

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.

Future Upgrades or Improvements	Estimated Date of Completion

Click here to enter a date.

DATE COMPLETED:

COMPLETED BY:

WOODLEY RANGE WATER SYSTEM

Facility Information

Location 175 Ingram Street Duncan

Type 15 - 300 Connections

Facility Sampling History

Location	Date	Total Coliform	E. Coli/Enterococci
Woodley Site 1 4966 Aho Road	17-Dec-2024	LT1	LT1
Woodley Site 2 5120 Aho Road	17-Dec-2024	LT1	LT1
Woodley Site 4 Lot 53 Henry Roethel Road Lot	10-Dec-2024	LT1	LT1
Woodley Site 5 RAW Water Well 67 Aho Road	10-Dec-2024	ESTCT 300 ; ESTHCD	LT1
Woodley Site 3 4828 Judiths Run	02-Dec-2024	LT1	LT1
Woodley Site 2 5120 Aho Road	25-Nov-2024	LT1	LT1
Woodley Site 1 4966 Aho Road	18-Nov-2024	LT1	LT1
Woodley Site 4 Lot 53 Henry Roethel Road Lot	13-Nov-2024	LT1	LT1
Woodley Site 3 4828 Judiths Run	04-Nov-2024	LT1	LT1
Woodley Site 2 5120 Aho Road	29-Oct-2024	LT1	LT1
Woodley Site 1 4966 Aho Road	22-Oct-2024	LT1	LT1
Woodley Site 4 Lot 53 Henry Roethel Road Lot	15-Oct-2024	LT1	LT1
Woodley Site 3 4828 Judiths Run	07-Oct-2024	LT1	LT1
Woodley Site 2 5120 Aho Road	01-Oct-2024	LT1	LT1
Woodley Site 1 4966 Aho Road	24-Sep-2024	LT1	LT1
Woodley Site 6 RAW Water Well 26	24-Sep-2024	LT1	LT1
Woodley Site 4 Lot 53 Henry Roethel Road Lot	16-Sep-2024	LT1	LT1
Woodley Site 5 RAW Water Well 67 Aho Road	16-Sep-2024	44	LT1
Woodley Site 3 4828 Judiths Run	10-Sep-2024	LT1	LT1
Woodley Site 2 5120 Aho Road	04-Sep-2024	LT1	LT1
Woodley Site 1 4966 Aho Road	27-Aug-2024	LT1	LT1
Woodley Site 4 Lot 53 Henry Roethel Road Lot	21-Aug-2024	LT1	LT1
Woodley Site 3 4828 Judiths Run	14-Aug-2024	LT1	LT1
Woodley Site 2 5120 Aho Road	06-Aug-2024	LT1	LT1
Woodley Site 1 4966 Aho Road	29-Jul-2024	LT1	LT1
Woodley Site 4 Lot 53 Henry Roethel Road Lot	22-Jul-2024	LT1	LT1
Woodley Site 5 RAW Water Well 67 Aho Road	22-Jul-2024	OGCOL OGC	OGO OGC
Woodley Site 3 4828 Judiths Run	16-Jul-2024	LT1	LT1
Woodley Site 2 5120 Aho Road	09-Jul-2024	LT1	LT1
Woodley Site 1 4966 Aho Road	02-Jul-2024	LT1	LT1
Woodley Site 4 Lot 53 Henry Roethel Road Lot	25-Jun-2024	LT1	LT1
Woodley Site 5 RAW Water Well 67 Aho Road	25-Jun-2024	ESTCT 1300 ; ESTHCD	LT1
Woodley Site 3 4828 Judiths Run	18-Jun-2024	LT1	LT1
Woodley Site 2 5120 Aho Road	11-Jun-2024	LT1	LT1
Woodley Site 1 4966 Aho Road	04-Jun-2024	LT1	LT1
Woodley Site 4 Lot 53 Henry Roethel Road Lot	28-May-2024	LT1	LT1
Woodley Site 3 4828 Judiths Run	21-May-2024	LT1	LT1
Woodley Site 2 5120 Aho Road	14-May-2024	LT1	LT1
Woodley Site 1 4966 Aho Road	07-May-2024	LT1	LT1
Woodley Site 4 Lot 53 Henry Roethel Road Lot	29-Apr-2024	LT1	LT1
Woodley Site 3 4828 Judiths Run	23-Apr-2024	LT1	LT1
Woodley Site 2 5120 Aho Road	15-Apr-2024	LT1	LT1

WOODLEY RANGE WATER SYSTEM

Facility Information

Location 175 Ingram Street Duncan

Type 15 - 300 Connections

Facility Sampling History

Location	Date	Total Coliform	E. Coli/Enterococci
Woodley Site 1 4966 Aho Road	09-Apr-2024	LT1	LT1
Woodley Site 4 Lot 53 Henry Roethel Road Lot	03-Apr-2024	LT1	LT1
Woodley Site 5 RAW Water Well 67 Aho Road	03-Apr-2024	131.4	LT1
Woodley Site 3 4828 Judiths Run	26-Mar-2024	LT1	LT1
Woodley Site 2 5120 Aho Road	19-Mar-2024	LT1	LT1
Woodley Site 4 Lot 53 Henry Roethel Road Lot	12-Mar-2024	LT1	LT1
Woodley Site 3 4828 Judiths Run	27-Feb-2024	LT1	LT1
Woodley Site 2 5120 Aho Road	20-Feb-2024	LT1	LT1
Woodley Site 1 4966 Aho Road	12-Feb-2024	LT1	LT1
Woodley Site 4 Lot 53 Henry Roethel Road Lot	06-Feb-2024	LT1	LT1
Woodley Site 5 RAW Water Well 67 Aho Road	06-Feb-2024	29.2	LT1
Woodley Site 3 4828 Judiths Run	29-Jan-2024	LT1	LT1
Woodley Site 2 5120 Aho Road	22-Jan-2024	LT1	LT1
Woodley Site 1 4966 Aho Road	16-Jan-2024	LT1	LT1
Woodley Range Water - Audit Site	09-Jan-2024	LT1	LT1
Woodley Site 4 Lot 53 Henry Roethel Road Lot	09-Jan-2024	LT1	LT1
Woodley Site 5 RAW Water Well 67 Aho Road	09-Jan-2024	579.4	LT1
Woodley Site 3 4828 Judiths Run	02-Jan-2024	LT1	LT1

WOODLEY RANGE WATER SYSTEM

<i>Date</i>	<i>TC/100mL</i>	<i>E.Coli/100mL</i>	<i>Reason</i>	<i>Corrective Action</i>
January 9	579.4	LT1	Raw Water (well)	Distribution levels (same-day) LT1 Total Coliform
February 6	29.2	LT1	Raw Water (well)	Distribution levels (same-day) LT1 Total Coliform
April 3	131.4	LT1	Raw Water (well)	Distribution levels (same-day) LT1 Total Coliform
June 25	ESTCT 1300 ; ESTHCD	LT1	Raw Water (well)	Distribution levels (same-day) LT1 Total Coliform
July 22	OGCOL OGC	OGO OGC	Raw Water (well)	Distribution levels (same-day) LT1 Total Coliform & E.Coli
December 10	ESTCT 300 ; ESTHCD	LT1	Raw Water (well)	Distribution levels (same-day) LT1 Total Coliform

WOODLEY RANGE WATER SYSTEM

SOURCE - Wells 26, 49 and 67

DISTRIBUTION - S2

			<i>Sample ID</i>	WELL 26 MAGDALENA DR (WTX 32864)	WELL 49 AHO RD (WTX 32866)	WELL 67 HENRY ROETHL RD (WTX 32868)	S2 4828 JUDITH RUN (WTX 3252A)
			<i>Sampling Date</i>	06/27/24	06/27/24	06/27/24	06/27/24
			<i>Sampling Time</i>	1:10 PM	1:23 PM	1:40 PM	1:50 PM
<i>Parameter Name</i>	<i>MAC</i>	<i>AO</i>	<i>Units</i>	<i>Result</i>	<i>Result2</i>	<i>Result3</i>	<i>Result4</i>
Nitrite (N)	1		mg/L	<0.0050	<0.0050	<0.0050	<0.0050
Nitrate (N)	10		mg/L	<0.020	<0.020	<0.020	<0.020
Conductivity			uS/cm	610	610	360	610
pH			pH	8.21	8.25	8.18	8.2
Total Dissolved Solids		500	mg/L	370	360	190	360
Alkalinity (PP as CaCO3)			mg/L	<1.0	<1.0	<1.0	<1.0
Alkalinity (Total as CaCO3)			mg/L	210	210	130	200
Bicarbonate (HCO3)			mg/L	250	260	150	240
Carbonate (CO3)			mg/L	<1.0	<1.0	<1.0	<1.0
Hydroxide (OH)			mg/L	<1.0	<1.0	<1.0	<1.0
Chloride (Cl)		250	mg/L	3.5	3.6	28	11
Sulphate (SO4)		500	mg/L	81	82	7.6	78
True Colour		15	Col. Unit	<2.0	<2.0	<2.0	<2.0
Nitrate plus Nitrite (N)			mg/L	<0.020	<0.020	<0.020	<0.020
Langelier Index (@ 20C)			N/A	0.267	0.368	-0.237	0.256
Langelier Index (@ 4C)			N/A	0.021	0.122	-0.486	0.01
Saturation pH (@ 20C)			N/A	7.94	7.88	8.42	7.95
Saturation pH (@ 4C)			N/A	8.19	8.12	8.67	8.19
Dissolved Fluoride (F)	1.5		mg/L	0.21	0.22	1.4	0.29
Tannins and Lignins			mg/L	<0.2	<0.2	<0.2	<0.2
Turbidity	see remark	see remark	NTU	0.37	0.47	0.86	0.22
Total Hardness (CaCO3)			mg/L	40.5	46.6	21.3	42.2
Total Aluminum (Al)	2900		ug/L	37.3	8.9	49.6	4.1
Total Antimony (Sb)	6		ug/L	<0.50	<0.50	<0.50	<0.50
Total Arsenic (As)	10		ug/L	0.33	0.31	<0.10	0.18

WOODLEY RANGE WATER SYSTEM

SOURCE - Wells 26, 49 and 67

DISTRIBUTION - S2

			<i>Sample ID</i>	WELL 26 MAGDALENA DR (WTX 32864)	WELL 49 AHO RD (WTX 32866)	WELL 67 HENRY ROETHL RD (WTX 32868)	S2 4828 JUDITH RUN (WTX 3252A)
			<i>Sampling Date</i>	06/27/24	06/27/24	06/27/24	06/27/24
			<i>Sampling Time</i>	1:10 PM	1:23 PM	1:40 PM	1:50 PM
<i>Parameter Name</i>	<i>MAC</i>	<i>AO</i>	<i>Units</i>	<i>Result</i>	<i>Result2</i>	<i>Result3</i>	<i>Result4</i>
Total Barium (Ba)	2000		ug/L	33.9	39.6	10.8	33.9
Total Beryllium (Be)			ug/L	<0.10	<0.10	<0.10	<0.10
Total Bismuth (Bi)			ug/L	<1.0	<1.0	<1.0	<1.0
Total Boron (B)	5000		ug/L	175	190	553	217
Total Cadmium (Cd)	7		ug/L	<0.010	<0.010	<0.010	<0.010
Total Chromium (Cr)	50		ug/L	<1.0	<1.0	<1.0	<1.0
Total Cobalt (Co)			ug/L	<0.20	<0.20	<0.20	<0.20
Total Copper (Cu)	2000	1000	ug/L	0.54	<0.20	<0.50	26.1
Total Iron (Fe)		300	ug/L	75	36	36	13
Total Lead (Pb)	5		ug/L	<0.20	<0.20	<0.20	0.53
Total Manganese (Mn)	120	20	ug/L	40.6	46.3	46.1	9.9
Total Molybdenum (Mo)			ug/L	<1.0	<1.0	<1.0	<1.0
Total Nickel (Ni)			ug/L	<1.0	<1.0	<1.0	<1.0
Total Selenium (Se)	50		ug/L	<0.10	0.9	<0.10	<0.10
Total Silicon (Si)			ug/L	4980	5530	5800	5290
Total Silver (Ag)			ug/L	<0.020	<0.020	<0.020	<0.020
Total Strontium (Sr)	7000		ug/L	308	372	76.8	306
Total Thallium (Tl)			ug/L	<0.010	<0.010	<0.010	<0.010
Total Tin (Sn)			ug/L	<5.0	<5.0	<5.0	<5.0
Total Titanium (Ti)			ug/L	<5.0	<5.0	<5.0	<5.0
Total Uranium (U)	20		ug/L	<0.10	<0.10	<0.10	<0.10
Total Vanadium (V)			ug/L	<5.0	<5.0	<5.0	<5.0
Total Zinc (Zn)		5000	ug/L	12.3	5.7	<5.0	8.1
Total Zirconium (Zr)			ug/L	<0.10	<0.10	<0.10	<0.10
Total Calcium (Ca)			mg/L	15.3	17.6	7.41	15.9

WOODLEY RANGE WATER SYSTEM

SOURCE - Wells 26, 49 and 67

DISTRIBUTION - S2

			<i>Sample ID</i>	WELL 26 MAGDALENA DR (WTX 32864)	WELL 49 AHO RD (WTX 32866)	WELL 67 HENRY ROETHL RD (WTX 32868)	S2 4828 JUDITH RUN (WTX 3252A)
			<i>Sampling Date</i>	06/27/24	06/27/24	06/27/24	06/27/24
			<i>Sampling Time</i>	1:10 PM	1:23 PM	1:40 PM	1:50 PM
<i>Parameter Name</i>	<i>MAC</i>	<i>AO</i>	<i>Units</i>	<i>Result</i>	<i>Result2</i>	<i>Result3</i>	<i>Result4</i>
Total Magnesium (Mg)			mg/L	0.549	0.615	0.686	0.617
Total Potassium (K)			mg/L	0.279	0.321	0.101	0.317
Total Sodium (Na)		200	mg/L	102	119	59	98.9
Total Sulphur (S)			mg/L	24.5	35	<3.0	23.2
Total Mercury (Hg)	1		ug/L	<0.0019	<0.0019	<0.0019	<0.0019
Total Total Kjeldahl Nitrogen (Calc)			mg/L	0.13	0.12	0.084	0.05
Total Organic Carbon (C)			mg/L	0.89	0.98	0.75	1
Total Nitrogen (N)			mg/L	0.129	0.116	0.084	0.05
Total Ammonia (N)			mg/L	0.078	0.078	0.028	<0.015
Sulphide (as H2S)		0.05	mg/L	0.67	0.7	0.85	0.0027
Total Sulphide		0.05	mg/L	0.63	0.66	0.8	0.0025
Total Coliforms	0		CFU/100mL	0	0	25	0
E. coli	0		CFU/100mL	0	0	0	0
Heterotrophic Plate Count			CFU/mL	<1	30	17	2
Fecal Coliforms			CFU/100mL	<1	<1	<1	0
Non-Coliform (Background)			CFU/100mL	<1	<1	52	<1
Iron Bacteria			CFU/mL	<25	<25	25	<25
Sulphate reducing bacteria			CFU/mL	<75	<75	<75	<75
Total Trihalomethanes	100		ug/L				36
Bromodichloromethane			ug/L				8.6
Bromoform			ug/L				<1.0
Dibromochloromethane			ug/L				2.7
Chloroform			ug/L				24
Dalapon			ug/L				<5.0
Monochloroacetic Acid			ug/L				<5.0

WOODLEY RANGE WATER SYSTEM

SOURCE - Wells 26, 49 and 67

DISTRIBUTION - S2

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			<i>Sampling Date</i>	06/27/24	06/27/24	06/27/24	06/27/24
			<i>Sampling Time</i>	1:10 PM	1:23 PM	1:40 PM	1:50 PM
<i>Parameter Name</i>	<i>MAC</i>	<i>AO</i>	<i>Units</i>	<i>Result</i>	<i>Result2</i>	<i>Result3</i>	<i>Result4</i>
Monobromoacetic Acid			ug/L				<5.0
Dichloroacetic Acid			ug/L				6.9
Trichloroacetic Acid			ug/L				5.8
Bromochloroacetic Acid			ug/L				<5.0
Dibromoacetic Acid			ug/L				<5.0
Total Haloacetic Acids	80		ug/L				13
Total Lithium (Li)			ug/L	16.6		13.4	18.1