

DRINKING WATER SYSTEM ANNUAL REPORT	And Charles State of	2011年					
Reporting Period: January 1 st to December 31 st , 2018 (year)							
Water System Morton Lake Provincial Park							
Water System Owner BC Parks							
Primary Contact Name (Operator or Manager) Quality Recreation (Scott Russett)							
Phone Number (Operator or Manager) 250. 540. 3453							
E-mail (Operator or Manager) Scott. Pussett @ explore bcparks.cq							
DESCRIBE YOUR WATER SUPPLY SYSTEM			And Andrews				
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	ry Disinfection?	Yes	No				
Chlorination Ultraviolet Light	Ozone	Other					
If other, specify details:							
Does the Drinking Water System have Secon	dary Disinfection?	Yes	x No				
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:							
Tab Sales Could be County to County							
PUBLIC REPORTING							
Emergency Response & Contingency Plan (Ef	RCP)						
Is your ERCP up to Date?		No					
How do you Inform the System Users of the I							
Hand Delivered Bulletin Board	Newspaper	Utility Bill Insert	y Website				
	Other (specify details)						
Drinking Water System Annual Report							
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):	
See all	ached		
			-
Are you in compliance with yo	ur Operating Permit?	es	No
	RINKING WATER PROTECTION REGULATION WATER		DARDS
	nples were collected during this reporting μ		9+1
What is the minimum required	d sampling frequency for this system? (#sai	mples/month)	2/Month
Additional sampling details: (mpling frequency achieved?	moluded	at private lab
Was the minimum required sa	mpling frequency achieved?	es	No
Comments:			
Bacteriological summary attac	ched to this report?	es	□No
Water Quality Standards for P			
Parameter:	POTABLE WATER Standard:	Did this sys	stem meet standard?
Parameter: Escherichia coli		Did this sys	stem meet standard?
Parameter: Escherichia coli (for all samples) Total Coliform Bacteria (if only 1 sample collected in a 30	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	□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)	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	¥Yes ¥Yes ¥Yes	□No □No
Parameter: 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 80 day period)	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 of above Drinking Water Protection Regul	∡Yes Yes Yes ∀ation standar	□No □No
Parameter: 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 the table below; attach addition	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 of above Drinking Water Protection Regulational sheets if necessary.	∡Yes Yes Yes ∀ation standar	□No □No □No ds, record the results in



CHEMICAL SAMP	PLING COMPLETED I	DURING THIS REP	ORTING PERIOD			
Was any chem	nical sampling c	onducted durii	ng reporting period?		Yes	No
If no, when were the last chemical samples conducted for this system? (date)						Don't know
If yes, attach o	a list of the chen	nical results				
	amples did not ı w; attach additi		elines for Canadian Di necessary.	rinking Wate	r Quality, r	ecord the results in
Next schedule	d full chemical t	t est (date)	2023			
Parameter	Result	Corrective A	ction / Treatment / C	Comments		
Additional Tes	TING					
	em have analyze		ous monitoring?	Yes		₹No
Chlorine	ll boxes that app	•				
	urb available on re	oidity	Other (details)			
	nal testing or sar		nducted, record result	ts in the tabl	e below; at	tach additional
Additional Tes	ting & Reason fo	or Sampling	Corrective Action 1	aken -		
Water Quality	COMPLAINTS 11 1	of party trees				
Were there an	y water quality aste, odour, colo		this reporting	Yes	The second second	No
			itional sheets if neces	sary.	2	
***************************************		***************************************				
Date	Water Quality	Complaint	Corrective Acti	on / Treatme	ent	
Date	Water Quality	Complaint	Corrective Acti	on / Treatme	ent	



OPERATIONAL PR	ROBLEMS				A CONTRACTOR OF THE CONTRACTOR
period? (e.g. ir	y operational proble nsufficient water sup uipment, line breaks	ply, malfunct	tion of	Yes	No
If yes, complet	e the table below; a	ttach additio	nal sheets if nec	essary.	
Incident Date	Type of Operationa	al Problem	Corrective Ad	tion Taken	
ARTICLE CONTROL CONTRO	Autorization des reconstruction des la construction de la construction				

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MAJOR UPGRADE	ES/REPAIRS & EXPENSES	14. 据》	A MARK		The second of th
	y major upgrades/re g this reporting perio		major costs	Yes	₩No
ij yes, compiet	e the table below; at	tach additior	nal sheets if nece	essary.	
Major Upgrade	s/Expenses	Details			
Improvements	required by DWO	300			
Additions/chan	ges to system				
Purchase or ins	tall new equipment				
Equipment repa	air or replacement				
Annual mainter	nance of system	***************************************			
Specialist repor	t				
Other					
FUTURE IMPROVE	MENTS TELEVISION				
Ar e there any p	lans for future impro	ovements?		Yes	■No
If yes, complete	the table below; at	tach addition	al sheets if nece	ssary.	
Future Upgrade	es or Improvements			Estima	ated Date of Completion
					-
	Madering Columnication and Columnication in the Columnication				
Click here to				11	RA
DATE COMPLETED	: 5ept. 02/20	19	COMPLET	ED BY:	hat the

Water Sample Range Report

Island Health

Facility Name:

B.C. PARKS MORTON LAKE CAMPGROUND

Facility Type:

1 (DWQ)

Date Range:

Jan 1 2018 to Dec 31 2018

Date Created:

Result Values:

Jan 07 2019

Sampling Site	Date Collected	Total Coliform	E. Coli	Fecal Coliform
Campground Well, Well Plate #14006, Campground Well, Well Plate #14006, Dist. site, Semi-monthly			j.	
	07-May-2018 22-May-2018 04-Jun-2018 25-Jun-2018 03-Jul-2018 31-Jul-2018 14-Aug-2018 29-Aug-2018 11-Sep-2018 24-Sep-2018 Total Positive:	L1 L1 L1 A L1 L1 L1 L1 L1	L1 L1 L1 L1 L1 L1 L1 <u>L1</u>	0
Audit Campground Well, Well Plate #14006, Audit Campground Well, Well Plate #14006, Dist. site, Monthly	22-May-2018 17-Jul-2018 Total Positive:	L1 <u>L1</u> 0	L1 <u>L1</u> 0	0

Interpreting Sample Reports

L - less than

G - greater than

E - estimated

In VIHA, the results of drinking water sampling are reported using the following coding system:

L1 Less than 1 (no detectable bacteria) - Meaning: No bacteria present

OG Overgrown - Meaning: Too many background bacteria to give an accurate count

EST Estimated Count

and

A Sample not tested; Too long in transit

C Sample leaked/broken in transit

D Sample not tested; No collection date given

T Sample submitted unsatisfactory. Exceeded 30 hours holding time, please resample.

NS No sample received with requisition

Samples that contain total coliform:	0	0.00% of total
Samples that contain e. coli:	0	0.00% of total
Samples that contain fecal coliform:	0	0.00% of total
Number of positive samples in last 30	0/0	
days:		
Total number of samples:	12	

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	^	m	m	2	273	re:	•
v	v	832	9 8 2		9 5	LO	

Environmental Health Officer

Aug 22 2019

FOR FURTHER INFORMATION PLEASE CALL: Clements, Nancy (250) 850-2110 Campbell River Office

Operator

Ministry of Environment B.C. Parks 502 Alder Street Campbell River, BC V9W 2P1

(250) 751-3100



APPENDIX A

WATER SYSTEM OPERATING CONDITIONS FOR

B.C. PARKS MORTON LAKE CAMPGROUND Morton Lake Road Campbell River, BC, V9T 6J9

Condition 1.

Routine bacteriological water sampling frequency shall be at least twice per month. No more than one routine bacteriological water sample shall be collected in any single week, unless otherwise specified by the Drinking Water Officer. Bacteriological water samples must be analyzed at a Provincial Health Officer approved laboratory. The water system owner shall be responsible for collecting routine bacteriological water samples and submitting them to a VIHA office, or make their own arrangements with an approved private lab.

Condition 2.

Chemical water sampling shall be conducted by the water supply system owner at the expense of the water system owner and at a frequency of no less than once every five years. Parameters to be sampled for shall meet the list of parameters specified in the VIHA Guidelines for Approval of a Waterworks System. Each water source shall have its own water analysis.

Condition 3.

The water system owner must provide a proposed operator-training program and implementation plan. The operator-training program must be acceptable to the Drinking Water Officer and must consider the Drinking Water Protection Regulation, Drinking Water Officer's Guide and the VIHA policy 3.2, Training Guidelines For Operators of Small Water Systems.

Condition 4.

The water system owner shall assess the well for flood proofing and where wells are not found to be flood proof the water supplier shall provide a time frame acceptable to the Drinking Water Officer for when it will be made flood proof. The water system owner shall use as a minimum, construction standards within the BC Ground Water Protection Regulation for flood proofing. Copies of all assessments shall be submitted to the Drinking Water Officer. The development of an acceptable time frame must be completed by April 1, 2010.

Condition 5.

The water system owner shall protect the wellhead by applying the Ministry of Environment Wellhead Protection Toolkit. The fixed radius model in the tool kit is an acceptable method. Implementation shall start no later than April 1, 2010 and be completed by April 1, 2011.

Health Protection and Environmental Services

12

#200 - 1100 Island Highway, Campbell River, BC, V9W 8C6 . Telephone: 250-850-2110 . Fax: 250-286-3486