



**Environmental Division**

**Certificate of Analysis**

OZ MINERALS CANADA RESOURCES INC.

ATTN: ANDREW MITCHELL

200 - 1159 ALLOY DRIVE

THUNDER BAY ON P7B 6M8

Report Date: 31-JUL-09 12:05 (MT)

Version: FINAL

Lab Work Order #: **L797734**

Date Received: **28-JUL-09**

Project P.O. #: 09-00623

Job Reference:

Legal Site Desc: CONTWOYTO LAKE ANNUAL COOLER#2

CofC Numbers: 08-012357

Other Information:

Comments:

  
JENNIFER MCLAUGHLIN  
Account Manager

THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN AUTHORITY OF THE LABORATORY.  
ALL SAMPLES WILL BE DISPOSED OF AFTER 30 DAYS FOLLOWING ANALYSIS. PLEASE CONTACT THE LAB IF YOU  
REQUIRE ADDITIONAL SAMPLE STORAGE TIME.

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L797734-1	COOLER#2								
Sampled By: RANDY C on 27-JUL-09 @ 10:30									
Matrix: WATER									
Total Metals - CCME									
Mercury (Hg) - Total									
	Mercury (Hg)-Total	<0.00010		0.00010	mg/L		29-JUL-09	DEO	R886643
Total Metals in Water by ICPMS (Low)									
	Aluminum (Al)-Total	0.010		0.010	mg/L		30-JUL-09	SYF	R888100
	Antimony (Sb)-Total	<0.00040		0.00040	mg/L		30-JUL-09	SYF	R888100
	Arsenic (As)-Total	0.00061		0.00040	mg/L		30-JUL-09	SYF	R888100
	Barium (Ba)-Total	<0.0030		0.0030	mg/L		30-JUL-09	SYF	R888100
	Beryllium (Be)-Total	<0.0010		0.0010	mg/L		30-JUL-09	SYF	R888100
	Boron (B)-Total	<0.050		0.050	mg/L		30-JUL-09	SYF	R888100
	Cadmium (Cd)-Total	0.000157		0.000050	mg/L		30-JUL-09	SYF	R888100
	Chromium (Cr)-Total	<0.0050		0.0050	mg/L		30-JUL-09	SYF	R888100
	Cobalt (Co)-Total	<0.0020		0.0020	mg/L		30-JUL-09	SYF	R888100
	Copper (Cu)-Total	0.0014		0.0010	mg/L		30-JUL-09	SYF	R888100
	Lead (Pb)-Total	0.00030		0.00010	mg/L		30-JUL-09	SYF	R888100
	Lithium (Li)-Total	<0.010		0.010	mg/L		30-JUL-09	SYF	R888100
	Molybdenum (Mo)-Total	<0.0050		0.0050	mg/L		30-JUL-09	SYF	R888100
	Nickel (Ni)-Total	<0.0020		0.0020	mg/L		30-JUL-09	SYF	R888100
	Selenium (Se)-Total	<0.00040		0.00040	mg/L		30-JUL-09	SYF	R888100
	Silver (Ag)-Total	<0.00010		0.00010	mg/L		30-JUL-09	SYF	R888100
	Thallium (Tl)-Total	<0.00010		0.00010	mg/L		30-JUL-09	SYF	R888100
	Tin (Sn)-Total	<0.050		0.050	mg/L		30-JUL-09	SYF	R888100
	Titanium (Ti)-Total	<0.0010		0.0010	mg/L		30-JUL-09	SYF	R888100
	Uranium (U)-Total	<0.00010		0.00010	mg/L		30-JUL-09	SYF	R888100
	Vanadium (V)-Total	<0.0010		0.0010	mg/L		30-JUL-09	SYF	R888100
	Zinc (Zn)-Total	0.0042		0.0040	mg/L		30-JUL-09	SYF	R888100
Total Metals in Water by ICPOES (Low)									
	Calcium (Ca)-Total	0.91		0.50	mg/L		29-JUL-09	CLR	R886576
	Iron (Fe)-Total	<0.010		0.010	mg/L		29-JUL-09	CLR	R886576
	Magnesium (Mg)-Total	0.44		0.10	mg/L		29-JUL-09	CLR	R886576
	Manganese (Mn)-Total	<0.0020		0.0020	mg/L		29-JUL-09	CLR	R886576
	Potassium (K)-Total	0.47		0.10	mg/L		29-JUL-09	CLR	R886576
	Sodium (Na)-Total	<1.0		1.0	mg/L		29-JUL-09	CLR	R886576
	MF - Fecal Coliforms	1		1	CFU/100 mL		28-JUL-09	PB	R889143
	Total Suspended Solids	<3.0		3.0	mg/L		29-JUL-09	SVG	R886439
pH and Conductivity									
	pH	6.73		0.10	pH		28-JUL-09	CLTT	R882604
	Conductivity (EC)	13.9		0.20	uS/cm		28-JUL-09	CLTT	R882604
* Refer to Referenced Information for Qualifiers (if any) and Methodology.									

## Reference Information

### Methods Listed (if applicable):

ALS Test Code	Matrix	Test Description	Preparation Method Reference(Based On)	Analytical Method Reference(Based On)
FCC-MF-PB	Water	Fecal Coliform Count-MF		APHA 9222D MF
HG-T-CVAA-ED	Water	Mercury (Hg) - Total		EPA 245.7 / EPA 245.1
MET-T-L-ICP-ED	Water	Total Metals in Water by ICPOES (Low)	EPA3015	EPA 200.7
MET-T-L-MS-ED	Water	Total Metals in Water by ICPMS (Low)	EPA3015	EPA 6020
PH/EC-ED	Water	pH and Conductivity		APHA 4500-H, 2510
SOLIDS-TOTSUS-ED	Water	Total Suspended Solids		APHA 2540 D-Gravimetric

\*\* Laboratory Methods employed follow in-house procedures, which are generally based on nationally or internationally accepted methodologies.

Chain of Custody numbers:

08-012357

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location	Laboratory Definition Code	Laboratory Location
PB	PBR LABORATORIES	ED	ALS LABORATORY GROUP - EDMONTON, ALBERTA, CANADA

### GLOSSARY OF REPORT TERMS

*Surr - A surrogate is an organic compound that is similar to the target analyte(s) in chemical composition and behavior but not normally detected in environmental samples. Prior to sample processing, samples are fortified with one or more surrogate compounds.*

*The reported surrogate recovery value provides a measure of method efficiency. The Laboratory control limits are determined under column heading D.L.*

*mg/kg (units) - unit of concentration based on mass, parts per million.*

*mg/L (units) - unit of concentration based on volume, parts per million.*

*< - Less than.*

*D.L. - The reporting limit.*

*N/A - Result not available. Refer to qualifier code and definition for explanation.*

*Test results reported relate only to the samples as received by the laboratory.*

*UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.*

*UNLESS OTHERWISE STATED, SAMPLES ARE NOT CORRECTED FOR CLIENT FIELD BLANKS.*

*Although test results are generated under strict QA/QC protocols, any unsigned test reports, faxes, or emails are considered preliminary.*

*ALS Laboratory Group has an extensive QA/QC program where all analytical data reported is analyzed using approved referenced procedures followed by checks and reviews by senior managers and quality assurance personnel. However, since the results are obtained from chemical measurements and thus cannot be guaranteed, ALS Laboratory Group assumes no liability for the use or interpretation of the results.*



ALS 090730-20 (09-BTC)

## **CONFIDENTIAL ANALYSIS REPORT**

**REPORT #:** 090730-20

**WO #:** 09-BTC

**PO #:** L797734

**CLIENT:** ALS Laboratory Group - Edmonton  
9936-67 Avenue  
Edmonton, AB  
T6E 0P5

**ATTENTION:** ALS-ED Reporting  
**Tel:** (780) 413-5227  
**Fax:** (780) 437-2311

**SAMPLE DESCRIPTION:** Water Sample

**DATE AND TIME OF SAMPLE COLLECTION:** July 27, 2009

**DATE AND TIME OF SAMPLE RECEIPT:** July 28, 2009/14:49

**SAMPLE TEMPERATURE WHEN RECEIVED:** 9.4° Celsius

**TEST PERFORMED:** Fecal Coliform by MF

**TEST START DATE:** July 28, 2009

**DATE COMPLETED:** July 30, 2009

# Certificate of Analysis

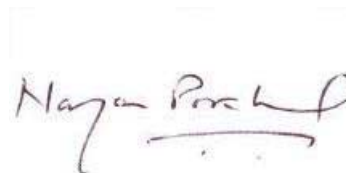
PBR ID	Sample #	Client ID	Lot #	Test	Protocol	Result	Units	Comments
09-BTC-1	L797734-1	COOLER # 2		Fecal Coliform by MF	APHA-9222D	1	CFU/100ml	1

**Comments**

1 CFU = Colony Forming Unit.



Debangshu Bhaumick, Ph.D. (Analyst)  
Date: Jul 30 2009



Approved By: \_\_\_\_\_  
Narayan Pokharel, Ph.D.  
Date: Jul 30 2009

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