



Environmental Division

ANALYTICAL REPORT

ATTN: S. BARHAM

Reported On: 20-SEP-07 02:43 PM

COMAPLEX MINERALS CORP.
901-1015 4TH ST. SW
CALGARY AB T2R 1J4

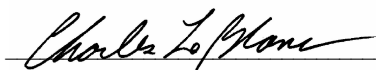
Lab Work Order #: L533001

Date Received: 23-JUL-07

Project P.O. #: MELADINE-WEST 3.393
Job Reference: COMAPLEX MINERALS CORP.
Legal Site Desc:
CofC Numbers: C075434

Other Information:

Comments:


CHARLES LEBLANC
General Manager, Edmonton

For any questions about this report please contact your Account Manager:

MARTA PIETUCHA

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.

ALS Canada Ltd. (formerly ETL Chemspec Analytical Ltd.)
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ALS LABORATORY GROUP ANALYTICAL REPORT

		Sample ID	L533001-1	L533001-2	L533001-3	L533001-4	L533001-5
		Description	LAKE	LAKE	LAKE	LAKE	LAKE
		Sampled Date	18-JUL-07	18-JUL-07	18-JUL-07	18-JUL-07	18-JUL-07
		Sampled Time	09:00	09:15	10:30	10:50	11:15
		Client ID	1 CAMP-IN	2 CAMP-GREY	3 QUARRY	4 CONTROL	6 A8
Grouping	Analyte						
WATER							
Physical Tests	Alkalinity, Total (as CaCO3) (mg/L)	16	11	12	21	30	
	Carbonate (CO3) (mg/L)	<5	<5	<5	<5	<5	
	Conductivity (EC) (uS/cm)	56.8	57.6	55.9	60.3	106	
	pH (pH)	7.4	7.3	7.3	7.6	7.8	
	Hydroxide (OH) (mg/L)	<5	<5	<5	<5	<5	
	Bicarbonate (HCO3) (mg/L)	19	13	14	26	37	
Anions and Nutrients	Calcium (Ca) (mg/L)	5.2	5.3	5.0	6.1	13.7	
	Magnesium (Mg) (mg/L)	0.8	0.8	0.7	0.4	1.6	
	Potassium (K) (mg/L)	0.8	0.7	0.8	1.0	0.8	
	Sodium (Na) (mg/L)	3	3	3	5	2	
	Hardness (as CaCO3) (mg/L)	16	17	15	17	41	
	Chloride (Cl) (mg/L)	7	7	6	6	12	
	Sulfate (SO4) (mg/L)	6.7	3.6	3.4	3.9	3.2	
	Nitrate+Nitrite-N (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	
	Nitrate-N (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	
	Nitrite-N (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05	
	TDS (Calculated) (mg/L)	33	27	26	35	51	
	Ion Balance (%)	Low EC	Low EC	Low EC	Low EC	91.2	
Total Metals	Aluminum (Al) (mg/L)	0.01	0.01	0.02	0.02	0.01	
	Antimony (Sb) (mg/L)	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	
	Arsenic (As) (mg/L)	<0.0004	<0.0004	<0.0004	<0.0004	0.0024	
	Barium (Ba) (mg/L)	0.007	0.007	0.008	0.008	0.014	
	Beryllium (Be) (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	
	Boron (B) (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05	
	Cadmium (Cd) (mg/L)	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
	Calcium (Ca) (mg/L)	5.3	5.2	5.2	6.7	13.4	
	Chromium (Cr) (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	
	Cobalt (Co) (mg/L)	<0.002	<0.002	<0.002	<0.002	<0.002	
	Copper (Cu) (mg/L)	0.002	0.002	0.002	0.002	0.002	
	Iron (Fe) (mg/L)	0.040	0.039	0.040	0.049	0.160	
	Lead (Pb) (mg/L)	<0.0001	<0.0001	<0.0001	0.0004	0.0007	
	Lithium (Li) (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	
	Magnesium (Mg) (mg/L)	0.9	0.9	0.9	0.8	1.7	
	Manganese (Mn) (mg/L)	0.009	0.013	0.010	0.007	0.012	
	Mercury (Hg) (mg/L)	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	
	Molybdenum (Mo) (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	
	Nickel (Ni) (mg/L)	<0.002	<0.002	<0.002	<0.002	<0.002	
	Potassium (K) (mg/L)	0.8	0.7	0.7	0.9	0.8	
	Selenium (Se) (mg/L)	0.0006	0.0005	0.0004	0.0009	0.0008	

ALS LABORATORY GROUP ANALYTICAL REPORT

		Sample ID Description Sampled Date Sampled Time Client ID	L533001-6 STREAM 18-JUL-07 11:40 6 A8-7	L533001-7 POND 18-JUL-07 14:30 7 A9	L533001-8 RIVER 18-JUL-07 13:30 8 ML-R	L533001-9 POND 18-JUL-07 15:00 9 A-38	L533001-10 POND 18-JUL-07 15:30 10 A-15
Grouping	Analyte						
WATER							
Physical Tests	Alkalinity, Total (as CaCO3) (mg/L)	30	52	13	76	36	
	Carbonate (CO3) (mg/L)	<5	<5	<5	<5	<5	
	Conductivity (EC) (uS/cm)	106	759	69.8	456	807	
	pH (pH)	7.7	7.9	7.5	8.2	7.7	
	Hydroxide (OH) (mg/L)	<5	<5	<5	<5	<5	
	Bicarbonate (HCO3) (mg/L)	37	64	16	93	44	
Anions and Nutrients	Calcium (Ca) (mg/L)	13.6	101	6.3	59.3	103	
	Magnesium (Mg) (mg/L)	1.6	11.6	0.9	7.5	14.6	
	Potassium (K) (mg/L)	0.7	3.8	0.9	3.3	2.9	
	Sodium (Na) (mg/L)	2	10	4	8	9	
	Hardness (as CaCO3) (mg/L)	41	300	19	179	317	
	Chloride (Cl) (mg/L)	12	182	8	86	210	
	Sulfate (SO4) (mg/L)	3.2	13.3	3.1	11.4	6.8	
	Nitrate+Nitrite-N (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	
	Nitrate-N (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	
	Nitrite-N (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05	
	TDS (Calculated) (mg/L)	51	353	31	221	368	
	Ion Balance (%)	90.5	101	Low EC	95.7	100	
Total Metals	Aluminum (Al) (mg/L)	<0.01	0.01	0.02	0.02	0.04	
	Antimony (Sb) (mg/L)	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	
	Arsenic (As) (mg/L)	0.0023	0.0041	<0.0004	0.0042	0.0032	
	Barium (Ba) (mg/L)	0.014	0.099	0.010	0.042	0.123	
	Beryllium (Be) (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	
	Boron (B) (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05	
	Cadmium (Cd) (mg/L)	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
	Calcium (Ca) (mg/L)	13.3	95.1	6.2	57.5	96.2	
	Chromium (Cr) (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	
	Cobalt (Co) (mg/L)	<0.002	<0.002	<0.002	<0.002	<0.002	
	Copper (Cu) (mg/L)	0.001	0.004	0.002	0.003	0.003	
	Iron (Fe) (mg/L)	0.142	0.179	0.042	0.170	0.695	
	Lead (Pb) (mg/L)	<0.0001	0.0004	<0.0001	0.0003	0.0001	
	Lithium (Li) (mg/L)	<0.01	0.04	<0.01	0.02	0.03	
	Magnesium (Mg) (mg/L)	1.7	11.2	1.0	7.3	13.4	
	Manganese (Mn) (mg/L)	0.014	0.013	0.004	0.009	0.006	
	Mercury (Hg) (mg/L)	<0.0002	0.0005	<0.0002	<0.0002	0.0004	
	Molybdenum (Mo) (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	
	Nickel (Ni) (mg/L)	<0.002	0.005	<0.002	0.004	0.006	
	Potassium (K) (mg/L)	0.8	4.0	0.9	3.5	3.0	
	Selenium (Se) (mg/L)	0.0004	0.0022	0.0009	0.0007	0.0012	

ALS LABORATORY GROUP ANALYTICAL REPORT

		Sample ID	L533001-1	L533001-2	L533001-3	L533001-4	L533001-5
		Description	LAKE	LAKE	LAKE	LAKE	LAKE
		Sampled Date	18-JUL-07	18-JUL-07	18-JUL-07	18-JUL-07	18-JUL-07
		Sampled Time	09:00	09:15	10:30	10:50	11:15
		Client ID	1 CAMP-IN	2 CAMP-GREY	3 QUARRY	4 CONTROL	6 A8
Grouping	Analyte						
WATER							
Total Metals	Silver (Ag) (mg/L)	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	
	Sodium (Na) (mg/L)	3	3	3	3	2	
	Thallium (Tl) (mg/L)	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	
	Tin (Sn) (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05	
	Titanium (Ti) (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	
	Uranium (U) (mg/L)	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	
	Vanadium (V) (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	
	Zinc (Zn) (mg/L)	0.008	0.011	0.017	0.010	0.009	

ALS LABORATORY GROUP ANALYTICAL REPORT

		Sample ID	L533001-6	L533001-7	L533001-8	L533001-9	L533001-10
		Description	STREAM	POND	RIVER	POND	POND
		Sampled Date	18-JUL-07	18-JUL-07	18-JUL-07	18-JUL-07	18-JUL-07
		Sampled Time	11:40	14:30	13:30	15:00	15:30
		Client ID	6 A8-7	7 A9	8 ML-R	9 A-38	10 A-15
Grouping	Analyte						
WATER							
Total Metals	Silver (Ag) (mg/L)	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	
	Sodium (Na) (mg/L)	2	10	4	8	9	
	Thallium (Tl) (mg/L)	<0.0001	<0.0001	<0.0001	<0.0001	0.0002	
	Tin (Sn) (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05	
	Titanium (Ti) (mg/L)	<0.001	<0.001	0.001	<0.001	<0.001	
	Uranium (U) (mg/L)	<0.0001	0.0001	<0.0001	0.0002	0.0002	
	Vanadium (V) (mg/L)	<0.001	0.001	<0.001	0.001	0.001	
	Zinc (Zn) (mg/L)	0.006	0.008	<0.004	0.012	<0.004	

Reference Information

Qualifiers for Sample Submission Listed:

Qualifier	Description
EHT	Exceeds Recommended Holding Time Prior To Analysis - sample 7 on some routine parameters

Methods Listed (if applicable):

ALS Test Code	Matrix	Test Description	Analytical Method Reference(Based On)
CL-ED	Water	Chloride (Cl)	APHA 4500 Cl E-Colorimetry
ETL-ROUTINE-ICP-ED	Water	ICP metals and SO4 for routine water	APHA 3120 B-ICP-OES
IONBALANCE-ED	Water	Ion Balance Calculation	APHA 1030E
MET1-TOT-CCME-ED	Water	Total Trace Metals	EPA 6020
MET2-TOT-LOW-ED	Water	Total Major Metals	EPA 200.7
N2N3-ED	Water	Nitrate+Nitrite-N	APHA 4500 NO3-H - COLORIMETRY
NO2-ED	Water	Nitrite-N	APHA 4500 NO2B-Colorimetry
NO3-ED	Water	Nitrate-N	APHA 4500 NO3H-Colorimetry
PH/EC/ALK-ED	Water	pH, Conductivity and Total Alkalinity	APHA 4500-H, 2510, 2320

** Laboratory Methods employed follow in-house procedures, which are generally based on nationally or internationally accepted methodologies. The last two letters of the above ALS Test Code column 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
ED	ALS LABORATORY GROUP - EDMONTON, ALBERTA, CANADA		

Reference Information

Methods Listed (if applicable):

ALS Test Code	Matrix	Test Description	Analytical Method Reference(Based On)
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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 enviromental 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.

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

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

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.

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.



Environmental Division

CHAIN OF CUSTODY / ANALYTICAL REQUEST FORM

COC # **C075434**

CANADA TOLL FREE 1-800-668-9878

www.alsenviro.com

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REPORT TO: <u>Comaplex Mine Pcs Corp.</u>		REPORT FORMAT / DISTRIBUTION		SERVICE REQUESTED	
COMPANY:		STANDARD ☒ OTHER		☒ REGULAR SERVICE (DEFAULT)	
CONTACT: <u>S. BARTHAN</u>		PDF ☐ EXCEL ☒ CUSTOM ☐ FAX		RUSH SERVICE (2-3 DAYS)	
ADDRESS: <u>901-1015 4th St. SW.</u>		EMAIL 1: <u>sbarham@comaplex.com</u>		PRIORITY SERVICE (1 DAY or ASAP)	
PHONE: <u>403 265 2846</u> FAX: <u>403 232-1421</u>		EMAIL 2: <u>ddumka@comaplex.com</u>		EMERGENCY SERVICE (<1 DAY / WEEKEND) - CONTACT ALS	
INVOICE TO: SAME AS REPORT? (YES/NO)					
INDICATE BOTTLES: FILTERED / PRESERVED (F/P)					
CLIENT / PROJECT INFORMATION:					
JOB #: <u>MELIADINE - WEST</u>					
PO / AFE: <u>3.393</u>					
Legal Site Description:					
QUOTE #:					
Lab Work Order # (lab use only)		SAMPLER (Initials):		SB.	
SAMPLE IDENTIFICATION (This description will appear on the report)		DATE		SAMPLE TYPE	
1 <u>CAMP - IN</u>		18 JULY 07		LAKE	
2 <u>CAMP - GREY</u>		9:15am		LAKE	
3 <u>QUARRY</u>		10:30am		LAKE	
4 <u>CONTROL</u>		10:50am		LAKE	
5 <u>A8</u>		11:15am		LAKE	
6 <u>A8-7</u>		11:40am		STREAM	
7 <u>A9</u>		2:30pm		POND LAKE	
8 <u>ML-R</u>		1:30pm		RIVER	
9 <u>A-38</u>		3:00pm		POND	
10 <u>A-15</u>		3:30pm		POND	
SPECIAL INSTRUCTIONS / HAZARDOUS DETAILS					
GUIDELINES / REGULATIONS					
<u>CCME PROT OF AQ LIFE</u>					

By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the reverse page of the white report copy.			
RELINQUISHED BY: <u>S. Barthan</u>		RECEIVED BY: <u>Rs @ 14:28</u>	
DATE & TIME: <u>9:08am 30 JUL 2007</u>		DATE & TIME: <u>July 23/07</u>	
RELINQUISHED BY:		RECEIVED BY:	

TEMPERATURE <u>3.5</u>		SAMPLE CONDITION (lab use only) SAMPLES RECEIVED IN GOOD CONDITION? YES / NO (If no provide details)	
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