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<b>Report Trans</b>	mission Cover Page				
Bill To:	Gillies Bay Improvement District PO Box 102	Project ID: Project Name: Project Location:	Raw Water Baseline	Lot ID: Control Number:	1533811
	VON 1W0	LSD:	4600 Gillies Bay Rd.	Date Received:	Nov 4, 2021
Attn:	Accounts Payable	P.O.:		Report Number:	2687949
Sampled By:	Ken Taylor	Proj. Acct. code:			
Company:	G.B.I.D.				
Contact	Company		Address		
Accounts Payable Gillies Bay Improvement District		nent District	PO Box 102		
			Gillies Bay, BC Vol	N 1W0	
			Phone: (604) 414	-7459 Fax:	
			Email: accountin	g@gillies-bay.ca	
Delivery	Format		Deliv	rerables	
Email - Single R	eport PDF		Invoi	се	
Ken Taylor	Gillies Bay Improven	nent District	PO Box 237		
			Gillies Bay, BC Vol	N 1W0	
			Phone: (604) 414	-3703 Fax:	
			Email: water@gi	llies-bay.ca,	
Delivery	<u>Format</u>		Deliv	verables	
Email - Merge R	eports PDF		COC	: / Test Report	
Email - Single R	eport PDF		COA		

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Analytical Re	port					
Bill To: Attn: Sampled By: Company:	Gillies Bay Improvement Dis PO Box 102 Gillies Bay, BC, Canada V0N 1W0 Accounts Payable Ken Taylor G.B.I.D.	strict Project ID: Project Name: Project Location: LSD: P.O.: Proj. Acct. code:	Raw Water Baseline Gillies Bay 4600 Gillies Bay Rd.	Contro Date Date Repor	Lot ID: <b>1533</b> ol Number: Received: Nov 4, 2 Reported: Nov 10, rt Number: 2687949	<b>811</b> 2021 2021 9
		Reference Number Sample Date Sample Time	1533811-1 November 02, 2 08:30	021		
		Sample Location Sample Description Sample Matrix	Raw Water / An Drinking Water	nual Baseline / 18.2	°C	
Analyte		Units	Result	Nominal Detection Limit	Guideline Limit	Guideline Comments
norganic Nonme	etallic Parameters					
Organic Carbon Metals Extractab	Total Nonpurgea	able mg/L	7.9	0.5		
Aluminum	Extractable	mg/L	0.002	0.001	0.1 OG; 2.9 MAC	Below OG
Antimony	Extractable	mg/L	0.00002	0.00002	0.006	Below MAC
Arsenic	Extractable	mg/L	0.0002	0.0001	0.010	Below MAC
Barium	Extractable	mg/L	0.0037	0.0001	2.0	Below MAC
Boron	Extractable	mg/L	0.004	0.002	5	Below MAC
Cadmium	Extractable	mg/L	<0.00001	0.00001	0.007	Below MAC
Chromium	Extractable	mg/L	<0.00005	0.00005	0.05	Below MAC
Copper	Extractable	mg/L	0.0015	0.0005	1 AO; 2 MAC	Below AO
Lead	Extractable	mg/L	0.00009	0.00001	0.005	Below MAC
Selenium	Extractable	mg/L	<0.0002	0.0002	0.05	Below MAC
Strontium	Extractable	mg/L	0.052	0.0001	7.0	Below MAC
Uranium	Extractable	mg/L	0.00001	0.00001	0.02	Below MAC
Vanadium	Extractable	mg/L	<0.00005	0.00005		
Zinc	Extractable	mg/L	0.0057	0.0005	5.0	Below AO
Metals Total						
Mercury	Total	mg/L	<0.00001	0.00005	0.001	Below MAC
Physical and Age	gregate Properties			_		
Colour	True	Colour units	19	5		
		NIU	0.35	0.1	0.1	Above OG
coutine water	_		<b>E</b> vereded			
рн - ноiaing Tim <sub>2</sub> ц	et 25 °C		Exceeded	0.01	70105	Within Dongo
PIT	al 20 °C	us/om at 25 °C	∠۵. <i>۲</i> 110	0.01	0-10.5	within Range
	Evtractable	μο/offi at 20 °C	15	1 0.01		
Iron	Extractable	mg/L	0.075	0.01	03	
Magnesium	Fytractable	mg/L	1.8	0.004	0.5	DEIOW AU
Manganese	Extractable	mg/L	0.004	0.001	0.02 AO; 0.12	Below AO
Potassium	Extractable	ma/L	0.29	0.04	MAC	
Silicon	Extractable	mg/L	1.7	0.005		
Sodium	Extractable	mg/L	3.6	0.1	200	Below AO
T-Alkalinity	as CaCO3	mg/L	49	5		
Chloride	Dissolved	mg/L	5.34	0.05	250	Below AO
Fluoride	Dissolved	mg/L	<0.01	0.01	1.5	Below MAC
Nitrate - N	Dissolved	mg/L	0.02	0.01	10	Below MAC
Nitrite - N	Dissolved	mg/L	<0.01	0.01	1	Below MAC
Sulfata (SO4)	Dissolved	ma/l	2.3	0.1	500	Below AO



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		Reference Number	1533811-1					
		Sample Date	November 02,	2021				
		Sample Time	08:30					
		Sample Location						
	S	ample Description	Raw Water / A	nnual Baseline / 18.2 °	2			
		Sample Matrix	Drinking Wate	r				
Analyte		Units	Result	Nominal Detection Limit	Guidel Limi	ine C t C	Buideline omments	
Routine Water -	- Continued							
Hardness	as CaCO3 (extractable)	mg/L	46	1				
Total Dissolved	Solids Extractable	mg/L	63	1	500	E	Below AO	

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Approved by: Max Hewitt **Operations Manager** 

Data have been validated by Analytical Quality Control and Element's Integrated Data Validation System (IDVS). Generation and distribution of the report, and approval by the digitized signature above, are performed through a secure and controlled automatic process.



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Control Number:

Date Received:

## Methodology and Notes

Bill To:	Gillies Bay Improvement District	Project ID:	
	PO Box 102	Project Name:	Raw Water Baseline
	Gillies Bay, BC, Canada	Project Location:	Gillies Bay
	VON 1W0	LSD:	4600 Gillies Bay Rd.
Attn:	Accounts Payable	P.O.:	
Sampled By:	Ken Taylor	Proj. Acct. code:	
Company:	G.B.I.D.		

## **Method of Analysis**

Method Name	Reference	Method	Date Analysis Started	Location			
Alk, pH, EC, Turb in water (BC)	APHA	* Alkalinity - Titration Method, 2320 B	Nov 9, 2021	Element Vancouver			
Alk, pH, EC, Turb in water (BC)	APHA	* Conductivity, 2510 B	Nov 9, 2021	Element Vancouver			
Alk, pH, EC, Turb in water (BC)	APHA	* pH - Electrometric Method, 4500-H+ B	Nov 9, 2021	Element Vancouver			
Anions by IEC in water (VAN)	APHA	<ul> <li>Ion Chromatography with Chemical Suppression of Eluent Cond., 4110 B</li> </ul>	Nov 4, 2021	Element Vancouver			
Carbon Organic (Total) in water (TOC)	APHA	High-Temperature Combustion Method, 5310 B	Nov 5, 2021	Element Edmonton - Roper Road			
Mercury Low Level (Total) in water (VAN)	EPA	* Mercury in Water by Cold Vapor Atomic Fluorescence Spectrometry, 245.7	Nov 9, 2021	Element Vancouver			
Metals SemiTrace (Extractable) in water (VAN)	US EPA	* Metals & Trace Elements by ICP-AES, 6010C	Nov 8, 2021	Element Vancouver			
Trace Metals (extractable) in Water (VAN)	US EPA	<ul> <li>Determination of Trace Elements in Waters and Wastes by ICP-MS, 200.8</li> </ul>	Nov 8, 2021	Element Vancouver			
True Color in water (VAN)	APHA	<ul> <li>* Spectrophotometric - Single Wavelength Method, 2120 C</li> </ul>	Nov 5, 2021	Element Vancouver			
Turbidity - Water (VAN)	APHA	* Turbidity - Nephelometric Method, 2130 B	Nov 5, 2021	Element Vancouver			

\* Reference Method Modified

## References

APHA	Standard Methods for the Examination of Water and Wastewater
EPA	Environmental Protection Agency Test Methods - US
US EPA	US Environmental Protection Agency Test Methods

## Guidelines

Guideline Description	Health Canada GCDWQ
Guideline Source	Guidelines for Canadian Drinking Water Quality, Health Canada, Sept 2020
Guideline Comments	MAC = Maximum Acceptable Concentration
	AO = Aesthetic Objective
	OG = Operational Guideline for Water Treatment Plants
	(does not apply to private groundwater wells).
	Refer to Health Canada for complete guidelines at www.hc-sc.gc.ca

The comparison of test results to guideline limits is provided for information purposes only. This is not to be taken as a statement of conformance / nonconformance to any guideline, regulation or limit. The data user is responsible for all conclusions drawn with respect to the data and is advised to consult official regulatory references when evaluating compliance.

Please direct any inquiries regarding this report to our Client Services group. Results relate only to samples as submitted.

The test report shall not be reproduced except in full, without the written approval of the laboratory.

Lot ID: 1533811

Date Reported: Nov 10, 2021 Report Number: 2687949

Nov 4, 2021

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Project	Location: GILLIES	BAY	Cell:	1, 77,5			Cell:	604	- 414 -	3703			Sam	pled	by:	KE	EN T	AYL	2R
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