



CHEMICAL ANALYSIS REPORT

Date: June 28, 2005

ALS File No. V8916

Report On: Meager Creek Dev. Corp.
Water Analysis

Report To: **Meager Creek Development Corp.**
#411 - 837 W. Hastings St.
Vancouver, BC
V6C 3N6

Attention: **Mr. Andrew Ryder**

Received: June 3, 2005

ALS ENVIRONMENTAL

per:

Janice Pearson, - Client Services Assistant
Can Dang, B.Sc. - Project Chemist

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REMARKS



SiO₂ - Report concentration "CORRECTED" to pre-dilution value.

RESULTS OF ANALYSIS - Water

Sample ID	1931A	1931B	1931C	2161A	2161B
Sample Date	05-05-29	05-05-29	05-05-29	05-05-29	05-05-29
Sample Time	08:00	08:00	08:00	19:30	19:30
ALS ID	1	2	3	4	5

Physical Tests

Conductivity (uS/cm)	6060	-	-	7360	-
Total Dissolved Solids (Calc)	2120	-	-	2630	-
pH	8.77	-	-	8.57	-

Dissolved Anions

Alkalinity-Bicarbonate	CaCO3	236	-	-	180	-
Alkalinity-Carbonate	CaCO3	65.1	-	-	34.2	-
Chloride	Cl	1540	-	-	2210	-
Silicate	SiO2	-	-	38	-	-
Sulphate	SO4	439	-	-	305	-

Total Metals

Boron	T-B	-	11.5	-	-	15.6
Calcium	T-Ca	-	55.3	-	-	48.5
Iron	T-Fe	-	94.2	-	-	98.7
Lithium	T-Li	-	2.98	-	-	4.05
Magnesium	T-Mg	-	9.47	-	-	5.04
Potassium	T-K	-	151	-	-	197
Sodium	T-Na	-	1250	-	-	1510

Remarks regarding the analyses appear at the beginning of this report.

RESULTS OF ANALYSIS - Water

Sample ID	2161C	2361-A-1	2361-B-1	2361-C-1	2361-A-2
Sample Date	05-05-29	05-05-30	05-05-30	05-05-30	05-05-30
Sample Time	19:30	02:13	02:13	02:13	09:30
ALS ID	6	7	8	9	10

Physical Tests

Conductivity (uS/cm)	-	7880	-	-	8540
Total Dissolved Solids (Calc)	-	2670	-	-	3010
pH	-	8.44	-	-	8.22

Dissolved Anions

Alkalinity-Bicarbonate	CaCO3	-	130	-	-	118
Alkalinity-Carbonate	CaCO3	-	17.2	-	-	<2.0
Chloride	Cl	-	2390	-	-	2730
Silicate	SiO2	37	-	-	36	-
Sulphate	SO4	-	202	-	-	214

Total Metals

Boron	T-B	-	-	18.3	-	-
Calcium	T-Ca	-	-	39.5	-	-
Iron	T-Fe	-	-	62.4	-	-
Lithium	T-Li	-	-	4.95	-	-
Magnesium	T-Mg	-	-	1.49	-	-
Potassium	T-K	-	-	239	-	-
Sodium	T-Na	-	-	1660	-	-

Remarks regarding the analyses appear at the beginning of this report.

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RESULTS OF ANALYSIS - Water



Sample ID	2361-B-2	2361-C-2
Sample Date	05-05-30	05-05-30
Sample Time	09:30	09:30
ALS ID	11	12

Dissolved Anions

Alkalinity-Bicarbonate	CaCO3	-	-
Alkalinity-Carbonate	CaCO3	-	-
Chloride	Cl	-	-
Silicate	SiO2	-	40
Sulphate	SO4	-	-

Total Metals

Boron	T-B	17.4	-
Calcium	T-Ca	40.7	-
Iron	T-Fe	150	-
Lithium	T-Li	4.74	-
Magnesium	T-Mg	3.36	-
Potassium	T-K	226	-
Sodium	T-Na	1600	-

Remarks regarding the analyses appear at the beginning of this report.

Appendix 1 - QUALITY CONTROL - Replicates

Water	2161A	2161A
	05-05-29 19:30	QC # 444534

Physical Tests

Conductivity	(uS/cm)	7360	7350
pH		8.57	8.57

Dissolved Anions

Alkalinity-Bicarbonate	CaCO3	180	178
Alkalinity-Carbonate	CaCO3	34.2	34.2

Remarks regarding the analyses appear at the beginning of this report.

Appendix 2 - METHODOLOGY



Outlines of the methodologies utilized for the analysis of the samples submitted are as follows

Conductivity in Water

This analysis is carried out using procedures adapted from APHA Method 2510 "Conductivity". Conductivity is determined using a conductivity electrode.

Recommended Holding Time:

Sample: 28 days

Reference: APHA

For more detail see ALS Environmental "Collection & Sampling Guide"

Conventional Parameters in Water

These analyses are carried out in accordance with procedures described in "Methods for Chemical Analysis of Water and Wastes" (USEPA), "Manual for the Chemical Analysis of Water, Wastewaters, Sediments and Biological Tissues" (BCMOE), and/or "Standard Methods for the Examination of Water and Wastewater" (APHA). Further details are available on request.

pH in Water

This analysis is carried out using procedures adapted from APHA Method 4500-H "pH Value". The pH is determined in the laboratory using a pH electrode.

Recommended Holding Time:

Sample: 2 hours

Reference: APHA

For more detail see ALS Environmental "Collection & Sampling Guide"

Alkalinity in Water by Titration

This analysis is carried out using procedures adapted from APHA Method 2320 "Alkalinity". Total alkalinity is determined by potentiometric titration to a pH 4.5 endpoint. Bicarbonate, carbonate and hydroxide alkalinity are calculated from phenolphthalein alkalinity and total alkalinity values.

Recommended Holding Time:

Sample: 14 days

Reference: APHA

For more detail see ALS Environmental "Collection & Sampling Guide"



Dissolved Anions in Water by Ion Chromatography

This analysis is carried out using procedures adapted from APHA Method 4110 "Determination of Anions by Ion Chromatography" and EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography". Anions are determined by filtering the sample through a 0.45 micron membrane filter and injecting the filtrate onto a Dionex IonPac AG17 anion exchange column with a hydroxide eluent stream. Anions routinely determined by this method include: bromide, chloride, fluoride, nitrate, nitrite and sulphate.

Recommended Holding Time:

Sample: 28 days (bromide, chloride, fluoride, sulphate)

Sample: 2 days (nitrate, nitrite)

Reference: APHA and EPA

For more detail see ALS Environmental "Collection & Sampling Guide"

Metals in Water

This analysis is carried out using procedures adapted from "Standard Methods for the Examination of Water and Wastewater" 20th Edition 1998 published by the American Public Health Association, and with procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846 published by the United States Environmental Protection Agency (EPA). The procedures may involve preliminary sample treatment by acid digestion, using either hotplate or microwave oven, or filtration (EPA Method 3005A). Instrumental analysis is by atomic absorption/emission spectrophotometry (EPA Method 7000 series), inductively coupled plasma - optical emission spectrophotometry (EPA Method 6010B), and/or inductively coupled plasma - mass spectrometry (EPA Method 6020).

Recommended Holding Time:

Sample: 6 months

Reference: EPA

For more detail see: ALS "Collection & Sampling Guide"

Silicate in Water

This analysis is carried out using procedures adapted from APHA Method 4500-Si "Silica". Silicate (molybdate-reactive silica) is determined by the molybdosilicate colourimetric method.

Recommended Holding Time:

Sample: 28 days

Reference: APHA

For more detail see APHA Standard Methods



Results contained within this report relate only to the samples as submitted.

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End of Report