



ALEXCO

Soil Survey Report

Brewery Creek Mine Yukon Territory

February, 2008

Prepared by:



ACCESS
CONSULTING GROUP

www.accessconsulting.ca

TABLE OF CONTENTS

1.0	INTRODUCTION.....	1
2.0	METHODOLOGY.....	2
3.0	RESULTS.....	7
4.0	CONCLUSIONS.....	8

LIST OF FIGURES

Figure 1	Brewery Creek Mine General Location Map.....	4
Figure 2	Brewery Creek Mine Sample Site Locations.....	5
Figure 3	Brewery Creek Mine Minesite Soil Sample Site Locations.....	6

LIST OF TABLES

Table 1	Brewery Creek Mine Soil Sampling Site Information.....	3
Table 2	Brewery Creek Mine Soil Sampling Results.....	8

LIST OF APPENDICES

Appendix A	Soil Sampling Selected Plates
Appendix B	Norwest Labs Analytical Results

1.0 INTRODUCTION

Alexco Resources Corp. (Alexco) is presently undertaking decommissioning and reclamation activities at the Brewery Creek Mine located near Dawson City, Yukon Territory. The site is being decommissioned in accordance with their approved Decommissioning and Reclamation Plan (“Viceroy DRP”) and terms and conditions of Water Use Licence QZ96-007, including subsequent amendments, and Quartz Mining Licence (A99-001 and amendment 04-001). Schedule C, Section F of the Quartz Mining Licence requires that the following be undertaken:

“Soils to be tested for contamination around equipment storage and maintenance areas at the camp and around dismantled fuel storage areas. Where contamination is detected, the soil will be treated with appropriate measures as described in the DRP.”

Access Consulting Group (ACG) of Whitehorse, Yukon Territory, was retained by Alexco to collect soil samples at specific locations at the Brewery Creek Mine. The sampling procedures, methods and contaminated soil criteria are those prescribed in the Yukon *Contaminated Sites Regulation* (CSR) and the appropriate American Society for Testing and Materials (ASTM) standards (D 4547-03¹ and D 5633-04²).

¹ Standard Guide for Sampling Waste and Soils for Volatile Organic Compounds

² Standard Practice for Sampling with a Scoop

2.0 METHODOLOGY

Soil samples were collected by D. Desmarais of ACG on August 22, 2007. Weather conditions were ideal and the ground was not frozen during sampling. Figure 1 provides a general location map of the Brewery Creek Mine, while Figure 2 shows sites where soils were sampled on the property. Figure 3 shows a detailed location map of the administration building area where the two sample sites are located.

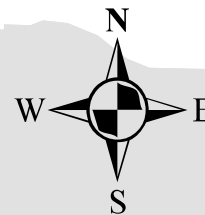
The soil survey was conducted specifically to characterize soils at the Main Equipment Ready Area (site EQ-S-#12) and the Oil Storage Area (site OS-S-#7) for total metals and petroleum hydrocarbon levels. The CSR and the appropriate ASTM Standards for soil sampling were used to provide guidance for sampling procedures and to assess soil contamination for an industrial undertaking.

Sampling was undertaken by excavating a hole in the soil using a mattock and samples were taken consistently at a depth of 10 cm at each site with a clean, inert, sampling trowel. The trowel was wiped clean after each sample was taken. Within the sample site five locations were chosen to be representative of the area and to form composite samples for analysis for the area. From each sample location, two aliquots and one discreet sample were obtained: one aliquot to create a 1 kg composite for metals testing, another aliquot to create a 500 ml sample for hydrocarbon testing, and the discreet sample as 250 ml of soil to provide a back-up grab sample. Table 1 gives a description of each sample site, their positions, and the number of aliquots used to form each composite. Appendix A contains selected plates from the soil sampling activities.

The composite samples were kept cool and flown by Air North and delivered to Bodycote Norwest Labs (a CAEAL-certified laboratory) in Vancouver for analysis of soils total metals, extractable petroleum hydrocarbons (EPH), heavy extractable petroleum hydrocarbons (HEPH), light extractable petroleum hydrocarbons (LEPH) and polyaromatic hydrocarbons (PAH).

Table 1 Brewery Creek Mine - Soil Sampling Site Information

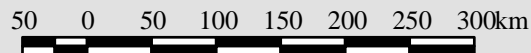
Site ID	Sample Site Description	UTM Easting ¹	UTM Northing ¹	Depth of Sample	Soil Type	# of Samples	Analytical Parameters
OS-S-#7	Oil Storage Area	632406	7104982	10cm	silty sand with small angular gravel	5	Total Metals, EPH, LEPH, HEPH, PAH
EQ-S-#12	Main Equipment Ready Area (in front of Administration Bldg)	632332	7104998	10cm	sandy silt with small angular gravel and rock	5	Total Metals, EPH, LEPH, HEPH, PAH



Project Location

General Location Map of the Yukon Territory

Scale 1 : 6 000 000



Alaska (United States of America)

Northwest Territories (Canada)

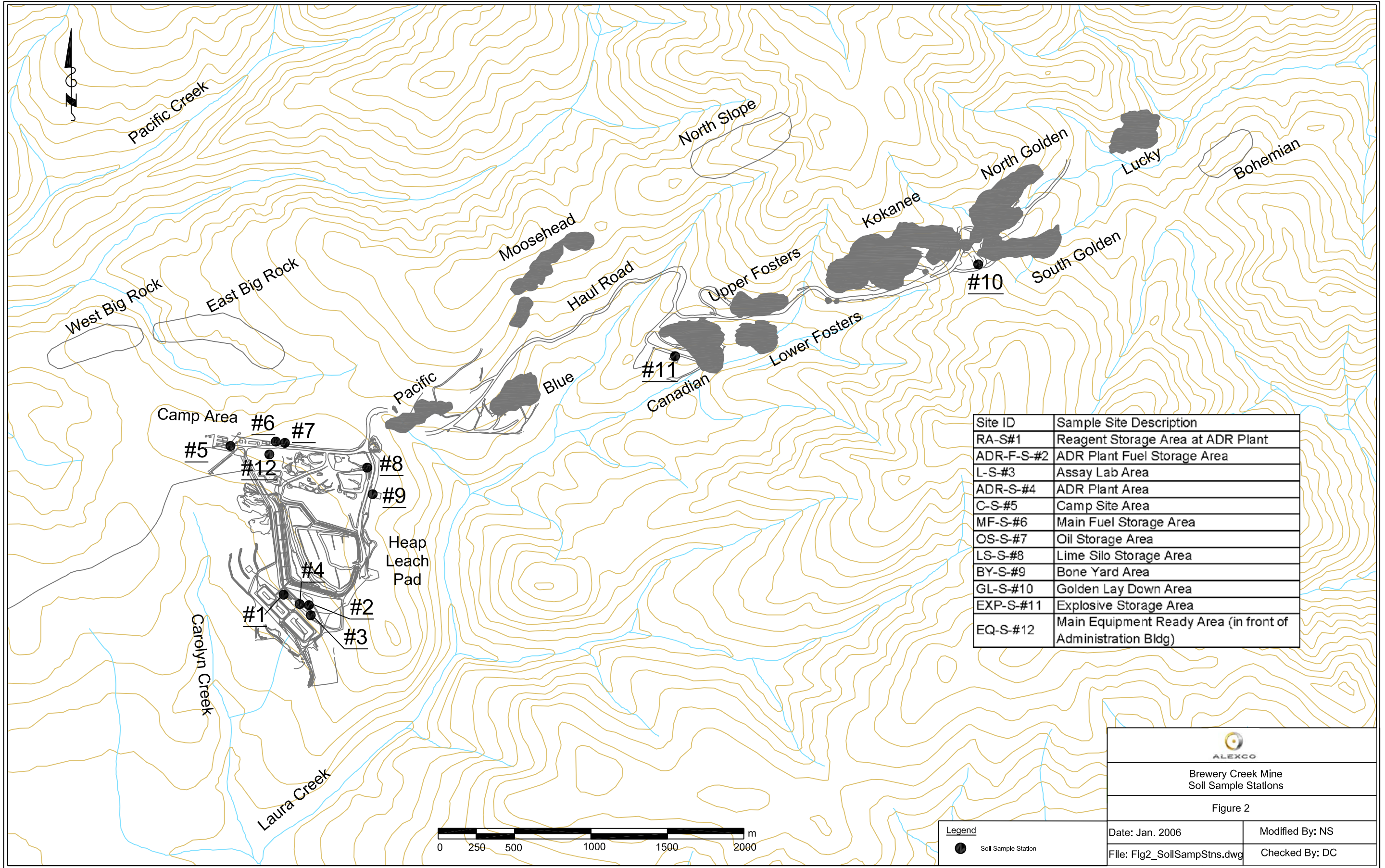
British Columbia (Canada)




Soil Survey Brewery Creek Mine, Yukon Territory

Drawn By: HD	Figure 1
Checked By: DC	Date: Jan. 2006

Our file: D:\Project\AllProjects\ALEX-05-01\gis\mxd\BreweryCreek\Fig1_Loc.mxd



Site ID	Sample Site Description
RA-S#1	Reagent Storage Area at ADR Plant
ADR-F-S-#2	ADR Plant Fuel Storage Area
L-S-#3	Assay Lab Area
ADR-S-#4	ADR Plant Area
C-S-#5	Camp Site Area
MF-S-#6	Main Fuel Storage Area
OS-S-#7	Oil Storage Area
LS-S-#8	Lime Silo Storage Area
BY-S-#9	Bone Yard Area
GL-S-#10	Golden Lay Down Area
EXP-S-#11	Explosive Storage Area
EQ-S-#12	Main Equipment Ready Area (in front of Administration Bldg)


 ALEXCO	
Brewery Creek Mine Soil Sample Stations	
Figure 2	
Date: Jan. 2006	Modified By: NS
File: Fig2_SoilSampStns.dwg	Checked By: DC

Legend
 ● Soil Sample Station





Legend	
●	Soil Sample Station

 ALEXCO	
Brewery Creek Mine Site Soil Sample Stations	
Figure 3	
Date: Jan. 2006	Modified By: NS
File: Fig3_SoilSampStnsMineSite.dwg	Checked By: DC

3.0 RESULTS

Table 2 displays the analytical results of the soil samples analysis by Bodycote Norwest Labs in Vancouver. Also included are the detection limits and Yukon *Contaminated Sites Regulations* (CSR) criteria for applicable parameters. Appendix B contains laboratory analytical results from Norwest Labs.

Table 2: Brewery Creek Mine Soil Analytical Results Compared with Yukon Contaminated Sites Regulations

Sample Description	Units	Oil Storage	Equipment Area	Oil Storage	Equipment Area	Detection Limit	Yukon CSR* - Industrial	Yukon CSR* - Parkland
Site Id		OS-S-#7	EQ-S-#12	OS-S-#7	EQ-S-#12			
Lot Id		495182-22	495182-23	579406-2	579406-1			
Date Sampled		20-Sep-06	20-Sep-06	22-Aug-07	22-Aug-07			
Sampled By		D.Desmarais	D.Desmarais	D.Desmarais	D.Desmarais			
Sample Depth		10cm	10cm	10cm	10cm			
Parameter								
Metals (Strong Acid Leachable)								
Antimony	µg/g	607	221	686	206	0.5	40	20
Arsenic	µg/g	1010	361	1480	438	0.2	100*	50*
Barium	µg/g	825	1040	704	900	0.03	2000	500
Beryllium	µg/g	0.73	0.89	0.68	0.96	0.01	8	4
Cadmium	µg/g	2.3	3.1	11.5	5.61	0.05	500*	70*
Chromium	µg/g	27.4	23.5	29	21.3	0.04	700*	300*
Cobalt	µg/g	12.7	11.2	13.2	11.5	0.05	300	50
Copper	µg/g	45.5	42.3	48.1	47	0.05	250*	150*
Lead	µg/g	32.1	29.8	34.8	60.5	0.3	2000*	1000*
Mercury	µg/g	1.55	0.996	1.83	2.9	0.003	150*	100*
Molybdenum	µg/g	7.66	8.76	5.93	7.8	0.05	40	10
Nickel	µg/g	63.2	68.7	46	48	0.1	500	100
Selenium	µg/g	0.4	2.1	<0.3	<0.3	0.3	10	3
Silver	µg/g	0.7	1.1	<0.2	<0.2	0.2	40	20
Thallium	µg/g					0.3		
Tin	µg/g	0.5	0.6	2.1	1.1	0.2	300	50
Vanadium	µg/g	59.7	66.1	62.2	61.8	0.1	None	200
Zinc	µg/g	262	353	265	308	0.1	600*	450*
pH in soil								
pH		7	7.2	6.6	7.7	0.5		
EPHs								
LEPHs	µg/g	138	390	214	513	20	2000	1000
HEPHs	µg/g	2420	6860	2820	4260	20	5000	1000
PAHs								
Acenaphthene	µg/g	<0.05	<0.05	<0.05	<0.05	0.05		
Acenaphthylene	µg/g	<0.05	<0.05	<0.05	<0.05	0.05		
Anthracene	µg/g	<0.05	<0.05	<0.05	<0.05	0.05		
Benzo(a)anthracene	µg/g	<0.05	<0.05	<0.05	<0.05	0.05	10	1
Benzo(a)pyrene	µg/g	<0.05	<0.05	<0.05	<0.05	0.05	10*	1*
Benzo(b)fluoranthene	µg/g	<0.05	<0.05	<0.05	<0.05	0.05	10	1
Benzo(g,h,i)perylene	µg/g	<0.05	<0.05	<0.05	<0.05	0.05		
Benzo(k)fluoranthene	µg/g	<0.05	<0.05	<0.05	<0.05	0.05	10	1
Chrysene	µg/g	<0.05	<0.05	<0.05	<0.05	0.05		
Dibenzo(a,h)anthracene	µg/g	<0.05	<0.05	<0.05	<0.05	0.05	10	1
Fluoranthene	µg/g	<0.05	<0.05	<0.05	<0.05	0.05		
Fluorene	µg/g	<0.05	<0.05	<0.05	<0.05	0.05		
Indeno(1,2,3-c,d)pyrene	µg/g	<0.05	<0.05	<0.05	<0.05	0.05	10	1
Naphthalene	µg/g	<0.05	<0.05	<0.05	<0.05	0.05	50	5
Phenanthrene	µg/g	<0.05	<0.05	<0.05	<0.05	0.05	50	5
Pyrene	µg/g	<0.05	<0.05	<0.05	<0.05	0.05	100	10
2-Fluorobiphenyl (%)	%	90	99	92	92	40-130		
Nitrobenzene-d5 (%)	%	130	116	87	115	40-130		
p-Terphenyl-d14 (%)	%	107	112	122	121	40-130		

Notes:

* Contaminated Sites Regulation standards for Environmental Protection, toxicity to soil invertebrates and plants

Yellow highlight indicates result exceeds CSR criteria for industrial site - for grab sample

4.0 CONCLUSIONS

The elevated levels of arsenic are notable for their exceedances of the CSR for Industrial soil criteria, but also notable for their natural exceedances as outlined by the pre-mining exploration sampling collected from 1989-1994. Prior to construction the Oil Storage Area was constructed with a 30 mil polyethylene liner to prevent any potential spills from contaminating the adjacent areas. Thus this area can easily be converted into a land treatment facility (LTF) to remediate. HEPH and LEPH levels in the Oil Storage Area are now below industrial standards and have been significantly reduced from 2005 levels. In the Oil Storage Area, HEPH levels have been reduced from a 2005 value of 14,400 ug/g to a 2007 level of 2,620 ug/g. This demonstrates the success of the land farming and fertilization program. Follow up HEPH and LEPH sampling should be conducted in 3 years to confirm results and stability of hydrocarbons in soils.

Should you have any questions regarding this report, or require further information, please contact the undersigned at Access Consulting Group in Whitehorse, Yukon.

Respectfully submitted and prepared by:

ACCESS CONSULTING GROUP

A registered trade name for Access Mining Consultants Ltd.



Dave Desmarais

Environmental Technologist

Appendix A

Soil Sampling Selected Plates



Plate 1. Main Equipment Ready Area – sample site EQ-S-#12.



Plate 2. Oil Storage Area – sample site OS-S-#7.

Appendix B

Norwest Labs Analytical Results

579406

Control Number



**NORWEST
LABS**

Environmental Sample Information Sheet

NOTE Proper completion of this form is required in order to proceed with analysis
See reverse for contacting your nearest Norwest location and proper sampling protocol

Billing Address		Report To: <input checked="" type="checkbox"/>	Copy of Report To:		Copy of invoice: <input type="checkbox"/>
Company: Access Consulting Group		QA/QC Report <input checked="" type="checkbox"/>	Company:		Mail invoice to this address for approval <input type="checkbox"/>
Address: #3 Calcite Business Centre-151 Industrial Road Whitehorse, YT Y1A 2V3			Address:		
Attention: Dave Desmarais		Report Result:	Attention: Scott Keesey		Report Result:
Phone: 867-668-6364		Fax <input type="checkbox"/>	Phone:		Fax <input type="checkbox"/>
Fax: 867-667-6680		Mail <input type="checkbox"/>	Fax:		Mail <input type="checkbox"/>
Cell:		Courier <input type="checkbox"/>	Cell:		Courier <input type="checkbox"/>
Email: dave@accessconsulting.ca		Email <input checked="" type="checkbox"/>	Email: scott@accessconsulting.ca		Email <input checked="" type="checkbox"/>

Information to be included on Report and Invoice	RUSH Please contact the laboratory to confirm rush dates and times before submitting samples. Upon filling out this section, client accepts that surcharges will be attached to this analysis Required on: all analyses or as indicated <input type="checkbox"/> or <input type="checkbox"/> Date required: _____ Signature: _____ Norwest Authorization: _____	Sample Custody (Please Print)	
		Sampled by: D. Desmarais Date: Aug 22 2007	Company: ACG Signature: _____
		Relinquished by: D. Desmarais	Company: ACG Date: Oct 9, 2007
		Waybill number: _____	Received by: _____
		Company: _____ Date: _____	Processed by: _____
		Company: _____ Date: _____	Norwest Labs Date: OCT 10 2007

Special Instructions/Comments 2 Sites were sampled for soils. 64's CTEH9 Confirmed analysis with Scott K.							Number of Containers	TW21 dissolved metals	TW22 total metals	Routine Water & WAD Cyanide	Routine Water	Total Cyanide	Ammonia & Nitrate	Total Metals EPH, LEPH, HEPH, PAH
Sample Identification	Location	Depth	Date/Time Sampled	Matrix	Sampling Method	Number of Containers	Enter tests above (check off relevant samples below)							
1 Oil Storage Area (65)		-	11/13/07	Soil	Grab	1		<input checked="" type="checkbox"/>						
2 Main Equipment Area (66)		-	11/13/07	Soil	Grab	1		<input checked="" type="checkbox"/>						
3		-												
4		-												
5		-												
6		-												
7		-												
8		-												
9		-												
10		-												
11		-												
12		-												
13		-												
14		-												

NOTE: All hazardous samples must be labeled according to WHMIS guidelines.

Page ___ of ___
##

Accredited by the Standards Council of Canada for specific tests

Bill To: Alexco Resource Corp.	Project:	Lot ID: 579406
Report To: Access Mining Consultants Ltd.	ID: Quarterly Sampling	Approval Status: Approved
# 3 Calcite Business Centre	Name: Brewery Creek	Invoice Frequency: by Lot
151 Industrial Road	Location: Brewery Creek	COD Status:
Whitehorse, YT, Canada	LSD:	Control Number:
Y1A 2V3	P.O.: ALEX-06-BCM-01	Date Received: Oct 10, 2007
Attn: Dave Desmarais	Acct code:	Date Reported: Oct 17, 2007
Sampled By: D. Desmarais		Report Number: 1058683
Company: ACG		

Contact	Company	Address
Scott Keesey	Access Mining Consultants Ltd.	# 3 Calcite Business Centre, 151 Industrial Road Whitehorse, YT Y1A 2V3
		Phone: (867) 668-6463 Fax: (867) 667-6680
		Email: scott@accessconsulting.ca

Copies	Delivery	Format
1	Email - Multiple Reports	PDF
1	Email - Multiple Reports	Standard Crosstab

Dave Desmarais	Access Mining Consultants Ltd.	# 3 Calcite Business Centre, 151 Industrial Road Whitehorse, YT Y1A 2V3
		Phone: (867) 668-6463 Fax: (867) 667-6680
		Email: dave@accessconsulting.ca

Copies	Delivery	Format
M 1	Post	
1	Email - Multiple Reports	PDF
1	Email - Multiple Reports	Standard Crosstab

_____ PAGES IN THIS TRANSMISSION

Notes To Clients:

- Analysis was completed on samples that exceeded the recommended holding time for CTEH9 analysis.

Reports associated with this Lot

<u>Id/Format/Report Date</u>	<u>Id/Format/Report Date</u>	<u>Id/Format/Report Date</u>
------------------------------	------------------------------	------------------------------

The information contained on this and all other pages transmitted, is intended for the addressee only and is considered confidential. If the reader is not the intended recipient, you are hereby notified that any use, dissemination, distribution or copy of this transmission is strictly prohibited. If you receive this transmission by error, or if this transmission is not satisfactory, please notify us by telephone.

Sample Custody

Bill To: Alexco Resource Corp.	Project:	Lot ID: 579406
Report To: Access Mining Consultants Ltd.	ID: Quarterly Sampling	Control Number:
# 3 Calcite Business Centre	Name: Brewery Creek	Date Received: Oct 10, 2007
151 Industrial Road	Location: Brewery Creek	Date Reported: Oct 17, 2007
Whitehorse, YT, Canada	LSD:	Report Number: 1058683
Y1A 2V3	P.O.: ALEX-06-BCM-01	
Attn: Dave Desmarais	Acct code:	
Sampled By: D. Desmarais		
Company: ACG		

Sample Disposal Date: November 16, 2007

All samples will be stored until this date unless other instructions are received. Please indicate other requirements below and return this form to the address or fax number on the bottom of this page.

Extend Sample Storage Until _____ (MM/DD/YY)

The following charges apply to extended sample storage:

Storage for 1 to 5 samples per month	\$ 10.00
Storage for 6 to 20 samples per month	\$ 15.00
Storage for 21 to 50 samples per month	\$ 30.00
Storage for 51 to 200 samples per month	\$ 60.00
Storage for more than 200 samples per month	\$ 110.00

Return Sample, collect, to the address below via:

Greyhound

Loomis

Purolator

Other (specify) _____

Name _____

Company _____

Address _____

Phone _____

Fax _____

Signature _____

Analytical Report


Bill To: Alexco Resource Corp.	Project:	Lot ID: 579406
Report To: Access Mining Consultants Ltd.	ID: Quarterly Sampling	Control Number:
# 3 Calcite Business Centre	Name: Brewery Creek	Date Received: Oct 10, 2007
151 Industrial Road	Location: Brewery Creek	Date Reported: Oct 17, 2007
Whitehorse, YT, Canada	LSD:	Report Number: 1058683
Y1A 2V3	P.O.: ALEX-06-BCM-01	
Attn: Dave Desmarais	Acct code:	
Sampled By: D. Desmarais		
Company: ACG		

		Reference Number	579406-1	579406-2	
		Sample Date	Aug 22, 2007	Aug 22, 2007	
		Sample Location			
		Sample Description	Oil Storage Area / OS Soil	Main Equipment Area / EQ Soil	
		Matrix			
Analyte	Units	Results	Results	Results	Detection Limit
Metals Strong Acid Digestion					
Antimony	Strong Acid Extractable	ug/g	686	206	0.5
Arsenic	Strong Acid Extractable	ug/g	1480	438	0.2
Barium	Strong Acid Extractable	ug/g	704	900	0.03
Beryllium	Strong Acid Extractable	ug/g	0.68	0.96	0.01
Cadmium	Strong Acid Extractable	ug/g	11.5	5.61	0.05
Chromium	Strong Acid Extractable	ug/g	29.0	21.3	0.04
Cobalt	Strong Acid Extractable	ug/g	13.2	11.5	0.05
Copper	Strong Acid Extractable	ug/g	48.1	47.0	0.05
Lead	Strong Acid Extractable	ug/g	34.8	60.5	0.3
Mercury	Strong Acid Extractable	ug/g	1.83	2.90	0.003
Molybdenum	Strong Acid Extractable	ug/g	5.93	7.80	0.05
Nickel	Strong Acid Extractable	ug/g	46.0	48.0	0.1
Selenium	Strong Acid Extractable	ug/g	<0.3	<0.3	0.3
Silver	Strong Acid Extractable	ug/g	<0.2	<0.2	0.2
Tin	Strong Acid Extractable	ug/g	2.1	1.1	0.2
Vanadium	Strong Acid Extractable	ug/g	62.2	61.8	0.1
Zinc	Strong Acid Extractable	ug/g	265	308	0.1
Soil Acidity					
pH	1:2 Soil:Water	pH	6.6	7.7	0.5
Extractable Petroleum Hydrocarbons - Soil					
LEPHs	Dry Weight	ug/g	214	513	20
HEPHs	Dry Weight	ug/g	2820	4260	20
Polycyclic Aromatic Hydrocarbons - Soil					
Acenaphthene	Dry Weight	ug/g	<0.05	<0.05	0.05
Acenaphthylene	Dry Weight	ug/g	<0.05	<0.05	0.05
Anthracene	Dry Weight	ug/g	<0.05	<0.05	0.05
Benzo(a)anthracene	Dry Weight	ug/g	<0.05	<0.05	0.05
Benzo(a)pyrene	Dry Weight	ug/g	<0.05	<0.05	0.05
Benzo(b)fluoranthene	Dry Weight	ug/g	<0.05	<0.05	0.05
Benzo(g,h,i)perylene	Dry Weight	ug/g	<0.05	<0.05	0.05
Benzo(k)fluoranthene	Dry Weight	ug/g	<0.05	<0.05	0.05
Chrysene	Dry Weight	ug/g	<0.05	<0.05	0.05
Dibenzo(a,h)anthracene	Dry Weight	ug/g	<0.05	<0.05	0.05
Fluoranthene	Dry Weight	ug/g	<0.05	<0.05	0.05
Fluorene	Dry Weight	ug/g	<0.05	<0.05	0.05
Indeno(1,2,3-c,d)pyrene	Dry Weight	ug/g	<0.05	<0.05	0.05
Naphthalene	Dry Weight	ug/g	<0.05	<0.05	0.05
Phenanthrene	Dry Weight	ug/g	<0.05	<0.05	0.05

Analytical Report

Bill To: Alexco Resource Corp.	Project:	Lot ID: 579406
Report To: Access Mining Consultants Ltd.	ID: Quarterly Sampling	Control Number:
# 3 Calcite Business Centre	Name: Brewery Creek	Date Received: Oct 10, 2007
151 Industrial Road	Location: Brewery Creek	Date Reported: Oct 17, 2007
Whitehorse, YT, Canada	LSD:	Report Number: 1058683
Y1A 2V3	P.O.: ALEX-06-BCM-01	
Attn: Dave Desmarais	Acct code:	
Sampled By: D. Desmarais		
Company: ACG		

Analyte	Units	Reference Number	Results	Results	Detection Limit
		Sample Date	Oil Storage Area / OS Soil	Main Equipment Area / EQ Soil	
Polycyclic Aromatic Hydrocarbons - Soil - Continued					
Pyrene	Dry Weight	579406-1	<0.05	<0.05	0.05
PAH - Soil - Surrogate Recovery					
2-Fluorobiphenyl	PAH - Surrogate	Aug 22, 2007	92	92	40-130
Nitrobenzene-d5	PAH - Surrogate	Aug 22, 2007	87	115	40-130
p-Terphenyl-d14	PAH - Surrogate		122	121	40-130

Approved by: 
 Walter Brandl
 Operations Manager - Surrey

Quality Control

Bill To: Alexco Resource Corp. Report To: Access Mining Consultants Ltd. # 3 Calcite Business Centre 151 Industrial Road Whitehorse, YT, Canada Y1A 2V3 Attn: Dave Desmarais Sampled By: D. Desmarais Company: ACG	Project: ID: Quarterly Sampling Name: Brewery Creek Location: Brewery Creek LSD: P.O.: ALEX-06-BCM-01 Acct code:	Lot ID: 579406 Control Number: Date Received: Oct 10, 2007 Date Reported: Oct 17, 2007 Report Number: 1058683
--	---	--

Metals Strong Acid Digestion

Blanks	Units	Measured	Mean	Lower Limit	Upper Limit	Passed QC
Antimony	ug/g	<0.5	0.0	-0.0	0.0	yes
Arsenic	ug/g	<0.2	0.0	-0.0	0.0	yes
Barium	ug/g	<0.03	0.00	-0.03	0.03	yes
Beryllium	ug/g	<0.01	0.00	-0.00	0.00	yes
Cadmium	ug/g	<0.05	0.00	-0.00	0.00	yes
Chromium	ug/g	<0.04	0.00	-0.00	0.00	yes
Cobalt	ug/g	<0.05	0.00	-0.00	0.00	yes
Copper	ug/g	<0.05	0.00	-0.00	0.00	yes
Lead	ug/g	<0.3	0.0	-0.0	0.0	yes
Mercury	ug/g	<0.003	0.000	-0.030	0.030	yes
Molybdenum	ug/g	<0.05	0.00	-0.00	0.00	yes
Nickel	ug/g	<0.1	0.0	-0.0	0.0	yes
Selenium	ug/g	<0.3	0.0	-0.0	0.0	yes
Silver	ug/g	<0.2	0.0	-0.0	0.0	yes
Thallium	ug/g	<0.3	0.0	-0.0	0.0	yes
Tin	ug/g	<0.2	0.0	-0.0	0.0	yes
Vanadium	ug/g	<0.1	0.0	-0.0	0.0	yes
Zinc	ug/g	0.1	0.0	-0.0	0.0	yes

Material Used: Metals Blank - soils
 Date Acquired: October 12, 2007
 Acquired By: Kelly Restiaux

Replicates	Units	Replicate1	Replicate2	% RSD Criteria	Absolute Criteria	Passed QC
Antimony	ug/g	<0.5	<0.5	30.0	3.0	yes
Arsenic	ug/g	2.4	2.1	30.0	1.0	yes
Barium	ug/g	41.3	39.3	30.00	1.00	yes
Beryllium	ug/g	0.22	0.21	30.00	0.50	yes
Cadmium	ug/g	0.1	0.2	30.00	0.50	yes
Chromium	ug/g	31.1	27.0	30.00	1.00	yes
Cobalt	ug/g	22.4	21.6	30.00	0.50	yes
Copper	ug/g	126	126	30.00	1.00	yes
Lead	ug/g	2.9	2.5	30.0	0.5	yes
Molybdenum	ug/g	<0.05	0.06	30.00	0.50	yes
Nickel	ug/g	28.9	27.6	30.0	0.5	yes
Selenium	ug/g	<0.3	<0.3	30.0	0.5	yes
Silver	ug/g	<0.2	<0.2	30.0	0.5	yes
Tin	ug/g	<0.2	<0.2	30.0	1.0	yes
Vanadium	ug/g	129	126	30.0	1.0	yes
Zinc	ug/g	75.9	72.9	30.0	1.0	yes

Material Used: Metals Int. Duplicate - soils
 Date Acquired: October 12, 2007
 Acquired By: Kelly Restiaux

Quality Control

Bill To: Alexco Resource Corp.	Project:	Lot ID: 579406
Report To: Access Mining Consultants Ltd.	ID: Quarterly Sampling	Control Number:
# 3 Calcite Business Centre	Name: Brewery Creek	Date Received: Oct 10, 2007
151 Industrial Road	Location: Brewery Creek	Date Reported: Oct 17, 2007
Whitehorse, YT, Canada	LSD:	Report Number: 1058683
Y1A 2V3	P.O.: ALEX-06-BCM-01	
Attn: Dave Desmarais	Acct code:	
Sampled By: D. Desmarais		
Company: ACG		

Metals Strong Acid Digestion - Continued

Control Sample	Units	Measured	Mean	Lower Limit	Upper Limit	Passed QC
Antimony	ug/g	9.2	10.0	4.0	16.0	yes
Arsenic	ug/g	93.5	91.4	72.2	110.6	yes
Barium	ug/g	184	185.00	140.00	230.00	yes
Beryllium	ug/g	0.94	1.03	0.73	1.33	yes
Cadmium	ug/g	42.0	40.90	32.92	48.88	yes
Chromium	ug/g	18.3	18.00	15.00	21.00	yes
Cobalt	ug/g	7.87	7.30	4.75	9.85	yes
Copper	ug/g	111	108.00	85.20	130.80	yes
Lead	ug/g	1280	1097.0	836.0	1358.0	yes
Mercury	ug/g	6.12	6.110	3.740	8.480	yes
Molybdenum	ug/g	1.0	1.02	0.72	1.32	yes
Nickel	ug/g	15.5	17.0	13.4	20.6	yes
Selenium	ug/g	<0.3	1.2	-0.3	2.7	yes
Silver	ug/g	<0.2	2.0	-4.3	8.3	yes
Thallium	ug/g	1.4	1.0	-0.5	2.5	yes
Tin	ug/g	2.6	2.3	1.5	3.1	yes
Vanadium	ug/g	39.9	44.0	33.5	54.5	yes
Zinc	ug/g	305	320.0	245.0	395.0	yes

Material Used: S0529 NIST 2711 - metals in soil

Date Acquired: October 12, 2007

Acquired By: Kelly Restiaux

Antimony	ug/g	0.8	7.3	1.1	13.5	yes
Arsenic	ug/g	24.0	23.3	18.9	27.7	yes
Barium	ug/g	79.6	294.00	101.10	486.90	yes
Beryllium	ug/g	0.37	0.41	0.33	0.49	yes
Chromium	ug/g	46.9	48.10	37.35	58.85	yes
Cobalt	ug/g	8.97	8.75	6.10	11.40	yes
Copper	ug/g	317	297.00	263.49	330.51	yes
Lead	ug/g	158	167.0	139.5	194.5	yes
Mercury	ug/g	0.704	2.880	2.590	3.170	yes
Molybdenum	ug/g	4.6	4.57	3.75	5.39	yes
Nickel	ug/g	31.0	31.6	24.8	38.4	yes
Selenium	ug/g	<0.3	0.0	0.0	0.0	yes
Silver	ug/g	<0.2	1.2	0.9	1.5	yes
Thallium	ug/g	1.5	0.5	0.2	0.8	yes
Vanadium	ug/g	74.0	74.4	57.8	91.0	yes
Zinc	ug/g	338	337.0	285.1	388.9	yes

Material Used: S0535 - PACS-2 marine sediment

Date Acquired: October 12, 2007

Acquired By: Kelly Restiaux

Soil Acidity

Quality Control

Bill To: Alexco Resource Corp.	Project:	Lot ID: 579406
Report To: Access Mining Consultants Ltd.	ID: Quarterly Sampling	Control Number:
# 3 Calcite Business Centre	Name: Brewery Creek	Date Received: Oct 10, 2007
151 Industrial Road	Location: Brewery Creek	Date Reported: Oct 17, 2007
Whitehorse, YT, Canada	LSD:	Report Number: 1058683
Y1A 2V3	P.O.: ALEX-06-BCM-01	
Attn: Dave Desmarais	Acct code:	
Sampled By: D. Desmarais		
Company: ACG		

Soil Acidity

Calibration Check	Units	Measured	Target	% Recovery	Criteria (%)	Passed QC
pH	pH	8.0	8.0	99.9	99.6 - 100.8	yes
Material Used:	CC - pH					
Date Acquired:	October 12, 2007					
Acquired By:	Heather Johnson					

Replicates	Units	Replicate1	Replicate2	% RSD Criteria	Absolute Criteria	Passed QC
pH	pH	6.2	6.2	0.2	0.1	yes
Material Used:	Surrey - Int. Duplicate 1					
Date Acquired:	October 12, 2007					
Acquired By:	Heather Johnson					

Control Sample	Units	Measured	Mean	Lower Limit	Upper Limit	Passed QC
pH	pH	6.1	6.1	5.9	6.2	yes
Material Used:	Soil pH 98 FS-015					
Date Acquired:	October 12, 2007					
Acquired By:	Heather Johnson					

Extractable Petroleum Hydrocarbons - Soil

Blanks	Units	Measured	Mean	Lower Limit	Upper Limit	Passed QC
EPHs10-19	ug/g	<20	0	-20	20	yes
EPHs19-32	ug/g	<20	0	-20	20	yes
Material Used:	Method Blank - EPH					
Date Acquired:	October 11, 2007					
Acquired By:	Sandra Chu					

Calibration Check	Units	Measured	Target	% Recovery	Criteria (%)	Passed QC
EPHs10-19	ug/mL	53.0	50	107	80 - 120	yes
EPHs19-32	ug/mL	53.0	50	107	80 - 120	yes
Material Used:	Calibration Check - EPH					
Date Acquired:	October 11, 2007					
Acquired By:	Sandra Chu					

Replicates	Units	Replicate1	Replicate2	% RSD Criteria	Absolute Criteria	Passed QC
EPHs10-19	ug/g	513	502	60	100	yes
EPHs19-32	ug/g	4260	4520	60	100	yes
Material Used:	Matrix Spike Duplicate 2 - EPH					
Date Acquired:	October 11, 2007					
Acquired By:	Sandra Chu					

Matrix Spike	Units	Measured	Actual	% Recovery	Criteria (%)	Passed QC
EPHs10-19	ug/g	26	25.3	53	73 - 113	yes
EPHs19-32	ug/g	27	26.42	80	75 - 115	yes

Quality Control

Bill To: Alexco Resource Corp.	Project:	Lot ID: 579406
Report To: Access Mining Consultants Ltd.	ID: Quarterly Sampling	Control Number:
# 3 Calcite Business Centre	Name: Brewery Creek	Date Received: Oct 10, 2007
151 Industrial Road	Location: Brewery Creek	Date Reported: Oct 17, 2007
Whitehorse, YT, Canada	LSD:	Report Number: 1058683
Y1A 2V3	P.O.: ALEX-06-BCM-01	
Attn: Dave Desmarais	Acct code:	
Sampled By: D. Desmarais		
Company: ACG		

Extractable Petroleum Hydrocarbons - Soil - Continued

Matrix Spike	Units	Measured	Actual	% Recovery	Criteria (%)	Passed QC
Material Used: Matrix Spike - EPH						
Date Acquired: October 11, 2007						
Acquired By: Sandra Chu						

Polycyclic Aromatic Hydrocarbons - Soil

Blanks	Units	Measured	Mean	Lower Limit	Upper Limit	Passed QC
Acenaphthene	ug/g	<0.05	0.00	-0.05	0.05	yes
Acenaphthylene	ug/g	<0.05	0.00	-0.05	0.05	yes
Anthracene	ug/g	<0.05	0.00	-0.05	0.05	yes
Benzo(a)anthracene	ug/g	<0.05	0.00	-0.05	0.05	yes
Benzo(a)pyrene	ug/g	<0.05	0.00	-0.05	0.05	yes
Benzo(b)fluoranthene	ug/g	<0.05	0.00	-0.05	0.05	yes
Benzo(g,h,i)perylene	ug/g	<0.05	0.00	-0.05	0.05	yes
Benzo(k)fluoranthene	ug/g	<0.05	0.00	-0.05	0.05	yes
Chrysene	ug/g	<0.05	0.00	-0.05	0.05	yes
Dibenzo(a,h)anthracene	ug/g	<0.05	0.00	-0.05	0.05	yes
Fluoranthene	ug/g	<0.05	0.00	-0.05	0.05	yes
Fluorene	ug/g	<0.05	0.00	-0.05	0.05	yes
Indeno(1,2,3-c,d)pyrene	ug/g	<0.05	0.00	-0.05	0.05	yes
Naphthalene	ug/g	<0.05	0.00	-0.05	0.05	yes
Phenanthrene	ug/g	<0.05	0.00	-0.05	0.05	yes
Pyrene	ug/g	<0.05	0.00	-0.05	0.05	yes
Material Used: Method Blank - PAH(Sry)						
Date Acquired: October 11, 2007						
Acquired By: Craig Stehr						

Calibration Check	Units	Measured	Target	% Recovery	Criteria (%)	Passed QC
Acenaphthene	ng/mL	998.9	1000.00	99.89	79.99 - 120.01	yes
Acenaphthylene	ng/mL	1005.6	1000.00	100.56	79.99 - 120.01	yes
Anthracene	ng/mL	1021.0	1000.00	102.10	79.99 - 120.01	yes
Benzo(a)anthracene	ng/mL	1018.2	1000.00	101.82	79.99 - 120.01	yes
Benzo(a)pyrene	ng/mL	1023.0	1000.00	102.30	79.99 - 120.01	yes
Benzo(b)fluoranthene	ng/mL	1028.2	1000.00	102.82	79.99 - 120.01	yes
Benzo(g,h,i)perylene	ng/mL	1023.7	1000.00	102.37	79.99 - 120.01	yes
Benzo(k)fluoranthene	ng/mL	1023.9	1000.00	102.39	79.99 - 120.01	yes
Chrysene	ng/mL	1000.3	1000.00	100.03	79.99 - 120.01	yes
Dibenzo(a,h)anthracene	ng/mL	1031.0	1000.00	103.10	79.99 - 120.01	yes
Fluoranthene	ng/mL	1012.4	1000.00	101.24	79.99 - 120.01	yes
Fluorene	ng/mL	1006.4	1000.00	100.64	79.99 - 120.01	yes
Indeno(1,2,3-c,d)pyrene	ng/mL	1032.5	1000.00	103.25	79.99 - 120.01	yes
Naphthalene	ug/mL	1003.0	1000.00	100.30	79.99 - 120.01	yes
Phenanthrene	ng/mL	1006.6	1000.00	100.66	79.99 - 120.01	yes

Quality Control

Bill To: Alexco Resource Corp.	Project:	Lot ID: 579406
Report To: Access Mining Consultants Ltd.	ID: Quarterly Sampling	Control Number:
# 3 Calcite Business Centre	Name: Brewery Creek	Date Received: Oct 10, 2007
151 Industrial Road	Location: Brewery Creek	Date Reported: Oct 17, 2007
Whitehorse, YT, Canada	LSD:	Report Number: 1058683
Y1A 2V3	P.O.: ALEX-06-BCM-01	
Attn: Dave Desmarais	Acct code:	
Sampled By: D. Desmarais		
Company: ACG		

Polycyclic Aromatic Hydrocarbons - Soil - Continued

Calibration Check	Units	Measured	Target	% Recovery	Criteria (%)	Passed QC
Pyrene	ng/mL	1016.2	1000.00	101.62	79.99 - 120.01	yes
Material Used:	Calibration Check - PAH(Sry)					
Date Acquired:	October 11, 2007					
Acquired By:	Craig Stehr					

Replicates	Units	Replicate1	Replicate2	% RSD Criteria	Absolute Criteria	Passed QC
Acenaphthene	ug/g	<0.05	<0.05	60.00	0.25	yes
Acenaphthylene	ug/g	<0.05	<0.05	60.00	0.25	yes
Anthracene	ug/g	<0.05	<0.05	60.00	0.25	yes
Benzo(a)anthracene	ug/g	<0.05	<0.05	60.00	0.25	yes
Benzo(a)pyrene	ug/g	<0.05	<0.05	60.00	0.25	yes
Benzo(b)fluoranthene	ug/g	<0.05	<0.05	60.00	0.25	yes
Benzo(g,h,i)perylene	ug/g	<0.05	<0.05	60.00	0.25	yes
Benzo(k)fluoranthene	ug/g	<0.05	<0.05	60.00	0.25	yes
Chrysene	ug/g	<0.05	<0.05	60.00	0.25	yes
Dibenzo(a,h)anthracene	ug/g	<0.05	<0.05	60.00	0.25	yes
Fluoranthene	ug/g	<0.05	<0.05	60.00	0.25	yes
Fluorene	ug/g	<0.05	<0.05	60.00	0.25	yes
Indeno(1,2,3-c,d)pyrene	ug/g	<0.05	<0.05	60.00	0.25	yes
Naphthalene	ug/g	<0.05	<0.05	60.00	0.25	yes
Phenanthrene	ug/g	<0.05	<0.05	60.00	0.25	yes
Pyrene	ug/g	<0.05	<0.05	60.00	0.25	yes
Material Used:	Matrix Spike Duplicate 2 - PAH(Sry)					
Date Acquired:	October 11, 2007					
Acquired By:	Craig Stehr					

Control Sample	Units	Measured	Mean	Lower Limit	Upper Limit	Passed QC
Acenaphthene	ug/g	98.1	90.00	50.01	129.99	yes
Acenaphthylene	ug/g	91.4	90.00	50.01	129.99	yes
Anthracene	ug/g	74.1	90.00	50.01	129.99	yes
Benzo(a)anthracene	ug/g	89.3	90.00	50.01	129.99	yes
Benzo(a)pyrene	ug/g	80.9	90.00	50.01	129.99	yes
Benzo(b)fluoranthene	ug/g	86.6	90.00	50.01	129.99	yes
Benzo(g,h,i)perylene	ug/g	82.8	90.00	50.01	129.99	yes
Benzo(k)fluoranthene	ug/g	85.9	90.00	50.01	129.99	yes
Chrysene	ug/g	98.3	90.00	50.01	129.99	yes
Dibenzo(a,h)anthracene	ug/g	73.5	90.00	50.01	129.99	yes
Fluoranthene	ug/g	92.4	90.00	50.01	129.99	yes
Fluorene	ug/g	94.2	90.00	50.01	129.99	yes
Indeno(1,2,3-c,d)pyrene	ug/g	74.5	90.00	50.01	129.99	yes
Naphthalene	ug/g	100	90.00	50.01	129.99	yes
Phenanthrene	ug/g	96.6	90.00	50.01	129.99	yes

Quality Control

Bill To: Alexco Resource Corp.	Project:	Lot ID: 579406
Report To: Access Mining Consultants Ltd.	ID: Quarterly Sampling	Control Number:
# 3 Calcite Business Centre	Name: Brewery Creek	Date Received: Oct 10, 2007
151 Industrial Road	Location: Brewery Creek	Date Reported: Oct 17, 2007
Whitehorse, YT, Canada	LSD:	Report Number: 1058683
Y1A 2V3	P.O.: ALEX-06-BCM-01	
Attn: Dave Desmarais	Acct code:	
Sampled By: D. Desmarais		
Company: ACG		

Polycyclic Aromatic Hydrocarbons - Soil - Continued

Control Sample	Units	Measured	Mean	Lower Limit	Upper Limit	Passed QC
Pyrene	ug/g	90.7	90.00	50.01	129.99	yes
Material Used:	Matrix Spike - PAH(Sry)					
Date Acquired:	October 11, 2007					
Acquired By:	Craig Stehr					

PAH - Soil - Surrogate Recovery

Calibration Check	Units	Measured	Target	% Recovery	Criteria (%)	Passed QC
2-Fluorobiphenyl	%	97.3	100	97	80 - 120	yes
Nitrobenzene-d5	%	101.7	100	102	80 - 120	yes
p-Terphenyl-d14	%	106.2	100	106	80 - 120	yes
Material Used:	Calibration Check - PAH(Sry)					
Date Acquired:	October 11, 2007					
Acquired By:	Craig Stehr					

Replicates	Units	Replicate1	Replicate2	% RSD Criteria	Absolute Criteria	Passed QC
2-Fluorobiphenyl	%	92	98	60	0	yes
Nitrobenzene-d5	%	115	93	60	0	yes
p-Terphenyl-d14	%	121	115	60	0	yes
Material Used:	Matrix Spike Duplicate 2 - PAH(Sry)					
Date Acquired:	October 11, 2007					
Acquired By:	Craig Stehr					

Control Sample	Units	Measured	Mean	Lower Limit	Upper Limit	Passed QC
2-Fluorobiphenyl	%	103	85	40	130	yes
Nitrobenzene-d5	%	101	85	40	130	yes
p-Terphenyl-d14	%	98	85	40	130	yes
Material Used:	Matrix Spike - PAH(Sry)					
Date Acquired:	October 11, 2007					
Acquired By:	Craig Stehr					

Methodology and Notes

Bill To: Alexco Resource Corp.	Project:	
Report To: Access Mining Consultants Ltd.	ID: Quarterly Sampling	Lot ID: 579406
# 3 Calcite Business Centre	Name: Brewery Creek	Control Number:
151 Industrial Road	Location: Brewery Creek	Date Received: Oct 10, 2007
Whitehorse, YT, Canada	LSD:	Date Reported: Oct 17, 2007
Y1A 2V3	P.O.: ALEX-06-BCM-01	Report Number: 1058683
Attn: Dave Desmarais	Acct code:	
Sampled By: D. Desmarais		
Company: ACG		

Method of Analysis

Method Name	Reference	Method	Date Analysis Started	Location
EPH - Soil	B.C.M.O.E	* EPH in Solids by GC/FID (Dec. 31, 2000), EPH in Solids	11-Oct-07	BTG Surrey
Metals (Strong Acid Leachable) in soils	B.C.M.O.E	* Strong Acid Leachable Metals (SALM) in Soil, V 1.0, SALM	12-Oct-07	BTG Surrey
PAH - Soil (Surrey)	B.C.M.O.E	* PAHs in Soil by GC/MS/SIM (November 2002), PAH	11-Oct-07	BTG Surrey
PAH - Soil (Surrey)	US EPA	* Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry, 8270	11-Oct-07	BTG Surrey
pH and EC in Soil - 1:2 (Surrey)	McKeague	* 1:2 Soil:Water Ratio, 4.12	12-Oct-07	BTG Surrey

** Bodycote method(s) based on reference method*

References

B.C.M.O.E	B.C. Ministry of Environment
McKeague	Manual on Soil Sampling and Methods of Analysis
US EPA	US Environmental Protection Agency Test Methods

Comments:

- Analysis was completed on samples that exceeded the recommended holding time for CTEH9 analysis.

Please direct any inquiries regarding this report to our Client Services group.

Results relate only to samples as submitted.

The test report shall not be reproduced except in full, without the written approval of the laboratory.



Hydrocarbon Chromatogram

#104 - 19575 55A Avenue

Surrey, BC V3S 8P8

Phone: (604) 514-3322

Fax: (604) 514-3323

Agri-Food & Environmental Group
Calgary Edmonton Winnipeg Lethbridge Surrey

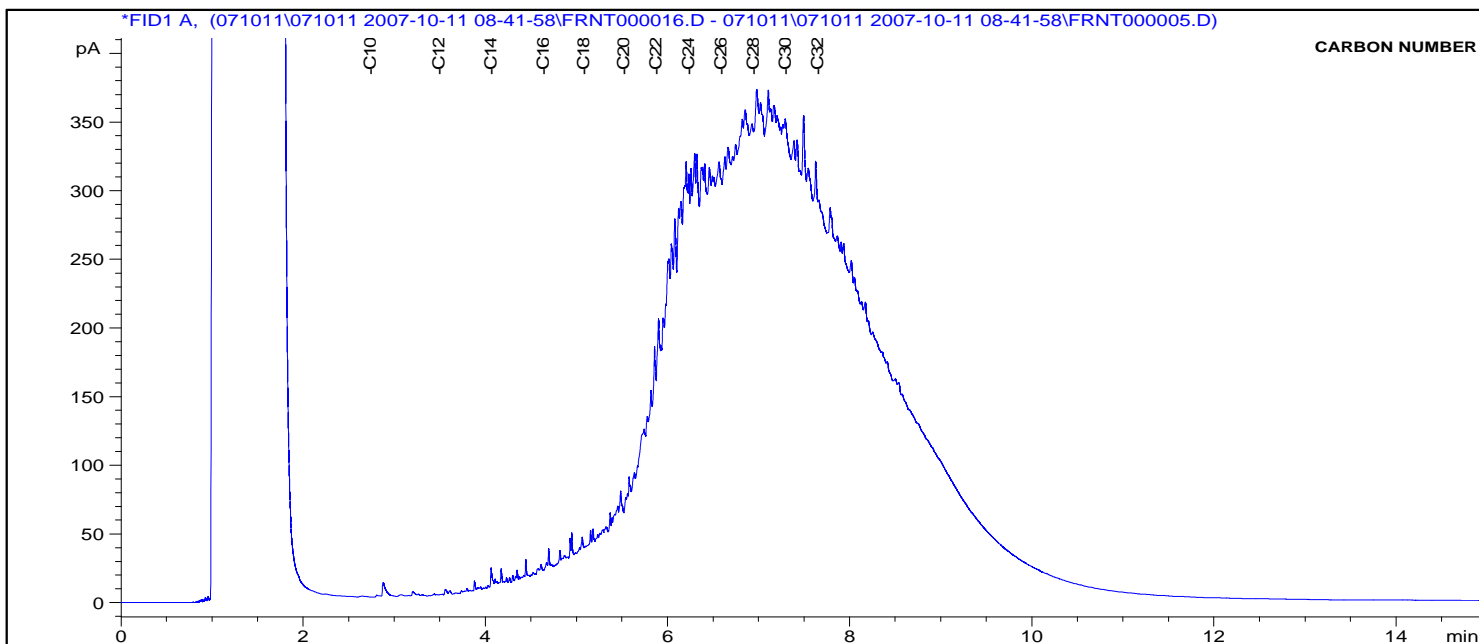
Bill to: Access Mining Consultants Ltd.
Report to: Access Mining Consultants Ltd.
3 Calcite Business Centre
151 Industrial Road
Whitehorse, YT, Canada
Y1A 2V3
Attn: Dave Desmarais
Sampled by: D. Desmarais
ACG

Project ID: Quarterly Sampling
Name: Brewery Creek
Location: Brewery Creek
LSD:
P.O.:

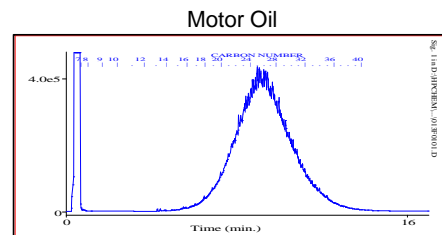
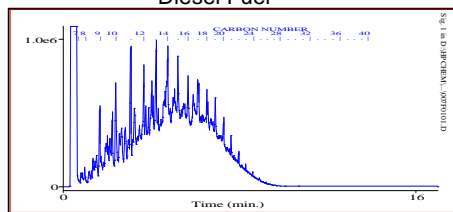
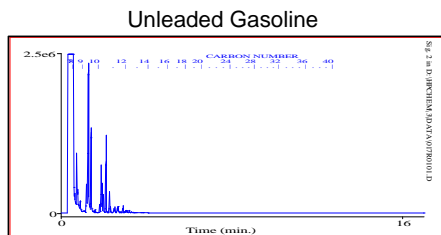
NWL Lot ID: 579406
Control Number:
Date Received: Oct 10, 2007
Date Reported:

NWL Number: 579406-1
Sample Date: Aug 22, 2007

Sample Description: OS Oil Storage Area



TYPICAL PRODUCT CHROMATOGRAMS



Product Carbon Number Ranges					
Gasoline	C4-C12	Kerosene	C7-C16	Lubricating Oils	C20-C40
Varsol	C8-C12	Diesel	C8-C22	Crude Oils	C3-C60+



Hydrocarbon Chromatogram

#104 - 19575 55A Avenue
 Surrey, BC V3S 8P8
 Phone: (604) 514-3322
 Fax: (604) 514-3323

Agri-Food & Environmental Group
 Calgary Edmonton Winnipeg Lethbridge Surrey

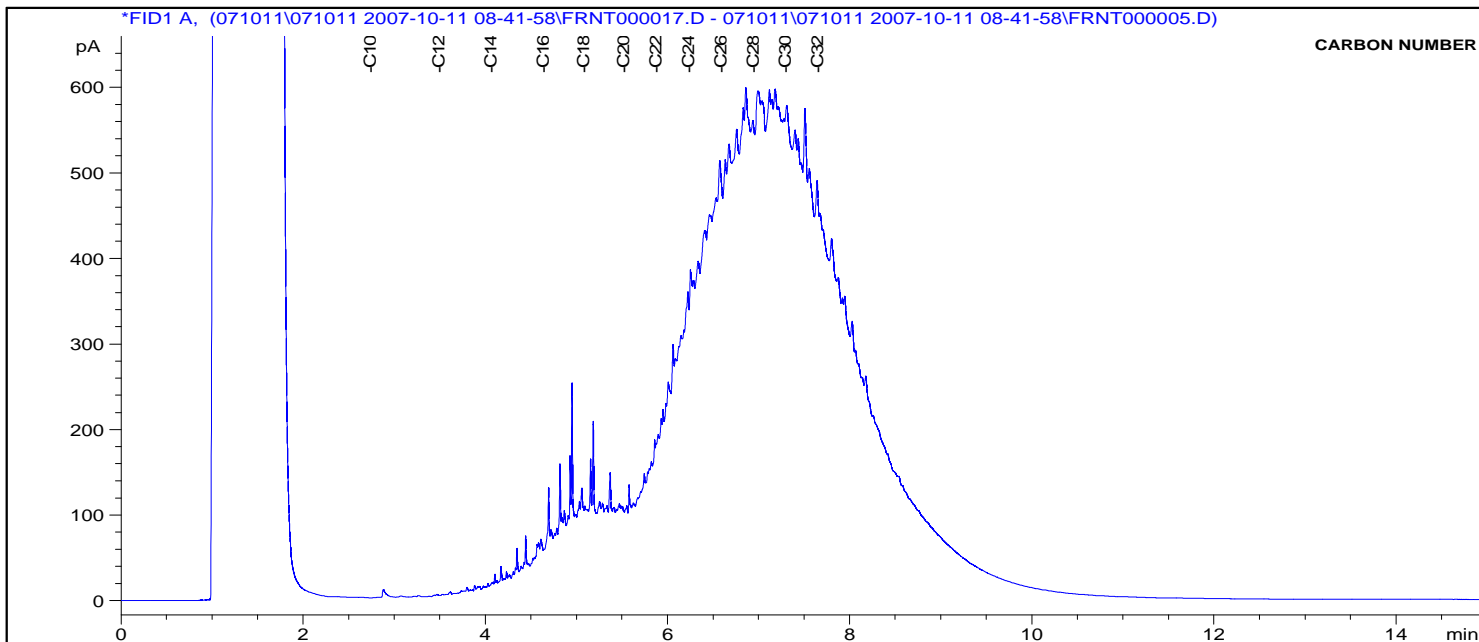
Bill to: Access Mining Consultants Ltd.
Report to: Access Mining Consultants Ltd.
 # 3 Calcite Business Centre
 151 Industrial Road
 Whitehorse, YT, Canada
 Y1A 2V3
 Attn: Dave Desmarais
 Sampled by: D. Desmarais
 ACG

Project ID: Quarterly Sampling
Name: Brewery Creek
Location: Brewery Creek
LSD:
P.O.:

NWL Lot ID: 579406
Control Number:
Date Received: Oct 10, 2007
Date Reported:

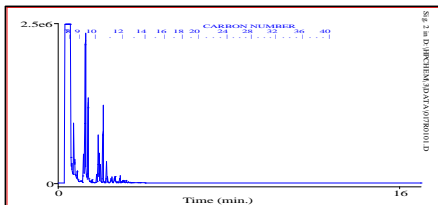
NWL Number: 579406-2
 Sample Date: Aug 22, 2007

Sample Description: EQ Main Equipment Area

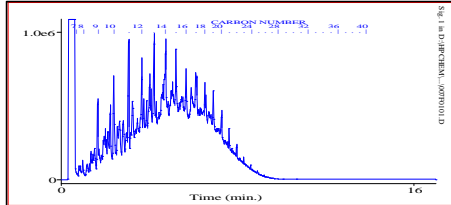


TYPICAL PRODUCT CHROMATOGRAMS

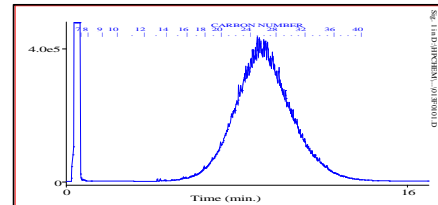
Unleaded Gasoline



Diesel Fuel



Motor Oil



Product Carbon Number Ranges

Gasoline C4-C12
 Varsol C8-C12

Kerosene C7-C16
 Diesel C8-C22

Lubricating Oils C20-C40
 Crude Oils C3-C60+