-Aug-2024	LT1	LT1
29-Jul-2024	LT1	LT1
22-Jul-2024	LT1	LT1
22-Jul-2024	LT1	LT1
22-Jul-2024	LT1	LT1
16-Jul-2024	LT1	LT1
09-Jul-2024	LT1	LT1
09-Jul-2024	LT1	LT1
09-Jul-2024	LT1	LT1
02-Jul-2024	LT1	LT1
02-Jul-2024	LT1	LT1
25-Jun-2024	LT1	LT1
25-Jun-2024	LT1	LT1
25-Jun-2024	LT1	LT1
18-Jun-2024	LT1	LT1
10-Jun-2024	LT1	LT1
10-Jun-2024	LT1	LT1
10-Jun-2024	LT1	LT1
04-Jun-2024	LT1	LT1
04-Jun-2024	LT1	LT1
28-May-2024	LT1	LT1
28-May-2024	LT1	LT1
28-May-2024	LT1	LT1
21-May-2024	LT1	LT1
21-May-2024	LT1	LT1
14-May-2024	LT1	LT1
14-May-2024	LT1	LT1
14-May-2024	LT1	LT1
07-May-2024	LT1	LT1
07-May-2024	LT1	LT1
29-Apr-2024	LT1	LT1
23-Apr-2024	LT1	LT1
23-Apr-2024	LT1	LT1
23-Apr-2024	LT1	LT1
15-Apr-2024	LT1	LT1
09-Apr-2024	LT1	LT1
09-Apr-2024	LT1	LT1
09-Apr-2024	LT1	LT1
	Date 20-Aug-2024 12-Aug-2024 12-Aug-2024 12-Aug-2024 06-Aug-2024 06-Aug-2024 29-Jul-2024 22-Jul-2024 22-Jul-2024 16-Jul-2024 09-Jul-2024 09-Jul-2024 09-Jul-2024 25-Jun-2024 25-Jun-2024 25-Jun-2024 10-Jun-2024 10-Jun-2024 10-Jun-2024 10-Jun-2024 28-May-2024 28-May-2024 28-May-2024 21-May-2024 14-May-2024 14-May-2024 14-May-2024 14-May-2024 14-May-2024 23-Apr-2024 23-Apr-2024 23-Apr-2024 09-Apr-2024 09-Apr-2024	Date Total Coliform 20-Aug-2024 LT1 12-Aug-2024 LT1 12-Aug-2024 LT1 12-Aug-2024 LT1 06-Aug-2024 LT1 06-Aug-2024 LT1 29-Jul-2024 LT1 22-Jul-2024 LT1 22-Jul-2024 LT1 22-Jul-2024 LT1 09-Jul-2024 LT1 09-Jul-2024 LT1 09-Jul-2024 LT1 02-Jul-2024 LT1 02-Jul-2024 LT1 02-Jul-2024 LT1 02-Jul-2024 LT1 02-Jul-2024 LT1 25-Jun-2024 LT1 15-Jun-2024 LT1 10-Jun-2024 LT1 10-Jun-2024 LT1 10-Jun-2024 LT1 10-Jun-2024 LT1 04-Jun-2024 LT1 28-May-2024 LT1 28-May-2024 LT1 21-May-2024 LT1 21-May-2024

Youbou Water System

Facility Information

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

Facility Sampling History

Location S12 9696 Creekside Road	Date 02-Apr-2024	Total Coliform	E. Coli/Enterococci
S7 Arnold Road PRV/Booster Station	02-Apr-2024	LT1	LT1
S14 9314 Creekside Drive	26-Mar-2024	LT1	LT1
S3 Intersection of Coon Creek and Willow Road	26-Mar-2024	LT1	LT1
S5 8131 SaSeenOs Road	26-Mar-2024	LT1	LT1
S12 9696 Creekside Road	19-Mar-2024	LT1	LT1
S12 9696 Creekside Road	12-Mar-2024	LT1	LT1
S7 Arnold Road PRV/Booster Station	12-Mar-2024	LT1	LT1
S14 9314 Creekside Drive	27-Feb-2024	LT1	LT1
S3 Intersection of Coon Creek and Willow Road	27-Feb-2024	LT1	LT1
S5 8131 SaSeenOs Road	27-Feb-2024	LT1	LT1
S12 9696 Creekside Road	20-Feb-2024	LT1	LT1
S1 10705 Youbou Road	12-Feb-2024	LT1	LT1
S14 9314 Creekside Drive	12-Feb-2024	LT1	LT1
S15 Youbou Reservoir	12-Feb-2024	LT1	LT1
Well 3 Creekside	12-Feb-2024	LT1	LT1
S12 9696 Creekside Road	06-Feb-2024	LT1	LT1
S7 Arnold Road PRV/Booster Station	06-Feb-2024	LT1	LT1
S14 9314 Creekside Drive	29-Jan-2024	LT1	LT1
S12 9696 Creekside Road	22-Jan-2024	LT1	LT1
S3 Intersection of Coon Creek and Willow Road	22-Jan-2024	LT1	LT1
S5 8131 SaSeenOs Road	22-Jan-2024	LT1	LT1
S14 9314 Creekside Drive	16-Jan-2024	LT1	LT1
Well 4 Youbou	16-Jan-2024	LT1	LT1
S1 10705 Youbou Road	09-Jan-2024	LT1	LT1
S12 9696 Creekside Road	09-Jan-2024	LT1	LT1
S15 Youbou Reservoir	09-Jan-2024	LT1	LT1
S14 9314 Creekside Drive	02-Jan-2024	LT1	LT1
S7 Arnold Road PRV/Booster Station	02-Jan-2024	LT1	LT1

			Sample ID	S5-8131 SA- SEEN-OS RD (WTX 27AF3)	WELL 3 (LAKESIDE) (WTX 27AF0)	WELL 4 (WTX 40CC7)
			Sampling Date	03/15/24	09/26/24	09/26/24
			Sampling Time	8:23 AM	11:35 AM	12:20 PM
Parameter Name	MAC	AO	Units	Result	Result2	Result3
Non-Coliform (Background)			CFU/100mL	<1	<1	<1
Fecal Coliforms			CFU/100mL	0	<1	<1
Heterotrophic Plate Count			CFU/mL	<1.0	3	<1
Total Coliforms	0		CFU/100mL	0	0	0
E. coli	0		CFU/100mL	0	0	0
Iron Bacteria			CFU/mL	<25	<25	<25
Sulphate reducing bacteria			CFU/mL	<75	<75	<75
Nitrite (N)	1		mg/L	<0.0050	<0.0050	<0.0050
Nitrate (N)	10		mg/L	<0.020	0.087	0.064
Conductivity			uS/cm	71	83	78
рН			рН	6.96	7.63	6.69
Total Dissolved Solids		500	mg/L	58	58	38
Alkalinity (PP as CaCO3)			mg/L	<1.0	<1.0	<1.0
Alkalinity (Total as CaCO3)			mg/L	29	39	35
Bicarbonate (HCO3)			mg/L	35	47	43
Carbonate (CO3)			mg/L	<1.0	<1.0	<1.0
Hydroxide (OH)			mg/L	<1.0	<1.0	<1.0
Chloride (Cl)		250	mg/L	1.3	<1.0	<1.0
Sulphate (SO4)		500	mg/L	1.9	1.7	1.8
True Colour		15	Col. Unit	<2.0	2.3	<2.0
Nitrate plus Nitrite (N)			mg/L	<0.020	0.087	0.064
Langelier Index (@ 20C)			N/A	-1.87	-0.969	-2.01
Langelier Index (@ 4C)			N/A	-2.12	-1.22	-2.27
Saturation pH (@ 20C)			N/A	8.82	8.6	8.71
Saturation pH (@ 4C)			N/A	9.08	8.85	8.96

			Sample ID	S5-8131 SA- SEEN-OS RD (WTX 27AF3)	WELL 3 (LAKESIDE) (WTX 27AF0)	WELL 4 (WTX 40CC7)
			Sampling Date	03/15/24	09/26/24	09/26/24
			Sampling Time	8:23 AM	11:35 AM	12:20 PM
Parameter Name	MAC	AO	Units	Result	Result2	Result3
Dissolved Fluoride (F)	1.5		mg/L	<0.050	<0.050	<0.050
Turbidity	see remark	see remark	NTU	<0.10	0.2	0.33
Tannins and Lignins			mg/L	<0.2	<0.2	<0.2
Total Hardness (CaCO3)			mg/L	30.1	37.1	30.4
Total Aluminum (Al)	2900		ug/L	4.4	<3.0	3.1
Total Antimony (Sb)	6		ug/L	<0.50	<0.50	<0.50
Total Arsenic (As)	10		ug/L	0.2	0.17	0.27
Total Barium (Ba)	2000		ug/L	12.8	16.4	15.9
Total Beryllium (Be)			ug/L	<0.10	<0.10	<0.10
Total Bismuth (Bi)			ug/L	<1.0	<1.0	<1.0
Total Boron (B)	5000		ug/L	51	<50	<50
Total Cadmium (Cd)	7		ug/L	<0.010	<0.010	<0.010
Total Chromium (Cr)	50		ug/L	<1.0	<1.0	<1.0
Total Cobalt (Co)			ug/L	<0.20	<0.20	<0.20
Total Copper (Cu)	2000	1000	ug/L	12.5	0.92	0.87
Total Iron (Fe)		300	ug/L	5.3	<5.0	7.5
Total Lead (Pb)	5		ug/L	0.8	<0.20	<0.20
Total Manganese (Mn)	120	20	ug/L	<1.0	<1.0	1.5
Total Molybdenum (Mo)			ug/L	<1.0	<1.0	<1.0
Total Nickel (Ni)			ug/L	<1.0	<1.0	<1.0
Total Selenium (Se)	50		ug/L	<0.10	<0.10	<0.10
Total Silicon (Si)			ug/L	2160	2270	2650
Total Silver (Ag)			ug/L	<0.020	<0.020	<0.020
Total Strontium (Sr)	7000		ug/L	23.6	28.4	24.2
Total Thallium (TI)			ug/L	<0.010	<0.010	<0.010

			Sample ID	S5-8131 SA- SEEN-OS RD (WTX 27AF3)	WELL 3 (LAKESIDE) (WTX 27AF0)	WELL 4 (WTX 40CC7)
			Sampling Date	03/15/24	09/26/24	09/26/24
			Sampling Time	8:23 AM	11:35 AM	12:20 PM
Parameter Name	MAC	AO	Units	Result	Result2	Result3
Total Tin (Sn)			ug/L	<5.0	<5.0	<5.0
Total Titanium (Ti)			ug/L	<5.0	<5.0	<5.0
Total Uranium (U)	20		ug/L	<0.10	<0.10	<0.10
Total Vanadium (V)			ug/L	<5.0	<5.0	<5.0
Total Zinc (Zn)		5000	ug/L	6.9	<5.0	<5.0
Total Zirconium (Zr)			ug/L	<0.10	<0.10	<0.10
Total Calcium (Ca)			mg/L	10.9	13.4	11
Total Magnesium (Mg)			mg/L	0.706	0.866	0.693
Total Potassium (K)			mg/L	0.151	0.17	0.227
Total Sodium (Na)		200	mg/L	2.02	1.37	1.54
Total Sulphur (S)			mg/L	<3.0	<3.0	<3.0
Total Mercury (Hg)	1		ug/L	<0.030	<0.0019	<0.0019
Sulphide (as H2S)		0.05	mg/L	<0.0020	<0.0020	<0.0020
Total Sulphide		0.05	mg/L	<0.0018	<0.0018	<0.0018
Total Total Kjeldahl Nitrogen (Calc)			mg/L	<0.020	0.043	<0.020
Total Organic Carbon (C)			mg/L	0.51	<0.50	<0.50
Total Nitrogen (N)			mg/L	<0.020	0.131	0.077
Total Ammonia (N)			mg/L	<0.015	<0.015	<0.015
Total Trihalomethanes	100		ug/L	10		
Bromodichloromethane			ug/L	1.5		
Bromoform			ug/L	<1.0		
Dibromochloromethane			ug/L	<1.0		
Chloroform			ug/L	8.6		
Dalapon			ug/L	<5.0		
Monochloroacetic Acid			ug/L	<5.0		

			Sample ID	S5-8131 SA- SEEN-OS RD (WTX 27AF3)	WELL 3 (LAKESIDE) (WTX 27AF0)	WELL 4 (WTX 40CC7)
			Sampling Date	03/15/24	09/26/24	09/26/24
			Sampling Time	8:23 AM	11:35 AM	12:20 PM
Parameter Name	MAC	AO	Units	Result	Result2	Result3
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		