



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) Radio, Social Media

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. New system commissioned in 2021

Future Upgrades or Improvements	Estimated Date of Completion

<p>Click here to enter a date. DATE COMPLETED:</p>	<p>COMPLETED BY:</p>
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SHELLWOOD WATER SYSTEM

Facility Information

Location 175 Ingram Street Duncan

Type 15 - 300 Connections

Facility Sampling History

Location	Date	Total Coliform	E. Coli/Enterococci
Shellwood 2 4301 Entrance Ave	10-Dec-2024	LT1	LT1
Shellwood 1 at 4280 Shell Beach Road	02-Dec-2024	LT1	LT1
Shellwood Water System AUDIT	26-Nov-2024	LT1	LT1
Shellwood 2 4301 Entrance Ave	25-Nov-2024	LT1	LT1
Shellwood 1 at 4280 Shell Beach Road	18-Nov-2024	LT1	LT1
Shellwood 2 4301 Entrance Ave	13-Nov-2024	LT1	LT1
Shellwood 1 at 4280 Shell Beach Road	04-Nov-2024	LT1	LT1
Shellwood 2 4301 Entrance Ave	29-Oct-2024	LT1	LT1
Shellwood 1 at 4280 Shell Beach Road	22-Oct-2024	LT1	LT1
Shellwood 2 4301 Entrance Ave	15-Oct-2024	LT1	LT1
Shellwood 1 at 4280 Shell Beach Road	07-Oct-2024	LT1	LT1
Shellwood 2 4301 Entrance Ave	01-Oct-2024	LT1	LT1
Shellwood 1 at 4280 Shell Beach Road	24-Sep-2024	LT1	LT1
Shellwood 2 4301 Entrance Ave	16-Sep-2024	LT1	LT1
Shellwood 1 at 4280 Shell Beach Road	10-Sep-2024	LT1	LT1
Shellwood 1 at 4280 Shell Beach Road	04-Sep-2024	LT1	LT1
Shellwood 1 at 4280 Shell Beach Road	27-Aug-2024	LT1	LT1
Shellwood 2 4301 Entrance Ave	21-Aug-2024	LT1	LT1
Shellwood 1 at 4280 Shell Beach Road	14-Aug-2024	LT1	LT1
Shellwood 2 4301 Entrance Ave	06-Aug-2024	LT1	LT1
Shellwood 1 at 4280 Shell Beach Road	29-Jul-2024	LT1	LT1
Shellwood 2 4301 Entrance Ave	22-Jul-2024	LT1	LT1
Shellwood 1 at 4280 Shell Beach Road	16-Jul-2024	LT1	LT1
Shellwood 2 4301 Entrance Ave	09-Jul-2024	LT1	LT1
Shellwood 1 at 4280 Shell Beach Road	02-Jul-2024	LT1	LT1
Shellwood 2 4301 Entrance Ave	25-Jun-2024	LT1	LT1
Shellwood 1 at 4280 Shell Beach Road	18-Jun-2024	LT1	LT1
Shellwood 2 4301 Entrance Ave	11-Jun-2024	LT1	LT1
Shellwood 1 at 4280 Shell Beach Road	04-Jun-2024	LT1	LT1
Shellwood 2 4301 Entrance Ave	28-May-2024	LT1	LT1
Shellwood 1 at 4280 Shell Beach Road	21-May-2024	LT1	LT1
Shellwood 2 4301 Entrance Ave	14-May-2024	LT1	LT1
Shellwood 1 at 4280 Shell Beach Road	07-May-2024	LT1	LT1
Shellwood 2 4301 Entrance Ave	29-Apr-2024	LT1	LT1
Shellwood 1 at 4280 Shell Beach Road	23-Apr-2024	LT1	LT1
Shellwood 2 4301 Entrance Ave	15-Apr-2024	LT1	LT1
Shellwood 1 at 4280 Shell Beach Road	09-Apr-2024	LT1	LT1
Shellwood 2 4301 Entrance Ave	03-Apr-2024	LT1	LT1
Shellwood 1 at 4280 Shell Beach Road	26-Mar-2024	LT1	LT1
Shellwood 2 4301 Entrance Ave	19-Mar-2024	LT1	LT1
Shellwood 2 4301 Entrance Ave	12-Mar-2024	LT1	LT1
Shellwood 1 at 4280 Shell Beach Road	27-Feb-2024	LT1	LT1
Shellwood 2 4301 Entrance Ave	20-Feb-2024	LT1	LT1
Shellwood 1 at 4280 Shell Beach Road	12-Feb-2024	LT1	LT1

SHELLWOOD WATER SYSTEM

Facility Information

Location 175 Ingram Street Duncan

Type 15 - 300 Connections

Facility Sampling History

Location	Date	Total Coliform	E. Coli/Enterococci
Shellwood 2 4301 Entrance Ave	06-Feb-2024	LT1	LT1
Shellwood 1 at 4280 Shell Beach Road	29-Jan-2024	LT1	LT1
Shellwood 2 4301 Entrance Ave	22-Jan-2024	LT1	LT1
Shellwood 1 at 4280 Shell Beach Road	16-Jan-2024	LT1	LT1
Shellwood 2 4301 Entrance Ave	09-Jan-2024	LT1	LT1
Shellwood 1 at 4280 Shell Beach Road	02-Jan-2024	LT1	LT1

SHELLWOOD WATER SYSTEM
SOURCE

			<i>Sample ID</i>	S3-WELL 1 AT 4275 SHELLBEACH RD (WTX 2CA98)
			<i>Sampling Date</i>	06-27-24
			<i>Sampling Time</i>	12:35 PM
<i>Parameter Name</i>	<i>MAC</i>	<i>AO</i>	<i>Units</i>	<i>Result</i>
Nitrite (N)	1		mg/L	<0.0050
Nitrate (N)	10		mg/L	<0.020
Conductivity			uS/cm	470
pH			pH	7.68
Total Dissolved Solids		500	mg/L	270
Alkalinity (PP as CaCO3)			mg/L	<1.0
Alkalinity (Total as CaCO3)			mg/L	130
Bicarbonate (HCO3)			mg/L	160
Carbonate (CO3)			mg/L	<1.0
Hydroxide (OH)			mg/L	<1.0
Chloride (Cl)		250	mg/L	31
Sulphate (SO4)		500	mg/L	47
True Colour		15	Col. Unit	2.1
Nitrate plus Nitrite (N)			mg/L	<0.020
Langelier Index (@ 20C)			N/A	-0.205
Langelier Index (@ 4C)			N/A	-0.454
Saturation pH (@ 20C)			N/A	7.89
Saturation pH (@ 4C)			N/A	8.14
Dissolved Fluoride (F)	1.5		mg/L	0.076
Tannins and Lignins			mg/L	<0.2
Turbidity	see remark	see remark	NTU	0.25
Total Hardness (CaCO3)			mg/L	92
Total Aluminum (Al)	2900		ug/L	<3.0
Total Antimony (Sb)	6		ug/L	<0.50
Total Arsenic (As)	10		ug/L	0.18
Total Barium (Ba)	2000		ug/L	8.9
Total Beryllium (Be)			ug/L	<0.10
Total Bismuth (Bi)			ug/L	<1.0
Total Boron (B)	5000		ug/L	78
Total Cadmium (Cd)	7		ug/L	0.014
Total Chromium (Cr)	50		ug/L	<1.0
Total Cobalt (Co)			ug/L	0.2
Total Copper (Cu)	2000	1000	ug/L	1090
Total Iron (Fe)		300	ug/L	11
Total Lead (Pb)	5		ug/L	1.03

SHELLWOOD WATER SYSTEM
SOURCE

			Sample ID	S3-WELL 1 AT 4275 SHELLBEACH RD (WTX 2CA98)
			Sampling Date	06-27-24
			Sampling Time	12:35 PM
Parameter Name	MAC	AO	Units	Result
Total Manganese (Mn)	120	20	ug/L	85.4
Total Molybdenum (Mo)			ug/L	<1.0
Total Nickel (Ni)			ug/L	3.2
Total Selenium (Se)	50		ug/L	0.14
Total Silicon (Si)			ug/L	9680
Total Silver (Ag)			ug/L	<0.020
Total Strontium (Sr)	7000		ug/L	259
Total Thallium (Tl)			ug/L	0.053
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	214
Total Zirconium (Zr)			ug/L	<0.10
Total Calcium (Ca)			mg/L	24.9
Total Magnesium (Mg)			mg/L	7.25
Total Potassium (K)			mg/L	0.756
Total Sodium (Na)		200	mg/L	50.6
Total Sulphur (S)			mg/L	16.4
Total Lithium (Li)			ug/L	13.3
Total Mercury (Hg)	1		ug/L	<0.0019
Total Total Kjeldahl Nitrogen (Calc)			mg/L	0.1
Total Organic Carbon (C)			mg/L	1.6
Total Nitrogen (N)			mg/L	0.103
Total Ammonia (N)			mg/L	0.026
Sulphide (as H2S)		0.05	mg/L	0.0027
Total Sulphide		0.05	mg/L	0.0025
Total Coliforms	0		CFU/100mL	0
E. coli	0		CFU/100mL	0
Heterotrophic Plate Count			CFU/mL	25000
Fecal Coliforms			CFU/100mL	<1
Non-Coliform (Background)			CFU/100mL	<1
Iron Bacteria			CFU/mL	25
Sulphate reducing bacteria			CFU/mL	<75