

REPORTED TO Regional District of Thompson Nicola
300 - 465 Victoria Street
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ATTENTION Shawn Kratchmer

WORK ORDER 7091785

PO NUMBER

RECEIVED / TEMP 2017-09-19 08:00 / 14°C

PROJECT Walhachin CWS

REPORTED 2017-09-26

PROJECT INFO

COC NUMBER B 51132

General Comments:

CARO Analytical Services employs methods which are conducted according to procedures accepted by appropriate regulatory agencies, and/or are conducted in accordance with recognized professional standards using accepted testing methodologies and quality control efforts, except where otherwise agreed to by the client.

The results in this report apply to the samples analyzed in accordance with the Chain of Custody or Sample Requisition document. This analytical report must be reproduced in its entirety. CARO is not responsible for any loss or damage resulting directly or indirectly from error or omission in the conduct of testing. Liability is limited to the cost of analysis. Samples will be disposed of 30 days after the test report has been issued unless otherwise agreed to in writing.



Authorized By:

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Account Manager

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Analysis Description	Method Reference	Technique	Location
Alkalinity in Water	APHA 2320 B*	Titration with H2SO4	Kelowna
Colour, True in Water	APHA 2120 C	Spectrophotometry (456 nm)	Kelowna
Conductivity in Water	APHA 2510 B	Conductivity Meter	Kelowna
Transmissivity at 254 nm in Water	APHA 5910 B*	Ultraviolet Absorption	Kelowna

Note: An asterisk in the Method Reference indicates that the CARO method has been modified from the reference method

Method Reference Descriptions:

APHA Standard Methods for the Examination of Water and Wastewater, 22nd Edition, American Public Health Association/American Water Works Association/Water Environment Federation

Glossary of Terms:

MRL Method Reporting Limit
 < Less than the Reported Detection Limit (RDL) - the RDL may be higher than the MRL due to various factors such as dilutions, limited sample volume, high moisture, or interferences
 AO Aesthetic objective
 MAC Maximum acceptable concentration (health based)
 OG Operational guideline (treated water)
 % T Percent Transmittance
 CU Colour Units (referenced against a platinum cobalt standard)
 mg/L Milligrams per litre
 µS/cm Microsiemens per centimetre

Standards / Guidelines Referenced in this Report:

Guidelines for Canadian Drinking Water Quality (Feb 2017)

Website: http://www.hc-sc.gc.ca/ewh-semt/alt_formats/pdf/pubs/water-eau/sum_guide-res_recom/sum_guide-res_recom-eng.pdf

Note: In some cases, the values displayed on the report represent the lowest guideline and are to be verified by the end user

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Analyte	Result / Recovery	Standard / Guideline	MRL / Units Limits	Prepared	Analyzed	Notes
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Sample ID: Walhachin CWS - Pumphouse (7091785-01) [Water] Sampled: 2017-09-18 12:55

General Parameters

Alkalinity, Total (as CaCO ₃)	38.8	N/A	1.0 mg/L	N/A	2017-09-21	
Alkalinity, Phenolphthalein (as CaCO ₃)	< 1.0	N/A	1.0 mg/L	N/A	2017-09-21	
Alkalinity, Bicarbonate (as CaCO ₃)	38.8	N/A	1.0 mg/L	N/A	2017-09-21	
Alkalinity, Carbonate (as CaCO ₃)	< 1.0	N/A	1.0 mg/L	N/A	2017-09-21	
Alkalinity, Hydroxide (as CaCO ₃)	< 1.0	N/A	1.0 mg/L	N/A	2017-09-21	
Colour, True	< 5.0	AO ≤ 15	5.0 CU	N/A	2017-09-21	
Conductivity (EC)	101	N/A	2.0 µS/cm	N/A	2017-09-21	
UV Transmittance @ 254nm	94.3	N/A	0.10 % T	N/A	2017-09-22	