

DRINKING WATER SYSTEM ANNUAL REPORT			
Reporting Period:	January 1 <sup>st</sup> to Decem	ber 31 <sup>st</sup> , (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 Primo	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	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 (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 Engineerin	ig Services, 175 Ingra	m Street, Duncan, BC	
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)			



COMPLIANCE WITH OPERATING PER	RMIT			
ist the conditions of your Ope	rating Permit (Contact the DV	/O for a copy	if needed):	
Are you in compliance with yo	ur Operating Permit?	∐Ye	S	∐No
BACTERIOLOGICAL TESTING AND DR	INKING WATER PROTECTION REGU	LATION WATER	Quality Stan	DARDS
	nples were collected during thi			
What is the minimum required	sampling frequency for this s	ystem? (#sam	nples/month)	
Additional sampling details:				
			S	No
Was the minimum required sa	mpling frequency achieved?	∐Ye.		
Was the minimum required sa	mpling frequency achieved?	∟_Ye		
Was the minimum required sa Comments: Bacteriological summary attac	ched to this report?	Ye	S	□No
Was the minimum required sa Comments: Bacteriological summary attac If no, how do the users of the s	ched to this report? System view the results?		S	□No
Was the minimum required sa Comments: Bacteriological summary attack If no, how do the users of the s WATER QUALITY STANDARDS FOR F	ched to this report? System view the results?			□No stem meet standard?
Was the minimum required sa Comments: Bacteriological summary attack If no, how do the users of the sa WATER QUALITY STANDARDS FOR F Parameter: Escherichia coli (for all samples)	ched to this report? System view the results? POTABLE WATER	Ye		
Was the minimum required sa Comments: Bacteriological summary attack If no, how do the users of the sa Water Quality Standards for F Parameter: Escherichia coli	ched to this report? System view the results? POTABLE WATER Standard:	Ye	Did this sys	stem meet standard?
Was the minimum required sa Comments:  Bacteriological summary attack If no, how do the users of the sa WATER QUALITY STANDARDS FOR F 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	Ched to this report?  System view the results?  POTABLE WATER  Standard:  No detectable Escherichia coli per 1  No detectable total coliform bacter  No more than 10% of samples contacoliform bacteria, and No sample h	00ml  ia per 100ml  ain total as more than	Did this sys	stem meet standard?
Was the minimum required sa Comments: Bacteriological summary attack If no, how do the users of the sa WATER QUALITY STANDARDS FOR F 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)	Ched to this report?  System view the results?  POTABLE WATER  Standard:  No detectable Escherichia coli per 1  No detectable total coliform bacter  No more than 10% of samples conta	O0ml ia per 100ml ain total as more than	Did this sys	stem meet standard?  No  No
Was the minimum required sa Comments: Bacteriological summary attack If no, how do the users of the sa WATER QUALITY STANDARDS FOR F 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)	POTABLE WATER  Standard:  No detectable Escherichia coli per 1  No more than 10% of samples conticoliform bacteria, and No sample had total coliform bacteria per 100m.  Tof above Drinking Water Protests	O0ml ia per 100ml ain total as more than	Did this sys	stem meet standard?  No  No



Was any cher						
	nıcaı sampııng (	conducted durir	ng reporting period	?	⁄es	□No
If no, when w	ere the last che	mical samples o	conducted for this s	ystem? (date)		Don't know
If yes, attach	a list of the che	mical results				
	•	meet the Guide tional sheets if I	elines for Canadian necessary.	Drinking Water Qu	ality, record	the results in
Next schedule	ed full chemical	<i>test (</i> date)				
Parameter	Result	Corrective A	ction / Treatment /	' Comments		
Additional Tes	STING					
Does the syste	em have analyz	ers for continuo	ous monitoring?	Yes		No
If yes, check a	ll boxes that ap	oply:				
Chlorine	Tur	bidity	Other (details)			
Are the result	s available on r	request?				
If any addition sheets if nece	_	ampling was co	nducted, record res	ults in the table be	low; attach d	additional
sheets if nece	_		nducted, record res		low; attach d	additional
sheets if nece	ssary.				low; attach d	additional
sheets if nece	ssary.				low; attach d	additional
sheets if nece	ssary.				low; attach d	additional
sheets if nece	ssary.				low; attach d	additional
sheets if nece	ssary.				low; attach d	additional
Additional Te	ssary. sting & Reason	for Sampling  y complaints in	Corrective Action			additional
WATER QUALIT Were there ar period? (e.g. 1)	y COMPLAINTS  ny water quality taste, odour, co	for Sampling y complaints in lour etc.)	Corrective Action	n Taken		
WATER QUALIT Were there are period? (e.g. 1)	y COMPLAINTS  ny water quality taste, odour, co	for Sampling y complaints in lour etc.)	this reporting	n Taken		
WATER QUALIT Were there as period? (e.g. to lif yes, comple	Y COMPLAINTS  ny water quality taste, odour, co	for Sampling y complaints in lour etc.)	this reporting	Taken  Yes		
WATER QUALIT Were there as period? (e.g. to lif yes, comple	Y COMPLAINTS  ny water quality taste, odour, co	for Sampling y complaints in lour etc.)	this reporting	Taken  Yes		



OPERATIONAL PR	OBLEMS						
Were there any operational problems during this reporting  period? (e.g. insufficient water supply, malfunction of							
If yes, complete	If yes, complete the table below; attach additional sheets if necessary.						
Incident Date	Type of Operational	Problem	Correc	tive Actio	n Taken	n	
Major Upgrade	ES/REPAIRS & EXPENSES						
	y major upgrades/rep g this reporting period	-	ajor cos	ts	Yes	s \_No	
If yes, complete	e the table below; att	ach addition	al sheets	if necess	ary.		
Major Upgrade	es/Expenses	Details					
Improvements	required by DWO						
Additions/chan	iges to system						
Purchase or ins	tall new equipment						
Equipment rep	air or replacement						
Annual mainter	nance of system						
Specialist repor	rt						
Other							
FUTURE IMPROVE	EMENTS					<u> </u>	
Are there any p	olans for future impro	vements?			Yes	S No	
If yes, complete the table below; attach additional sheets if necessary.							
Future Upgrad	es or Improvements					Estimated Date of Completion	
			<u> </u>				
Click here to				COMPLETED	. Rv·		
DATE CONTRETER	J.			JOIVIF LE I EL	יוטי.		

Future upgrades or improvements	<b>Estimated date of Completion</b>
new genset at Decca WTP	2019
Install solar chlorinator at the reservoir	2020
Well development	2020/2021
4-3-2-1-0 Treatment if wells do not provide enough	
water	2020/2021
McKean Road Replacement	2020/2021
Inspect & clean reservoirs	2020/2021
Groundwater monitoring (data collection) all wells	2020



### NORTH SHAWNIGAN LAKE COMMUNITY WATER SYSTEM

## **Facility Location:**

175 Ingram Street Shawnigan Lake

### **Facility Information:**

Facility Type: 301-10000 DWT

## **Facility Sampling History:**

Location	Date	Total Coliform	E.Coli
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	18-Dec-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	11-Dec-2018	L1	L1
S-7 3057 Miner Road, S-7 3057 Miner Road	11-Dec-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	4-Dec-2018	L1	L1
S-5 End of Gregory Rd. Reservoir , end of Gregory Road, Shawnigan Lake, BC	4-Dec-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	26-Nov-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	20-Nov-2018	L1	L1
S-4 2032 Sunnybrook Lane , 2032 Sunnybrook Lane, Shawnigan Lake	20-Nov-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	13-Nov-2018	L1	L1
S-8, Lot 10 Katy's Crescent, 10 Katy's Crescent, Shawnigan Lake, BC	13-Nov-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	5-Nov-2018	L1	L1
S-4 2032 Sunnybrook Lane , 2032 Sunnybrook Lane, Shawnigan Lake	5-Nov-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	29-Oct-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	22-Oct-2018	L1	L1
S-8, Lot 10 Katy's Crescent, 10 Katy's Crescent, Shawnigan Lake, BC	22-Oct-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	16-Oct-2018	L1	L1



S-7 3057 Miner Road, S-7 3057Miner Road	16-Oct-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	10-Oct-2018	L1	L1
S-4 2032 Sunnybrook Lane , 2032 Sunnybrook Lane, Shawnigan Lake	10-Oct-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	2-Oct-2018	L1	L1
S-5 End of Gregory Rd. Reservoir , end of Gregory Road, Shawnigan Lake, BC	2-Oct-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	25-Sep-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	18-Sep-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	11-Sep-2018	L1	L1
S-4 2032 Sunnybrook Lane , 2032 Sunnybrook Lane, Shawnigan Lake	11-Sep-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	5-Sep-2018	L1	L1
S-7 3057 Miner Road, S-7 3057Miner Road	5-Sep-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	28-Aug-2018	L1	L1
S-5 End of Gregory Rd. Reservoir , end of Gregory Road, Shawnigan Lake, BC	28-Aug-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	21-Aug-2018	L1	L1
S-8, Lot 10 Katy's Crescent, 10 Katy's Crescent, Shawnigan Lake, BC	21-Aug-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	14-Aug-2018	L1	L1
S-7 3057 Miner Road, S-7 3057 Miner Road	14-Aug-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	8-Aug-2018	L1	L1
S-4 2032 Sunnybrook Lane , 2032 Sunnybrook Lane, Shawnigan Lake	8-Aug-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	31-Jul-2018	L1	L1
S-4 2032 Sunnybrook Lane , 2032 Sunnybrook Lane, Shawnigan Lake	31-Jul-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	23-Jul-2018	L1	L1
S-4 2032 Sunnybrook Lane , 2032 Sunnybrook Lane, Shawnigan Lake	23-Jul-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	16-Jul-2018	L1	L1
S-7 3057 Miner Road, S-7 3057Miner Road	16-Jul-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	9-Jul-2018	L1	L1
S-8, Lot 10 Katy's Crescent, 10 Katy's Crescent, Shawnigan Lake, BC	9-Jul-2018	L1	L1
S-5 End of Gregory Rd. Reservoir , end of Gregory Road, Shawnigan Lake, BC	4-Jul-2018	D	



S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	3-Jul-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	27-Jun-2018	L1	L1
S-4 2032 Sunnybrook Lane , 2032 Sunnybrook Lane, Shawnigan Lake	27-Jun-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	18-Jun-2018	L1	L1
S-7 3057 Miner Road, S-7 3057Miner Road	18-Jun-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	12-Jun-2018	L1	L1
S-8, Lot 10 Katy's Crescent, 10 Katy's Crescent, Shawnigan Lake, BC	12-Jun-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	4-Jun-2018	L1	L1
S-5 End of Gregory Rd. Reservoir , end of Gregory Road, Shawnigan Lake, BC	4-Jun-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	28-May-2018	L1	L1
S-4 2032 Sunnybrook Lane , 2032 Sunnybrook Lane, Shawnigan Lake	28-May-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	23-May-2018	L1	L1
S-4 2032 Sunnybrook Lane , 2032 Sunnybrook Lane, Shawnigan Lake	23-May-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	14-May-2018	L1	L1
S-7 3057 Miner Road, S-7 3057Miner Road	14-May-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	7-May-2018	L1	L1
S-8, Lot 10 Katy's Crescent, 10 Katy's Crescent, Shawnigan Lake, BC	7-May-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	30-Apr-2018	L1	L1
S-5 End of Gregory Rd. Reservoir , end of Gregory Road, Shawnigan Lake, BC	30-Apr-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	24-Apr-2018	L1	L1
S-4 2032 Sunnybrook Lane , 2032 Sunnybrook Lane, Shawnigan Lake	24-Apr-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	16-Apr-2018	L1	L1
S-4 2032 Sunnybrook Lane , 2032 Sunnybrook Lane, Shawnigan Lake	16-Apr-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	10-Apr-2018	L1	L1
S-7 3057 Miner Road, S-7 3057Miner Road	10-Apr-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	3-Apr-2018	L1	L1
S-4 2032 Sunnybrook Lane , 2032 Sunnybrook Lane, Shawnigan Lake	3-Apr-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	27-Mar-2018	L1	L1



S-4 2032 Sunnybrook Lane , 2032 Sunnybrook Lane, Shawnigan Lake	27-Mar-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	19-Mar-2018	L1	L1
S-5 End of Gregory Rd. Reservoir , end of Gregory Road, Shawnigan Lake, BC	19-Mar-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	13-Mar-2018	L1	L1
S-7 3057 Miner Road, S-7 3057 Miner Road	13-Mar-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	5-Mar-2018	L1	L1
S-4 2032 Sunnybrook Lane , 2032 Sunnybrook Lane, Shawnigan Lake	5-Mar-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	26-Feb-2018	L1	L1
S-5 End of Gregory Rd. Reservoir , end of Gregory Road, Shawnigan Lake, BC	26-Feb-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	19-Feb-2018	L1	L1
S-7 3057 Miner Road, S-7 3057 Miner Road	19-Feb-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	13-Feb-2018	L1	L1
S-4 2032 Sunnybrook Lane , 2032 Sunnybrook Lane, Shawnigan Lake	13-Feb-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	5-Feb-2018	L1	L1
S-5 End of Gregory Rd. Reservoir , end of Gregory Road, Shawnigan Lake, BC	5-Feb-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	30-Jan-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	22-Jan-2018	L1	L1
S-7 3057 Miner Road, S-7 3057 Miner Road	22-Jan-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	16-Jan-2018	L1	L1
S-4 2032 Sunnybrook Lane , 2032 Sunnybrook Lane, Shawnigan Lake	16-Jan-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	8-Jan-2018	L1	L1
S-5 End of Gregory Rd. Reservoir , end of Gregory Road, Shawnigan Lake, BC	8-Jan-2018	L1	L1
S-1 2209 McKean, 2209 Mckean, Shawnigan Lake, BC	2-Jan-2018	6	L1
S-4 2032 Sunnybrook Lane , 2032 Sunnybrook Lane, Shawnigan Lake	2-Jan-2018	L1	L1

Alkalinity (total, as Ca		Sample ID	Sampling Point Name
06/14/2018 15:02	19.8 mg/L	L2113184-1	Shawnigan Lake-intake
Aluminum (total)		Sample ID	Sampling Point Name
06/14/2018 15:02	0.047 mg/L	L2113184-1	Shawnigan Lake-intake
Ammonia (total, as N		Sample ID	Sampling Point Name
06/14/2018 15:02	< 0.0050 mg/L	L2113184-1	Shawnigan Lake-intake
Antimony (total)		Sample ID	Sampling Point Name
06/14/2018 15:02	< 0.00050 mg/L	L2113184-1	Shawnigan Lake-intake
Arsenic (total)		Sample ID	Sampling Point Name
06/14/2018 15:02	0.00024 mg/L	L2113184-1	Shawnigan Lake-intake
<b>Background Bacteria</b>		Sample ID	Sampling Point Name
06/14/2018 15:02	< 1 CFU/100ml	L2113184-1	Shawnigan Lake-intake
Barium (total)		Sample ID	Sampling Point Name
06/14/2018 15:02	< 0.010 mg/L	L2113184-1	Shawnigan Lake-intake
Beryllium (total)		Sample ID	Sampling Point Name
06/14/2018 15:02	< 0.0050 mg/L	L2113184-1	Shawnigan Lake-intake
Bismuth (total)		Sample ID	Sampling Point Name
06/14/2018 15:02	< 0.20 mg/L	L2113184-1	Shawnigan Lake-intake
Boron (total)		Sample ID	Sampling Point Name
06/14/2018 15:02	< 0.10 mg/L	L2113184-1	Shawnigan Lake-intake
Bromochloroacetic a		Sample ID	Sampling Point Name
08/01/2018 10:05	0.0015 mg/L	L2140357-1	S1-2209 McKean Rd
06/14/2018 15:02	< 0.0010 mg/L	L2113184-1	Shawnigan Lake-intake
	ne (dichlorobromomethane)	Sample ID	Sampling Point Name
08/01/2018 10:05	0.0033 mg/L	L2140357-1	S1-2209 McKean Rd
06/14/2018 15:02	< 0.0010 mg/L	L2113184-1	Shawnigan Lake-intake
Bromoform		Sample ID	Sampling Point Name
08/01/2018 10:05	< 0.0010 mg/L	L2140357-1	S1-2209 McKean Rd
06/14/2018 15:02	< 0.0010 mg/L	L2113184-1	Shawnigan Lake-intake
Cadmium (total)		Sample ID	Sampling Point Name
06/14/2018 15:02	< 0.00020 mg/L	L2113184-1	Shawnigan Lake-intake



<b>Calcium (total)</b> 06/14/2018 15:02	6.94 mg/L	<b>Sample ID</b> L2113184-1	Sampling Point Name Shawnigan Lake-intake
<b>Chloride</b> 06/14/2018 15:02	4.80 mg/L	<b>Sample ID</b> L2113184-1	Sampling Point Name Shawnigan Lake-intake
Chloroform		Sample ID	Sampling Point Name
08/01/2018 10:05 06/14/2018 15:02	0.0615 mg/L 0.0019 mg/L	L2140357-1 L2113184-1	S1-2209 McKean Rd Shawnigan Lake-intake
<b>Chromium (total)</b> 06/14/2018 15:02	< 0.0020 mg/L	<b>Sample ID</b> L2113184-1	Sampling Point Name Shawnigan Lake-intake
<b>Cobalt (total)</b> 06/14/2018 15:02	< 0.010 mg/L	<b>Sample ID</b> L2113184-1	Sampling Point Name Shawnigan Lake-intake
Colour		Sample ID	Sampling Point Name
06/14/2018 15:02	10.9 TCU	L2113184-1	Shawnigan Lake-intake
Conductivity		Sample ID	Sampling Point Name
06/14/2018 15:02	62.9 uS/cm	L2113184-1	Shawnigan Lake-intake
Copper (total)		Sample ID	Sampling Point Name
06/14/2018 15:02	0.0021 mg/L	L2113184-1	Shawnigan Lake-intake
Dibromoacetic acid		Sample ID	Sampling Point Name
08/01/2018 10:05 06/14/2018 15:02	< 0.0010 mg/L < 0.0010 mg/L	L2140357-1 L2113184-1	S1-2209 McKean Rd Shawnigan Lake-intake
Dibromochloromethan	e (Chlorodibromomethane)	Sample ID	Sampling Point Name
08/01/2018 10:05	< 0.0010 mg/L	L2140357-1	S1-2209 McKean Rd
06/14/2018 15:02	< 0.0010 mg/L	L2113184-1	Shawnigan Lake-intake
Dichloroacetic acid		Sample ID	Sampling Point Name
08/01/2018 10:05	0.0288 mg/L	L2140357-1	S1-2209 McKean Rd
06/14/2018 15:02	< 0.0010 mg/L	L2113184-1	Shawnigan Lake-intake
Escherichia coli / E. co	li (counts)	Sample ID	Sampling Point Name
* 06/14/2018 15:02	1 counts/100ml	L2113184-1	Shawnigan Lake-intake
Fecal (thermal tolerant	) Coliforms (counts)	Sample ID	Sampling Point Name
* 06/14/2018	1 counts/100ml	L2113184-1	Shawnigan Lake-intake
15:02			_
05/07/2018 12:40	< 1 counts/100ml	L2090604-1	Well K1 Ingot Rd.
12/06/2018 09:45	< 2 counts/100ml	L2207474-1	Well K1 Ingot Rd.

Report created on 05/28/2019 2:04:02 PM

Fluoride			Sample ID	Sampling Point Name
06/14/2018 15:02	< 0.020	mg/L	L2113184-1	Shawnigan Lake-intake
Haloacetic acids 5 /			Sample ID	Sampling Point Name
08/01/2018 10:05	0.0616	•	L2140357-1	S1-2209 McKean Rd
06/14/2018 15:02	< 0.0054	mg/L	L2113184-1	Shawnigan Lake-intake
Hardness (total, as			Sample ID	Sampling Point Name
06/14/2018 15:02	22.9	mg/L	L2113184-1	Shawnigan Lake-intake
<b>Heterotrophic Plate</b>	Count / HPC		Sample ID	Sampling Point Name
* 06/14/2018 15:02	7,000	CFU/100ml	L2113184-1	Shawnigan Lake-intake
Iron (total)			Sample ID	Sampling Point Name
06/14/2018 15:02	0.086	mg/L	L2113184-1	Shawnigan Lake-intake
Langelier Index (@ 2	20 C)		Sample ID	Sampling Point Name
06/14/2018 15:02	15.6		L2113184-1	Shawnigan Lake-intake
Lead (total)			Sample ID	Sampling Point Name
06/14/2018 15:02	< 0.00050	mg/L	L2113184-1	Shawnigan Lake-intake
Lithium (total)			Sample ID	Sampling Point Name
06/14/2018 15:02	< 0.010	mg/L	L2113184-1	Shawnigan Lake-intake
Magnesium (total)			Sample ID	Sampling Point Name
06/14/2018 15:02	1.36	mg/L	L2113184-1	Shawnigan Lake-intake
Manganese (total)			Sample ID	Sampling Point Name
06/14/2018 15:02	0.0144	mg/L	L2113184-1	Shawnigan Lake-intake
Mercury (total)			Sample ID	Sampling Point Name
06/14/2018 15:02	< 0.00020	mg/L	L2113184-1	Shawnigan Lake-intake
Molybdenum (total)			Sample ID	Sampling Point Name
06/14/2018 15:02	< 0.030	mg/L	L2113184-1	Shawnigan Lake-intake
Monobromoacetic a			Sample ID	Sampling Point Name
08/01/2018 10:05	< 0.0010		L2140357-1	S1-2209 McKean Rd
06/14/2018 15:02	< 0.0010	mg/L	L2113184-1	Shawnigan Lake-intake
Monochloroacetic a			Sample ID	Sampling Point Name
08/01/2018 10:05	< 0.0050		L2140357-1	S1-2209 McKean Rd
06/14/2018 15:02	< 0.0050	mg/L	L2113184-1	Shawnigan Lake-intake

Report created on 05/28/2019 2:04:02 PM

Nickel (total)		Sample ID	Sampling Point Name
06/14/2018 15:02	< 0.050 mg/L	L2113184-1	Shawnigan Lake-intake
Nitrate (as N)		Sample ID	Sampling Point Name
06/14/2018 15:02	0.117 mg/L	L2113184-1	Shawnigan Lake-intake
05/07/2018 12:40	0.543 mg/L	L2090604-1	Well K1 Ingot Rd.
12/06/2018 09:45	1.09 mg/L	L2207474-1	Well K1 Ingot Rd.
Nitrate + Nitrite (as N)		Sample ID	Sampling Point Name
06/14/2018 15:02	0.117 mg/L	L2113184-1	Shawnigan Lake-intake
	O.117 mg/L		-
Nitrite (as N)		Sample ID	Sampling Point Name
06/14/2018 15:02	< 0.0010 mg/L	L2113184-1	Shawnigan Lake-intake
Nitrogen (total)		Sample ID	Sampling Point Name
05/07/2018 12:40	0.577 mg/L	L2090604-1	Well K1 Ingot Rd.
12/06/2018 09:45	1.13 mg/L	L2207474-1	Well K1 Ingot Rd.
pH		Sample ID	Sampling Point Name
06/14/2018 15:02	7.49	L2113184-1	Shawnigan Lake-intake
06/14/2018 15:02	6.12	L2113184-1	Shawnigan Lake-intake
Phosphorus (total)		Sample ID	Sampling Point Name
06/14/2018 15:02	< 0.30 mg/L	L2113184-1	Shawnigan Lake-intake
05/07/2018 12:40	< 0.0020 mg/L	L2090604-1	Well K1 Ingot Rd.
12/06/2018 09:45	0.0024 mg/L	L2207474-1	Well K1 Ingot Rd.
	0.002 1 mg/L		· ·
Potassium (total)		Sample ID	Sampling Point Name
06/14/2018 15:02	0.26 mg/L	L2113184-1	Shawnigan Lake-intake
Selenium (total)		Sample ID	Sampling Point Name
06/14/2018 15:02	< 0.0010 mg/L	L2113184-1	Shawnigan Lake-intake
Silicon (total, as Si)		Sample ID	Sampling Point Name
06/14/2018 15:02	2.27 mg/L	L2113184-1	Shawnigan Lake-intake
Silver (total)	· ·	Sample ID	Sampling Point Name
	< 0.010 mg/l	1 2112101 1	Shawnigan Lako intako
06/14/2018 15:02	< 0.010 mg/L	L2113184-1	Shawnigan Lake-intake
Sodium (total)	•	Sample ID	Sampling Point Name
	< 0.010 mg/L 3.8 mg/L		· ·
Sodium (total)	•	Sample ID	Sampling Point Name
Sodium (total) 06/14/2018 15:02	•	<b>Sample ID</b> L2113184-1	Sampling Point Name Shawnigan Lake-intake



Sc	Sulfate Reducing Bac	toria	Sample ID	Sampling Point Name
Sulphate         Sample ID         Sampling Point Name           06/14/2018 15:02         2.81 mg/L         L2113184-1         Shawnigan Lake-intake           Sulphide (total, as S)         Sample ID         Sampling Point Name           06/14/2018 15:02         < 0.018 mg/L				. •
06/14/2018 15:02         2.81 mg/L         L2113184-1         Shawnigan Lake-intake           Sulphide (total, as S) 06/14/2018 15:02         Sample ID 0.35 mg/L         Sample ID L2113184-1         Sampling Point Name Shawnigan Lake-intake           Tannins and Lignins 06/14/2018 15:02         0.35 mg/L         L2113184-1         Shawnigan Lake-intake           Thallium (total) 06/14/2018 15:02         Sample ID 06/14/2018 15:02         Sample ID 06/14/2018 15:02         Sampling Point Name Shawnigan Lake-intake           Tin 06/14/2018 15:02         Sample ID 06/14/2018 15:02         Sampling Point Name Shawnigan Lake-intake           Total Coliforms (counts) * 06/14/2018 15:02         Sample ID 06/14/2018         Sampling Point Name Shawnigan Lake-intake           Total Dissolved Solids / TDS 06/14/2018 15:02         Sample ID 53 mg/L         Sampling Point Name Shawnigan Lake-intake           Total Kjeldahl Nitrogen / TKN 06/14/2018 15:02         Sample ID 06/14/2018 15:02         Sampling Point Name Shawnigan Lake-intake           Total Organic Carbon / TOC 06/14/2018 15:02         Sample ID 06/14/2018 15:02         Sampling Point Name Shawnigan Lake-intake           Total Trihalomethanes / TTHM 08/01/2018 10:05         Sample ID 0.0648 mg/L 0.0020 mg/L         Sample ID 0.00328 mg/L 0.00328 mg/L 0.00328 mg/L 0.00328 mg/L 0.00328 mg/L 0.00328 mg/L 0.00300 mg/L         Sampling Point Name Shawnigan Lake-intake           Turbidity         Sample ID Sampling Point Name Shawnigan Lake-intake </td <td>Outubata</td> <td></td> <td>Oamania ID</td> <td>Ğ</td>	Outubata		Oamania ID	Ğ
Sulphide (total, as S)         Sample ID         Sampling Point Name           06/14/2018 15:02         < 0.018 mg/L		2.04		
O6/14/2018 15:02         < 0.018 mg/L         L2113184-1         Shawnigan Lake-intake           Tannins and Lignins 06/14/2018 15:02         0.35 mg/L         L2113184-1         Shawnigan Lake-intake           Thallium (total) 06/14/2018 15:02         < 0.20 mg/L         L2113184-1         Shawnigan Lake-intake           Tin (total) 06/14/2018 15:02         < 0.030 mg/L         L2113184-1         Shawnigan Lake-intake           Titanium (total) 06/14/2018 15:02         < 0.010 mg/L         Sample ID L2113184-1         Shawnigan Lake-intake           Total Coliforms (counts) 06/14/2018 15:02         < 0.010 mg/L         Sample ID L2113184-1         Shawnigan Lake-intake           Total Dissolved Solids / TDS 06/14/2018 15:02         Sample ID Sampling Point Name Shawnigan Lake-intake         Shawnigan Lake-intake           Total Kjeldahl Nitrogen / TKN 06/14/2018 15:02         Sample ID Sampling Point Name Shawnigan Lake-intake         Sample ID Sampling Point Name Shawnigan Lake-intake           Total Organic Carbon / TOC 06/14/2018 15:02         Sample ID 0.182 mg/L         Sample ID Sampling Point Name Shawnigan Lake-intake           Total Trihalomethanes / TTHM 08/14/2018 15:02         Sample ID 0.0648 mg/L         Sample ID Sampling Point Name Shawnigan Lake-intake           Trichloroacetic acid 06/14/2018 15:02         Sample ID 0.0328 mg/L         Sample ID Sampling Point Name Shawnigan Lake-intake           Trichloroacetic acid 06/14/2018 15:02	06/14/2018 15:02	2.81 mg/L	L2113184-1	Snawnigan Lake-intake
Tannins and Lignins         Sample ID         Sampling Point Name           06/14/2018 15:02         0.35 mg/L         L2113184-1         Shawnigan Lake-intake           Thallium (total)         Sample ID         Sampling Point Name           06/14/2018 15:02         < 0.20 mg/L	Sulphide (total, as S)		Sample ID	Sampling Point Name
06/14/2018 15:02         0.35 mg/L         L2113184-1         Shawnigan Lake-intake           Thallium (total)         Sample ID         Sampling Point Name           06/14/2018 15:02         < 0.20 mg/L	06/14/2018 15:02	< 0.018 mg/L	L2113184-1	Shawnigan Lake-intake
06/14/2018 15:02         0.35 mg/L         L2113184-1         Shawnigan Lake-intake           Thallium (total)         Sample ID         Sampling Point Name           06/14/2018 15:02         < 0.20 mg/L	Tannins and Lignins		Sample ID	Sampling Point Name
Thallium (total)         Sample ID         Sampling Point Name           06/14/2018 15:02         < 0.20 mg/L		0.35 mg/L	•	. •
O6/14/2018 15:02         < 0.20 mg/L         L2113184-1         Shawnigan Lake-intake           Tin (total)         Sample ID         Sampling Point Name           06/14/2018 15:02         < 0.030 mg/L	<b>—</b> 1 111 (4 4 1)	3		•
Tin (total)         Sample ID         Sampling Point Name           06/14/2018 15:02         < 0.030 mg/L		. 0.00		
Titanium (total)         Sample ID         Sampling Point Name           06/14/2018 15:02         < 0.010 mg/L	06/14/2018 15:02	< 0.20 mg/L	L2113184-1	Shawnigan Lake-intake
Titanium (total)         Sample ID         Sampling Point Name           06/14/2018 15:02         < 0.010 mg/L	Tin (total)		Sample ID	Sampling Point Name
Total Coliforms (counts)         Sample ID         Sampling Point Name           * 06/14/2018 15:02         > 1 counts/100ml         L2113184-1         Shawnigan Lake-intake           Total Dissolved Solids / TDS 06/14/2018 15:02         53 mg/L         L2113184-1         Shawnigan Lake-intake           Total Kjeldahl Nitrogen / TKN 06/14/2018 15:02         0.182 mg/L         L2113184-1         Shawnigan Lake-intake           Total Organic Carbon / TOC 06/14/2018 15:02         3.65 mg/L         L2113184-1         Shawnigan Lake-intake           Total Trihalomethanes / TTHM 08/01/2018 10:05         0.0648 mg/L 06/14/2018 15:02         L2140357-1 07-2209 McKean Rd 06/14/2018 15:02         Sample ID 07-2018 McKean Rd 08/01/2018 10:05 0.0328 mg/L 06/14/2018 10:05 0.0328 mg/L 06/14/2018 10:05 0.0328 mg/L 06/14/2018 10:05 0.0328 mg/L 06/14/2018 10:05 0.0010 mg/L 07-2019 McKean Rd 06/14/2	06/14/2018 15:02	< 0.030 mg/L	L2113184-1	Shawnigan Lake-intake
Total Coliforms (counts)         Sample ID         Sampling Point Name           * 06/14/2018 15:02         > 1 counts/100ml         L2113184-1         Shawnigan Lake-intake           Total Dissolved Solids / TDS 06/14/2018 15:02         53 mg/L         L2113184-1         Shawnigan Lake-intake           Total Kjeldahl Nitrogen / TKN 06/14/2018 15:02         0.182 mg/L         L2113184-1         Shawnigan Lake-intake           Total Organic Carbon / TOC 06/14/2018 15:02         3.65 mg/L         L2113184-1         Shawnigan Lake-intake           Total Trihalomethanes / TTHM 08/01/2018 10:05         0.0648 mg/L 06/14/2018 15:02         L2140357-1 07-2209 McKean Rd 06/14/2018 15:02         Sample ID 07-2018 McKean Rd 08/01/2018 10:05 0.0328 mg/L 06/14/2018 10:05 0.0328 mg/L 06/14/2018 10:05 0.0328 mg/L 06/14/2018 10:05 0.0328 mg/L 06/14/2018 10:05 0.0010 mg/L 07-2019 McKean Rd 06/14/2	Titanium (total)		Sample ID	Sampling Point Name
Total Coliforms (counts)         Sample ID         Sampling Point Name           * 06/14/2018 15:02         > 1 counts/100ml         L2113184-1         Shawnigan Lake-intake           Total Dissolved Solids / TDS 06/14/2018 15:02         53 mg/L         L2113184-1         Shawnigan Lake-intake           Total Kjeldahl Nitrogen / TKN 06/14/2018 15:02         0.182 mg/L         L2113184-1         Shawnigan Lake-intake           Total Organic Carbon / TOC 06/14/2018 15:02         3.65 mg/L         L2113184-1         Shawnigan Lake-intake           Total Trihalomethanes / TTHM 08/01/2018 10:05         0.0648 mg/L 06/14/2018 15:02         L2140357-1 06/14/2018 15:02         S1-2209 McKean Rd 06/14/2018 15:02           Trichloroacetic acid 08/01/2018 10:05 0.0328 mg/L 06/14/2018 15:02         Sample ID 06/14/2018 15:02         Sampling Point Name 06/14/2018 15:02           Trichloroacetic acid 06/14/2018 15:02         Sample ID 06/14/2018 15:02         Sampling Point Name 06/14/2018 15:02           Turbidity Sample ID Sampling Point Name         Shawnigan Lake-intake		< 0.010 mg/l		
* 06/14/2018 15:02         > 1 counts/100ml         L2113184-1         Shawnigan Lake-intake           Total Dissolved Solids / TDS 06/14/2018 15:02         53 mg/L         Sample ID L2113184-1         Sampling Point Name Shawnigan Lake-intake           Total Kjeldahl Nitrogen / TKN 06/14/2018 15:02         0.182 mg/L         L2113184-1         Shawnigan Lake-intake           Total Organic Carbon / TOC 06/14/2018 15:02         Sample ID 3.65 mg/L         Sample ID L2113184-1         Shawnigan Lake-intake           Total Trihalomethanes / TTHM 08/01/2018 10:05 06/14/2018 15:02         Sample ID 0.0648 mg/L 06/14/2018 15:02         Sample ID 0.0020 mg/L         Sampling Point Name Shawnigan Lake-intake           Trichloroacetic acid 08/01/2018 10:05 06/14/2018 15:02         Sample ID 0.00328 mg/L 06/14/2018 15:02         Sample ID 0.0010 mg/L         Sampling Point Name Shawnigan Lake-intake           Turbidity         Sample ID Sampling Point Name		•		_
Total Dissolved Solids / TDS         Sample ID         Sampling Point Name           06/14/2018 15:02         53 mg/L         L2113184-1         Shawnigan Lake-intake           Total Kjeldahl Nitrogen / TKN         Sample ID         Sampling Point Name           06/14/2018 15:02         0.182 mg/L         L2113184-1         Shawnigan Lake-intake           Total Organic Carbon / TOC         Sample ID         Sampling Point Name           06/14/2018 15:02         3.65 mg/L         L2113184-1         Shawnigan Lake-intake           Total Trihalomethanes / TTHM         Sample ID         Sampling Point Name           08/01/2018 10:05         0.0648 mg/L         L2140357-1         S1-2209 McKean Rd           06/14/2018 15:02         C0.0020 mg/L         L2140357-1         S1-2209 McKean Rd           08/01/2018 10:05         0.0328 mg/L         L2140357-1         S1-2209 McKean Rd           08/01/2018 15:02         < 0.0010 mg/L	Total Coliforms (coun	ts)	Sample ID	Sampling Point Name
Total Kjeldahl Nitrogen / TKN         Sample ID         Sampling Point Name           06/14/2018 15:02         0.182 mg/L         L2113184-1         Shawnigan Lake-intake           Total Organic Carbon / TOC         Sample ID         Sampling Point Name           06/14/2018 15:02         3.65 mg/L         L2113184-1         Shawnigan Lake-intake           Total Trihalomethanes / TTHM         Sample ID         Sampling Point Name           08/01/2018 10:05         0.0648 mg/L         L2140357-1         S1-2209 McKean Rd           06/14/2018 15:02         < 0.0020 mg/L		/		
Total Kjeldahl Nitrogen / TKN         Sample ID         Sampling Point Name           06/14/2018 15:02         0.182 mg/L         L2113184-1         Shawnigan Lake-intake           Total Organic Carbon / TOC         Sample ID         Sampling Point Name           06/14/2018 15:02         3.65 mg/L         L2113184-1         Shawnigan Lake-intake           Total Trihalomethanes / TTHM         Sample ID         Sampling Point Name           08/01/2018 10:05         0.0648 mg/L         L2140357-1         S1-2209 McKean Rd           06/14/2018 15:02         < 0.0020 mg/L	* 06/14/2018	•	•	. •
06/14/2018 15:02         0.182 mg/L         L2113184-1         Shawnigan Lake-intake           Total Organic Carbon / TOC         Sample ID         Sampling Point Name           06/14/2018 15:02         3.65 mg/L         L2113184-1         Shawnigan Lake-intake           Total Trihalomethanes / TTHM         Sample ID         Sampling Point Name           08/01/2018 10:05         0.0648 mg/L         L2140357-1         S1-2209 McKean Rd           06/14/2018 15:02         < 0.0020 mg/L	* 06/14/2018 15:02	> 1 counts/100ml	L2113184-1	Shawnigan Lake-intake
Total Organic Carbon / TOC         Sample ID         Sampling Point Name           06/14/2018 15:02         3.65 mg/L         L2113184-1         Shawnigan Lake-intake           Total Trihalomethanes / TTHM         Sample ID         Sampling Point Name           08/01/2018 10:05         0.0648 mg/L         L2140357-1         S1-2209 McKean Rd           06/14/2018 15:02         < 0.0020 mg/L	* 06/14/2018 15:02 Total Dissolved Solids	> 1 counts/100ml	L2113184-1 Sample ID	Shawnigan Lake-intake Sampling Point Name
06/14/2018 15:02         3.65 mg/L         L2113184-1         Shawnigan Lake-intake           Total Trihalomethanes / TTHM         Sample ID         Sampling Point Name           08/01/2018 10:05         0.0648 mg/L         L2140357-1         S1-2209 McKean Rd           06/14/2018 15:02         < 0.0020 mg/L	* 06/14/2018 15:02 Total Dissolved Solids 06/14/2018 15:02	> 1 counts/100ml s / TDS 53 mg/L	<b>Sample ID</b> L2113184-1	Shawnigan Lake-intake  Sampling Point Name Shawnigan Lake-intake
06/14/2018 15:02         3.65 mg/L         L2113184-1         Shawnigan Lake-intake           Total Trihalomethanes / TTHM         Sample ID         Sampling Point Name           08/01/2018 10:05         0.0648 mg/L         L2140357-1         S1-2209 McKean Rd           06/14/2018 15:02         < 0.0020 mg/L	* 06/14/2018 15:02 Total Dissolved Solids 06/14/2018 15:02 Total Kjeldahl Nitroge	> 1 counts/100ml s / TDS 53 mg/L n / TKN	L2113184-1  Sample ID  L2113184-1  Sample ID	Shawnigan Lake-intake  Sampling Point Name Shawnigan Lake-intake  Sampling Point Name
08/01/2018 10:05       0.0648 mg/L       L2140357-1       S1-2209 McKean Rd         06/14/2018 15:02       < 0.0020 mg/L	* 06/14/2018 15:02 Total Dissolved Solids 06/14/2018 15:02 Total Kjeldahl Nitroge 06/14/2018 15:02	> 1 counts/100ml s / TDS 53 mg/L n / TKN 0.182 mg/L	L2113184-1  Sample ID L2113184-1  Sample ID L2113184-1	Shawnigan Lake-intake  Sampling Point Name Shawnigan Lake-intake  Sampling Point Name Shawnigan Lake-intake
08/01/2018 10:05       0.0648 mg/L       L2140357-1       S1-2209 McKean Rd         06/14/2018 15:02       < 0.0020 mg/L	* 06/14/2018 15:02 Total Dissolved Solids 06/14/2018 15:02 Total Kjeldahl Nitroge 06/14/2018 15:02 Total Organic Carbon	> 1 counts/100ml s / TDS 53 mg/L n / TKN 0.182 mg/L	L2113184-1  Sample ID L2113184-1  Sample ID L2113184-1  Sample ID	Shawnigan Lake-intake  Sampling Point Name Shawnigan Lake-intake  Sampling Point Name Shawnigan Lake-intake  Sampling Point Name
06/14/2018 15:02       < 0.0020 mg/L	* 06/14/2018 15:02 Total Dissolved Solids 06/14/2018 15:02 Total Kjeldahl Nitroge 06/14/2018 15:02 Total Organic Carbon 06/14/2018 15:02	> 1 counts/100ml s / TDS 53 mg/L n / TKN 0.182 mg/L / TOC 3.65 mg/L	L2113184-1  Sample ID L2113184-1  Sample ID L2113184-1  Sample ID L2113184-1	Shawnigan Lake-intake  Sampling Point Name Shawnigan Lake-intake  Sampling Point Name Shawnigan Lake-intake  Sampling Point Name Shawnigan Lake-intake
Trichloroacetic acid         Sample ID         Sampling Point Name           08/01/2018 10:05         0.0328 mg/L         L2140357-1         S1-2209 McKean Rd           06/14/2018 15:02         < 0.0010 mg/L	* 06/14/2018 15:02 Total Dissolved Solids 06/14/2018 15:02 Total Kjeldahl Nitroge 06/14/2018 15:02 Total Organic Carbon 06/14/2018 15:02 Total Trihalomethanes	> 1 counts/100ml s / TDS 53 mg/L n / TKN 0.182 mg/L / TOC 3.65 mg/L	L2113184-1  Sample ID L2113184-1  Sample ID L2113184-1  Sample ID L2113184-1  Sample ID	Shawnigan Lake-intake  Sampling Point Name
08/01/2018 10:05       0.0328 mg/L       L2140357-1       S1-2209 McKean Rd         06/14/2018 15:02       < 0.0010 mg/L	* 06/14/2018 15:02 Total Dissolved Solids 06/14/2018 15:02 Total Kjeldahl Nitroge 06/14/2018 15:02 Total Organic Carbon 06/14/2018 15:02 Total Trihalomethanes 08/01/2018 10:05	> 1 counts/100ml  5 / TDS  53 mg/L  n / TKN  0.182 mg/L  / TOC  3.65 mg/L  5 / TTHM  0.0648 mg/L	L2113184-1  Sample ID L2113184-1  Sample ID L2113184-1  Sample ID L2113184-1  Sample ID L2140357-1	Shawnigan Lake-intake  Sampling Point Name S1-2209 McKean Rd
06/14/2018 15:02 < 0.0010 mg/L L2113184-1 Shawnigan Lake-intake  Turbidity Sample ID Sampling Point Name	* 06/14/2018 15:02 Total Dissolved Solids 06/14/2018 15:02 Total Kjeldahl Nitroge 06/14/2018 15:02 Total Organic Carbon 06/14/2018 15:02 Total Trihalomethanes 08/01/2018 10:05 06/14/2018 15:02	> 1 counts/100ml  5 / TDS  53 mg/L  n / TKN  0.182 mg/L  / TOC  3.65 mg/L  5 / TTHM  0.0648 mg/L	L2113184-1  Sample ID L2113184-1  Sample ID L2113184-1  Sample ID L2113184-1  Sample ID L2113184-1  L2113184-1	Shawnigan Lake-intake  Sampling Point Name S1-2209 McKean Rd Shawnigan Lake-intake
Turbidity Sample ID Sampling Point Name	* 06/14/2018 15:02 Total Dissolved Solids 06/14/2018 15:02 Total Kjeldahl Nitroge 06/14/2018 15:02 Total Organic Carbon 06/14/2018 15:02 Total Trihalomethanes 08/01/2018 10:05 06/14/2018 15:02 Trichloroacetic acid	> 1 counts/100ml  5 / TDS  53 mg/L  n / TKN  0.182 mg/L  / TOC  3.65 mg/L  5 / TTHM  0.0648 mg/L  < 0.0020 mg/L	L2113184-1  Sample ID L2113184-1  Sample ID L2113184-1  Sample ID L2113184-1  Sample ID L2140357-1 L2113184-1  Sample ID	Shawnigan Lake-intake  Sampling Point Name S1-2209 McKean Rd Shawnigan Lake-intake  Sampling Point Name
	* 06/14/2018 15:02 Total Dissolved Solids 06/14/2018 15:02 Total Kjeldahl Nitroge 06/14/2018 15:02 Total Organic Carbon 06/14/2018 15:02 Total Trihalomethanes 08/01/2018 10:05 06/14/2018 15:02 Trichloroacetic acid 08/01/2018 10:05	> 1 counts/100ml  5 / TDS  53 mg/L  n / TKN  0.182 mg/L  / TOC  3.65 mg/L  5 / TTHM  0.0648 mg/L  < 0.0020 mg/L  0.0328 mg/L	L2113184-1  Sample ID L2113184-1  Sample ID L2113184-1  Sample ID L2113184-1  Sample ID L2140357-1 L2113184-1  Sample ID L2140357-1	Shawnigan Lake-intake  Sampling Point Name S1-2209 McKean Rd Shawnigan Lake-intake  Sampling Point Name S1-2209 McKean Rd
	* 06/14/2018 15:02 Total Dissolved Solids 06/14/2018 15:02 Total Kjeldahl Nitroge 06/14/2018 15:02 Total Organic Carbon 06/14/2018 15:02 Total Trihalomethanes 08/01/2018 10:05 06/14/2018 15:02 Trichloroacetic acid 08/01/2018 10:05	> 1 counts/100ml  5 / TDS  53 mg/L  n / TKN  0.182 mg/L  / TOC  3.65 mg/L  5 / TTHM  0.0648 mg/L  < 0.0020 mg/L  0.0328 mg/L	L2113184-1  Sample ID L2113184-1  Sample ID L2113184-1  Sample ID L2113184-1  Sample ID L2140357-1 L2113184-1  Sample ID L2140357-1	Shawnigan Lake-intake  Sampling Point Name S1-2209 McKean Rd Shawnigan Lake-intake  Sampling Point Name S1-2209 McKean Rd
	* 06/14/2018 15:02 Total Dissolved Solids 06/14/2018 15:02 Total Kjeldahl Nitroge 06/14/2018 15:02 Total Organic Carbon 06/14/2018 15:02 Total Trihalomethanes 08/01/2018 10:05 06/14/2018 15:02 Trichloroacetic acid 08/01/2018 10:05 06/14/2018 15:02	> 1 counts/100ml  5 / TDS  53 mg/L  n / TKN  0.182 mg/L  / TOC  3.65 mg/L  5 / TTHM  0.0648 mg/L  < 0.0020 mg/L  0.0328 mg/L	Sample ID L2113184-1  Sample ID L2113184-1  Sample ID L2113184-1  Sample ID L2140357-1 L2113184-1  Sample ID L2140357-1 L2113184-1	Shawnigan Lake-intake  Sampling Point Name S1-2209 McKean Rd Shawnigan Lake-intake  Sampling Point Name S1-2209 McKean Rd Shawnigan Lake-intake

<b>Annual Report Shawnigan Lake North Water</b>	•
01/01/2018 - 12/31/2018 (mm/dd/yyyy)	

# Cowichan Valley Regional District Shawnigan Lake North Water (SLNW)

Uranium (total)		Sample ID	Sampling Point Name
06/14/2018 15:02	< 0.00010 mg/L	L2113184-1	Shawnigan Lake-intake
Vanadium (total)		Sample ID	Sampling Point Name
06/14/2018 15:02	< 0.030 mg/L	L2113184-1	Shawnigan Lake-intake
Zinc (total)		Sample ID	Sampling Point Name
06/14/2018 15:02	0.0094 mg/L	L2113184-1	Shawnigan Lake-intake

#### Result Legend:

P=present, A=absent, PR=presumptive, ND=non-detect, OR=over-range, OG=overgrown, Y=yes, N=no, TNTC=too numerous to count, NR=no result, NT=not tested, IG=ignore, ER=external report, SC=see comment

- < means less than lower detection limit shown
- > means greater than upper detection limit shown
- « means detected & less than number shown
- » means detected & greater than number shown



<sup>\*</sup> Indicates Criteria is exceeded

#### Client/Code

Cowichan Valley Regional District 175 Ingram St Duncan. BC V9L 1N8

Date 07Aua18 11:56a No. W141873

Source FWS

Type of Sample 1um wound filter

No. of Samples 2

TEL: (250) 746-2530 Email: group

CommentsArrival temp.: 20.00 Sampler: Rod Lama

#### PARASITE ANALYSIS

	<u>Sample</u>	Cysts/100L	Organisms Identified	Comments
1	Shawnigan L N.Water System 02Aug18 10:22a P.I.#2 180 Ltrs	0.10 0.10	Giardia (cysts) Cryptosporidium (oocysts)	-protozoan; enteric parasite -protozoan; enteric parasite
2	Youbou Sys TB 02Aug18 12:14p 150 Ltrs	ND ND	Giardia (cysts) Cryptosporidium (oocysts)	-protozoan; enteric parasite -protozoan; enteric parasite

Detection Limit = 1 per 100L \* Lab Test Recovery = 94.6%

\* test is strongly influenced by volume collected, amount & type of sediment present

ND = none detected

ref: Direct Antibody -Hydrofluor Meridian

Monitoring for Giardia & Cryptosporidium, JL Clancy, WD Gollnitz & Z Tabib, 1994 Prop. ICR Protozoan Methods for Detection of Giardia Cysts and Cryptospordium Oocysts in Water by Fluorescent Antibody Procedures 1993

US EPA Consensus Method for Determing Groundwaters Under the Direct Influence of Surface Water Using Microscopic Particulate Analysis (MPA), Vasconcelos, J., S. Harris., 1992

Manual of Clinical Microbiology, EH Lennette etal. Am. Soc for Microbiology Clinical Diagnosis by Laboratory Methods, Davidson & Henry

Veterinary Clinical Parastiology, MW Sloss, RL Kemp. Iowa State Univ. Press 5th ed.

Parasitology for Vetinarians, JR Georgi & ME Georgi. WB Saunders & Co., 1990 Personal Communications re methodologies & taxonomy: US EPA -S. Harris,

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