

DRINKING WATER SYSTEM ANNUAL REPORT						
Reporting Period:	January 1 st to Decem	ber 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 Prima	ary Disinfection?	Yes	□No			
Chlorination Ultraviolet Light	Ozone	Other				
If other, specify details:						
Does the Drinking Water System have Secon	dary Disinfection?	Yes	□No			
☐ Chlorination ☐ Other						
If other, specify details:						
Does the Drinking Water System have Filtra	tion?	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 (El						
Is your ERCP up to Date?	∐Yes	∐No				
How do you Inform the System Users of the			□\A/alaait			
Hand Delivered Bulletin Board	∐Newspaper 	Utility Bill Insert	Website			
Other (specify details) Radio, Social Med	dia					
Drinking Water System Annual Report	Annual Bonort?					
How do you Inform the System Users of the	_	Displace will be a see	□Woha:±a			
Hand Delivered Bulletin Board	Newspaper	Utility Bill Insert	Website			
Other (specify details)						



ist the conditions of your Ope	erating Permit (Contact the DW	O for a copy	if needed):	
Are you in compliance with yo	ur Operating Permit?	Ye	!S	No
BACTERIOLOGICAL TESTING AND DR	RINKING WATER PROTECTION REGULA	ATION WATER	QUALITY STAN	DARDS
low many bacteriological san	nples were collected during this	reporting p	eriod?	
What is the minimum required	d sampling frequency for this sy	stem? (#san	nples/month)	
Additional sampling details:				
· · ·				No
Was the minimum required sa	mpling frequency achieved?	Ye	:5	
•	mpling frequency achieved?	Ye		
Comments: Bacteriological summary attac	ched to this report?	Ye		□No
Comments: Bacteriological summary attack If no, how do the users of the second summary attack Water Quality Standards for I	ched to this report? system view the results? POTABLE WATER		es	
Comments: Bacteriological summary attack If no, how do the users of the second secon	ched to this report? system view the results?		es	□No stem meet standard?
Comments: Bacteriological summary attack If no, how do the users of the second secon	ched to this report? system view the results? POTABLE WATER	Ye	es	
Was the minimum required sa Comments: Bacteriological summary attack If no, how do the users of the sa WATER QUALITY STANDARDS FOR I Parameter: Escherichia coli (for all samples) Total Coliform Bacteria (if only 1 sample collected in a 30 day period)	ched to this report? System view the results? POTABLE WATER Standard:	Ye	Did this sys	stem meet standard?
Comments: Bacteriological summary attack If no, how do the users of the second secon	ched to this report? System view the results? POTABLE WATER Standard: No detectable Escherichia coli per 10	Oml per 100ml	Did this sys	stem meet standard?
Comments: 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 se	Ched to this report? System view the results? POTABLE WATER Standard: No detectable Escherichia coli per 10 No detectable total coliform bacteria No more than 10% of samples contai coliform bacteria, and No sample has 10 total coliform bacteria per 100ml	Oml per 100ml n total s more than	Did this sys	stem meet standard? No No
Comments: Bacteriological summary attack If no, how do the users of the second secon	Ched to this report? System view the results? POTABLE WATER Standard: No detectable Escherichia coli per 10 No detectable total coliform bacteria No more than 10% of samples contai coliform bacteria, and No sample has 10 total coliform bacteria per 100ml Tof above Drinking Water Protectional sheets if necessary.	Oml per 100ml n total s more than	Did this sys Yes Yes Yes ation standar	stem meet standard? No No



n't know						
ults in						
ults in						
Next scheduled full chemical test (date)						
Corrective Action / Treatment / Comments						
nal						
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.						



OPERATIONAL PROBLEMS						
	y operational problen	_	-	_		¬
period? (e.g. insufficient water supply, malfunction of						
If yes, complete the table below; attach additional sheets if necessary.						
Incident Date	cident Date Type of Operational Problem Corrective Action Taken					
Major Upgradi	ES/REPAIRS & EXPENSES					
-	y major upgrades/rep g this reporting period	-	ajor co	sts Yes	5	No
			l ab a s i	to if necessary		
ıj yes, compiet	e the table below; att	acn additional	sneet	is if necessary.		
Major Upgrade	es/Expenses	Details				
Improvements	required by DWO					
Additions/chan	iges to system					
Purchase or ins	stall new equipment					
Equipment rep	air or replacement					
Annual mainte	nance of system					
Specialist repo	rt					
Other						
FUTURE IMPROVEMENTS						
Are there any p	olans for future impro	vements?		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						
	1					
Click here to DATE COMPLETER				COMPLETED BY:		
			- 1			

Malahat Forest

Facility Information

Location 175 Ingram Street Duncan

Type 2-14 Connections

Facility Sampling History

Location	Date	Total Coliform	E. Coli/Enterococci
Water Treatment Plant Malahat Forest - 1 Trail	04-Dec-2023	LT1	LT1
Head Road			
Water Treatment Plant Malahat Forest - 1 Trail	30- Oct-2023	LT1	LT1
Head Road			
Water Treatment Plant Malahat Forest - 1 Trail	04- Oct-2023	LT1	LT1
Head Road			
Water Treatment Plant Malahat Forest - 1 Trail	05-Sep-2023	LT1	LT1
Head Road			
Water Treatment Plant Malahat Forest - 1 Trail	01-Aug-2023	LT1	LT1
Head Road			
Water Treatment Plant Malahat Forest - 1 Trail	04-Jul-2023	LT1	LT1
Head Road			
Water Treatment Plant Malahat Forest - 1 Trail	05-Jun-2023	LT1	LT1
Head Road			
Water Treatment Plant Malahat Forest - 1 Trail	01-May-2023	LT1	LT1
Head Road	•		
Water Treatment Plant Malahat Forest - 1 Trail	03-Apr-2023	LT1	LT1
Head Road	·		
Water Treatment Plant Malahat Forest - 1 Trail	01-Mar-2023	LT1	LT1
Head Road			
Water Treatment Plant Malahat Forest - 1 Trail	31-Jan-2023	LT1	LT1
Head Road			
Water Treatment Plant Malahat Forest - 1 Trail	03-Jan-2023	LT1	LT1
Head Road			

MALAHAT FOREST WATER SYSTEM

SOURCE - Well 1

				TRAIL HEAD
			Sample ID	WELL 1 (WTX
				TBD)
			Sampling Date	03/28/23
			Sampling Time	10:25 AM
Parameter Name	MAC	AO	Units	Result
Nitrite (N)	1		mg/L	<0.0050
Nitrate (N)	10		mg/L	0.435
Conductivity			uS/cm	180
рН			рН	7.95
Total Dissolved Solids		500	mg/L	92
Alkalinity (PP as CaCO3)			mg/L	<1.0
Alkalinity (Total as CaCO3)			mg/L	78
Bicarbonate (HCO3)			mg/L	95
Carbonate (CO3)			mg/L	<1.0
Hydroxide (OH)			mg/L	<1.0
Chloride (CI)		250	mg/L	1.4
Sulphate (SO4)		500	mg/L	8.3
True Colour		15	Col. Unit	<5.0
Nitrate plus Nitrite (N)			mg/L	0.435
Langelier Index (@ 20C)			N/A	-0.118
Langelier Index (@ 4C)			N/A	-0.368
Saturation pH (@ 20C)			N/A	8.07
Saturation pH (@ 4C)			N/A	8.32
Dissolved Fluoride (F)	1.5		mg/L	0.066
Tannins and Lignins			mg/L	<0.2
Turbidity	see remark	see remark	NTU	0.1
Total Hardness (CaCO3)			mg/L	83.3
Total Aluminum (AI)	2900		ug/L	<3.0
Total Antimony (Sb)	6		ug/L	<0.50
Total Arsenic (As)	10		ug/L	0.33
Total Barium (Ba)	2000		ug/L	5.1
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	2.4
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	1.2

MALAHAT FOREST WATER SYSTEM

SOURCE - Well 1

				TRAIL HEAD
			Sample ID	WELL 1 (WTX
				TBD)
			Sampling Date	03/28/23
			Sampling Time	10:25 AM
Parameter Name	MAC	AO	Units	Result
Total Nickel (Ni)			ug/L	<1.0
Total Selenium (Se)	50		ug/L	0.17
Total Silicon (Si)			ug/L	9830
Total Silver (Ag)			ug/L	<0.020
Total Strontium (Sr)	7000		ug/L	234
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	0.58
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	24.1
Total Magnesium (Mg)			mg/L	5.61
Total Potassium (K)			mg/L	0.229
Total Sodium (Na)		200	mg/L	5.4
Total Sulphur (S)			mg/L	<3.0
Total Mercury (Hg)	1		ug/L	0.0076
Total Total Kjeldahl Nitrogen (Calc)			mg/L	<0.020
Total Organic Carbon (C)			mg/L	<0.50
Total Nitrogen (N)			mg/L	0.444
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
Fecal Coliforms			CFU/100mL	<1
Non-Coliform (Background)			CFU/100mL	<1
Iron Bacteria			CFU/mL	25
Sulphate reducing bacteria			CFU/mL	<75