



Environmental Division

PRELIMINARY RESULTS

COMAPLEX MINERALS

ATTN: S. BARHAM

901, 1015 - 4th STREET SW

CALGARY AB T2R 1J4

Reported On: 23-OCT-07 09:02 AM

Revision: 1

Lab Work Order #: **L563686**

Date Received: **09-OCT-07**

Project P.O. #: 3.393

Job Reference: MELIADINE WEST

Legal Site Desc:

CofC Numbers: A067533

Other Information:

Comments: ADDITIONAL 22-OCT-07 15:22

DRAFT

CHARLES LEBLANC
General Manager, Edmonton

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

SHANNON LUCHKA

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.)
Part of the **ALS Laboratory Group**

9936-67 Avenue, Edmonton, AB T6E 0P5
Phone: +1 780 413 5227 Fax: +1 780 437 2311 www.alsglobal.com
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ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L563686-1	A9								
Sampled By: NOT PROVIDED on 07-OCT-07 @ 15:15									
Matrix: WATER									
Dissolved Metals - CCME									
Dissolved Trace Metals									
Silver (Ag)		<0.0001	RAMB	0.0001	mg/L		13-OCT-07	CVM	R586883
Aluminum (Al)		0.02		0.01	mg/L		13-OCT-07	CVM	R586883
Arsenic (As)		0.0038		0.0004	mg/L		13-OCT-07	CVM	R586883
Boron (B)		<0.05		0.05	mg/L		13-OCT-07	CVM	R586883
Barium (Ba)		0.133		0.003	mg/L		13-OCT-07	CVM	R586883
Beryllium (Be)		<0.001		0.001	mg/L		13-OCT-07	CVM	R586883
Cadmium (Cd)		<0.0001		0.0001	mg/L		13-OCT-07	CVM	R586883
Cobalt (Co)		<0.002		0.002	mg/L		13-OCT-07	CVM	R586883
Chromium (Cr)		<0.005		0.005	mg/L		13-OCT-07	CVM	R586883
Copper (Cu)		0.002		0.001	mg/L		13-OCT-07	CVM	R586883
Mercury (Hg)		<0.0001		0.0001	mg/L		13-OCT-07	CVM	R586883
Lithium (Li)		0.048		0.003	mg/L		13-OCT-07	CVM	R586883
Molybdenum (Mo)		<0.005		0.005	mg/L		13-OCT-07	CVM	R586883
Nickel (Ni)		0.007		0.002	mg/L		13-OCT-07	CVM	R586883
Lead (Pb)		0.0002		0.0001	mg/L		13-OCT-07	CVM	R586883
Antimony (Sb)		0.0015		0.0004	mg/L		13-OCT-07	CVM	R586883
Selenium (Se)		0.0010		0.0004	mg/L		13-OCT-07	CVM	R586883
Tin (Sn)		<0.05		0.05	mg/L		13-OCT-07	CVM	R586883
Titanium (Ti)		0.001		0.001	mg/L		13-OCT-07	CVM	R586883
Thallium (Tl)		<0.0001		0.0001	mg/L		13-OCT-07	CVM	R586883
Uranium (U)		0.0001		0.0001	mg/L		13-OCT-07	CVM	R586883
Vanadium (V)		<0.001		0.001	mg/L		13-OCT-07	CVM	R586883
Zinc (Zn)		0.011		0.002	mg/L		13-OCT-07	CVM	R586883
Iron (Fe)-Dissolved		0.302		0.005	mg/L		10-OCT-07	SYF	R585675
Manganese (Mn)-Dissolved		0.051		0.001	mg/L		10-OCT-07	SYF	R585675
Ammonia-N		<0.05		0.05	mg/L		10-OCT-07	LMK	R585401
Biochemical Oxygen Demand		<2		2	mg/L		09-OCT-07	MOS	R587289
Oil and Grease		<1		1	mg/L		12-OCT-07	HPOD	R586807
Orthophosphate (PO4-P)		<0.01		0.01	mg/L		10-OCT-07	LWW	R585585
Phosphorus, Total		<0.02		0.02	mg/L	12-OCT-07	15-OCT-07	RGM	R587811
Phosphorus, Total Diss.		<0.02		0.02	mg/L	12-OCT-07	15-OCT-07	RGM	R587811
Silica Reactive Soluble		5.3		0.1	mg/L		17-OCT-07	DXN	R588710
Total Carbon		23		1	mg/L		13-OCT-07	LD	R587084
Total Inorganic Carbon		14		1	mg/L		13-OCT-07	LD	R587084
Total Kjeldahl Nitrogen		0.3		0.2	mg/L	12-OCT-07	12-OCT-07	LMK	R586791
Total Suspended Solids		<3		3	mg/L		11-OCT-07	SVG	R586146
Turbidity		0.50		0.1	NTU		11-OCT-07	JIAN	R586462
Routine Water Analysis									
Chloride (Cl)		282		1	mg/L		11-OCT-07	EOC	R585642
ICP metals and SO4 for routine water									
Calcium (Ca)		140		0.5	mg/L		12-OCT-07	JWU	R586308
Potassium (K)		4.0		0.5	mg/L		12-OCT-07	JWU	R586308
Magnesium (Mg)		17.7		0.1	mg/L		12-OCT-07	JWU	R586308
Sodium (Na)		17		1	mg/L		12-OCT-07	JWU	R586308
Sulfate (SO4)		21.6		0.5	mg/L		12-OCT-07	JWU	R586308
Ion Balance Calculation									
Ion Balance		96.5			%		12-OCT-07		
TDS (Calculated)		518			mg/L		12-OCT-07		

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L563686-1 A9									
Sampled By: NOT PROVIDED on 07-OCT-07 @ 15:15									
Matrix: WATER									
Routine Water Analysis									
Ion Balance Calculation									
Hardness (as CaCO3)		422			mg/L		12-OCT-07		
Nitrate+Nitrite-N		<0.1		0.1	mg/L		10-OCT-07	BLI	R585703
Nitrate-N		<0.1		0.1	mg/L		10-OCT-07	BLI	R585703
Nitrite-N		<0.05		0.05	mg/L		10-OCT-07	BLI	R585703
pH, Conductivity and Total Alkalinity									
pH		7.8		0.1	pH		10-OCT-07	CLT	R585327
Conductivity (EC)		1100		0.2	uS/cm		10-OCT-07	CLT	R585327
Bicarbonate (HCO3)		74		5	mg/L		10-OCT-07	CLT	R585327
Carbonate (CO3)		<5		5	mg/L		10-OCT-07	CLT	R585327
Hydroxide (OH)		<5		5	mg/L		10-OCT-07	CLT	R585327
Alkalinity, Total (as CaCO3)		60		5	mg/L		10-OCT-07	CLT	R585327
L563686-2 A13									
Sampled By: NOT PROVIDED on 07-OCT-07 @ 19:00									
Matrix: WATER									
Dissolved Metals - CCME									
Dissolved Trace Metals									
Silver (Ag)		<0.0001	RAMB	0.0001	mg/L		13-OCT-07	CVM	R586883
Aluminum (Al)		<0.01		0.01	mg/L		13-OCT-07	CVM	R586883
Arsenic (As)		0.0028		0.0004	mg/L		13-OCT-07	CVM	R586883
Boron (B)		<0.05		0.05	mg/L		13-OCT-07	CVM	R586883
Barium (Ba)		0.145		0.003	mg/L		13-OCT-07	CVM	R586883
Beryllium (Be)		<0.001		0.001	mg/L		13-OCT-07	CVM	R586883
Cadmium (Cd)		<0.0001		0.0001	mg/L		13-OCT-07	CVM	R586883
Cobalt (Co)		<0.002		0.002	mg/L		13-OCT-07	CVM	R586883
Chromium (Cr)		0.007		0.005	mg/L		13-OCT-07	CVM	R586883
Copper (Cu)		0.002		0.001	mg/L		13-OCT-07	CVM	R586883
Mercury (Hg)		<0.0001		0.0001	mg/L		13-OCT-07	CVM	R586883
Lithium (Li)		0.040		0.003	mg/L		13-OCT-07	CVM	R586883
Molybdenum (Mo)		<0.005		0.005	mg/L		13-OCT-07	CVM	R586883
Nickel (Ni)		0.011		0.002	mg/L		13-OCT-07	CVM	R586883
Lead (Pb)		<0.0001		0.0001	mg/L		13-OCT-07	CVM	R586883
Antimony (Sb)		0.0018		0.0004	mg/L		13-OCT-07	CVM	R586883
Selenium (Se)		0.0013		0.0004	mg/L		13-OCT-07	CVM	R586883
Tin (Sn)		<0.05		0.05	mg/L		13-OCT-07	CVM	R586883
Titanium (Ti)		<0.001		0.001	mg/L		13-OCT-07	CVM	R586883
Thallium (Tl)		<0.0001		0.0001	mg/L		13-OCT-07	CVM	R586883
Uranium (U)		0.0013		0.0001	mg/L		13-OCT-07	CVM	R586883
Vanadium (V)		0.002		0.001	mg/L		13-OCT-07	CVM	R586883
Zinc (Zn)		0.003		0.002	mg/L		13-OCT-07	CVM	R586883
Iron (Fe)-Dissolved		0.724		0.005	mg/L		10-OCT-07	SYF	R585675
Manganese (Mn)-Dissolved		0.174		0.001	mg/L		10-OCT-07	SYF	R585675
Ammonia-N		0.31		0.05	mg/L		10-OCT-07	LMK	R585401
Biochemical Oxygen Demand		<2		2	mg/L		09-OCT-07	MOS	R587289
Oil and Grease		<1		1	mg/L		12-OCT-07	HPOD	R586807
Orthophosphate (PO4-P)		<0.01		0.01	mg/L		10-OCT-07	LWW	R585585
Phosphorus, Total		<0.02		0.02	mg/L	12-OCT-07	15-OCT-07	RGM	R587811
Phosphorus, Total Diss.		<0.02		0.02	mg/L	12-OCT-07	15-OCT-07	RGM	R587811
Silica Reactive Soluble		5.9		0.1	mg/L		17-OCT-07	DXN	R588710

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L563686-2	A13								
Sampled By:	NOT PROVIDED on 07-OCT-07 @ 19:00								
Matrix:	WATER								
	Total Carbon	20		1	mg/L	12-OCT-07	13-OCT-07	LD	R587084
	Total Inorganic Carbon	12		1	mg/L		13-OCT-07	LD	R587084
	Total Kjeldahl Nitrogen	0.6		0.2	mg/L		12-OCT-07	LMK	R586791
	Total Suspended Solids	3		3	mg/L		11-OCT-07	SVG	R586146
	Turbidity	3.6		0.1	NTU		11-OCT-07	JIAN	R586462
Routine Water Analysis									
	Chloride (Cl)	372		1	mg/L		11-OCT-07	EOC	R585642
ICP metals and SO4 for routine water									
	Calcium (Ca)	142		0.5	mg/L		12-OCT-07	JWU	R586308
	Potassium (K)	5.5		0.5	mg/L		12-OCT-07	JWU	R586308
	Magnesium (Mg)	32.2		0.1	mg/L		12-OCT-07	JWU	R586308
	Sodium (Na)	57		1	mg/L		12-OCT-07	JWU	R586308
	Sulfate (SO4)	77.2		0.5	mg/L		12-OCT-07	JWU	R586308
Ion Balance Calculation									
	Ion Balance	94.1			%		12-OCT-07		
	TDS (Calculated)	719			mg/L		12-OCT-07		
	Hardness (as CaCO3)	487			mg/L		12-OCT-07		
	Nitrate+Nitrite-N	0.6		0.1	mg/L		10-OCT-07	BLI	R585703
	Nitrate-N	0.5		0.1	mg/L		10-OCT-07	BLI	R585703
	Nitrite-N	0.08		0.05	mg/L		10-OCT-07	BLI	R585703
pH, Conductivity and Total Alkalinity									
	pH	7.7		0.1	pH		10-OCT-07	CLT	R585327
	Conductivity (EC)	1460		0.2	uS/cm		10-OCT-07	CLT	R585327
	Bicarbonate (HCO3)	62		5	mg/L		10-OCT-07	CLT	R585327
	Carbonate (CO3)	<5		5	mg/L		10-OCT-07	CLT	R585327
	Hydroxide (OH)	<5		5	mg/L		10-OCT-07	CLT	R585327
	Alkalinity, Total (as CaCO3)	51		5	mg/L		10-OCT-07	CLT	R585327
L563686-3	A15								
Sampled By:	NOT PROVIDED on 07-OCT-07 @ 18:45								
Matrix:	WATER								
Dissolved Metals - CCME									
Dissolved Trace Metals									
	Silver (Ag)	<0.0001		0.0001	mg/L		13-OCT-07	CVM	R586883
	Aluminum (Al)	0.02		0.01	mg/L		13-OCT-07	CVM	R586883
	Arsenic (As)	0.0019		0.0004	mg/L		13-OCT-07	CVM	R586883
	Boron (B)	<0.05		0.05	mg/L		13-OCT-07	CVM	R586883
	Barium (Ba)	0.103		0.003	mg/L		13-OCT-07	CVM	R586883
	Beryllium (Be)	<0.001		0.001	mg/L		13-OCT-07	CVM	R586883
	Cadmium (Cd)	<0.0001		0.0001	mg/L		13-OCT-07	CVM	R586883
	Cobalt (Co)	<0.002		0.002	mg/L		13-OCT-07	CVM	R586883
	Chromium (Cr)	<0.005		0.005	mg/L		13-OCT-07	CVM	R586883
	Copper (Cu)	0.001		0.001	mg/L		13-OCT-07	CVM	R586883
	Mercury (Hg)	<0.0001		0.0001	mg/L		13-OCT-07	CVM	R586883
	Lithium (Li)	0.023		0.003	mg/L		13-OCT-07	CVM	R586883
	Molybdenum (Mo)	<0.005		0.005	mg/L		13-OCT-07	CVM	R586883
	Nickel (Ni)	0.006		0.002	mg/L		13-OCT-07	CVM	R586883
	Lead (Pb)	0.0001		0.0001	mg/L		13-OCT-07	CVM	R586883
	Antimony (Sb)	0.0015		0.0004	mg/L		13-OCT-07	CVM	R586883
	Selenium (Se)	0.0007		0.0004	mg/L		13-OCT-07	CVM	R586883
	Tin (Sn)	<0.05		0.05	mg/L		13-OCT-07	CVM	R586883
	Titanium (Ti)	0.001		0.001	mg/L		13-OCT-07	CVM	R586883

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L563686-3 A15								
Sampled By: NOT PROVIDED on 07-OCT-07 @ 18:45								
Matrix: WATER								
Dissolved Metals - CCME								
Dissolved Trace Metals								
Thallium (Tl)	<0.0001		0.0001	mg/L		13-OCT-07	CVM	R586883
Uranium (U)	<0.0001		0.0001	mg/L		13-OCT-07	CVM	R586883
Vanadium (V)	0.001		0.001	mg/L		13-OCT-07	CVM	R586883
Zinc (Zn)	0.013		0.002	mg/L		13-OCT-07	CVM	R586883
Iron (Fe)-Dissolved	2.36		0.005	mg/L		10-OCT-07	SYF	R585675
Manganese (Mn)-Dissolved	0.066		0.001	mg/L		10-OCT-07	SYF	R585675
Ammonia-N	<0.05		0.05	mg/L		10-OCT-07	LMK	R585401
Biochemical Oxygen Demand	<2		2	mg/L		09-OCT-07	MOS	R587289
Oil and Grease	<1		1	mg/L		12-OCT-07	HPOD	R586807
Orthophosphate (PO4-P)	<0.01		0.01	mg/L		10-OCT-07	LWW	R585585
Phosphorus, Total	<0.02		0.02	mg/L	12-OCT-07	15-OCT-07	RGM	R587811
Phosphorus, Total Diss.	<0.02		0.02	mg/L	12-OCT-07	15-OCT-07	RGM	R587811
Silica Reactive Soluble	6.6		0.1	mg/L		17-OCT-07	DXN	R588710
Total Carbon	19		1	mg/L		13-OCT-07	LD	R587084
Total Inorganic Carbon	13		1	mg/L		13-OCT-07	LD	R587084
Total Kjeldahl Nitrogen	0.6		0.2	mg/L	12-OCT-07	12-OCT-07	LMK	R586791
Total Suspended Solids	4		3	mg/L		11-OCT-07	SVG	R586146
Turbidity	1.6		0.1	NTU		11-OCT-07	JIAN	R586462
Routine Water Analysis								
Chloride (Cl)	267		1	mg/L		11-OCT-07	EOC	R585642
ICP metals and SO4 for routine water								
Calcium (Ca)	122		0.5	mg/L		12-OCT-07	JWU	R586308
Potassium (K)	2.9		0.5	mg/L		12-OCT-07	JWU	R586308
Magnesium (Mg)	19.2		0.1	mg/L		12-OCT-07	JWU	R586308
Sodium (Na)	12		1	mg/L		12-OCT-07	JWU	R586308
Sulfate (SO4)	16.8		0.5	mg/L		12-OCT-07	JWU	R586308
Ion Balance Calculation								
Ion Balance	92.9			%		12-OCT-07		
TDS (Calculated)	471			mg/L		12-OCT-07		
Hardness (as CaCO3)	384			mg/L		12-OCT-07		
Nitrate+Nitrite-N	<0.1		0.1	mg/L		10-OCT-07	BLI	R585703
Nitrate-N	<0.1		0.1	mg/L		10-OCT-07	BLI	R585703
Nitrite-N	<0.05		0.05	mg/L		10-OCT-07	BLI	R585703
pH, Conductivity and Total Alkalinity								
pH	7.5		0.1	pH		10-OCT-07	CLT	R585327
Conductivity (EC)	1020		0.2	uS/cm		10-OCT-07	CLT	R585327
Bicarbonate (HCO3)	62		5	mg/L		10-OCT-07	CLT	R585327
Carbonate (CO3)	<5		5	mg/L		10-OCT-07	CLT	R585327
Hydroxide (OH)	<5		5	mg/L		10-OCT-07	CLT	R585327
Alkalinity, Total (as CaCO3)	51		5	mg/L		10-OCT-07	CLT	R585327
L563686-4 A38								
Sampled By: NOT PROVIDED on 07-OCT-07 @ 14:45								
Matrix: WATER								
Dissolved Metals - CCME								
Dissolved Trace Metals								
Silver (Ag)	<0.0001	RAMB	0.0001	mg/L		13-OCT-07	CVM	R586883
Aluminum (Al)	<0.01		0.01	mg/L		13-OCT-07	CVM	R586883
Arsenic (As)	0.0021		0.0004	mg/L		13-OCT-07	CVM	R586883

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L563686-4	A38								
Sampled By: NOT PROVIDED on 07-OCT-07 @ 14:45									
Matrix: WATER									
Dissolved Metals - CCME									
Dissolved Trace Metals									
Boron (B)		<0.05		0.05	mg/L		13-OCT-07	CVM	R586883
Barium (Ba)		0.049		0.003	mg/L		13-OCT-07	CVM	R586883
Beryllium (Be)		<0.001		0.001	mg/L		13-OCT-07	CVM	R586883
Cadmium (Cd)		<0.0001		0.0001	mg/L		13-OCT-07	CVM	R586883
Cobalt (Co)		<0.002		0.002	mg/L		13-OCT-07	CVM	R586883
Chromium (Cr)		<0.005		0.005	mg/L		13-OCT-07	CVM	R586883
Copper (Cu)		0.002		0.001	mg/L		13-OCT-07	CVM	R586883
Mercury (Hg)		<0.0001		0.0001	mg/L		13-OCT-07	CVM	R586883
Lithium (Li)		0.027		0.003	mg/L		13-OCT-07	CVM	R586883
Molybdenum (Mo)		<0.005		0.005	mg/L		13-OCT-07	CVM	R586883
Nickel (Ni)		0.005		0.002	mg/L		13-OCT-07	CVM	R586883
Lead (Pb)		<0.0001		0.0001	mg/L		13-OCT-07	CVM	R586883
Antimony (Sb)		0.0017		0.0004	mg/L		13-OCT-07	CVM	R586883
Selenium (Se)		0.0007		0.0004	mg/L		13-OCT-07	CVM	R586883
Tin (Sn)		<0.05		0.05	mg/L		13-OCT-07	CVM	R586883
Titanium (Ti)		<0.001		0.001	mg/L		13-OCT-07	CVM	R586883
Thallium (Tl)		0.0002		0.0001	mg/L		13-OCT-07	CVM	R586883
Uranium (U)		0.0002		0.0001	mg/L		13-OCT-07	CVM	R586883
Vanadium (V)		<0.001		0.001	mg/L		13-OCT-07	CVM	R586883
Zinc (Zn)		0.007		0.002	mg/L		13-OCT-07	CVM	R586883
Iron (Fe)-Dissolved		0.054		0.005	mg/L		10-OCT-07	SYF	R585675
Manganese (Mn)-Dissolved		0.005		0.001	mg/L		10-OCT-07	SYF	R585675
Ammonia-N		<0.05		0.05	mg/L		10-OCT-07	LMK	R585401
Biochemical Oxygen Demand		<2		2	mg/L		09-OCT-07	MOS	R587289
Oil and Grease		<1		1	mg/L		12-OCT-07	HAL	R586913
Orthophosphate (PO4-P)		<0.01		0.01	mg/L		10-OCT-07	LWW	R585585
Phosphorus, Total		<0.02		0.02	mg/L	12-OCT-07	15-OCT-07	RGM	R587811
Phosphorus, Total Diss.		<0.02		0.02	mg/L	12-OCT-07	15-OCT-07	RGM	R587811
Silica Reactive Soluble		2.9		0.1	mg/L		17-OCT-07	DXN	R588710
Total Carbon		28		1	mg/L		13-OCT-07	LD	R587084
Total Inorganic Carbon		18		1	mg/L		13-OCT-07	LD	R587084
Total Kjeldahl Nitrogen		0.6		0.2	mg/L	12-OCT-07	12-OCT-07	LMK	R586791
Total Suspended Solids		6		3	mg/L		11-OCT-07	SVG	R586146
Turbidity		1.9		0.1	NTU		11-OCT-07	JIAN	R586462
Routine Water Analysis									
Chloride (Cl)		118		1	mg/L		11-OCT-07	EOC	R585642
ICP metals and SO4 for routine water									
Calcium (Ca)		70.2		0.5	mg/L		12-OCT-07	JWU	R586308
Potassium (K)		3.9		0.5	mg/L		12-OCT-07	JWU	R586308
Magnesium (Mg)		11.8		0.1	mg/L		12-OCT-07	JWU	R586308
Sodium (Na)		16		1	mg/L		12-OCT-07	JWU	R586308
Sulfate (SO4)		28.2		0.5	mg/L		12-OCT-07	JWU	R586308
Ion Balance Calculation									
Ion Balance		97.2			%		12-OCT-07		
TDS (Calculated)		294			mg/L		12-OCT-07		
Hardness (as CaCO3)		224			mg/L		12-OCT-07		
Nitrate+Nitrite-N		<0.1		0.1	mg/L		10-OCT-07	BLI	R585703
Nitrate-N		<0.1		0.1	mg/L		10-OCT-07	BLI	R585703

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L563686-4 A38									
Sampled By: NOT PROVIDED on 07-OCT-07 @ 14:45									
Matrix: WATER									
Routine Water Analysis									
Nitrite-N		<0.05		0.05	mg/L		10-OCT-07	BLI	R585703
pH, Conductivity and Total Alkalinity									
pH		7.8		0.1	pH		10-OCT-07	CLT	R585327
Conductivity (EC)		609		0.2	uS/cm		10-OCT-07	CLT	R585327
Bicarbonate (HCO3)		92		5	mg/L		10-OCT-07	CLT	R585327
Carbonate (CO3)		<5		5	mg/L		10-OCT-07	CLT	R585327
Hydroxide (OH)		<5		5	mg/L		10-OCT-07	CLT	R585327
Alkalinity, Total (as CaCO3)		76		5	mg/L		10-OCT-07	CLT	R585327
L563686-5 A54									
Sampled By: NOT PROVIDED on 07-OCT-07 @ 16:00									
Matrix: WATER									
Dissolved Metals - CCME									
Dissolved Trace Metals									
Silver (Ag)		<0.0001		0.0001	mg/L		13-OCT-07	CVM	R586883
Aluminum (Al)		<0.01		0.01	mg/L		13-OCT-07	CVM	R586883
Arsenic (As)		0.0028		0.0004	mg/L		13-OCT-07	CVM	R586883
Boron (B)		<0.05		0.05	mg/L		13-OCT-07	CVM	R586883
Barium (Ba)		0.047		0.003	mg/L		13-OCT-07	CVM	R586883
Beryllium (Be)		<0.001		0.001	mg/L		13-OCT-07	CVM	R586883
Cadmium (Cd)		<0.0001		0.0001	mg/L		13-OCT-07	CVM	R586883
Cobalt (Co)		<0.002		0.002	mg/L		13-OCT-07	CVM	R586883
Chromium (Cr)		<0.005		0.005	mg/L		13-OCT-07	CVM	R586883
Copper (Cu)		0.001		0.001	mg/L		13-OCT-07	CVM	R586883
Mercury (Hg)		<0.0001		0.0001	mg/L		13-OCT-07	CVM	R586883
Lithium (Li)		0.033		0.003	mg/L		13-OCT-07	CVM	R586883
Molybdenum (Mo)		<0.005		0.005	mg/L		13-OCT-07	CVM	R586883
Nickel (Ni)		0.005		0.002	mg/L		13-OCT-07	CVM	R586883
Lead (Pb)		<0.0001		0.0001	mg/L		13-OCT-07	CVM	R586883
Antimony (Sb)		0.0019		0.0004	mg/L		13-OCT-07	CVM	R586883
Selenium (Se)		0.0008		0.0004	mg/L		13-OCT-07	CVM	R586883
Tin (Sn)		<0.05		0.05	mg/L		13-OCT-07	CVM	R586883
Titanium (Ti)		<0.001		0.001	mg/L		13-OCT-07	CVM	R586883
Thallium (Tl)		<0.0001		0.0001	mg/L		13-OCT-07	CVM	R586883
Uranium (U)		0.0005		0.0001	mg/L		13-OCT-07	CVM	R586883
Vanadium (V)		<0.001		0.001	mg/L		13-OCT-07	CVM	R586883
Zinc (Zn)		0.005		0.002	mg/L		13-OCT-07	CVM	R586883
Iron (Fe)-Dissolved		0.031		0.005	mg/L		10-OCT-07	SYF	R585675
Manganese (Mn)-Dissolved		0.003		0.001	mg/L		10-OCT-07	SYF	R585675
Ammonia-N		<0.05		0.05	mg/L		10-OCT-07	LMK	R585401
Biochemical Oxygen Demand		<2		2	mg/L		09-OCT-07	MOS	R587289
Oil and Grease		<1		1	mg/L		12-OCT-07	HAL	R586913
Orthophosphate (PO4-P)		<0.01		0.01	mg/L		10-OCT-07	LWW	R585585
Phosphorus, Total		<0.02		0.02	mg/L	12-OCT-07	15-OCT-07	RGM	R587811
Phosphorus, Total Diss.		<0.02		0.02	mg/L	12-OCT-07	15-OCT-07	RGM	R587811
Silica Reactive Soluble		1.8		0.1	mg/L		17-OCT-07	DXN	R588710
Total Carbon		26		1	mg/L		13-OCT-07	LD	R587084
Total Inorganic Carbon		16		1	mg/L		13-OCT-07	LD	R587084
Total Kjeldahl Nitrogen		0.5		0.2	mg/L	12-OCT-07	12-OCT-07	LMK	R586791
Total Suspended Solids		3		3	mg/L		11-OCT-07	SVG	R586146

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L563686-5	A54								
Sampled By: NOT PROVIDED on 07-OCT-07 @ 16:00									
Matrix: WATER									
	Turbidity	0.65		0.1	NTU		11-OCT-07	JIAN	R586462
Routine Water Analysis									
	Chloride (Cl)	151		1	mg/L		11-OCT-07	EOC	R585642
ICP metals and SO4 for routine water									
	Calcium (Ca)	78.8		0.5	mg/L		12-OCT-07	JWU	R586308
	Potassium (K)	4.9		0.5	mg/L		12-OCT-07	JWU	R586308
	Magnesium (Mg)	14.8		0.1	mg/L		12-OCT-07	JWU	R586308
	Sodium (Na)	20		1	mg/L		12-OCT-07	JWU	R586308
	Sulfate (SO4)	37.2		0.5	mg/L		12-OCT-07	JWU	R586308
Ion Balance Calculation									
	Ion Balance	96.1			%		12-OCT-07		
	TDS (Calculated)	348			mg/L		12-OCT-07		
	Hardness (as CaCO3)	258			mg/L		12-OCT-07		
	Nitrate+Nitrite-N	<0.1		0.1	mg/L		10-OCT-07	BLI	R585703
	Nitrate-N	<0.1		0.1	mg/L		10-OCT-07	BLI	R585703
	Nitrite-N	<0.05		0.05	mg/L		10-OCT-07	BLI	R585703
pH, Conductivity and Total Alkalinity									
	pH	7.9		0.1	pH		10-OCT-07	CLT	R585327
	Conductivity (EC)	720		0.2	uS/cm		10-OCT-07	CLT	R585327
	Bicarbonate (HCO3)	83		5	mg/L		10-OCT-07	CLT	R585327
	Carbonate (CO3)	<5		5	mg/L		10-OCT-07	CLT	R585327
	Hydroxide (OH)	<5		5	mg/L		10-OCT-07	CLT	R585327
	Alkalinity, Total (as CaCO3)	68		5	mg/L		10-OCT-07	CLT	R585327
L563686-6	A56								
Sampled By: NOT PROVIDED on 07-OCT-07 @ 11:15									
Matrix: WATER									
Dissolved Metals - CCME									
Dissolved Trace Metals									
	Silver (Ag)	<0.0001		0.0001	mg/L		13-OCT-07	CVM	R586883
	Aluminum (Al)	0.03		0.01	mg/L		13-OCT-07	CVM	R586883
	Arsenic (As)	0.0032		0.0004	mg/L		13-OCT-07	CVM	R586883
	Boron (B)	<0.05		0.05	mg/L		13-OCT-07	CVM	R586883
	Barium (Ba)	0.085		0.003	mg/L		13-OCT-07	CVM	R586883
	Beryllium (Be)	<0.001		0.001	mg/L		13-OCT-07	CVM	R586883
	Cadmium (Cd)	<0.0001		0.0001	mg/L		13-OCT-07	CVM	R586883
	Cobalt (Co)	<0.002		0.002	mg/L		13-OCT-07	CVM	R586883
	Chromium (Cr)	0.007		0.005	mg/L		13-OCT-07	CVM	R586883
	Copper (Cu)	0.004		0.001	mg/L		13-OCT-07	CVM	R586883
	Mercury (Hg)	<0.0001		0.0001	mg/L		13-OCT-07	CVM	R586883
	Lithium (Li)	0.025		0.003	mg/L		13-OCT-07	CVM	R586883
	Molybdenum (Mo)	<0.005		0.005	mg/L		13-OCT-07	CVM	R586883
	Nickel (Ni)	0.011		0.002	mg/L		13-OCT-07	CVM	R586883
	Lead (Pb)	0.0003		0.0001	mg/L		13-OCT-07	CVM	R586883
	Antimony (Sb)	0.0011		0.0004	mg/L		13-OCT-07	CVM	R586883
	Selenium (Se)	0.0017		0.0004	mg/L		13-OCT-07	CVM	R586883
	Tin (Sn)	<0.05		0.05	mg/L		13-OCT-07	CVM	R586883
	Titanium (Ti)	0.001		0.001	mg/L		13-OCT-07	CVM	R586883
	Thallium (Tl)	<0.0001		0.0001	mg/L		13-OCT-07	CVM	R586883
	Uranium (U)	0.0036		0.0001	mg/L		13-OCT-07	CVM	R586883
	Vanadium (V)	0.002		0.001	mg/L		13-OCT-07	CVM	R586883
	Zinc (Zn)	0.006		0.002	mg/L		13-OCT-07	CVM	R586883

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L563686-6	A56								
Sampled By: NOT PROVIDED on 07-OCT-07 @ 11:15									
Matrix: WATER									
Dissolved Metals - CCME									
Iron (Fe)-Dissolved		0.138		0.005	mg/L		10-OCT-07	SYF	R585675
Manganese (Mn)-Dissolved		0.101		0.001	mg/L		10-OCT-07	SYF	R585675
Ammonia-N		1.32		0.05	mg/L		10-OCT-07	LMK	R585401
Biochemical Oxygen Demand		2		2	mg/L		09-OCT-07	MOS	R587289
Oil and Grease		<1		1	mg/L		12-OCT-07	HAL	R586913
Orthophosphate (PO4-P)		<0.01		0.01	mg/L		10-OCT-07	LWW	R585585
Phosphorus, Total		<0.02		0.02	mg/L	12-OCT-07	15-OCT-07	RGM	R587811
Phosphorus, Total Diss.		<0.02		0.02	mg/L	12-OCT-07	15-OCT-07	RGM	R587811
Silica Reactive Soluble		4.6		0.1	mg/L		17-OCT-07	DXN	R588710
Total Carbon		41		1	mg/L		13-OCT-07	LD	R587084
Total Inorganic Carbon		30		1	mg/L		13-OCT-07	LD	R587084
Total Kjeldahl Nitrogen		1.8		0.2	mg/L	12-OCT-07	12-OCT-07	LMK	R586791
Total Suspended Solids		5		3	mg/L		11-OCT-07	SVG	R586146
Turbidity		5.6		0.1	NTU		11-OCT-07	JIAN	R586462
Routine Water Analysis									
Chloride (Cl)		297		1	mg/L		11-OCT-07	EOC	R585642
ICP metals and SO4 for routine water									
Calcium (Ca)		127		0.5	mg/L		12-OCT-07	JWU	R586308
Potassium (K)		8.6		0.5	mg/L		12-OCT-07	JWU	R586308
Magnesium (Mg)		33.8		0.1	mg/L		12-OCT-07	JWU	R586308
Sodium (Na)		87		1	mg/L		12-OCT-07	JWU	R586308
Sulfate (SO4)		141		0.5	mg/L		12-OCT-07	JWU	R586308
Ion Balance Calculation									
Ion Balance		94.3			%		12-OCT-07		
TDS (Calculated)		783			mg/L		12-OCT-07		
Hardness (as CaCO3)		456			mg/L		12-OCT-07		
Nitrate+Nitrite-N		3.2		0.1	mg/L		10-OCT-07	BLI	R585703
Nitrate-N		2.9		0.1	mg/L		10-OCT-07	BLI	R585703
Nitrite-N		0.31		0.05	mg/L		10-OCT-07	BLI	R585703
pH, Conductivity and Total Alkalinity									
pH		8.0		0.1	pH		10-OCT-07	CLT	R585327
Conductivity (EC)		1470		0.2	uS/cm		10-OCT-07	CLT	R585327
Bicarbonate (HCO3)		151		5	mg/L		10-OCT-07	CLT	R585327
Carbonate (CO3)		<5		5	mg/L		10-OCT-07	CLT	R585327
Hydroxide (OH)		<5		5	mg/L		10-OCT-07	CLT	R585327
Alkalinity, Total (as CaCO3)		124		5	mg/L		10-OCT-07	CLT	R585327
L563686-7	A57								
Sampled By: NOT PROVIDED on 07-OCT-07 @ 18:20									
Matrix: WATER									
Dissolved Metals - CCME									
Dissolved Trace Metals									
Silver (Ag)		<0.0001		0.0001	mg/L		13-OCT-07	CVM	R586883
Aluminum (Al)		<0.01		0.01	mg/L		13-OCT-07	CVM	R586883
Arsenic (As)		0.0020		0.0004	mg/L		13-OCT-07	CVM	R586883
Boron (B)		<0.05		0.05	mg/L		13-OCT-07	CVM	R586883
Barium (Ba)		0.038		0.003	mg/L		13-OCT-07	CVM	R586883
Beryllium (Be)		<0.001		0.001	mg/L		13-OCT-07	CVM	R586883
Cadmium (Cd)		<0.0001		0.0001	mg/L		13-OCT-07	CVM	R586883
Cobalt (Co)		<0.002		0.002	mg/L		13-OCT-07	CVM	R586883

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L563686-7	A57								
Sampled By: NOT PROVIDED on 07-OCT-07 @ 18:20									
Matrix: WATER									
Dissolved Metals - CCME									
Dissolved Trace Metals									
Chromium (Cr)		<0.005		0.005	mg/L		13-OCT-07	CVM	R586883
Copper (Cu)		0.003		0.001	mg/L		13-OCT-07	CVM	R586883
Mercury (Hg)		<0.0001		0.0001	mg/L		13-OCT-07	CVM	R586883
Lithium (Li)		0.003		0.003	mg/L		13-OCT-07	CVM	R586883
Molybdenum (Mo)		<0.005		0.005	mg/L		13-OCT-07	CVM	R586883
Nickel (Ni)		0.006		0.002	mg/L		13-OCT-07	CVM	R586883
Lead (Pb)		0.0004		0.0001	mg/L		13-OCT-07	CVM	R586883
Antimony (Sb)		0.0015		0.0004	mg/L		13-OCT-07	CVM	R586883
Selenium (Se)		0.0005		0.0004	mg/L		13-OCT-07	CVM	R586883
Tin (Sn)		<0.05		0.05	mg/L		13-OCT-07	CVM	R586883
Titanium (Ti)		<0.001		0.001	mg/L		13-OCT-07	CVM	R586883
Thallium (Tl)		<0.0001		0.0001	mg/L		13-OCT-07	CVM	R586883
Uranium (U)		0.0004		0.0001	mg/L		13-OCT-07	CVM	R586883
Vanadium (V)		<0.001		0.001	mg/L		13-OCT-07	CVM	R586883
Zinc (Zn)		0.026		0.002	mg/L		13-OCT-07	CVM	R586883
Iron (Fe)-Dissolved		0.118		0.005	mg/L		10-OCT-07	SYF	R585675
Manganese (Mn)-Dissolved		0.007		0.001	mg/L		10-OCT-07	SYF	R585675
Ammonia-N		0.07		0.05	mg/L		10-OCT-07	LMK	R585401
Biochemical Oxygen Demand		2		2	mg/L		09-OCT-07	MOS	R587289
Oil and Grease		<1		1	mg/L		12-OCT-07	HAL	R586913
Orthophosphate (PO4-P)		<0.01		0.01	mg/L		10-OCT-07	LWW	R585585
Phosphorus, Total		<0.02		0.02	mg/L	12-OCT-07	15-OCT-07	RGM	R587811
Phosphorus, Total Diss.		<0.02		0.02	mg/L	12-OCT-07	15-OCT-07	RGM	R587811
Silica Reactive Soluble		6.6		0.1	mg/L		17-OCT-07	DXN	R588710
Total Carbon		53		1	mg/L		13-OCT-07	LD	R587084
Total Inorganic Carbon		41		1	mg/L		13-OCT-07	LD	R587084
Total Kjeldahl Nitrogen		0.6		0.2	mg/L	12-OCT-07	12-OCT-07	LMK	R586791
Total Suspended Solids		8		3	mg/L		11-OCT-07	SVG	R586146
Turbidity		2.9		0.1	NTU		11-OCT-07	JIAN	R586462
Routine Water Analysis									
Chloride (Cl)		12		1	mg/L		11-OCT-07	EOC	R585642
ICP metals and SO4 for routine water									
Calcium (Ca)		61.5		0.5	mg/L		12-OCT-07	JWU	R586308
Potassium (K)		1.8		0.5	mg/L		12-OCT-07	JWU	R586308
Magnesium (Mg)		6.6		0.1	mg/L		12-OCT-07	JWU	R586308
Sodium (Na)		6		1	mg/L		12-OCT-07	JWU	R586308
Sulfate (SO4)		15.8		0.5	mg/L		12-OCT-07	JWU	R586308
Ion Balance Calculation									
Ion Balance		97.8			%		12-OCT-07		
TDS (Calculated)		204			mg/L		12-OCT-07		
Hardness (as CaCO3)		181			mg/L		12-OCT-07		
Nitrate+Nitrite-N		<0.1		0.1	mg/L		10-OCT-07	BLI	R585703
Nitrate-N		<0.1		0.1	mg/L		10-OCT-07	BLI	R585703
Nitrite-N		<0.05		0.05	mg/L		10-OCT-07	BLI	R585703
pH, Conductivity and Total Alkalinity									
pH		8.0		0.1	pH		10-OCT-07	CLT	R585327
Conductivity (EC)		386		0.2	uS/cm		10-OCT-07	CLT	R585327
Bicarbonate (HCO3)		204		5	mg/L		10-OCT-07	CLT	R585327

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L563686-7 A57 Sampled By: NOT PROVIDED on 07-OCT-07 @ 18:20 Matrix: WATER Routine Water Analysis pH, Conductivity and Total Alkalinity Carbonate (CO3) Hydroxide (OH) Alkalinity, Total (as CaCO3)									
		<5		5	mg/L		10-OCT-07	CLT	R585327
		<5		5	mg/L		10-OCT-07	CLT	R585327
		167		5	mg/L		10-OCT-07	CLT	R585327
L563686-8 CONTROL Sampled By: NOT PROVIDED on 07-OCT-07 @ 18:00 Matrix: WATER Dissolved Metals - CCME Dissolved Trace Metals Silver (Ag) Aluminum (Al) Arsenic (As) Boron (B) Barium (Ba) Beryllium (Be) Cadmium (Cd) Cobalt (Co) Chromium (Cr) Copper (Cu) Mercury (Hg) Lithium (Li) Molybdenum (Mo) Nickel (Ni) Lead (Pb) Antimony (Sb) Selenium (Se) Tin (Sn) Titanium (Ti) Thallium (Tl) Uranium (U) Vanadium (V) Zinc (Zn) Iron (Fe)-Dissolved Manganese (Mn)-Dissolved Ammonia-N Orthophosphate (PO4-P) Phosphorus, Total Phosphorus, Total Diss. Silica Reactive Soluble Total Carbon Total Inorganic Carbon Total Kjeldahl Nitrogen Total Suspended Solids Turbidity Routine Water Analysis Chloride (Cl) ICP metals and SO4 for routine water Calcium (Ca) Potassium (K)									
		<0.0001		0.0001	mg/L		13-OCT-07	CVM	R586883
		0.02		0.01	mg/L		13-OCT-07	CVM	R586883
		0.0005		0.0004	mg/L		13-OCT-07	CVM	R586883
		<0.05		0.05	mg/L		13-OCT-07	CVM	R586883
		0.008		0.003	mg/L		13-OCT-07	CVM	R586883
		<0.001		0.001	mg/L		13-OCT-07	CVM	R586883
		0.0002		0.0001	mg/L		13-OCT-07	CVM	R586883
		<0.002		0.002	mg/L		13-OCT-07	CVM	R586883
		<0.005		0.005	mg/L		13-OCT-07	CVM	R586883
		0.002		0.001	mg/L		13-OCT-07	CVM	R586883
		<0.0001		0.0001	mg/L		13-OCT-07	CVM	R586883
		<0.003		0.003	mg/L		13-OCT-07	CVM	R586883
		<0.005		0.005	mg/L		13-OCT-07	CVM	R586883
		<0.002		0.002	mg/L		13-OCT-07	CVM	R586883
		0.0008		0.0001	mg/L		13-OCT-07	CVM	R586883
		0.0015		0.0004	mg/L		13-OCT-07	CVM	R586883
		<0.0004		0.0004	mg/L		13-OCT-07	CVM	R586883
		<0.05		0.05	mg/L		13-OCT-07	CVM	R586883
		<0.001		0.001	mg/L		13-OCT-07	CVM	R586883
		<0.0001		0.0001	mg/L		13-OCT-07	CVM	R586883
		<0.0001		0.0001	mg/L		13-OCT-07	CVM	R586883
		<0.001		0.001	mg/L		13-OCT-07	CVM	R586883
		0.013		0.002	mg/L		13-OCT-07	CVM	R586883
		0.044		0.005	mg/L		10-OCT-07	SYF	R585675
		0.008		0.001	mg/L		10-OCT-07	SYF	R585675
		<0.05		0.05	mg/L		10-OCT-07	LMK	R585401
		<0.01		0.01	mg/L		10-OCT-07	LWW	R585585
		<0.02		0.02	mg/L	12-OCT-07	15-OCT-07	RGM	R587811
		<0.02		0.02	mg/L	12-OCT-07	15-OCT-07	RGM	R587811
		0.3		0.1	mg/L		17-OCT-07	DXN	R588710
		9		1	mg/L		13-OCT-07	LD	R587084
		5		1	mg/L		13-OCT-07	LD	R587084
		0.3		0.2	mg/L	12-OCT-07	12-OCT-07	LMK	R586791
		5		3	mg/L		11-OCT-07	SVG	R586146
		1.6		0.1	NTU		11-OCT-07	JIAN	R586462
		7		1	mg/L		11-OCT-07	EOC	R585642
		8.2		0.5	mg/L		12-OCT-07	JWU	R586308
		1.2		0.5	mg/L		12-OCT-07	JWU	R586308

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L563686-8 CONTROL									
Sampled By: NOT PROVIDED on 07-OCT-07 @ 18:00									
Matrix: WATER									
Routine Water Analysis									
ICP metals and SO4 for routine water									
Magnesium (Mg)		0.8		0.1	mg/L		12-OCT-07	JWU	R586308
Sodium (Na)		4		1	mg/L		12-OCT-07	JWU	R586308
Sulfate (SO4)		3.6		0.5	mg/L		12-OCT-07	JWU	R586308
Ion Balance Calculation									
Ion Balance		Low EC			%		12-OCT-07		
TDS (Calculated)		38			mg/L		12-OCT-07		
Hardness (as CaCO3)		24			mg/L		12-OCT-07		
Nitrate+Nitrite-N		<0.1		0.1	mg/L		10-OCT-07	BLI	R585703
Nitrate-N		<0.1		0.1	mg/L		10-OCT-07	BLI	R585703
Nitrite-N		<0.05		0.05	mg/L		10-OCT-07	BLI	R585703
pH, Conductivity and Total Alkalinity									
pH		7.5		0.1	pH		10-OCT-07	CLT	R585327
Conductivity (EC)		76.5		0.2	uS/cm		10-OCT-07	CLT	R585327
Bicarbonate (HCO3)		27		5	mg/L		10-OCT-07	CLT	R585327
Carbonate (CO3)		<5		5	mg/L		10-OCT-07	CLT	R585327
Hydroxide (OH)		<5		5	mg/L		10-OCT-07	CLT	R585327
Alkalinity, Total (as CaCO3)		22		5	mg/L		10-OCT-07	CLT	R585327
L563686-9 ML-R									
Sampled By: NOT PROVIDED on 07-OCT-07 @ 17:00									
Matrix: WATER									
Dissolved Metals - CCME									
Dissolved Trace Metals									
Silver (Ag)		<0.0001		0.0001	mg/L		13-OCT-07	CVM	R586883
Aluminum (Al)		<0.01		0.01	mg/L		13-OCT-07	CVM	R586883
Arsenic (As)		<0.0004		0.0004	mg/L		13-OCT-07	CVM	R586883
Boron (B)		<0.05		0.05	mg/L		13-OCT-07	CVM	R586883
Barium (Ba)		0.010		0.003	mg/L		13-OCT-07	CVM	R586883
Beryllium (Be)		<0.001		0.001	mg/L		13-OCT-07	CVM	R586883
Cadmium (Cd)		<0.0001		0.0001	mg/L		13-OCT-07	CVM	R586883
Cobalt (Co)		<0.002		0.002	mg/L		13-OCT-07	CVM	R586883
Chromium (Cr)		<0.005		0.005	mg/L		13-OCT-07	CVM	R586883
Copper (Cu)		<0.001		0.001	mg/L		13-OCT-07	CVM	R586883
Mercury (Hg)		<0.0001		0.0001	mg/L		13-OCT-07	CVM	R586883
Lithium (Li)		<0.003		0.003	mg/L		13-OCT-07	CVM	R586883
Molybdenum (Mo)		<0.005		0.005	mg/L		13-OCT-07	CVM	R586883
Nickel (Ni)		<0.002		0.002	mg/L		13-OCT-07	CVM	R586883
Lead (Pb)		0.0001		0.0001	mg/L		13-OCT-07	CVM	R586883
Antimony (Sb)		0.0017		0.0004	mg/L		13-OCT-07	CVM	R586883
Selenium (Se)		<0.0004		0.0004	mg/L		13-OCT-07	CVM	R586883
Tin (Sn)		<0.05		0.05	mg/L		13-OCT-07	CVM	R586883
Titanium (Ti)		<0.001		0.001	mg/L		13-OCT-07	CVM	R586883
Thallium (Tl)		<0.0001		0.0001	mg/L		13-OCT-07	CVM	R586883
Uranium (U)		<0.0001		0.0001	mg/L		13-OCT-07	CVM	R586883
Vanadium (V)		<0.001		0.001	mg/L		13-OCT-07	CVM	R586883
Zinc (Zn)		0.002		0.002	mg/L		13-OCT-07	CVM	R586883
Iron (Fe)-Dissolved		0.024		0.005	mg/L		10-OCT-07	SYF	R585675
Manganese (Mn)-Dissolved		0.002		0.001	mg/L		10-OCT-07	SYF	R585675
Ammonia-N		<0.05		0.05	mg/L		10-OCT-07	LMK	R585401
Orthophosphate (PO4-P)		<0.01		0.01	mg/L		10-OCT-07	LWW	R585585

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L563686-9	ML-R								
Sampled By:	NOT PROVIDED on 07-OCT-07 @ 17:00								
Matrix:	WATER								
	Phosphorus, Total	<0.02		0.02	mg/L	12-OCT-07	15-OCT-07	RGM	R587811
	Phosphorus, Total Diss.	<0.02		0.02	mg/L	12-OCT-07	15-OCT-07	RGM	R587811
	Silica Reactive Soluble	0.6		0.1	mg/L		17-OCT-07	DXN	R588710
	Total Carbon	7		1	mg/L		13-OCT-07	LD	R587084
	Total Inorganic Carbon	5		1	mg/L		13-OCT-07	LD	R587084
	Total Kjeldahl Nitrogen	<0.2		0.2	mg/L	12-OCT-07	12-OCT-07	LMK	R586791
	Total Suspended Solids	3		3	mg/L		11-OCT-07	SVG	R586146
	Turbidity	0.35		0.1	NTU		11-OCT-07	JIAN	R586462
Routine Water Analysis									
	Chloride (Cl)	12		1	mg/L		11-OCT-07	EOC	R585642
ICP metals and SO4 for routine water									
	Calcium (Ca)	8.0		0.5	mg/L		12-OCT-07	JWU	R586308
	Potassium (K)	1.2		0.5	mg/L		12-OCT-07	JWU	R586308
	Magnesium (Mg)	1.3		0.1	mg/L		12-OCT-07	JWU	R586308
	Sodium (Na)	6		1	mg/L		12-OCT-07	JWU	R586308
	Sulfate (SO4)	4.6		0.5	mg/L		12-OCT-07	JWU	R586308
Ion Balance Calculation									
	Ion Balance	Low EC			%		12-OCT-07		
	TDS (Calculated)	46			mg/L		12-OCT-07		
	Hardness (as CaCO3)	25			mg/L		12-OCT-07		
	Nitrate+Nitrite-N	<0.1		0.1	mg/L		10-OCT-07	BLI	R585703
	Nitrate-N	<0.1		0.1	mg/L		10-OCT-07	BLI	R585703
	Nitrite-N	<0.05		0.05	mg/L		10-OCT-07	BLI	R585703
pH, Conductivity and Total Alkalinity									
	pH	7.5		0.1	pH		10-OCT-07	CLT	R585327
	Conductivity (EC)	94.6		0.2	uS/cm		10-OCT-07	CLT	R585327
	Bicarbonate (HCO3)	26		5	mg/L		10-OCT-07	CLT	R585327
	Carbonate (CO3)	<5		5	mg/L		10-OCT-07	CLT	R585327
	Hydroxide (OH)	<5		5	mg/L		10-OCT-07	CLT	R585327
	Alkalinity, Total (as CaCO3)	21		5	mg/L		10-OCT-07	CLT	R585327
L563686-10	A8-7								
Sampled By:	NOT PROVIDED on 07-OCT-07 @ 11:55								
Matrix:	WATER								
Dissolved Metals - CCME									
Dissolved Trace Metals									
	Silver (Ag)	<0.0001	RAMB	0.0001	mg/L		13-OCT-07	CVM	R586883
	Aluminum (Al)	0.01		0.01	mg/L		13-OCT-07	CVM	R586883
	Arsenic (As)	0.0016		0.0004	mg/L		13-OCT-07	CVM	R586883
	Boron (B)	<0.05		0.05	mg/L		13-OCT-07	CVM	R586883
	Barium (Ba)	0.013		0.003	mg/L		13-OCT-07	CVM	R586883
	Beryllium (Be)	<0.001		0.001	mg/L		13-OCT-07	CVM	R586883
	Cadmium (Cd)	<0.0001		0.0001	mg/L		13-OCT-07	CVM	R586883
	Cobalt (Co)	<0.002		0.002	mg/L		13-OCT-07	CVM	R586883
	Chromium (Cr)	<0.005		0.005	mg/L		13-OCT-07	CVM	R586883
	Copper (Cu)	0.001		0.001	mg/L		13-OCT-07	CVM	R586883
	Mercury (Hg)	<0.0001		0.0001	mg/L		13-OCT-07	CVM	R586883
	Lithium (Li)	0.004		0.003	mg/L		13-OCT-07	CVM	R586883
	Molybdenum (Mo)	<0.005		0.005	mg/L		13-OCT-07	CVM	R586883
	Nickel (Ni)	<0.002		0.002	mg/L		13-OCT-07	CVM	R586883
	Lead (Pb)	<0.0001		0.0001	mg/L		13-OCT-07	CVM	R586883

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	By	Batch
L563686-10	A8-7								
Sampled By: NOT PROVIDED on 07-OCT-07 @ 11:55									
Matrix: WATER									
Dissolved Metals - CCME									
Dissolved Trace Metals									
Antimony (Sb)		0.0018		0.0004	mg/L		13-OCT-07	CVM	R586883
Selenium (Se)		<0.0004		0.0004	mg/L		13-OCT-07	CVM	R586883
Tin (Sn)		<0.05		0.05	mg/L		13-OCT-07	CVM	R586883
Titanium (Ti)		<0.001		0.001	mg/L		13-OCT-07	CVM	R586883
Thallium (Tl)		<0.0001		0.0001	mg/L		13-OCT-07	CVM	R586883
Uranium (U)		<0.0001		0.0001	mg/L		13-OCT-07	CVM	R586883
Vanadium (V)		<0.001		0.001	mg/L		13-OCT-07	CVM	R586883
Zinc (Zn)		0.009		0.002	mg/L		13-OCT-07	CVM	R586883
Iron (Fe)-Dissolved		0.040		0.005	mg/L		10-OCT-07	SYF	R585675
Manganese (Mn)-Dissolved		0.005		0.001	mg/L		10-OCT-07	SYF	R585675
Ammonia-N		<0.05		0.05	mg/L		10-OCT-07	LMK	R585401
Orthophosphate (PO4-P)		<0.01		0.01	mg/L		10-OCT-07	LWW	R585585
Phosphorus, Total		<0.02		0.02	mg/L	12-OCT-07	15-OCT-07	RGM	R587811
Phosphorus, Total Diss.		<0.02		0.02	mg/L	12-OCT-07	15-OCT-07	RGM	R587811
Silica Reactive Soluble		1.3		0.1	mg/L		17-OCT-07	DXN	R588710
Total Carbon		11		1	mg/L		13-OCT-07	LD	R587084
Total Inorganic Carbon		8		1	mg/L		13-OCT-07	LD	R587084
Total Kjeldahl Nitrogen		0.2		0.2	mg/L	12-OCT-07	12-OCT-07	LMK	R586791
Total Suspended Solids		<3		3	mg/L		11-OCT-07	SVG	R586146
Turbidity		0.45		0.1	NTU		11-OCT-07	JIAN	R586462
Routine Water Analysis									
Chloride (Cl)		17		1	mg/L		11-OCT-07	EOC	R585642
ICP metals and SO4 for routine water									
Calcium (Ca)		17.1		0.5	mg/L		12-OCT-07	JWU	R586308
Potassium (K)		1.0		0.5	mg/L		12-OCT-07	JWU	R586308
Magnesium (Mg)		2.2		0.1	mg/L		12-OCT-07	JWU	R586308
Sodium (Na)		3		1	mg/L		12-OCT-07	JWU	R586308
Sulfate (SO4)		4.1		0.5	mg/L		12-OCT-07	JWU	R586308
Ion Balance Calculation									
Ion Balance		97.5			%		12-OCT-07		
TDS (Calculated)		64			mg/L		12-OCT-07		
Hardness (as CaCO3)		52			mg/L		12-OCT-07		
Nitrate+Nitrite-N		<0.1		0.1	mg/L		10-OCT-07	BLI	R585703
Nitrate-N		<0.1		0.1	mg/L		10-OCT-07	BLI	R585703
Nitrite-N		<0.05		0.05	mg/L		10-OCT-07	BLI	R585703
pH, Conductivity and Total Alkalinity									
pH		7.7		0.1	pH		10-OCT-07	CLT	R585327
Conductivity (EC)		135		0.2	uS/cm		10-OCT-07	CLT	R585327
Bicarbonate (HCO3)		40		5	mg/L		10-OCT-07	CLT	R585327
Carbonate (CO3)		<5		5	mg/L		10-OCT-07	CLT	R585327
Hydroxide (OH)		<5		5	mg/L		10-OCT-07	CLT	R585327
Alkalinity, Total (as CaCO3)		33		5	mg/L		10-OCT-07	CLT	R585327
* Refer to Referenced Information for Qualifiers (if any) and Methodology.									

Reference Information

Sample Parameter Qualifier key listed:

Qualifier	Description
RAMB	Result Adjusted For Method Blank

Methods Listed (if applicable):

ALS Test Code	Matrix	Test Description	Preparation Method Reference(Based On)	Analytical Method Reference(Based On)
BOD-ED	Water	Biochemical Oxygen Demand (BOD)		APHA 5210 B-5 day Incub.-O2 electrode
C-TOT-ED	Water	Total Carbon		APHA 5310 B-Instrumental
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
OGG-ED	Water	Oil and Grease-Gravimetric		APHA 5520 G HEXANE MTBE EXT. GRAVIME
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
PO4-ED	Water	Orthophosphate (PO4-P)		APHA 4500 P B,E-Auto-Colorimetry
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 molybdosilicic 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

Reference Information

Chain of Custody numbers:

A067533

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

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.



REPORT TO: COMAPLEX MINERALS CORP.										REPORT FORMAT / DISTRIBUTION										SERVICE REQUESTED									
COMPANY:										STANDARD ☒ OTHER										REGULAR SERVICE (DEFAULT)									
CONTACT: S. BARKHAM										PDF EXCEL ☒ CUSTOM FAX										RUSH SERVICE (2-3 DAYS)									
ADDRESS: 901-1015 4th ST. SW.										EMAIL 1: sbarkham@comaplex.com										PRIORITY SERVICE (1 DAY or ASAP)									
CAT GARY AB T2R 134										EMAIL 2: ddunka@comaplex.com										EMERGENCY SERVICE (<1 DAY / WEEKEND) - CONTACT ALS									
PHONE: 403 265-2846 FAX: 403 232-1421										INDICATE BOTTLES: FILTERED / PRESERVED (F/P)										ANALYSIS REQUEST									
INVOICE TO: SAME AS REPORT ? (YES/NO)										CLIENT / PROJECT INFORMATION:																			
COMPANY:										JOB #: MELADINE WEST																			
CONTACT:										PO / AFE: 3-293																			
ADDRESS: MELADINE WEST CAMP										Legal Site Description:																			
FIELD PHONE: 403 451-3236										QUOTE #:																			
PHONE:										FAX: 403 451-3238																			
Lab Work Order #										SAMPLER (Initials):																			
SAMPLE IDENTIFICATION										DATE										TIME									
(This description will appear on the report)										SAMPLE TYPE																			
1 A9										7 OCT 47										3:15PM									
2 A13										7 OCT 47										7:00PM									
3 A15										7 OCT 47										6:45PM									
4 A38										7 OCT 47										8:45PM									
5 A54										7 OCT 47										4:00PM									
6 A56										8 OCT 47										11:15AM									
7 A57										7 OCT 47										6:20PM									
8 CONTROL										7 OCT 47										6:00PM									
9 ML-R										7 OCT 47										5:00PM									
10 A8-7										8 OCT 47										11:55PM									
GUIDELINES / REGULATIONS										SPECIAL INSTRUCTIONS / HAZARDOUS DETAILS																			
CCME										See Attached List of Analyses										# A06752 # A06753									
Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.																													
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: A. J. [Signature]										DATE & TIME: 17M Oct 8/07										RECEIVED BY: RSD 12:59									
RELINQUISHED BY:										DATE & TIME:										RECEIVED BY: 19-Oct-07									

To Accompany C0C#s

A067532 & A067533

Chain of Custody List for Samples:

C0C# A067532	C0C# A067533	C0C# A067532
Sample Nos.	Sample Nos.	Sample Nos.
MEL-1	CONTROL	A9
MEL-2	ML-R	A13
MEL-3	A8-7	A15
MEL-4		A38
		A54
		A56
		A57
Analyses:	Analyses:	Analyses:
Routine - Rou-ed	Routine - Rou-ed	Routine - Rou-ed
Silica-Reac-Sol-WP	Silica-Reac-Sol-WP	Silica-Reac-Sol-WP
Turbidity	Turbidity	Turbidity
TSS	TSS	TSS
TKN	TKN	TKN
N2N3	N2N3	N2N3
NO3	NO3	NO3
NH4	NH4	NH4
Total P	Total P	Total P
Diss P	Diss P	Diss P
PO4	PO4	PO4
C-tot	C-tot	C-tot
C-TOT-INORG	C-TOT-INORG	C-TOT-INORG
Metals (Dissolved)	Metals (Dissolved)	Metals (Dissolved)
BOD - Biological Oxygen Demand		BOD - Biological Oxygen Demand
OGG - Oil and Grease		OGG - Oil and Grease
FCC - Faecal Coliform		

* Shipped in 3 coolers

AT 1/10/07