ANALYTICAL REPORT

COMAPLEX MINERALS

ATTN: S. BARHAM

901, 1015 - 4th STREET SW

CALGARY AB T2R 1J4

Reported On: 10-JUN-08 08:34 AM

Lab Work Order #: **L636726** **Date Received:** **03-JUN-08**

Project P.O. #: 3-393
Job Reference: MELIADINE WEST
Legal Site Desc:
CofC Numbers: C008717

Other Information:

Comments:

CHARLES LEBLANC
General Manager, Edmonton

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

SHANNON LUCHKA

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L636726-1 PRIMARY 1								
Sampled By: NOT PROVIDED on 30-MAY-08 @ 11:20								
Matrix: POND								
Dissolved Metals - CCME								
Dissolved Trace Metals								
Silver (Ag)	<0.0001		0.0001	mg/L		07-JUN-08	MSP	R677257
Aluminum (Al)	<0.01		0.01	mg/L		07-JUN-08	MSP	R677257
Arsenic (As)	0.0039		0.0004	mg/L		07-JUN-08	MSP	R677257
Boron (B)	<0.05		0.05	mg/L		07-JUN-08	MSP	R677257
Barium (Ba)	0.033		0.003	mg/L		07-JUN-08	MSP	R677257
Beryllium (Be)	<0.001		0.001	mg/L		07-JUN-08	MSP	R677257
Cadmium (Cd)	<0.0001		0.0001	mg/L		07-JUN-08	MSP	R677257
Cobalt (Co)	<0.002		0.002	mg/L		07-JUN-08	MSP	R677257
Chromium (Cr)	<0.005		0.005	mg/L		07-JUN-08	MSP	R677257
Copper (Cu)	0.001		0.001	mg/L		07-JUN-08	MSP	R677257
Mercury (Hg)	<0.0001		0.0001	mg/L		07-JUN-08	MSP	R677257
Lithium (Li)	0.008		0.003	mg/L		07-JUN-08	MSP	R677257
Molybdenum (Mo)	<0.005		0.005	mg/L		07-JUN-08	MSP	R677257
Nickel (Ni)	0.004		0.002	mg/L		07-JUN-08	MSP	R677257
Lead (Pb)	0.0001		0.0001	mg/L		07-JUN-08	MSP	R677257
Antimony (Sb)	<0.0004		0.0004	mg/L		07-JUN-08	MSP	R677257
Selenium (Se)	<0.0004		0.0004	mg/L		07-JUN-08	MSP	R677257
Tin (Sn)	<0.05		0.05	mg/L		07-JUN-08	MSP	R677257
Titanium (Ti)	<0.001		0.001	mg/L		07-JUN-08	MSP	R677257
Thallium (Tl)	<0.0001		0.0001	mg/L		07-JUN-08	MSP	R677257
Uranium (U)	<0.0001		0.0001	mg/L		07-JUN-08	MSP	R677257
Vanadium (V)	<0.001		0.001	mg/L		07-JUN-08	MSP	R677257
Zinc (Zn)	0.008		0.002	mg/L		07-JUN-08	MSP	R677257
Iron (Fe)-Dissolved	0.028		0.005	mg/L		06-JUN-08	BOC	R676585
Manganese (Mn)-Dissolved	0.004		0.001	mg/L		06-JUN-08	BOC	R676585
Ammonia-N	2.40		0.05	mg/L		05-JUN-08	LMK	R675615
Phosphorus, Total	0.02		0.02	mg/L	06-JUN-08	09-JUN-08	KFA	R677428
Phosphorus, Total Diss.	<0.02	SFP	0.02	mg/L	06-JUN-08	09-JUN-08	KFA	R677428
Silica Reactive Soluble	2.8		0.1	mg/L		05-JUN-08	SXB	R675872
Total Inorganic Carbon	12		1	mg/L		05-JUN-08	LJD	R676037
Total Kjeldahl Nitrogen	4.1		0.2	mg/L	05-JUN-08	06-JUN-08	LMK	R676157
Total Suspended Solids	<3		3	mg/L		05-JUN-08	SVG	R675727
Turbidity	2.2		0.1	NTU		04-JUN-08	JIH	R675572
Routine Water Analysis								
Chloride (Cl)								
Chloride (Cl)	69		1	mg/L		04-JUN-08	AYX	R675324
ICP metals and SO4 for routine water								
Calcium (Ca)	48.7		0.5	mg/L		06-JUN-08	JWU	R675784
Potassium (K)	3.9		0.5	mg/L		06-JUN-08	JWU	R675784
Magnesium (Mg)	5.6		0.1	mg/L		06-JUN-08	JWU	R675784
Sodium (Na)	9		1	mg/L		06-JUN-08	JWU	R675784
Sulfate (SO4)	6.9		0.5	mg/L		06-JUN-08	JWU	R675784
Ion Balance Calculation								
Ion Balance	106			%		07-JUN-08		
TDS (Calculated)	185			mg/L		07-JUN-08		
Hardness (as CaCO3)	145			mg/L		07-JUN-08		
Nitrate+Nitrite-N	2.1		0.1	mg/L		06-JUN-08	JXD	R676634
Nitrate-N	2.0		0.1	mg/L		06-JUN-08	JXD	R676634

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L636726-1 PRIMARY 1								
Sampled By: NOT PROVIDED on 30-MAY-08 @ 11:20								
Matrix: POND								
Routine Water Analysis								
Nitrite-N	0.09		0.05	mg/L		06-JUN-08	JXD	R676634
pH, Conductivity and Total Alkalinity								
pH	7.6		0.1	pH		04-JUN-08	CLTT	R675079
Conductivity (EC)	374		0.2	uS/cm		04-JUN-08	CLTT	R675079
Bicarbonate (HCO3)	68		5	mg/L		04-JUN-08	CLTT	R675079
Carbonate (CO3)	<5		5	mg/L		04-JUN-08	CLTT	R675079
Hydroxide (OH)	<5		5	mg/L		04-JUN-08	CLTT	R675079
Alkalinity, Total (as CaCO3)	55		5	mg/L		04-JUN-08	CLTT	R675079
L636726-2 PRIMARY 2								
Sampled By: NOT PROVIDED on 30-MAY-08 @ 14:15								
Matrix: POND								
Dissolved Metals - CCME								
Dissolved Trace Metals								
Silver (Ag)	<0.0001		0.0001	mg/L		07-JUN-08	MSP	R677257
Aluminum (Al)	0.01		0.01	mg/L		07-JUN-08	MSP	R677257
Arsenic (As)	0.0055		0.0004	mg/L		07-JUN-08	MSP	R677257
Boron (B)	<0.05		0.05	mg/L		07-JUN-08	MSP	R677257
Barium (Ba)	0.033		0.003	mg/L		07-JUN-08	MSP	R677257
Beryllium (Be)	<0.001		0.001	mg/L		07-JUN-08	MSP	R677257
Cadmium (Cd)	<0.0001		0.0001	mg/L		07-JUN-08	MSP	R677257
Cobalt (Co)	<0.002		0.002	mg/L		07-JUN-08	MSP	R677257
Chromium (Cr)	<0.005		0.005	mg/L		07-JUN-08	MSP	R677257
Copper (Cu)	0.002		0.001	mg/L		07-JUN-08	MSP	R677257
Mercury (Hg)	<0.0001		0.0001	mg/L		07-JUN-08	MSP	R677257
Lithium (Li)	0.013		0.003	mg/L		07-JUN-08	MSP	R677257
Molybdenum (Mo)	<0.005		0.005	mg/L		07-JUN-08	MSP	R677257
Nickel (Ni)	0.004		0.002	mg/L		07-JUN-08	MSP	R677257
Lead (Pb)	<0.0001		0.0001	mg/L		07-JUN-08	MSP	R677257
Antimony (Sb)	<0.0004		0.0004	mg/L		07-JUN-08	MSP	R677257
Selenium (Se)	<0.0004		0.0004	mg/L		07-JUN-08	MSP	R677257
Tin (Sn)	<0.05		0.05	mg/L		07-JUN-08	MSP	R677257
Titanium (Ti)	<0.001		0.001	mg/L		07-JUN-08	MSP	R677257
Thallium (Tl)	<0.0001		0.0001	mg/L		07-JUN-08	MSP	R677257
Uranium (U)	0.0002		0.0001	mg/L		07-JUN-08	MSP	R677257
Vanadium (V)	<0.001		0.001	mg/L		07-JUN-08	MSP	R677257
Zinc (Zn)	0.004		0.002	mg/L		07-JUN-08	MSP	R677257
Iron (Fe)-Dissolved	0.021		0.005	mg/L		06-JUN-08	BOC	R676585
Manganese (Mn)-Dissolved	0.081		0.001	mg/L		06-JUN-08	BOC	R676585
Ammonia-N	1.57		0.05	mg/L		05-JUN-08	LMK	R675615
Phosphorus, Total	0.06		0.02	mg/L	06-JUN-08	09-JUN-08	KFA	R677428
Phosphorus, Total Diss.	<0.02	SFP	0.02	mg/L	06-JUN-08	09-JUN-08	KFA	R677428
Silica Reactive Soluble	2.7		0.1	mg/L		05-JUN-08	SXB	R675872
Total Inorganic Carbon	14		1	mg/L		05-JUN-08	LJD	R676037
Total Kjeldahl Nitrogen	3.3		0.2	mg/L	05-JUN-08	06-JUN-08	LMK	R676157
Total Suspended Solids	44		3	mg/L		05-JUN-08	SVG	R675727
Turbidity	40		0.1	NTU		04-JUN-08	JIH	R675572
Routine Water Analysis								
Chloride (Cl)								
Chloride (Cl)	72		1	mg/L		04-JUN-08	AYX	R675324

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L636726-2 PRIMARY 2								
Sampled By: NOT PROVIDED on 30-MAY-08 @ 14:15								
Matrix: POND								
Routine Water Analysis								
ICP metals and SO4 for routine water								
Calcium (Ca)	50.6		0.5	mg/L		06-JUN-08	JWU	R675784
Potassium (K)	4.0		0.5	mg/L		06-JUN-08	JWU	R675784
Magnesium (Mg)	7.2		0.1	mg/L		06-JUN-08	JWU	R675784
Sodium (Na)	11		1	mg/L		06-JUN-08	JWU	R675784
Sulfate (SO4)	11.8		0.5	mg/L		06-JUN-08	JWU	R675784
Ion Balance Calculation								
Ion Balance	104			%		07-JUN-08		
TDS (Calculated)	203			mg/L		07-JUN-08		
Hardness (as CaCO3)	156			mg/L		07-JUN-08		
Nitrate+Nitrite-N	2.2		0.1	mg/L		04-JUN-08	GUO	R675249
Nitrate-N	2.1		0.1	mg/L		04-JUN-08	GUO	R675249
Nitrite-N	0.09		0.05	mg/L		04-JUN-08	GUO	R675249
pH, Conductivity and Total Alkalinity								
pH	7.7		0.1	pH		04-JUN-08	CLTT	R675079
Conductivity (EC)	390		0.2	uS/cm		04-JUN-08	CLTT	R675079
Bicarbonate (HCO3)	75		5	mg/L		04-JUN-08	CLTT	R675079
Carbonate (CO3)	<5		5	mg/L		04-JUN-08	CLTT	R675079
Hydroxide (OH)	<5		5	mg/L		04-JUN-08	CLTT	R675079
Alkalinity, Total (as CaCO3)	61		5	mg/L		04-JUN-08	CLTT	R675079
L636726-3 A54								
Sampled By: NOT PROVIDED on 30-MAY-08 @ 12:50								
Matrix: LAKE								
Dissolved Metals - CCME								
Dissolved Trace Metals								
Silver (Ag)	<0.0001		0.0001	mg/L		07-JUN-08	MSP	R677257
Aluminum (Al)	<0.01		0.01	mg/L		07-JUN-08	MSP	R677257
Arsenic (As)	0.0023		0.0004	mg/L		07-JUN-08	MSP	R677257
Boron (B)	<0.05		0.05	mg/L		07-JUN-08	MSP	R677257
Barium (Ba)	0.031		0.003	mg/L		07-JUN-08	MSP	R677257
Beryllium (Be)	<0.001		0.001	mg/L		07-JUN-08	MSP	R677257
Cadmium (Cd)	<0.0001		0.0001	mg/L		07-JUN-08	MSP	R677257
Cobalt (Co)	<0.002		0.002	mg/L		07-JUN-08	MSP	R677257
Chromium (Cr)	<0.005		0.005	mg/L		07-JUN-08	MSP	R677257
Copper (Cu)	0.001		0.001	mg/L		07-JUN-08	MSP	R677257
Mercury (Hg)	<0.0001		0.0001	mg/L		07-JUN-08	MSP	R677257
Lithium (Li)	0.016		0.003	mg/L		07-JUN-08	MSP	R677257
Molybdenum (Mo)	<0.005		0.005	mg/L		07-JUN-08	MSP	R677257
Nickel (Ni)	0.003		0.002	mg/L		07-JUN-08	MSP	R677257
Lead (Pb)	<0.0001		0.0001	mg/L		07-JUN-08	MSP	R677257
Antimony (Sb)	<0.0004		0.0004	mg/L		07-JUN-08	MSP	R677257
Selenium (Se)	<0.0004		0.0004	mg/L		07-JUN-08	MSP	R677257
Tin (Sn)	<0.05		0.05	mg/L		07-JUN-08	MSP	R677257
Titanium (Ti)	<0.001		0.001	mg/L		07-JUN-08	MSP	R677257
Thallium (Tl)	<0.0001		0.0001	mg/L		07-JUN-08	MSP	R677257
Uranium (U)	0.0002		0.0001	mg/L		07-JUN-08	MSP	R677257
Vanadium (V)	<0.001		0.001	mg/L		07-JUN-08	MSP	R677257
Zinc (Zn)	0.014		0.002	mg/L		07-JUN-08	MSP	R677257
Iron (Fe)-Dissolved	0.011		0.005	mg/L		06-JUN-08	BOC	R676585
Manganese (Mn)-Dissolved	0.002		0.001	mg/L		06-JUN-08	BOC	R676585

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L636726-3 A54								
Sampled By: NOT PROVIDED on 30-MAY-08 @ 12:50								
Matrix: LAKE								
Ammonia-N	2.56		0.05	mg/L		05-JUN-08	LMK	R675615
Phosphorus, Total	<0.02		0.02	mg/L	06-JUN-08	09-JUN-08	KFA	R677428
Phosphorus, Total Diss.	<0.02	SFP	0.02	mg/L	06-JUN-08	09-JUN-08	KFA	R677428
Silica Reactive Soluble	1.3		0.1	mg/L		05-JUN-08	SXB	R675872
Total Inorganic Carbon	10		1	mg/L		05-JUN-08	LJD	R676037
Total Kjeldahl Nitrogen	3.6		0.2	mg/L	05-JUN-08	06-JUN-08	LMK	R676157
Total Suspended Solids	<3		3	mg/L		05-JUN-08	SVG	R675727
Turbidity	2.0		0.1	NTU		04-JUN-08	JIH	R675572
Routine Water Analysis								
Chloride (Cl)								
Chloride (Cl)	88		1	mg/L		04-JUN-08	AYX	R675324
ICP metals and SO4 for routine water								
Calcium (Ca)	50.9		0.5	mg/L		07-JUN-08	WYA	R676984
Potassium (K)	3.7		0.5	mg/L		07-JUN-08	WYA	R676984
Magnesium (Mg)	5.8		0.1	mg/L		07-JUN-08	WYA	R676984
Sodium (Na)	12		1	mg/L		07-JUN-08	WYA	R676984
Sulfate (SO4)	12.9		0.5	mg/L		07-JUN-08	WYA	R676984
Ion Balance Calculation								
Ion Balance	95.9			%		09-JUN-08		
TDS (Calculated)	219			mg/L		09-JUN-08		
Hardness (as CaCO3)	151			mg/L		09-JUN-08		
Nitrate+Nitrite-N	4.1		0.1	mg/L		04-JUN-08	GUO	R675249
Nitrate-N	4.0		0.1	mg/L		04-JUN-08	GUO	R675249
Nitrite-N	0.09		0.05	mg/L		04-JUN-08	GUO	R675249
pH, Conductivity and Total Alkalinity								
pH	7.7		0.1	pH		04-JUN-08	CLTT	R675079
Conductivity (EC)	437		0.2	uS/cm		04-JUN-08	CLTT	R675079
Bicarbonate (HCO3)	57		5	mg/L		04-JUN-08	CLTT	R675079
Carbonate (CO3)	<5		5	mg/L		04-JUN-08	CLTT	R675079
Hydroxide (OH)	<5		5	mg/L		04-JUN-08	CLTT	R675079
Alkalinity, Total (as CaCO3)	46		5	mg/L		04-JUN-08	CLTT	R675079

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

Qualifiers for Sample Submission Listed:

Qualifier	Description
SFPL	TDP - Sample was Filtered and Preserved at the laboratory

Sample Parameter Qualifier key listed:

Qualifier	Description
SFP	Sample was Filtered and Preserved at the laboratory

Methods Listed (if applicable):

ALS Test Code	Matrix	Test Description	Preparation Method Reference(Based On)	Analytical Method Reference(Based On)
C-TOT-INORG-ED	Water	Total Inorganic Carbon		APHA 5310 B-Instrumental
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
FE-DIS-ED	Water	Iron (Fe)-Dissolved		EPA 200.7
IONBALANCE-ED	Water	Ion Balance Calculation		APHA 1030E
MET1-DIS-CCME-ED	Water	Dissolved Trace Metals		EPA 6020
MN-DIS-ED	Water	Manganese (Mn)-Dissolved		EPA 200.7
N-TOTKJ-ED	Water	Total Kjeldahl Nitrogen		APHA 4500N-C -Dig.-Auto-Colorimetry
N2N3-ED	Water	Nitrate+Nitrite-N		APHA 4500 NO3-H - COLORIMETRY
NH4-ED	Water	Ammonia-N		APHA4500NH3F Colorimetry
NO2-ED	Water	Nitrite-N		APHA 4500 NO2B-Colorimetry
NO3-ED	Water	Nitrate-N		APHA 4500 NO3H-Colorimetry
P-TOTAL-ED	Water	Phosphorus, Total		APHA 4500 P B,E-Auto-Colorimetry
P-TOTALDIS-ED	Water	Phosphorus, Total Dissolved		APHA 4500 P B,E-Auto-Colorimetry
PH/EC/ALK-ED	Water	pH, Conductivity and Total Alkalinity		APHA 4500-H, 2510, 2320
SILICA-REAC-SOL-WP	Water	Reactive Silica		Technicon 105-71W; APHA 4500E

Ammonium molybdate at approximately pH 1.2 reacts with silica and phosphate to produce heteropoly acids. Oxalic acid is added to destroy the molybdosphosphoric acid but not the molybdosilicic acid. The yellow molybdosilicic acid is reduced by ascorbic acid to heteropoly blue. The intensity of the blue colour measured spectrophotometrically at 600 nm is proportional to the concentration of molybdate-reactive silica and is reported as soluble. Results reported as dissolved indicate the sample was filtered prior to analysis.

SOLIDS-TOTSUS-ED	Water	Total Suspended Solids		APHA 2540 D-Gravimetric
TURBIDITY-ED	Water	Turbidity		APHA 2130 B-Nephelometer

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

Chain of Custody numbers:

C008717

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
ED	ALS LABORATORY GROUP - EDMONTON, ALBERTA, CANADA	WP	ALS LABORATORY GROUP - WINNIPEG, MANITOBA, CANADA

Reference Information

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.