YMIP FINAL SUBMISSION FORM

		Date submitted:	January 20, 2010
submit by January 31st to:	YMIP- EMR/ YTG Street address: 102-300 Main Street Mailing address: Box 2703, K-102 Whitehorse, Yt, Y1A 2C6		YMIP@gov.yk.ca phone: 867-456-3828 fax: 867-667-3198
(winter placer projects may submit at pre-approved date)			

CONTACT INFO		***PROJECT INFO***	
Name:	Aaron Higgs	YMIP no:	10-142
Address:	Suite 200, 44-12th Ave S.	Project name:	Pelly-REE
	Cranbrook, BC V1C 2R7	Project type:	Hard Rock
email	aah@terralogicexploration.com	Project module:	Target Evaluation
Phone:	778-520-2000		

Is the final report enclosed? ○ yes ○ no

☑ hard copy
☑ pdf copy
☑ digital spreadsheet of station location data

Comment: hard copy and digital spreadsheets on the way

PROJECT SUMMARY

Total project expenditures: $34,581.89

Number of new claims since March 31st: $0

Has an option resulted since March 31? ○ yes ◉ no ○ in negotiation

Number of calendar field days: 7

Number of person-days of employment: 35 paid _____ days of unpaid work

Total no. of samples: 43 rocks 3 silts _____ soils _____ other

Total length/volume of trenching: _____

Total number of line-km of geophysics _____

Total meters drilled _____ diamond drill _____ RC drill _____ auger/percussion drill

Other products (provide details):

This is not an expense claim form. To request reimbursement of expenses, please submit a separate detailed expense claim form.

FINANCIAL SUMMARY

Total daily field allowance	$3,500.00	Total contractor costs	
Total field air transportation costs (helicopter/plane)	$7,107.14	Total excavating/ heavy equipment costs	
Total truck/ mileage costs	$358.79	Total assay/analyses costs	$1,824.27
Total wages paid	$15,250.00	Total reclamation costs	
Total light equipment rental costs	$2162	Total report writing cost	$3,000.00
Other (please specify)	Aerial Photos and base Maps ($59.98)	Total staking costs	
Other (please specify)	Admin+Handling Charges ($1519.71)		

(see reverse)

Your feedback on any aspect of the program:

The Department of Energy, Mines and Resources may verify all statements related to and made on this form, in any previously submitted reports, interim claims and in the Summary or Technical Report which accompanies it.

I certify that;

1. I am the person, or the representative of the company or partnership, named in the Application for Funding and in the Contribution Agreement under the Yukon Mining Incentives Program.

2. I am a person who is nineteen years of age or older, and I have complied with all the requirements of the said program.

3. I hereby apply for the final payment of a contribution under the Yukon Mining Incentives Program (YMIP) and declare the information contained within the Summary or Technical Report and this form to be true and accurate.

Date January 20, 2011

Signature of Applicant Aaron Higgs

Digitally signed by Aaron Higgs
DN: cn=Aaron Higgs, o=TerraLogic Exploration Services, ou=Senior Geologist, email=aah@terralogicexploration.com, c=CA
Date: 2011.02.10 14:15:49 -07'00'

Name (print) Aaron Higgs

(see reverse)

TECHNICAL REPORT

ON THE

Pelly-REE Project
Watson Lake Mining District
Mapsheets 105F09 and 105F10
Center of Work
Latitude 61° 35’ N, Longitude 132°29' W

Prepared for:

Eagle Plains Resources Ltd.
Suite 200, 44-12th Ave S.
Cranbrook, BC, V1C 2R7

By

Aaron Higgs, B.Sc. (Geol)
TerraLogic Exploration Inc.
Suite 200, 44-12th Ave S.
Cranbrook, BC, V1C 2R7

Date
January 20, 2011

SUMMARY

The Fire-Ice (FIM) and MM properties, collectively known as the Pelly Property, are situated in south-central Yukon roughly 44 kilometres south of Ross River, centered at approximately Latitude 61° 35' N, Longitude 132°29'W; NTS 6832001 N / 633500 E (Figure 1). Tenure holdings of the property area have been held continuously by Eagle Plain Resources Ltd. since the late 1990's, and has been the subject of several VMS – hosted base metal exploration programs (Figure 2). Access to the property is by helicopter, with the nearest base in Ross River approximately 35 km north of the property boundary. Gear and personnel mobilization can be carried out from the Ketza River Mine road located approximately 15 km east of the property boundary.

An analysis of the regional distribution of many of the most notable REE showings in BC (eg. Aley Carbonatite, Rar/Kechika, BC Kechika, Ice River) reveals a strong association to Mississippian-Devonian alkaline intrusions, which intrude platformal and pericratonic assemblages of the Cariboo/Cassiar Terrane. The most common host assemblage includes Ordovician to Silurian rocks of the Kechika Group which comprises limestone, slate and argillite lithologies.

A northwestwards projection of this REE trend into the Yukon follows assemblages of the Cassiar Platform west of the Tintina Trench. It just so happens that Eagle Plains' Pelly Property is underlain by assemblages of the Pelly-Cassiar Platform (PCP) and includes significant Kechika Group sediments, which have been intruded by Mississippian-Devonian alkaline volcanics (Earn Group – unit DMEC) and related plutonic rocks (Pelly Mountain - Seagull Creek syenite complex: unit DMyP).

The 2010 exploration program consisted of two exploration camps, one group of two geologists focused on the MM claim group and another group of a geologist and two field technicians focused on the Fire-Ice claim group for a total of 5 days in the field. Scintillometers were used in the field to identify elevated Th values in rocks that were then sampled for REE mineralization. A total of 46 rocks were taken during the program. Three silt samples were taken on the MM property to test the overall REE potential in the drainage basin.

By virtue of the numerous intrusive stocks of alkaline affinity in close proximity to other known REE mineralization showings to the south (e.g. Guano), the Pelly Project was deemed prospective for REE + Nb mineralization. The specific REE 2010 field investigation in the vicinity of several syenite stocks and feeder systems at the VMS Fire and Ice showings did not return overly encouraging analytical results for REE and Nb. The scintillometer and some of the analytical results are anomalous, but not economically significant for the specific areas studied.

Results from the MM property were more encouraging. Although the rock results to date are all considered subeconomic, the areal extent of the anomalies is significant, especially when including the very high silt stream result (LJMMS003). A careful assessment (petrographic and structural) of the rock types near the 1500m contour should be made to determine what specific rock units are carrying the high-tech mineralization. The extent of deformation and alteration of rocks at the MM is legend – it would be easy to overlook a significant REE carrying dyke system in this area.

General recommendation to assess the regional potential for REE and Nb mineralization should include additional attempts to reanalyze any and all historical silt-stream and/or soil pulps with a robust analytical method such as INAA or fusion. YK geological survey pulps are currently held by the GSC, but attempts to get access to the pulps this year were unsuccessful. In the current rock dataset there is a clear correlation between the REEs, Nb and Th ($r^2>0.78$). An airborne radiometric survey is strongly recommended to develop additional regional scale targets.

Table of Contents

List of Figures

List of Tables

List Of Appendices

INTRODUCTION

The Fire-Ice (FIM) and MM properties, collectively known as the Pelly Property, are situated in south-central Yukon (Figure 1) roughly 44 kilometres south of Ross River. Tenure holdings of the property area have been held continuously by Eagle Plain Resources Ltd. since the late 1990's, and has been the subject of several VMS – hosted base metal exploration programs (Figure 2).

In the last several years, Eagle Plains Resources has been actively pursuing a number of rare earth element (REE) projects in BC and Saskatchewan. Recent market forces have heightened the interest in REE projects, especially along a well defined REE corridor coincident with the western limit of the North American Craton (Figure 3). Pell (1987) notes that the REE mineralization is part of an alkaline igneous province proximal to the Rocky Mountain trench, comprising carbonatites and various syenite subclasses and ijolite series rocks.

An analysis of the regional distribution of many of the most notable REE showings in BC (eg. Aley Carbonatite, Rar/Kechika, BC Kechika, Ice River) reveals a strong association to Mississippian-Devonian alkaline intrusions, which intrude platformal and pericratonic assemblages of the Cariboo/Cassiar Terrane. The most common host assemblage includes Ordovician to Silurian rocks of the Kechika Group which comprises limestone, slate and argillite lithologies.

A northwestwards projection of this REE trend into the Yukon follows assemblages of the Cassiar Platform west of the Tintina Trench. It just so happens that Eagle Plains' Pelly Property is underlain by assemblages of the Pelly-Cassiar Platform (PCP) and includes significant Kechika Group sediments, which have been intruded by Mississippian-Devonian alkaline volcanics (Earn Group – unit DMEC) and related plutonic rocks (Pelly Mountain - Seagull Creek syenite complex: unit DMyP).

Location and Access

The FIRE (Chzerpnough), ICE (BNOB), MELT and MM properties are located in the south-central Yukon Territory between the Ketza River and McConnell River drainages, centered at approximately Latitude 61° 35’ N, Longitude 132°29’W; NTS 6832001 N / 633500 E (Figure 1). Access to the property is by helicopter, with the nearest base in Ross River approximately 35 km north of the property boundary. Gear and personnel mobilization can be carried out from the Ketza River Mine road located approximately 15 km east of the property boundary. There is also an established exploration trail located west of the ICE / BNOB showing area which could provide access from the Seagull Lake – Ground Hog Creek area. The claims cover alpine to subalpine terrain within the St. Cyr Range of the Pelly Mountains. Elevations on the claims range from 1150 to 2001 meters, with topography ranging from moderate to very steep. Outcrop exposure is 10 – 20 % with a thin veneer of colluvium or talus typically developed.

Tenure

The claims of the MM and Fire-Ice properties are owned 100% by Eagle Plains Resources Ltd., with an underlying 1% NSR carried by Bernie Kreft of Whitehorse, Yukon. The status of the claims in question are described in the tables below.

Table 1 – MM Tenure Summary

Claim Number	Claim Name	Ownership (100%)	Recorded Date	Expiry Date
YB93603	MM	EPL	11/02/2002	29/07/2019
YB93604	MM	EPL	11/02/2002	29/07/2019
YB93605	MM	EPL	11/02/2002	29/07/2019
YB93606	MM	EPL	11/02/2002	29/07/2019
YB93607	MM	EPL	11/02/2002	29/07/2019
YB93608	MM	EPL	11/02/2002	29/07/2019
YB93609	MM	EPL	11/02/2002	29/07/2019
YB93610	MM	EPL	11/02/2002	29/07/2019
YB93611	MM	EPL	11/02/2002	29/07/2019
YB93612	MM	EPL	11/02/2002	29/07/2019
YB93613	MM	EPL	11/02/2002	29/07/2019
YB93614	MM	EPL	11/02/2002	29/07/2019
YB94149	MM	EPL	29/07/2002	29/07/2022
YB94150	MM	EPL	29/07/2002	29/07/2022
YB94151	MM	EPL	29/07/2002	29/07/2022
YB94152	MM	EPL	29/07/2002	29/07/2022
YB94153	MM	EPL	29/07/2002	29/07/2022
YB94154	MM	EPL	29/07/2002	29/07/2022
YB94155	MM	EPL	29/07/2002	29/07/2022
YB94156	MM	EPL	29/07/2002	29/07/2022
YB94157	MM	EPL	29/07/2002	29/07/2022
YB94158	MM	EPL	29/07/2002	29/07/2022

Table 2 – Fire – Ice – Melt Tenure Summary

Claim Number	Claim Name	Ownership (100%)	Recorded Date	Expiry Date
YB84517	CHAR	EPL	20/06/1996	06/11/2012
YB84518	CHAR	EPL	20/06/1996	06/11/2012
YB84519	CHAR	EPL	20/06/1996	06/11/2012
YB84520	CHAR	EPL	20/06/1996	06/11/2012
YB84521	CHAR	EPL	20/06/1996	06/11/2012
YB84522	CHAR	EPL	20/06/1996	06/11/2012
YB84523	CHAR	EPL	20/06/1996	06/11/2012
YB84524	CHAR	EPL	20/06/1996	06/11/2012
YB84525	CHAR	EPL	20/06/1996	06/11/2012
YB84526	CHAR	EPL	20/06/1996	06/11/2012
YB84527	CHAR	EPL	20/06/1996	06/11/2012
YB84528	CHAR	EPL	20/06/1996	06/11/2012
YB84529	CHAR	EPL	20/06/1996	06/11/2012
YB84530	CHAR	EPL	20/06/1996	06/11/2012

Claim Number	Claim Name	Ownership (100%)	Recorded Date	Expiry Date
YB84531	CHAR	EPL	20/06/1996	06/11/2012
YB84532	CHAR	EPL	20/06/1996	06/11/2012
YB84533	CHAR	EPL	20/06/1996	06/11/2012
YB84534	CHAR	EPL	20/06/1996	06/11/2012
YB84535	CHAR	EPL	20/06/1996	06/11/2012
YB84536	CHAR	EPL	20/06/1996	06/11/2012
YB84537	CHAR	EPL	20/06/1996	06/11/2012
YB84538	CHAR	EPL	20/06/1996	06/11/2012
YB84539	CHAR	EPL	20/06/1996	06/11/2012
YB84540	CHAR	EPL	20/06/1996	06/11/2012
YB84541	CHAR	EPL	20/06/1996	06/11/2012
YB84542	CHAR	EPL	20/06/1996	06/11/2012
YB84543	CHAR	EPL	20/06/1996	06/11/2012
YB84544	CHAR	EPL	20/06/1996	06/11/2012
YB84545	CHAR	EPL	20/06/1996	06/11/2012
YB84546	CHAR	EPL	20/06/1996	06/11/2012
YB92936	CHAR	EPL	14/09/2000	06/11/2012
YB92937	CHAR	EPL	14/09/2000	06/11/2012
YB92938	CHAR	EPL	14/09/2000	06/11/2012
YB92939	CHAR	EPL	14/09/2000	06/11/2012
YB93144	CHAR	EPL	10/10/2000	06/11/2012
YB93145	CHAR	EPL	10/10/2000	06/11/2012
YB93146	CHAR	EPL	10/10/2000	06/11/2012
YB93147	CHAR	EPL	10/10/2000	06/11/2012
YB93030	COLE	EPL	14/09/2000	06/11/2012
YB93031	COLE	EPL	14/09/2000	06/11/2012
YB93032	COLE	EPL	14/09/2000	06/11/2012
YB93033	COLE	EPL	14/09/2000	06/11/2012
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YB93035	COLE	EPL	14/09/2000	06/11/2012
YB93036	COLE	EPL	14/09/2000	06/11/2012
YB93037	COLE	EPL	14/09/2000	06/11/2012
YB93038	COLE	EPL	14/09/2000	06/11/2012
YB93039	COLE	EPL	14/09/2000	06/11/2012
YB93040	COLE	EPL	14/09/2000	06/11/2012
YB93041	COLE	EPL	14/09/2000	06/11/2012
YB93042	COLE	EPL	14/09/2000	06/11/2012
YB93043	COLE	EPL	14/09/2000	06/11/2012
YB93044	COLE	EPL	14/09/2000	06/11/2012
YB93045	COLE	EPL	14/09/2000	06/11/2012
YB93046	COLE	EPL	14/09/2000	06/11/2012

Claim Number	Claim Name	Ownership (100%)	Recorded Date	Expiry Date
YB93047	COLE	EPL	14/09/2000	06/11/2012
YB93048	COLE	EPL	14/09/2000	06/11/2012
YB93049	COLE	EPL	14/09/2000	06/11/2012
YB93050	COLE	EPL	14/09/2000	06/11/2012
YB93051	COLE	EPL	14/09/2000	06/11/2012
YB93052	COLE	EPL	14/09/2000	06/11/2012
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YB93056	COLE	EPL	14/09/2000	06/11/2012
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YB93058	COLE	EPL	14/09/2000	06/11/2012
YB93059	COLE	EPL	14/09/2000	06/11/2012
YB93599	EROS	EPL	11/02/2002	06/11/2012
YB93600	EROS	EPL	11/02/2002	06/11/2012
YB93601	EROS	EPL	11/02/2002	06/11/2012
YB93602	EROS	EPL	11/02/2002	06/11/2012
YB93802	EROS	EPL	22/07/2002	06/11/2012
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YB93807	EROS	EPL	22/07/2002	06/11/2012
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YB93809	EROS	EPL	22/07/2002	06/11/2012
YB93810	EROS	EPL	22/07/2002	06/11/2012
YB93811	EROS	EPL	22/07/2002	06/11/2012
YB92856	ICE	EPL	14/09/2000	06/11/2012
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YB92910	ICE	EPL	14/09/2000	06/11/2012
YB92911	ICE	EPL	14/09/2000	06/11/2012

Claim Number	Claim Name	Ownership (100%)	Recorded Date	Expiry Date
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YB93538	ROCKY	EPL	06/11/2001	06/11/2012
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YB93565	ROCKY	EPL	06/11/2001	06/11/2012
YB93566	ROCKY	EPL	06/11/2001	06/11/2012

Claim Number	Claim Name	Ownership (100%)	Recorded Date	Expiry Date
YB93014	SALT	EPL	14/09/2000	06/11/2012
YB93015	SALT	EPL	14/09/2000	06/11/2012
YB93016	SALT	EPL	14/09/2000	06/11/2012
YB93017	SALT	EPL	14/09/2000	06/11/2012
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YB93019	SALT	EPL	14/09/2000	06/11/2012
YB93020	SALT	EPL	14/09/2000	06/11/2012
YB93021	SALT	EPL	14/09/2000	06/11/2012
YB93055	COLE	EPL	14/09/2000	16/11/2012
YB92830	ASH	EPL	14/09/2000	06/11/2013
YB92831	ASH	EPL	14/09/2000	06/11/2013
YB92832	ASH	EPL	14/09/2000	06/11/2013
YB92833	ASH	EPL	14/09/2000	06/11/2013
YB92834	ASH	EPL	14/09/2000	06/11/2013
YB92835	ASH	EPL	14/09/2000	06/11/2013
YB92836	ASH	EPL	14/09/2000	06/11/2013
YB92837	ASH	EPL	14/09/2000	06/11/2013
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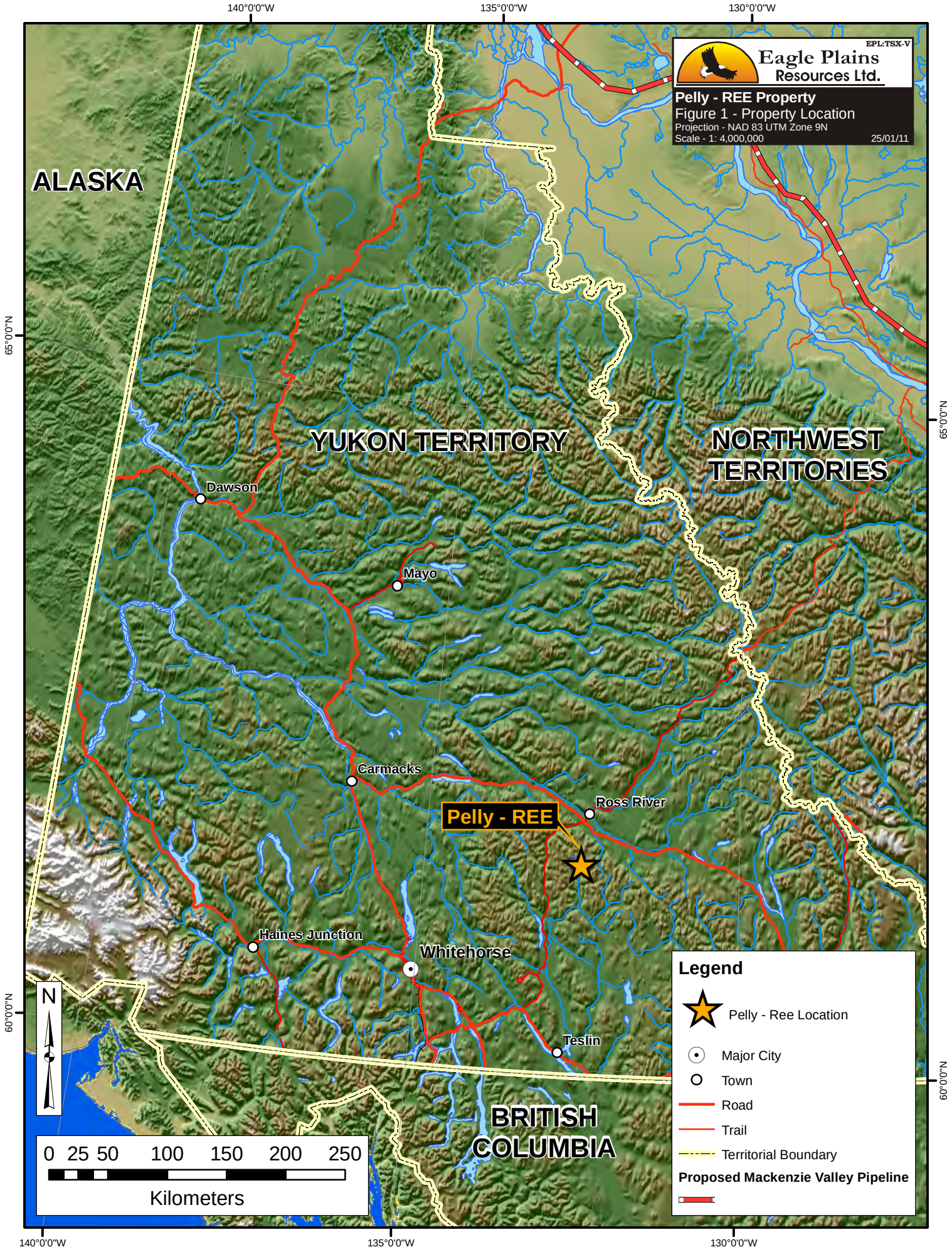
140°0'0"W
135°0'0"W
130°0'0"W
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60°0'0"N
EPL:TSX-V
Eagle Plains Resources Ltd.
Pelly - REE Property
Figure 1 - Property Location
Projection - NAD 83 UTM Zone 9N
Scale - 1: 4,000,000
25/01/11
ALASKA
YUKON TERRITORY
NORTHWEST TERRITORIES
BRITISH COLUMBIA
Dawson
Mayo
Carmacks
Ross River
Pelly - REE
Haines Junction
Whitehorse
Teslin
N
0 25 50 100 150 200 250
Kilometers
Legend
Pelly - Ree Location
Major City
Town
Road
Trail
Territorial Boundary
Proposed Mackenzie Valley Pipeline

EPL:TSX-V

Eagle Plains Resources Ltd.

Pelly - REE Property

Figure 2a - Tenure Map - Fire-Ice

Projection - NAD 83 UTM Zone 08N

Scale - 1: 50 000 24/01/2011

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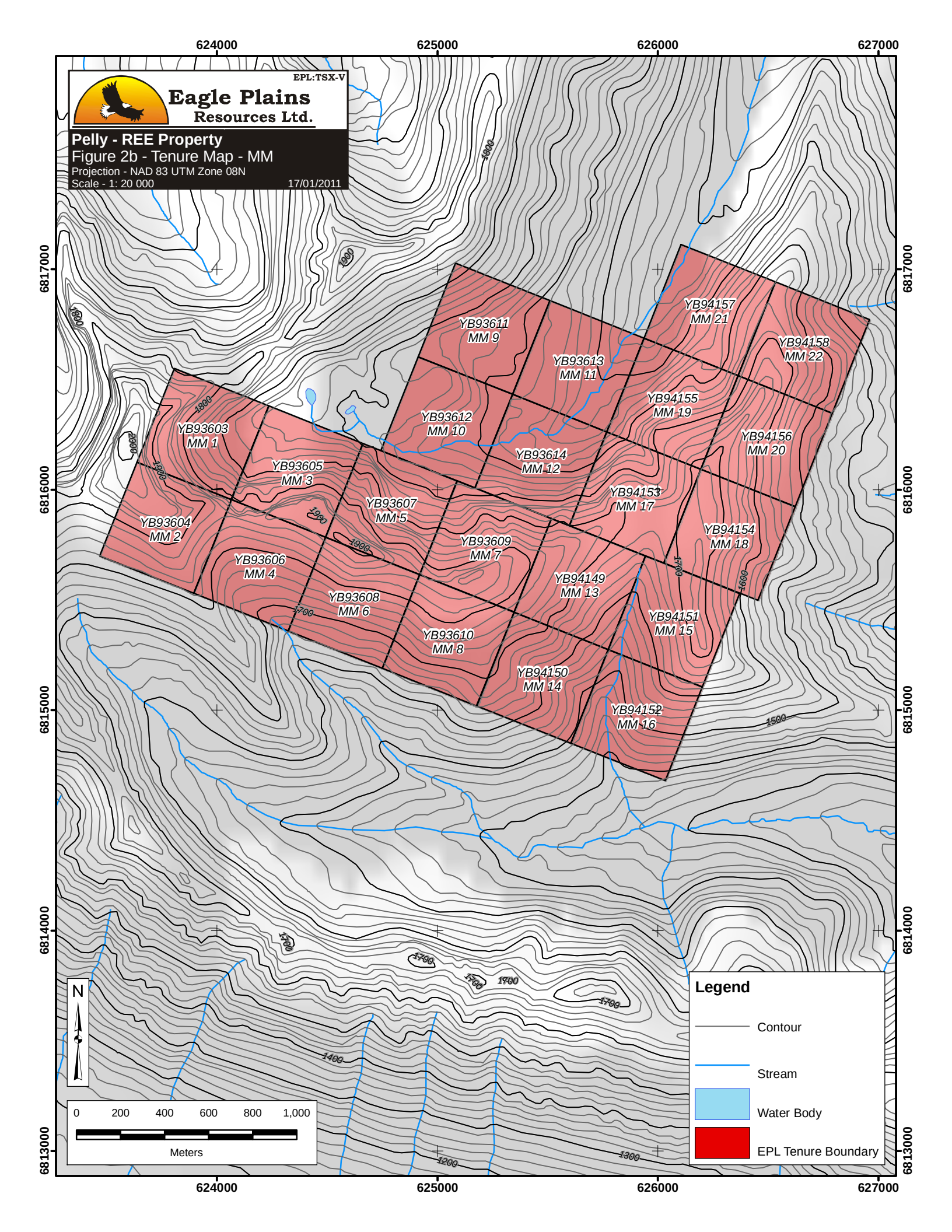
Kilometers

Legend

- Contour
- Stream
- EPL Tenure Boundary


EPL:TSX-V
Eagle Plains
Resources Ltd.
Pelly - REE Property
Figure 2b - Tenure Map - MM
Projection - NAD 83 UTM Zone 08N
Scale - 1: 20 000
17/01/2011
624000
625000
626000
627000
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6815000
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MM 14
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200
400
600
800
1,000
Meters
Legend
Contour
Stream
Water Body
EPL Tenure Boundary

GEOLOGY

Regional Geology Description

The volcano-sedimentary rocks which host the Wolf and MM deposits as well as the FIRE/ICE/MELT claims form a narrow arcuate belt that extends 80 kilometres along a northwesterly trend within the Pelly Mountains of the southwestern Yukon. These rocks have been termed the Pelly Mountains Volcanic Belt (PMVB) by Hunt (1999) and are characterized by high potassium content and, locally, bedded barite and volcanogenic massive sulphide deposits and showings. The PMVB is early to middle Paleozoic in age and occurs within the Pelly-Cassiar Platform, considered to be part of ancestral North America (Templeman-Kluit, 1977). The tectonic framework for the Pelly Mountains area is described by Gabrielse and Yorath (1991), Templemen-Kluit and Blusson, (1977) and Gordey (1977) and is summarized below.

The miogeoclinal sequence and related rocks which underlie much of the Pelly Mountains are part of a large area about 70km wide and 600km long that is referred to as the Pelly-Cassiar Platform (PCP). The PCP formed slightly outboard of, but parallel to the craton edge and consisted of a thick accumulation of volcanic rocks and related sediments upon which shallow water sedimentation, predominantly carbonate, took place until late Devonian time. To the northeast of the PCP during late Proterozoic through to Silurian time, a sequence of shallow water carbonates, tuffaceous shale and andesitic rocks were deposited on the western edge of ancestral North America in the Selwyn Basin and, to the south, in the Kechika Trough.

During late Devonian to Mississippian time, shale, greywacke, and chert pebble conglomerate was deposited over much of the PCP and Selwyn Basin. These rocks were derived from a westerly source, or from locally uplifted parts of the PCP. Felsic igneous activity, including intrusion and volcanism, occurred locally within the PCP, possibly within rifts or graben-like structures created by variable uplift and block faulting within the platformal rocks. Sedimentation resumed within PCP sub-basins during the Upper Triassic.

Deformation of the Paleozoic rocks took place post-Late Triassic and consisted of compression and/or transpression along a northeasterly axis which resulted in northwesterly trending and northeasterly verging folds and southwesterly dipping thrust faults. The Anvil-Campbell allochthon, part of the Omineca Crystalline belt, was emplaced during this event as a large thrust-sheet and is now preserved as local klippen on mountain ridges. An anastomosing system of steeply dipping, strike-slip faults related to movement along the northwesterly trending Tintina Fault cuts the folds and thrust faults and extends for up to 20 kilometres southwest of the Tintina Trench. Late normal faults cross-cut earlier structures and divide the region into a number of panels which commonly represent different structural levels. Cretaceous intrusions develop thermal and structural aureoles in the western part of the Pelly Mountains. Metamorphism and degree of deformation varies from block to block but generally increases in a westerly direction and varies from lower to upper greenschist facies.

The Pelly Mountains Volcanic Belt is composed of localized volcanic centres separated by basins in-filled with sediments and volcaniclastic rocks. Associated with these volcanic rocks are at least two VMS deposits (the Wolf and the MM) and a number of historical showings, including the Chzerpnough (FIRE claims), and the BNOB (ICE claims).

The volcanic rocks are predominantly felsic, but in some areas significant accumulations of andesite to basalt occur. The most common feature of the belt are flows, epi-zonal sills, and small plugs of trachyte. The trachyte flows and/or sills are laterally very extensive, probably due to low magmatic viscosity caused in part by high alkali element content. Typically the trachyte contains significant amounts of pyrite which gives rise to extensive gossans. The trachytes are commonly cream coloured, with very fine to medium grained phenocrysts of feldspar and rare quartz and are locally massive, amygdaloidal or brecciated. Syenite intrusions have been noted at a number of locations within the PMVB (Mortensen, 1981; Morin, 1977) and are thought to be rounded plugs which represent volcanic feeders. Although they may still represent volcanic feeders, drill data from the Wolf and ICE properties indicates that the syenite intrusions are sills.

The platformal setting on the continental margin, the high potassium geochemistry of the volcanic rocks, and the presence of bedded barite and volcanogenic massive sulphide deposits indicate that the Pelly Mountain Volcanic Belt was likely deposited in a continental rift-type environment (Mortensen and Godwin, 1982). The coarse volcanic debris flows that overlie the Wolf deposit indicate a high energy environment consistent with a graben type structure.

Work on the White Claims by Verley (1988), located 5-10 kilometers south of the Ice tenure and 12-15 kilometers east of the MM tenure, led to the mapping of extensions of the Seagull Creek Batholith syenite and associated carbonatite and are described as follows:

Mississippian: Syenite

> The southeastern portion of an elongate, northwesterly trending syenite batholith underlies the southwest part of the White claims. The syenite is a medium to coarse-grained, pale grey weathering, creamy coloured, feldspar-rich rock. Near the contacts with volcanics and sediments the syenite becomes increasingly mafic with the introduction of amphibole minerals. This mafic contact zone may be more properly described as a fenitized zone.

Carbonatite

> Two small bodies of rock that are interpreted to be carbonatite occur on the southwest White claims in sediments immediately adjacent to the contact of the syenite. The northern-most body is exposed as a tear-shaped mass approximately 25 metres wide and 150 metres long. It consists of orange weathering, medium to coarse crystalline, pale grey coloured dolostone. The dolostone has a shattered appearance, with fractures commonly containing rusty secondary carbonates. Irregular veins of coarse calcite are rare. The contact zone of the carbonatite with the well bedded, host Silurian carbonates is not exposed, but occurs in a recessive talus covered area. Cobbles containing a garnet-epidote-actinolite-wollastonite mineral assemblage suggest that skarn is erratically developed in the rocks enclosing the carbonatite. South of the dolomite carbonatite an ovoid calcite-matrix breccia approximately 130 by 80 metres occurs. This body is interpreted as also having a carbonatitc origin. Coarse white calcite occurs as a matrix supporting angular, pebble to cobble-sized clasts of Silurian carbonate. The calcite is fractured. Fractures are filled with secondary, brownish-coloured carbonates and rare pyrite.

REE mineralization

There is one REE, Th, Nb bearing showing known in the region. The Guano (MF 105F 081), is located 10 kilometers south of the Ice tenure and 12 kilometers east of the MM tenure, near the southern limit of the Seagull Creek syenite (Figure 2). Tenure over the showing is currently held by True North Gems. The minfile description is as follows:

> A skarn containing serpentine, actinolite, tremolite, idocrase, magnetite and radioactive and rare earth minerals occurs at the contact of a Mississippian syenite stock which intrudes Lower Paleozoic carbonate rocks. Widely scattered, 5 to 30 cm wide quartz veins are found within all units. Disseminated purple fluorite is abundant in the syenite.
>
> The best chip sample collected in 1979 contained 0.13% rare earth elements and 0.09% niobium across 50 m. Grab samples from the skarn and veins assayed up to 0.675% U3O8, 1.30% ThO2, 5.5% rare earth elements and 2.15% Nb2O5. The samples were also analyzed for W, Sn, Ta and Au but returned only background values.

Property Geology Descriptions

MM

For the purposes of geological mapping exposure within this relatively small property area is exceptional. A well exposed cirque with significant vertical relief provides an excellent opportunity to establish relationships between three distinctive lithotectonic elements (Figures 4a and 4b). Three distinctive lithotectonic elements or "terranes" underlie the immediate property area and these are structurally stacked along low-angle thrust faults. Pelly Mountain Volcanic Belt rocks of interest in this area sit in part, tectonically below a packages of Silurian to Devonian and Early Cambrian, phyllitic and carbonaceous sedimentary rocks along flat-lying thrust faults. The faulted contact above Pelly Mountain volcanic belt rocks contain discontinuous, attenuated lenses of serpentinite.

These three assemblages show a characteristic piggy-back style of thrusting in which stacking shows older over younger rock packages. As a result of the structural position of the youngest, Mississippian volcano-sedimentary succession, currently at the base of this structural stack the rocks have largely been recrystallized and deformed.

Late Cambrian Rosella Formation

This is the structurally highest tectono-stratigraphic unit and underlies the extreme western limits of the MM property. It consists of dark grey to black phyllites and subordinate calc-silicate schists.

Silurian to Devonian Askin Group

A succession of varied sedimentary lithologies including (1) massive dolostone, (2) well-bedded dolomitic sandstone and (3) fine- to medium-grained mature orthoquartzite, form the immediate hanging wall rocks to Mississippian volcanic stratigraphy of interest.

These rocks dominate at the head of the cirque valley and also form several isolated klippa overlying the volcanic stratigraphy along the east to northeast trending ridge forming the spine of the property area. The smaller, isolated klippa in the central portion of the property consists of buff to light-grey massive dolostone. Further to the northeast the larger klippa consists of thickly bedded, buff to light-

grey to orange-brown weathering dolostone interbedded with darker-grey, well-bedded (1-3 cm scale) dolomitic sandstone. At the head of the cirque valley well-bedded buff-white to light-grey orthoquartzite are interbedded with on the 1 to 3 centimeter scale with darker grey dolomite and\or dolomitic sandstone beds.

Upper Devonian to Lower Mississippian PMVB Rocks

PMVB rocks in the property consist of intermediate and subordinate felsic volcanic rocks and overlying black shales\phyllites with lesser fine- to medium-grained volcanic wackie and black chert. The intermediate to felsic volcanic rocks immediately overlie and also intrude underlying mafic volcanic rocks that are tentatively assigned to the Late Paleozoic Anvil Assemblage.

Within the MM property area this package of rocks shows a transition from those that locally preserve remnant primary textures, upward into a package of footwall rocks immediately below the flat, terrane-bounding suture that are often complexly folded and converted to phyllosilicate rich metamorphic schists in which primary textures are often obliterated. Within the metamorphic folded schistose zone remnant textures are not well preserved and all rocks are tightly isoclinally folded.

Contacts between the individual units are best described as contact zones over distances of one to two hundred meters wide, perpendicular to the strike of the S_1 metamorphic fabric. Within such contact zones units on either side of the contact typically alternate over intervals of metres to tens of metres which are a result of the tight isoclinal folding are inter tongued with one another.

Black Phyllite

This unit is dominated by dark-grey to black patchy rusty weathering phyllite with local intervals of more massive medium-grained wacke and chert. The phyllitic unit often contains several percent secondary sericite which imparts a characteristic silver-grey sheen to the unit. Locally where not as highly deformed the unit is darker in colour, preserves bedding and displays a well developed cleavage. Most outcrops of the unit contain some component of felsic volcanic rocks usually several tens of centimetres with local intervals one too two metres in thickness. Felsic intervals are usually recrystallized and schistose and lack primary textures however, most are interpreted as tuffaceous intervals but may also locally represent flows or sills. Such relationships suggest that sedimentation is contemporaneous with felsic to intermediate volcanism.

Felsic to intermediate volcanoclastic and felsic flow/tuff unit

Felsic to intermediate volcanic rocks form visually distinctive units due to their lighter buff tan-yellow and often gossanous weathering appearance relative to the darker overlying black phyllites and underlying dark green to black mafic volcanic units. The intermediate volcanic unit is by far the more dominant of the two with the felsic volcanic rocks forming subordinate intervals and lenses within the volcanic pile. Both the intermediate and felsic volcanics are now largely converted to schistose rocks. The felsic volcanic rocks are best described as quartz-sericite±pyrite schists. In contrast, the intermediate volcanic rocks quartz-sericite-chlorite\biotite schist are typically darker in colour and display a characteristic mottled appearance due to the added presence of the mafic minerals which is generally in the range of 5 to 15%.

Late Paleozoic Anvil Assemblage

Anvil assemblage rocks in the MM property include both ultramafic rocks and mafic volcanic rocks.

Ultramafic Rocks (Serpentinite)

Ultramafic rocks on the property occur in the form of serpentinite and are restricted to the thrust faulted contact zone between footwall Pelly Mountain volcano-sedimentary rocks and hanging wall Silurian to Devonian Askin Group sediments. These have the characteristic serpentine light to dark grey-blue wispy appearance, are medium to fine-grained and massive and typically moderately to strongly magnetic. The individual serpentinite lenses reach a maximum thickness of several hundred metres but thin laterally to form discontinuous lenses along the faulted contact zone.

Mafic Metavolcanic Rocks

The unit is typically dark-green weathering and texturally highly varied. Relict primary textures are locally well preserved in the more massive mafic volcanic rocks. These are typically fine to medium-grained and aphanitic (Photo 1) but may locally display several percent phenocrysts of amphibole (after pyroxene?). Relict pillowed structures are not common, but may be preserved locally (Photo 2) near the upper contact of the unit with the overlying felsic volcanic rocks. Usually, however as is characteristic of all footwall lithologies the unit displays the effects of superimposed deformation and related recrystalization. This can range from the development of a spaced schistosity cleavage (Photo 3) to complete recrystallization where the rocks are converted to chlorite-sericite schists (Photo 4) in which there is a distinct change to a lighter grey-green weathering colour. Such rocks are more common proximal to the hanging wall thrust fault.

Intrusive Rocks

The only rocks identified on the property interpreted to be intrusive are represented by fine-grained felsic dikes and are interpreted to be the sub volcanic feeders to the mineralized felsic volcanic rocks which have been the focus of exploration activity. Small subvolcanic bodies of massive, medium- to fine-grained syenite intrude the intermediate to felsic volcanic rocks to the north east, however no such bodies have been identified on the property to date.

To the immediate southwest, the property is bordered by the vast northwest-trending, mid-Cretaceous Nisutlin Batholith (Tempelman-Kluit, 1977), which is correlative with the regionally extensive Cassiar Suite. This is a light-grey weathering, medium to coarse-grained biotite granodiorite and quartz monzonite which is in part porphyritic with pinkish K-feldspar phenocrysts. A small isolated body granodiorite intrudes Kachika Group sediments to the northwest of the property area (Figure 3), but none has been identified on the property to date. The mid-Cretacous intrusive event may relate to the hydrothermal activity responsible for metasomatic sulphide mineralization developed within the serpentinite unit.

Fire Ice

Stratigraphy

In general, the rocks exposed in the FIRE/ICE/MELT property area are similar to parts of the stratigraphy on Atna Resources' Wolf property (Wilson, Holbek 1999). The volcanic rocks of the Pelly

Mountains Volcanic Belt (PMVB) are bounded to the west by a fault, marked by the McConnell River. On the other three sides the volcanic rocks are bounded by underlying or overlying shale and argillite (+/- carbonate) that appear to be conformable and part of the PMVB, or the Devonian to Mississippian Black Clastic unit (Pigage, 1980), or the Upper Triassic assemblage of shale, siltstone and carbonate (Gordey, 1977).

The general stratigraphy of the FIRE/ICE/MELT claim area consists of (1) a basal carbonate unit of probable Silurian-Devonian age which crops out close to the McConnell River Valley and appears to be related to other base-metal and skarn-type mineral showings in the region, (2) siliceous, medium-to dark-grey, carbonaceous argillite (commonly phyllite to slate), believed to be Mississippian in age, and (3) rhyodacite to rhyolite tuffs and flows, ranging from unwelded ash to lapilli tuff and agglomerate, to aphyric, locally amygdaloidal flows. The felsic volcanic succession is dominated by fine to coarse lapilli tuffs and flows. Felsic (rhyodacite to dacite) dykes and sills intrude the felsic stratigraphy but are probably comagmatic with the surrounding rhyolitic-trachytic extrusive succession.

Felsic volcanic rocks weather pale green-grey to buff and are dark green-grey on fresh surfaces in non-mineralized zones. Where pervasive mineralization occurs, typically in the form of disseminated pyrite, reaching 10-12% locally, the rocks are heavily oxidized and stained bright red. Amygdules within flows contain either silica or a combination of silica and pyrite. The latter is a positive exploration indicator and, where base metal mineralization within amygdules can be identified, amygdules may serve as a vector for locating massive sulphide bodies, as has been demonstrated for the deposits in the Noranda region in the Canadian Shield. A number of chalcopyrite (rare galena) blebs within amygdaloidal rhyolites on the property indicate a proximity to a base metal source.

The stratigraphy of the property is relatively simple, although intercalations of various volcanic flows and fragmental facies have created a repetitious succession, a feature expected of near-vent (proximal) facies associations in a VMS setting. Following is a more detailed description of the McConnell River area stratigraphy based on Eagle Plains and Atna Resources observations and using Fig. 2 map unit contacts:

UNITS 1 & 2

Limestone and argillite units: Brown to buff weathering, fine-grained grey fresh surface, probably in most part tuffaceous limestone interbedded on a centimeter to decimeter scale with dark grey to black argillite. Locally, this unit maybe intercalated with lapilli lithic tuff. On the western portions of the FIRE claim block this unit is thin, less than 20 meters, and forms a readily recognizable marker unit that is stratigraphically positioned directly over the mineralized horizon. Where the stratigraphy is less well defined, on the eastern portions of the claim block, a limestone-argillite unit is positioned above one mineralized horizon, but is separated from the horizon by 75+ meters of lithic lapilli tuffs. These tuffs grade up into bedded tuffs and into a lime-stone-argillite unit. Close to this locality, a mineralized horizon occurs above the limestone –argillite unit. A limestone-argillite unit was not seen in much of the volcanic stratigraphy that underlies the claim block.

UNIT 3

Purple weathering volcanic or volcaniclastic lithic lapilli tuff: A distinctive purple, flaggy weathering, fine-grained, feldspathic, minor black argillite (?) lithic fragments volcanic or volcaniclastic unit that occurs locally at the northeast end of the property.

Argillite: Grey to black weathering and fresh surface, generally foliated, often well laminated or bedded, occasionally lineation or crenulated, occasionally carbonaceous, fine-grained argillite. This unit occurs in thick (10-75 meter) "sub basins" in the volcanic stratigraphy, as thin (less than 10 meter) inter-volcanic flow sedimentary packages throughout the volcanic stratigraphy. Argillite is frequently intercalated with thick to thin bedded tuffs, minor limestone, or more rarely, thick bedded volcanic flows(?).

UNIT 4

Volcaniclastic rocks: Intermediate to felsic volcaniclastic debris flows and deposits, crystal or ash tuffs with evidence of tuffaceous layering (reworking). This unit includes clast supported heterolithic lapilli tuffs, heterolithic lapilli tuffs with extreme clast variability, lapilli tuffs with a large percentage of sedimentary fragments. Clast size is usually less than 10cm. This unit also encompasses sections that include pyroclastic flows (not uncommon) or other volcanic flows or sills. However, this assemblage is dominantly composed of volcaniclastics +/- argillite. Also included in this unit is a rare occurrence of monolithic lapilli tuff with rounded siliceous clasts.

Mineralized horizon: Intermediate to felsic volcanic to volcaniclastic rocks that are altered (silica and/or sericite) or altered and mineralized with pyrite, barite or rarely galena. Although dominantly composed of ash and lapilli and lithic lapilli tuffs, this unit hosts a significant quantity of mineralized "yellow" trychyte. In hand sample, the trachyte typically displays ghosts of <2mm feldspar and/or monolithic or heterolithic fragments and /or a breccia texture defined by silica+/- sericite veinlets. Less commonly, a <2mm white feldspar porphyrtic trachyte occurs. The trachyte, and to a lessor degree, all the rocks comprising this unit can be extremely hard, grey, silica over sericite altered or softer yellowish green sericite over silica altered. Less intensely altered and mineralized trachytes that are interpreted to occur in the less intensely altered and mineralized "distal" portions of the mineralized horizon can appear to have a chalky, more brittle "porcelaineous" alteration. The mineralization that defines the mineralized horizon consists of fine-grained disseminated pyrite and approximately 1% green barium mica (?). Locally and usually internal to the horizon the pyrite mineralization intensifies to massive dissemination's and/or irregularly oriented ptigmatically folded veinlets.

Trachyte and mud chip conglomerate: A 1 to 5 meter thick, well sorted and graded trachyte and mud chip conglomerate, or bedded tuff grading to massive lithic lapilli tuff unit that directly overlies the mineralized horizon.

UNIT 5

Volcanic rocks: Augite bearing mafic through to felsic or unmineralized trachytic primary volcanic flows, crystal tuffs, and synvolcanic intrusions. Includes monolithic or near monolithic lapilli tuffs, crystal or ash matrix supported heterolithic lapilli tuffs, lapilli tuffs with large, generally angular, (10cm to greater than 40cm) blocks or bombs, lapilli tuffs bearing evidence for deposition in hot volcanic flows (alteration rims on clasts or fragments or partially reabsorbed clasts or fragments). Included within this unit are altered (silicified) rocks, often of uncertain protolith. Alteration of these rocks is assumed to be hydrothermal and syngenetic, suggesting a proximal position to a volcanic centre. The occurrence of occasional accidental sedimentary fragments was noted in all the above rock types. While this unit is primarily volcanic it also includes minor layered tuffs and argillites that are interpreted as interflow deposits.

UNIT 6

Trachydacite to trachybasalt sills or flows and syenite: This unit is most prominent in the area of the BNOB showing and was the collar lithology for the diamond drillhole I00-01. This unit consists of fine to medium grained, equigranular, pink to grey feldspar and hornblende. The rock is fresh in appearance, unfoliated and has blocky weathering in outcrop due to widely spaced, perpendicular joint sets. Initially this unit was thought to represent a small plug or pipe-like intrusion. Based on limited exposure, however, the lower contact appears to be somewhat strataform and this unit wasn't intersected in the Cyprus-Anvil drill hole, indicating that it may be sill like. This is consistent with 2001 field observations of the same unit near the northern part of the ICE claims.

UNIT 7

Undifferentiated Intermediate to mafic metavolcanic rocks

Structure

Most of the rocks on the property lie on the gently northerly-dipping limb of a large-scale antiform that is part of a train of west-northwesterly to northwesterly trending, gently dipping folds that appear, in general, to be tighter to the NW. Although the rocks have been deformed, the stratigraphy appears to be intact and many primary volcanic textures are preserved and readily recognizable; although the work is preliminary, the minor structures observed are not suggestive of severe structural disruption, overturning or other such complication.

The rocks have a ubiquitous S1 fabric, expressed in the less competent lithologies (fine grained clastic rocks; ash, and fine to medium grained tuffs) as a pervasive phyllitic foliation, and in the more competent lithologies as a less obvious though still pervasive spaced cleavage; a second phase crenulation cleavage is also common, and particularly notable in the well-foliated metasedimentary rocks and finer grained tuff. The stratified rocks on the property outline broad-wavelength, open folds which appear to post-date the foliation-forming event. A strong joint system measured on the property is best developed within either massive flows or indurated, coarse crystal, lithic tuff.

Alteration And Mineralization

Fire Property Area

Mineralization identified to date on the FIRE is of two types. The first is sucrosic sedimentary barite with bands of disseminated pyrite and galena. Barite mineralization in best developed as float boulders, but has been identified in-situ in some locations on the property and was intersected in 2000 diamond drilling in diamond drillholes F00-02,03,04,and 05. Where found in place, the barite is associated with yellow to orange gossan horizons developed within a trachyte unit. Geochemically the barite mineralization is highly anomalous in silver, lead, and cadmium, and weakly anomalous in zinc. The second type of mineralization is flow-banded rhyolite with syngenetic pyrite. In comparison to the barite mineralization, the rhyolite is more anomalous in zinc, copper and cadmium, and weakly anomalous in silver and lead.

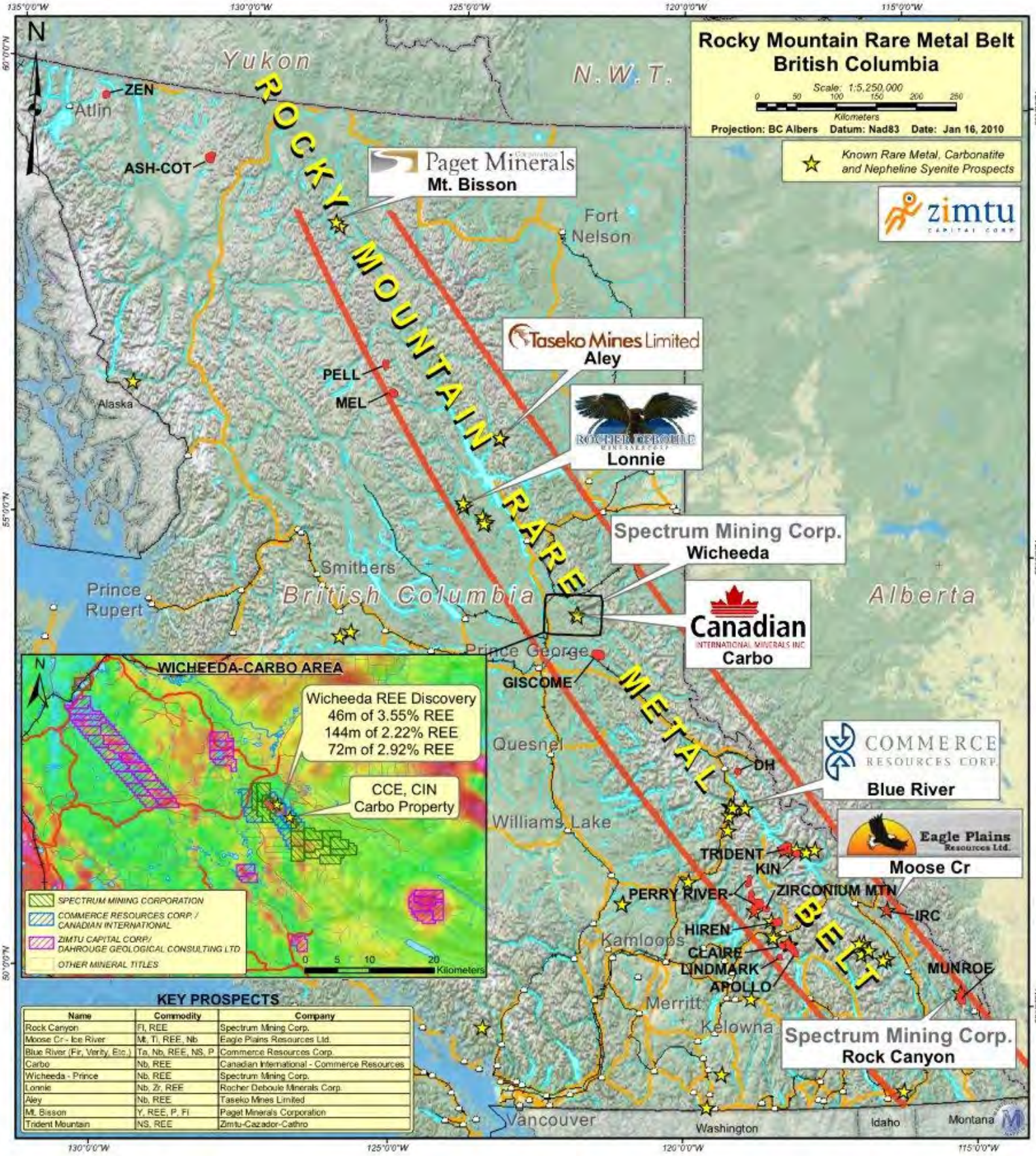
Alteration on the FIRE property is predominantly represented by a quartz - sericite – pyrite assemblage, with local chlorite and rare fluorite. Diamond drill hole F00-01 intersected a zone that possibly represents a skarn type of alteration with pervasive hematite - silica – epidote flood. The hole also cut a zone of pervasive to selective-pervasive potassium feldspar flood and veining.

Ice Property Area

Mineralization on the ICE property consists of bedded barite locally containing significant galena, sphalerite, and accessory pyrite. Mineralization is found in-situ at the BNOB and Greig showing areas, and also in extensive float boulder showings in a number of locations including the Gully Zone and the ICE1 Zone. At the BNOB showing the barite is strataform, up to 4m in width, and is exposed in trenches and outcrop over a strike length of 250m. The Greig showing area, identified by Eagle Plains Resources in 2000 and successfully tested by 2000 drilling, is only partially exposed at the toe of a syenite talus field. The strataform bedded barite here contains sphalerite, galena and pyrite.

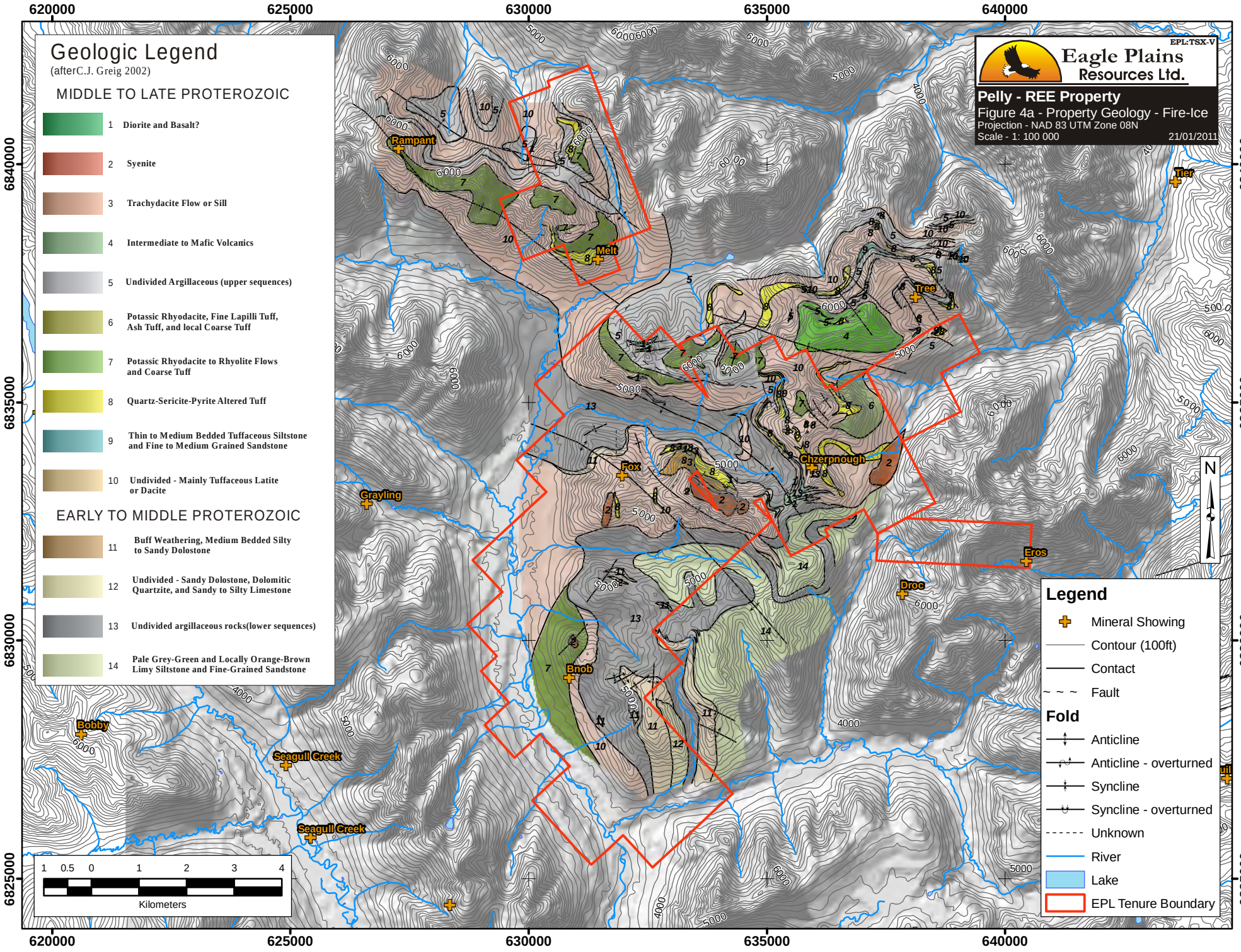
Alteration noted from drillhole I00-01 includes strong sericite and pyrite flood with local strong silicification.

As part of the 2001 exploration program about three days were spent in the Whitehorse Core Library examining drill core from previous programs (Eagle Plains in 2000, and Cyprus Anvil in 1980), and slabbing and staining representative samples collected from the core and from traverses undertaken in 2000 and 2001. Staining indicates that extremely potassium feldspar-rich rocks are common on the property, as they are elsewhere in the vicinity of VMS-style mineralization in the Pelly Mountains (e.g., the Wolf property) and in similar VMS-hosting volcanic environments in the Yukon (e.g., Wolverine) and beyond. Reexamination of the Cyprus Anvil drill core revealed that the exhalative barite horizon intersected in the 2000 drill program is underlain by a thick package of very poorly exposed, but heavily pyrite- and sericite-altered tuffaceous rocks which also contain local sphalerite, chalcopyrite, and galena–the core from this hole has never been analyzed.



KEY PROSPECTS

Name	Commodity	Company
Rock Canyon	Fl, REE	Spectrum Mining Corp.
Moose Cr - Ice River	Mt, Ti, REE, Nb	Eagle Plains Resources Ltd.
Blue River (Fir, Verity, Etc.)	Ta, Nb, REE, NS, P	Commerce Resources Corp.
Carbo	Nb, REE	Canadian International - Commerce Resources
Wicheeda - Prince	Nb, REE	Spectrum Mining Corp.
Lonnie	Nb, Zr, REE	Rocher Deboule Minerals Corp.
Aley	Nb, REE	Taseko Mines Limited
Mt. Bisson	Y, REE, P, Fl	Paget Mineral's Corporation
Trident Mountain	NS, REE	Zimtu-Cazador-Cathro


620000
625000
630000
635000
640000
6840000
6835000
6830000
6825000
Geologic Legend
(afterC.J. Greig 2002)
MIDDLE TO LATE PROTEROZOIC
1 Diorite and Basalt?
2 Syenite
3 Trachydacite Flow or Sill
4 Intermediate to Mafic Volcanics
5 Undivided Argillaceous (upper sequences)
6 Potassic Rhyodacite, Fine Lapilli Tuff, Ash Tuff, and local Coarse Tuff
7 Potassic Rhyodacite to Rhyolite Flows and Coarse Tuff
8 Quartz-Sericite-Pyrite Altered Tuff
9 Thin to Medium Bedded Tuffaceous Siltstone and Fine to Medium Grained Sandstone
10 Undivided - Mainly Tuffaceous Latite or Dacite
EARLY TO MIDDLE PROTEROZOIC
11 Buff Weathering, Medium Bedded Silty to Sandy Dolostone
12 Undivided - Sandy Dolostone, Dolomitic Quartzite, and Sandy to Silty Limestone
13 Undivided argillaceous rocks(lower sequences)
14 Pale Grey-Green and Locally Orange-Brown Limy Siltstone and Fine-Grained Sandstone
1 0.5 0 1 2 3 4
Kilometers
EPL:TSX-V
Eagle Plains Resources Ltd.
Pelly - REE Property
Figure 4a - Property Geology - Fire-Ice
Projection - NAD 83 UTM Zone 08N
Scale - 1: 100 000
21/01/2011
Rampant
Melt
Tree
Tier
Fox
Chzerpnough
Grayling
Eros
Droc
Bnob
Bobby
Seagull Creek
Seagull Creek
N
Legend
Mineral Showing
Contour (100ft)
Contact
Fault
Fold
Anticline
Anticline - overturned
Syncline
Syncline - overturned
Unknown
River
Lake
EPL Tenure Boundary

EPL:TSX-V

Eagle Plains Resources Ltd.

Pelly - REE Property

Figure 4b - Property Geology - MM
Projection - NAD 83 UTM Zone 08N
Scale - 1: 15 000 25/01/2011

623000 624000 625000 626000 627000 628000

6817000 6816000 6815000

Legend

- Mineral Showing

Geologic Contacts
- Defined
- Assumed
- Infered
- Unknown
- Limit of Mapping

Major Fold Axes
- Anticline
- Recumbent
- Syncline

Major Faults
- Normal - Defined
- Normal - Assumed
- Thrust - Assumed
- Contour
- Stream
- Lake
- EPL Tenure Boundary

0 250 500 750 1,000
Meters

N

Geologic Legend
(after C.S. Gallagher 2002)

CPaub Highly sheared and brecciated serpentinite and serpentinized dunite

Carboniferous - Triassic

cTrs Carbonaceous phyllite and marble

Upper Devonian to Mississippian

UDM **Undivided** - dominantly black clastic / calcareous phyllites and shale interbedded with metatuff and lapilli tuff

uDMs Calcareous graphitic schists; graphitic phyllite and minor graphitic quartzite

Mississippian

Mps **Heterogeneous Volcanics** - Quartz muscovite schist intercalated (structurally) with graphitic phyllite and graphitic quartzite

Mfl **Massive mafic vesicular flows**

Mvs **Felsic to Intermediate Volcanics** - meta-andesite; quartz sericite pyrite schist; biotite-chlorite +/- garnet schist

Mbs Massive pyritic sulphides or sulphide banded phyllite and schist - locally baritic

Silurian - Devonian

SDA **Askin Group** - dolostone, quartzite and limestone

Cambrian - Ordovician

eOK **Kechika Group** - argillaceous nodular limestone and calc-silicate

SDA
Mps
Mfl
Mvs
UDM
Mm
CPaub
OSPS
uDMs
cTrs
eOK
1300 1400 1500 1600 1700 1800 1900 2000 1100 1200

2010 Exploration Program

FIM (FOX and FIRE)

A camp of three was set up close to these target areas and 5 days were spent prospecting and sampling in areas with syenite stocks or anomalous REE assay values. Scintillometers were used to find rocks with high Th values as Th is associated closely associated with REE mineralization, the mineral monazite in particular. Other minerals of interest include fluorite and xenotime. A total of 26 rock samples were taken in the vicinity of the Fire camp.

MM

A small camp of 2 people we set up on the MM property and 4 days were spent completing prospecting and scintillometer survey traverses over the target area. A scintillometer was used to identify zones with elevated Th counts, which could be an indicator of REE mineralization. A total of 3 silt samples and 17 rock samples were taken on the property

FIM (BNOB)
The MM camp moved over to the BNOB, where one day was spent using the scintillometer and prospecting to test the syenite and its surrounding areas for potential REE mineralization. A total of 3 rock samples were taken on the property.

2010 Exploration Results

Geological Mapping

FIM (FOX and FIRE)

An anomalous area, approximately 200 by 800 m, was outlined using the scintillometers at a cut off value of 500 counts per second (cps). This area encompasses felsic volcanic rocks and had previous anomalous REE values in grab samples. Several chip samples were taken within the area. Generally, the cps were uniformly elevated with few spot highs. This may indicate that REE values in chip samples apply to the entire area of equivalent cps.

3 syenite stocks were prospected during the work program. No high scintillometer readings were obtained within the stocks. Some 10-45cm layers of serpentinized volcanics on the margins of the stocks did have elevated scintillometer readings and were sampled. These layers commonly had azurite and malachite staining and disseminated pyrite. Prospecting of one stock was cut short by a bear encounter, however, no elevated scintillometer readings had been obtained in the area.

MM
The rock units on the MM property have undergone intense folding and fracturing on the property and thus can be difficult to distinguish, especially between some coarse grained volcanic units and what could be a potential fine grained syenite. The MM crew had an older scintillometer, which returned background values of ~500 c/m for the black phyllite. The felsic volcanic units have a background level between 800-1,000 c/m while the greenstone mafic volcanics can have a background level of 6000 c/m. This level can jump to 2,000 c/m near the contact areas with the felsic volcanics, also the

localities where most of the sulphide mineralization is known to be located. Samples were taken of any counts over 2,000 c/m, which were commonly found near the contact between the felsic volcanics and the greenstone units, as described above, as well as in a much more mafic, dark and coarse grained unit that was located in a few places on the property. No clear indication of a syenite or trachyte stock was found during the program.

FIM (BNOB)

There were very little anomalous scintillometer readings recorded over the BNOB syenite stock or its surrounding area. The background values for the volcanics in the area was 500-600 c/m while the stock had values of 800-1,000. A few samples were taken at localities of minor scint anomalies, where scintillometer readings returned 1,100-1,300 c/m.

Geochemistry

Basic statisitcal analysis of the total rock samples taken during the program along with elemental correlations are found in the tables below.

Table 3 – Rock Statistics for Elements of Interest

RSAMP Summary Stats	Nb_ppm	TREE	HREE	Y_ppm	Th_ppm	U_ppm	Ba_ppm	Cu_ppm	Zn_ppm
Count Numeric	46	46	46	46	46	46	46	46	46
Minimum	1.4	52.56	7.03	10.6	0.4	2	64	0.6	4
Maximum	873.4	2802.14	280.01	304.2	154.6	175.8	50000	8559.5	10000
Mean	318	861	87	104	61	19	5424	263	1044
Median	270	666	76	83	57	14	2324	9	129
Standard Deviation	206	592	61	71	39	26	10174	1263	2510
75 percentile	399	995.05	90.51	119.6	75.6	21.9	4336	38.6	446
90 percentile	591.7	1451.04	182.15	214	120	30.7	7228	245.9	2139
95 percentile	790.2	2090.03	224.48	269.9	131.5	37.9	17517	531.7	3637
99 percentile	873.4	2802.14	280.01	304.2	154.6	175.8	50000	8559.5	10000

Table 4 – Rock Elemental Correlations

Correlation	Nb_ppm	TREE	HREE	Y_ppm	Th_ppm	U_ppm	Ba_ppm	Cu_ppm	Zn_ppm
Nb_ppm	1	0.88	0.94	0.97	0.78	0.35	-0.2	-0.25	-0.32
TREE	0.88	1	0.97	0.94	0.78	0.36	-0.19	-0.17	-0.21
HREE	0.94	0.97	1	0.99	0.77	0.39	-0.2	-0.18	-0.24
Y_ppm	0.97	0.94	0.99	1	0.79	0.38	-0.2	-0.22	-0.27
Th_ppm	0.78	0.78	0.77	0.79	1	0.42	-0.25	-0.22	-0.35
U_ppm	0.35	0.36	0.39	0.38	0.42	1	-0.13	-0.09	-0.18
Ba_ppm	-0.2	-0.19	-0.2	-0.2	-0.25	-0.13	1	-0.041	0.72
Cu_ppm	-0.25	-0.17	-0.18	-0.22	-0.22	-0.09	-0.041	1	0.58
Zn_ppm	-0.32	-0.21	-0.24	-0.27	-0.35	-0.18	0.72	0.58	1

MM

A total of 16 rocks samples were collected over 1.7 km, along the hillside south of the main MM drainage. The full spectrum of felsic to mafic volcanic rocks was sampled, with at least two syenite rock samples. Average analytical results for TREE (1207 ppm) and Nb (424 ppm) are considerably higher than other parts of the Pelly Project examined so far. The best analytical results were 2802 ppm TREE and 873 ppm Nb (see samples LJMMR015 and 012). Both the best samples were dark coloured, aphanitc, mafic affinity volcanic rocks. There appears to be a general inverse correlation between sulphide content and REE and Nb from the MM property, verifying that VMS mineralization at the Pelly Project areas is not an indicator for high-tech element mineralization.

Three silt samples were also collected from the main MM drainage (Figure xx). The analytical results show a significant downstream accumulation of the elements of interest culminating in a very significant 2008 ppm TREE and 287 ppm Nb in sample LJMMS003. The appearance of this anomaly coincides with other historically known stream silt anomalies for many other elements of interest. Previous work by Brown and Ash (2008) noted the potential for a significant buried structure of interest which crosses the creek area around the 1500 m AMSL elevation.

Fire-Ice

FOX showing area

The Fox showing area (105F 083) does include at least two mappable syenite stocks (Greig 2002). Traverses completed in 2010, resulted in the collection of 6 rock samples in the vicinity of the westernmost 700 meter elongate syenite body. Samples collected were tuff and syenite with relatively low scintillometer counts. The best scintillometer count of 700 counts per second (CPS) returned the highest analytical values of 606 ppm TREE and 237 ppm Nb, with respective average values of 495 ppm and 191 ppm for all 6 samples.

Four rock samples were collected from rocks of- or adjacent to the eastern syenite stock, located 2.6 km east of the Fox showing. These samples returned maximum values of 858 ppm TREE and 288 ppm Nb.

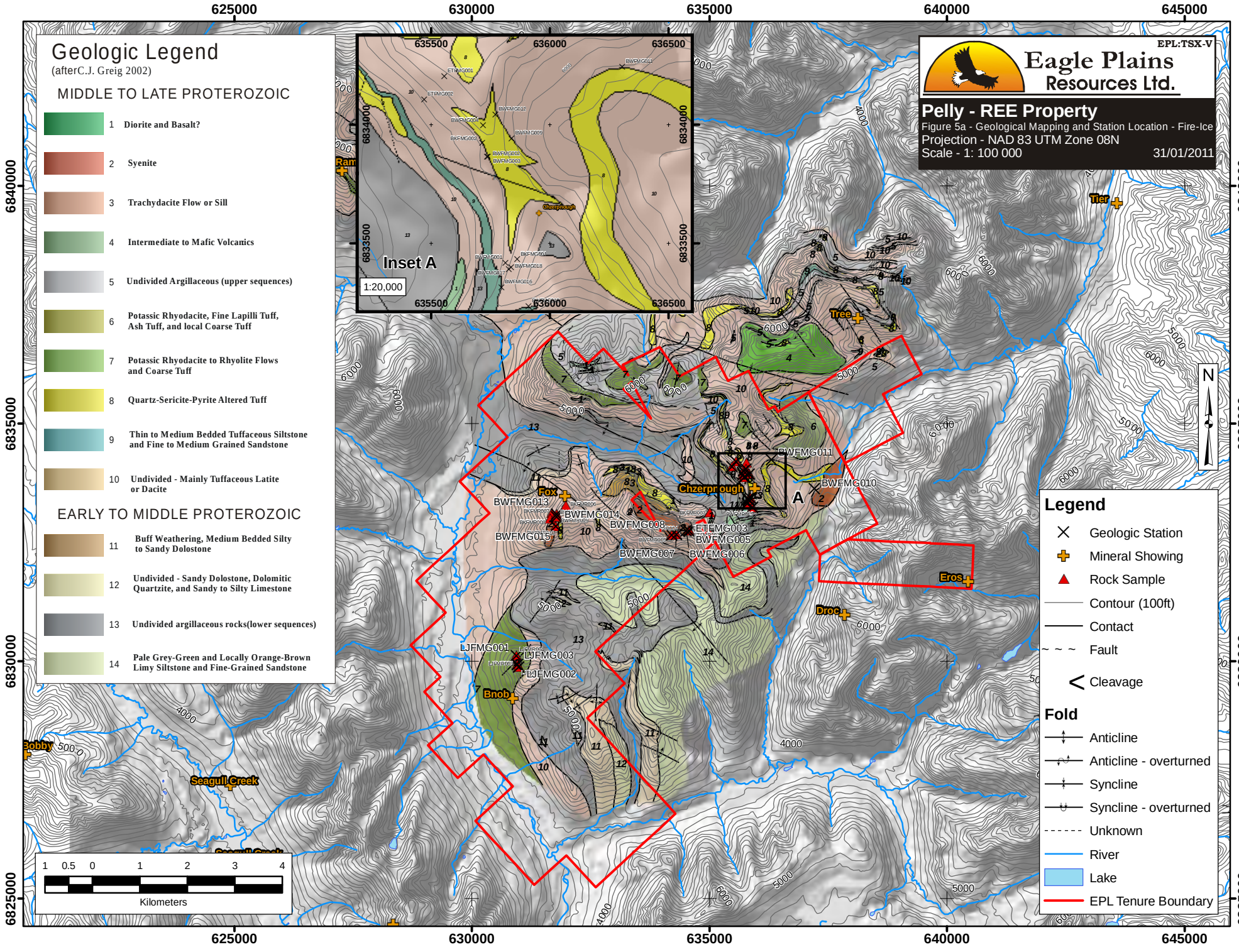
Chzerpnough (FIRE) showing area

Traverses in the Fire showing area (105F 071), resulted in the collection of 16 rock samples from mostly felsic to intermediate altered volcanic rocks. At least one basalt rock was sampled with neglible REE or Nb results. The best REE sample (BWFMR006) is a fractured, pyritiferous, serpentine altered tuff which returned 1055 ppm TREE. The best Nb sample (BWFMR013) is a fractured yellowish dacite, which returned 507 ppm Nb. Two samples containing significant sulphide Zn-Cu-Pb mineralization were collected from the area (BWFMR002 and ETFMR001); neither of these sample returned significant TREE or Nb mineralization.

BNOB (ICE) showing area

Three rock samples were collected over the main syenite stock along the gossanous BNOB ridge. All three samples were selected due to anomalous scintillometer responses greater than 1000 counts/second. Results for these three samples (two syenite and 1 felsic volcanic), were low, with

maximum values of 629 ppm TREE and 184 ppm Nb (see LJFMR001 to 003). The results are somewhat problematic because both uranium and thorium results were low (all less than 60 ppm) for all three samples; thus there is a disconnect between the high scintillometer counts and the rock material that was sent to the lab for analysis. If laboratory or scintillometer faults can be ruled out, then it is possible that the radiogenic and potentially mineralized minerals in the sampled areas may have been missed.


Geologic Legend
(afterC.J. Greig 2002)
MIDDLE TO LATE PROTEROZOIC
1 Diorite and Basalt?
2 Syenite
3 Trachydacite Flow or Sill
4 Intermediate to Mafic Volcanics
5 Undivided Argillaceous (upper sequences)
6 Potassic Rhyodacite, Fine Lapilli Tuff, Ash Tuff, and local Coarse Tuff
7 Potassic Rhyodacite to Rhyolite Flows and Coarse Tuff
8 Quartz-Sericite-Pyrite Altered Tuff
9 Thin to Medium Bedded Tuffaceous Siltstone and Fine to Medium Grained Sandstone
10 Undivided - Mainly Tuffaceous Latite or Dacite
EARLY TO MIDDLE PROTEROZOIC
11 Buff Weathering, Medium Bedded Silty to Sandy Dolostone
12 Undivided - Sandy Dolostone, Dolomitic Quartzite, and Sandy to Silty Limestone
13 Undivided argillaceous rocks(lower sequences)
14 Pale Grey-Green and Locally Orange-Brown Limy Siltstone and Fine-Grained Sandstone
Inset A
1:20,000
EPL:TSX-V
Eagle Plains Resources Ltd.
Pelly - REE Property
Figure 5a - Geological Mapping and Station Location - Fire-Ice
Projection - NAD 83 UTM Zone 08N
Scale - 1: 100 000
31/01/2011
Legend
Geologic Station
Mineral Showing
Rock Sample
Contour (100ft)
Contact
Fault
Cleavage
Fold
Anticline
Anticline - overturned
Syncline
Syncline - overturned
Unknown
River
Lake
EPL Tenure Boundary
Kilometers
N
Fox
Chzerpr ough
Tree
Tier
Eros
Droc
Bnob
Bobby
Seagull Creek
BWFMG011
BWFMG010
BWFMG013
BWFMG014
BWFMG008
BWFMG015
BWFMG007
BWFMG006
BWFMG005
ETFMG003
LJFMG001
LJFMG003
LJFMG002
A
625000
630000
635000
640000
645000
6840000
6835000
6830000
6825000

EPL:TSX-V

Eagle Plains Resources Ltd.

Pelly - REE Property

Figure 5b - Geological Mapping and Station Location - MM
Projection - NAD 83 UTM Zone 08N
Scale - 1: 10 000 28/01/2011

624000 625000 626000 627000

6817000 6816000 6815000

Legend

- Geologic Station
- Mineral Showing

Geologic Contacts
- Defined
- Assumed
- Infered
- Unknown
- Limit of Mapping

Major Fold Axes
- Anticline
- Recumbent
- Syncline

Major Faults
- Normal - Defined
- Normal - Assumed
- Thrust - Assumed
- Cleavage
- Contour
- Stream
- Lake
- EPL Tenure Boundary

0 250 500 750 1,000
Meters

N

Geologic Legend

(after C.S. Gallagher 2002)

- CPaub — Highly sheared and brecciated serpentinite and serpentinized dunite

Carboniferous - Triassic

- cTrs — Carbonaceous phyllite and marble

Upper Devonian to Mississippian

- UDM — **Undivided** - dominantly black clastic / calcareous phyllites and shale interbedded with metatuff and lapilli tuff
- uDMs — Calcareous graphitic schists; graphitic phyllite and minor graphitic quartzite

Mississippian

- Mps — **Heterogeneous Volcanics** - Quartz muscovite schist intercalated (structurally) with graphitic phyllite and graphitic quartzite
- Mfl — **Massive mafic vesicular flows**
- Mvs — **Felsic to Intermediate Volcanics** - meta-andesite; quartz sericite pyrite schist; biotite-chlorite +/- garnet schist
- Mbs — Massive pyritic sulphides or sulphide banded phyllite and schist - locally baritic

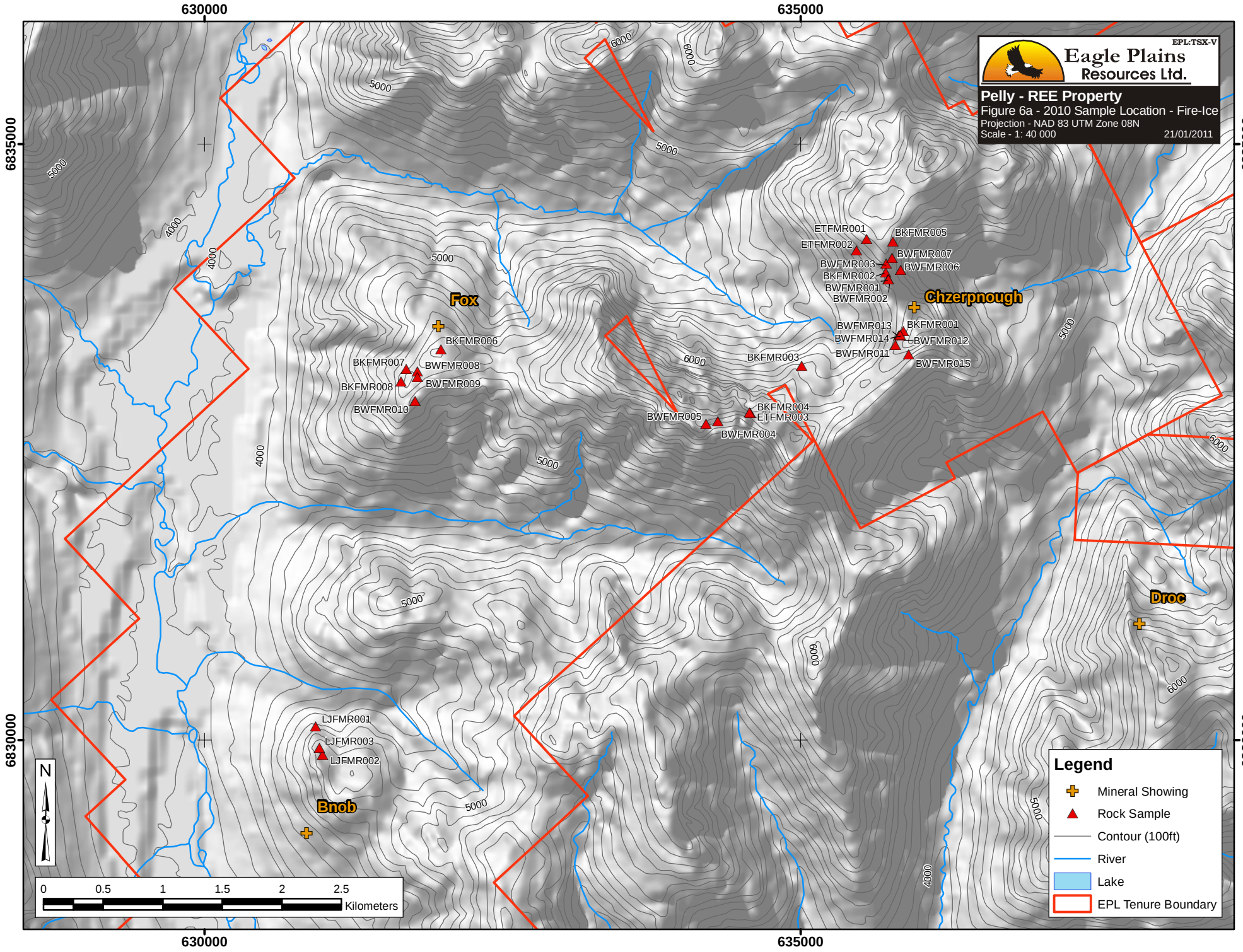
Silurian - Devonian

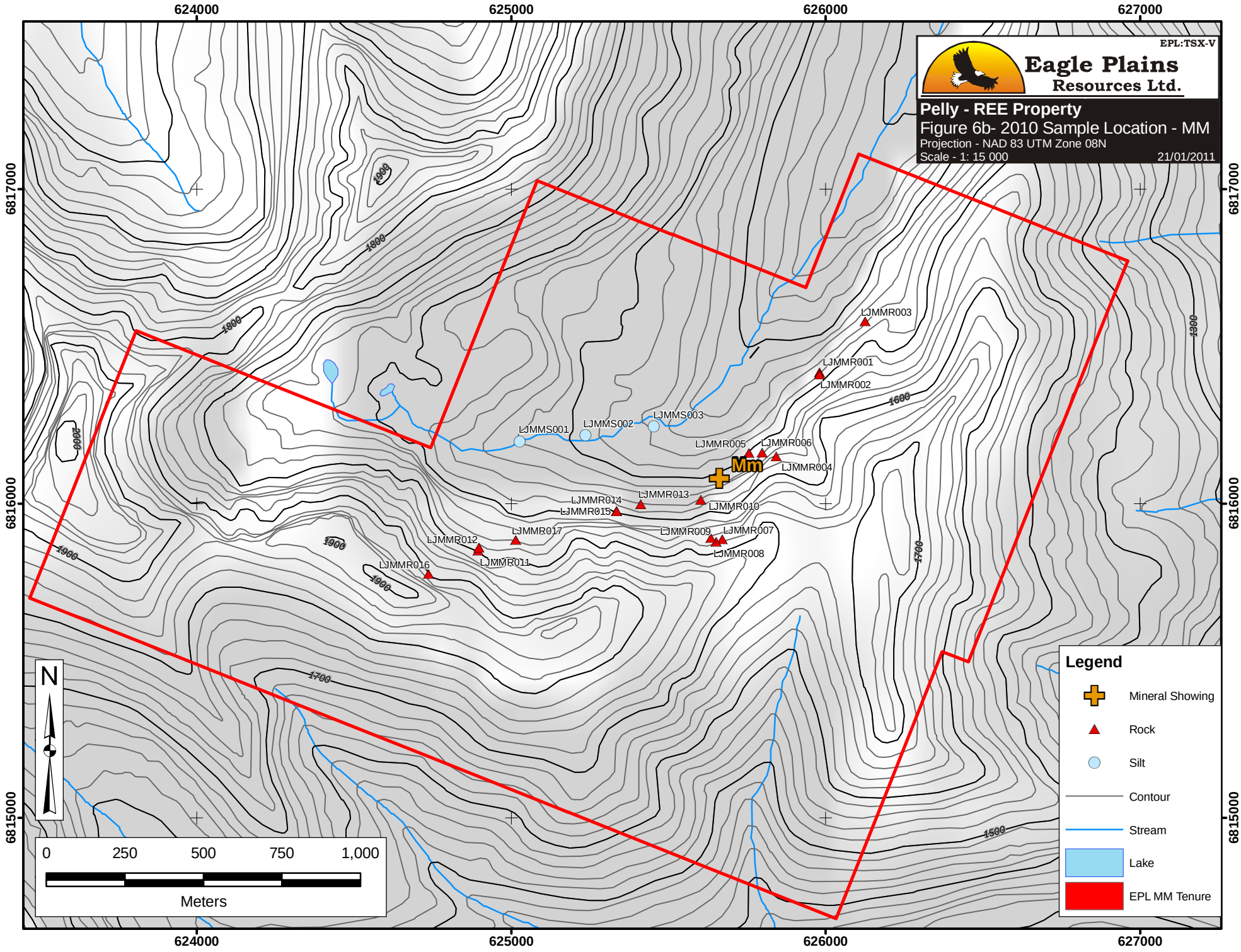
- SDA — **Askin Group** - dolostone, quartzite and limestone

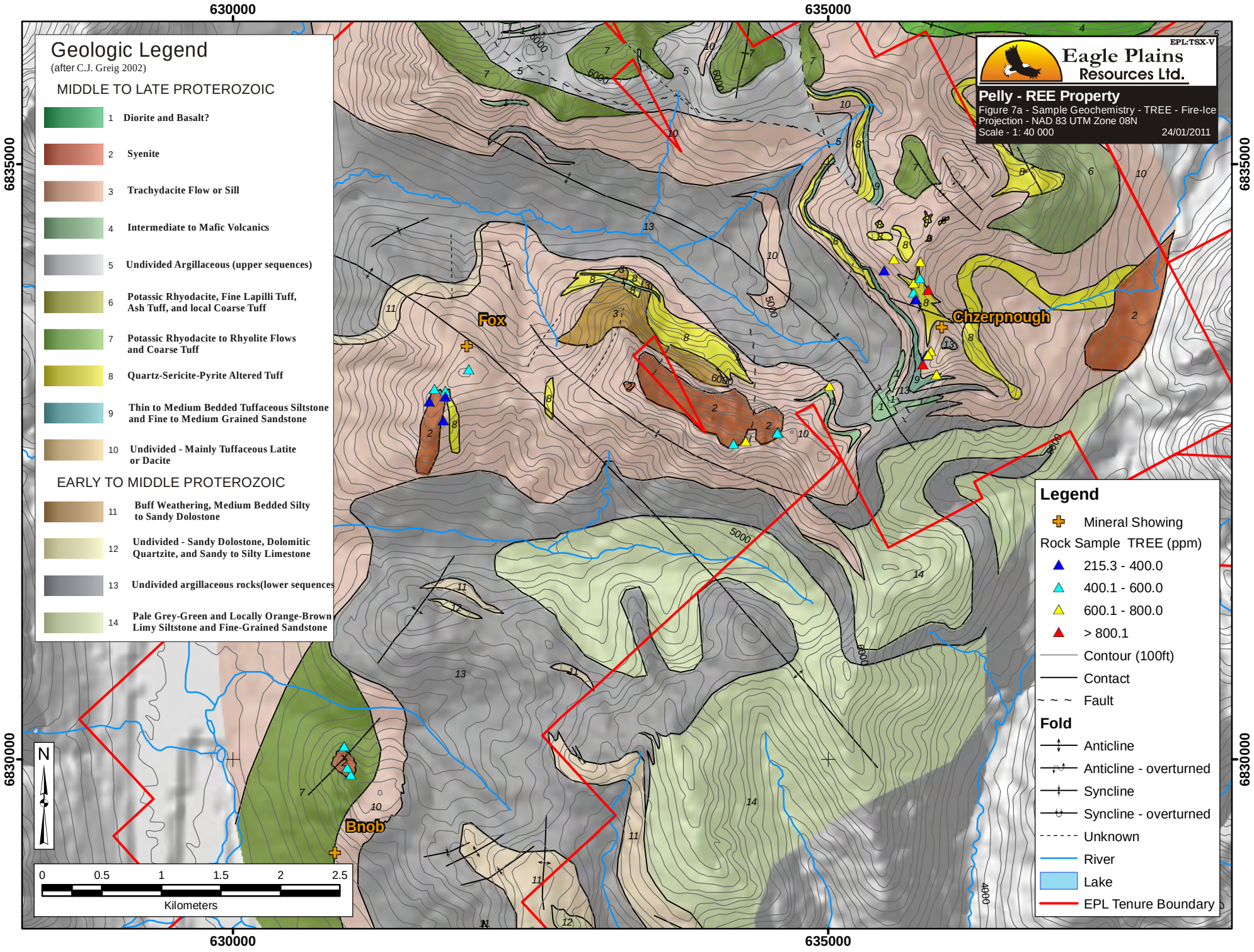
Cambrian - Ordovician

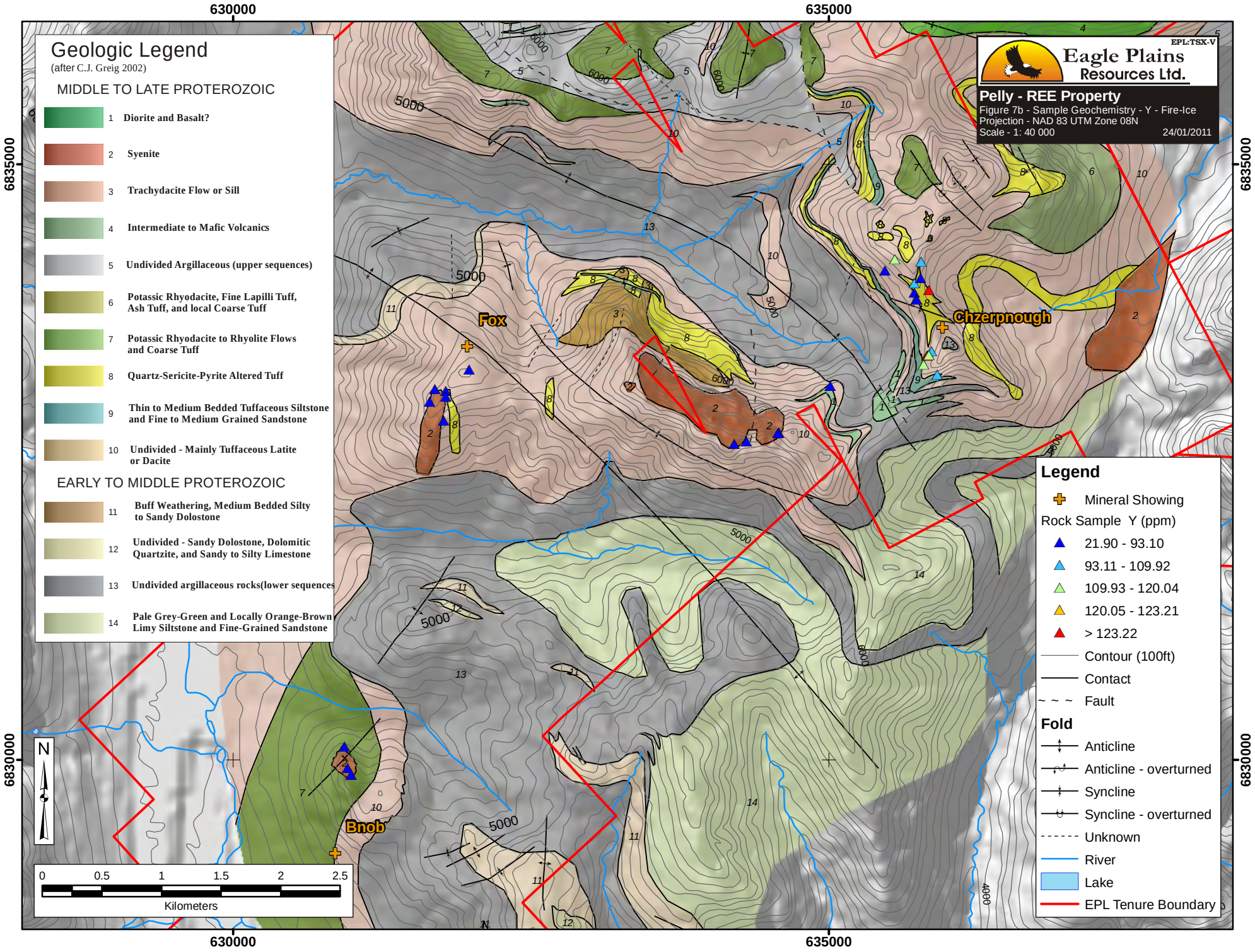
- eOK — **Kechika Group** - argillaceous nodular limestone and calc-silicate

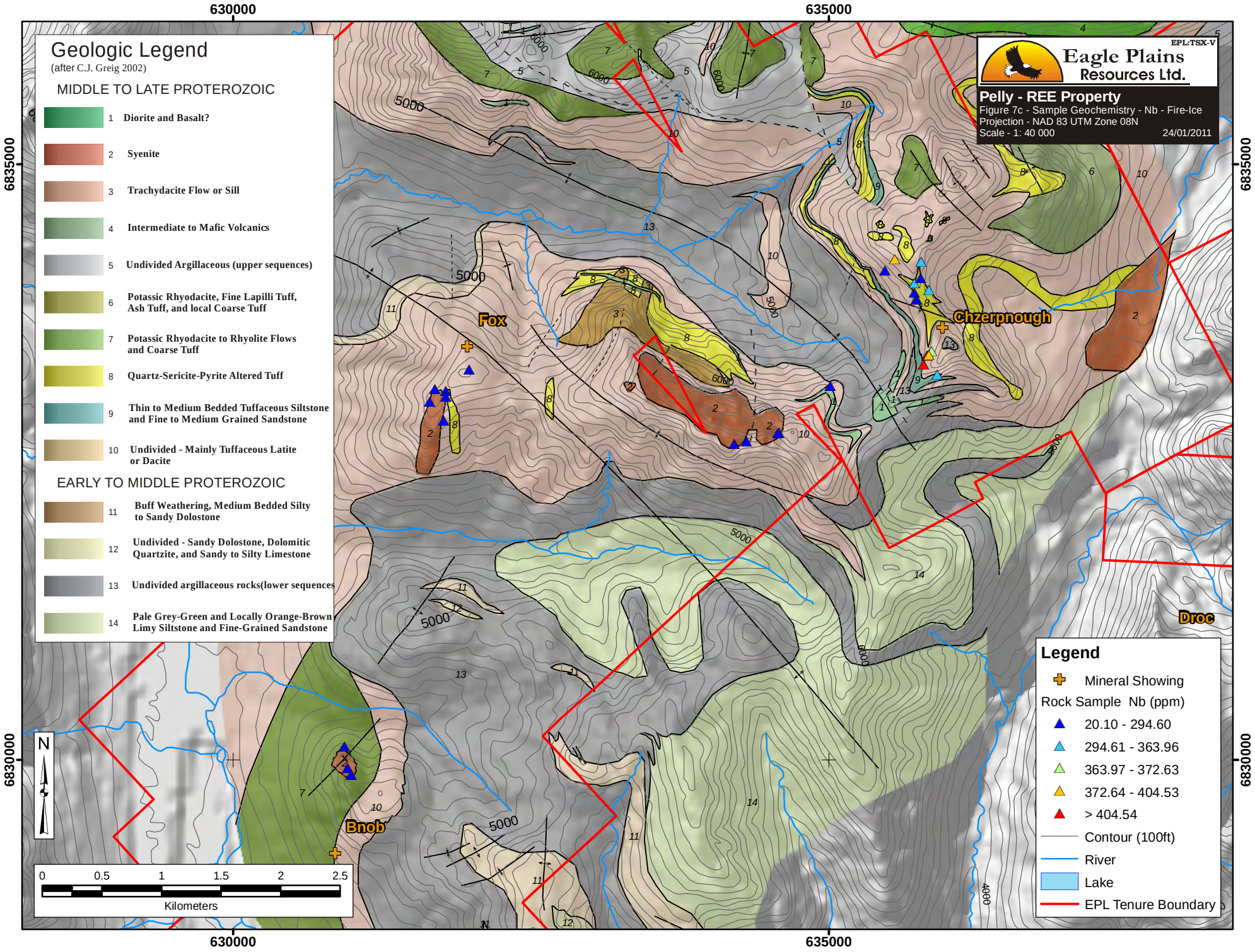
SDA, Mps, UDM, Mvs, CPaub, QSPS, Mfl, Mm, uDMs, cTrs, eOK, 1900, 1800, 1700, 1600, 1500, 1400, 1300, 1200, LJMMG001, LJMMG003, LJMMG004, LJMMG005, LJMMG006, LJMMG007, LJMMG008, LJMMG009, LJMMG010, LJMMG011, LJMMG012, LJMMG013, LJMMG014, LJMMG015, LJMMG016


630000
635000
6835000
6830000
EPL:TSX-V
Eagle Plains Resources Ltd.
Pelly - REE Property
Figure 6a - 2010 Sample Location - Fire-Ice
Projection - NAD 83 UTM Zone 08N
Scale - 1: 40 000
21/01/2011
Fox
Chzerpnough
Droc
Bnob
ETFMR001
ETFMR002
BKFMR005
BWFMR007
BWFMR003
BWFMR006
BKFMR002
BWFMR001
BWFMR002
BWFMR013
BKFMR001
BWFMR014
BWFMR012
BWFMR011
BWFMR015
BKFMR003
BKFMR006
BKFMR007
BWFMR008
BKFMR008
BWFMR009
BWFMR010
BWFMR005
BKFMR004
ETFMR003
BWFMR004
LJFMR001
LJFMR003
LJFMR002
5000
6000
4000
N
0 0.5 1 1.5 2 2.5
Kilometers
Legend
Mineral Showing
Rock Sample
Contour (100ft)
River
Lake
EPL Tenure Boundary


624000
625000
626000
627000
6817000
6816000
6815000
EPL:TSX-V
Eagle Plains
Resources Ltd.
Pelly - REE Property
Figure 6b- 2010 Sample Location - MM
Projection - NAD 83 UTM Zone 08N
Scale - 1: 15 000
21/01/2011
LJMMR003
LJMMR001
LJMMR002
LJMMS001
LJMMS002
LJMMS003
LJMMR005
LJMMR006
LJMMR004
Mm
LJMMR013
LJMMR014
LJMMR015
LJMMR010
LJMMR017
LJMMR012
LJMMR011
LJMMR009
LJMMR007
LJMMR008
LJMMR016
1900
1800
1600
1300
2000
1700
1500
N
0
250
500
750
1,000
Meters
Legend
Mineral Showing
Rock
Silt
Contour
Stream
Lake
EPL MM Tenure


630000
635000
6835000
6830000
Geologic Legend
(after C.J. Greig 2002)
MIDDLE TO LATE PROTEROZOIC
1 Diorite and Basalt?
2 Syenite
3 Trachydacite Flow or Sill
4 Intermediate to Mafic Volcanics
5 Undivided Argillaceous (upper sequences)
6 Potassic Rhyodacite, Fine Lapilli Tuff, Ash Tuff, and local Coarse Tuff
7 Potassic Rhyodacite to Rhyolite Flows and Coarse Tuff
8 Quartz-Sericite-Pyrite Altered Tuff
9 Thin to Medium Bedded Tuffaceous Siltstone and Fine to Medium Grained Sandstone
10 Undivided - Mainly Tuffaceous Latite or Dacite
EARLY TO MIDDLE PROTEROZOIC
11 Buff Weathering, Medium Bedded Silty to Sandy Dolostone
12 Undivided - Sandy Dolostone, Dolomitic Quartzite, and Sandy to Silty Limestone
13 Undivided argillaceous rocks(lower sequences
14 Pale Grey-Green and Locally Orange-Brown Limy Siltstone and Fine-Grained Sandstone
EPL:TSX-V
Eagle Plains Resources Ltd.
Pelly - REE Property
Figure 7a - Sample Geochemistry - TREE - Fire-Ice
Projection - NAD 83 UTM Zone 08N
Scale - 1: 40 000
24/01/2011
Fox
Chzerpnough
Bnob
Legend
Mineral Showing
Rock Sample TREE (ppm)
215.3 - 400.0
400.1 - 600.0
600.1 - 800.0
> 800.1
Contour (100ft)
Contact
Fault
Fold
Anticline
Anticline - overturned
Syncline
Syncline - overturned
Unknown
River
Lake
EPL Tenure Boundary
N
0 0.5 1 1.5 2 2.5
Kilometers


630000
635000
6835000
6830000
Geologic Legend
(after C.J. Greig 2002)
MIDDLE TO LATE PROTEROZOIC
1 Diorite and Basalt?
2 Syenite
3 Trachydacite Flow or Sill
4 Intermediate to Mafic Volcanics
5 Undivided Argillaceous (upper sequences)
6 Potassic Rhyodacite, Fine Lapilli Tuff, Ash Tuff, and local Coarse Tuff
7 Potassic Rhyodacite to Rhyolite Flows and Coarse Tuff
8 Quartz-Sericite-Pyrite Altered Tuff
9 Thin to Medium Bedded Tuffaceous Siltstone and Fine to Medium Grained Sandstone
10 Undivided - Mainly Tuffaceous Latite or Dacite
EARLY TO MIDDLE PROTEROZOIC
11 Buff Weathering, Medium Bedded Silty to Sandy Dolostone
12 Undivided - Sandy Dolostone, Dolomitic Quartzite, and Sandy to Silty Limestone
13 Undivided argillaceous rocks(lower sequences
14 Pale Grey-Green and Locally Orange-Brown Limy Siltstone and Fine-Grained Sandstone
EPL:TSX-V
Eagle Plains Resources Ltd.
Pelly - REE Property
Figure 7b - Sample Geochemistry - Y - Fire-Ice
Projection - NAD 83 UTM Zone 08N
Scale - 1: 40 000
24/01/2011
Fox
Chzerpnough
Bnob
Legend
Mineral Showing
Rock Sample Y (ppm)
21.90 - 93.10
93.11 - 109.92
109.93 - 120.04
120.05 - 123.21
> 123.22
Contour (100ft)
Contact
Fault
Fold
Anticline
Anticline - overturned
Syncline
Syncline - overturned
Unknown
River
Lake
EPL Tenure Boundary
N
0 0.5 1 1.5 2 2.5
Kilometers


630000
635000
6835000
6830000
Geologic Legend
(after C.J. Greig 2002)
MIDDLE TO LATE PROTEROZOIC
1 Diorite and Basalt?
2 Syenite
3 Trachydacite Flow or Sill
4 Intermediate to Mafic Volcanics
5 Undivided Argillaceous (upper sequences)
6 Potassic Rhyodacite, Fine Lapilli Tuff, Ash Tuff, and local Coarse Tuff
7 Potassic Rhyodacite to Rhyolite Flows and Coarse Tuff
8 Quartz-Sericite-Pyrite Altered Tuff
9 Thin to Medium Bedded Tuffaceous Siltstone and Fine to Medium Grained Sandstone
10 Undivided - Mainly Tuffaceous Latite or Dacite
EARLY TO MIDDLE PROTEROZOIC
11 Buff Weathering, Medium Bedded Silty to Sandy Dolostone
12 Undivided - Sandy Dolostone, Dolomitic Quartzite, and Sandy to Silty Limestone
13 Undivided argillaceous rocks(lower sequences
14 Pale Grey-Green and Locally Orange-Brown Limy Siltstone and Fine-Grained Sandstone
EPL:TSX-V
Eagle Plains Resources Ltd.
Pelly - REE Property
Figure 7c - Sample Geochemistry - Nb - Fire-Ice
Projection - NAD 83 UTM Zone 08N
Scale - 1: 40 000
24/01/2011
Fox
Chzerpnough
Droc
Bnob
Legend
Mineral Showing
Rock Sample Nb (ppm)
20.10 - 294.60
294.61 - 363.96
363.97 - 372.63
372.64 - 404.53
> 404.54
Contour (100ft)
River
Lake
EPL Tenure Boundary
N
0 0.5 1 1.5 2 2.5
Kilometers

624000 625000 626000 627000

6817000 6816000 6815000

EPL:TSX-V

Eagle Plains Resources Ltd.

Pelly - REE Property

Figure 7d - 2010 Sample Geochemistry - TREE - MM

Projection - NAD 83 UTM Zone 08N

Scale - 1: 10 000 25/01/2011

Legend

Mineral Showing

Rock Sample TREE (ppm)

- 0.00 - 1606.51
- 1606.52 - 2069.27
- 2069.28 - 2340.51
- 2340.52 - 2466.45
- > 2466.46

Silt Sample TREE (ppm)

- 402.22 - 650.06
- 650.07 - 1820.08

Geologic Contacts

- Defined
- Assumed
- Infered
- Unknown
- Limit of Mapping

Major Fold Axes

- Anticline
- Recumbent
- Syncline

Major Faults

- Normal - Defined
- Normal - Assumed
- Thrust - Assumed
- Contour
- Stream
- Lake
- EPL Tenure Boundary

0 250 500 750 1,000

Meters

N

Geologic Legend

(after C.S. Gallagher 2002)

CPaub — Highly sheared and brecciated serpentinite and serpentinized dunite

Carboniferous - Triassic

cTrs — Carbonaceous phyllite and marble

Upper Devonian to Mississippian

UDM — **Undivided** - dominantly black clastic / calcareous phyllites and shale interbedded with metatuff and lapilli tuff

uDMs — Calcareous graphitic schists; graphitic phyllite and minor graphitic quartzite

Mississippian

Mps — **Heterogeneous Volcanics** - Quartz muscovite schist intercalated (structurally) with graphitic phyllite and graphitic quartzite

Mfl — **Massive mafic vesicular flows**

Mvs — **Felsic to Intermediate Volcanics** - meta-andesite; quartz sericite pyrite schist; biotite-chlorite +/- garnet schist

Mbs — Massive pyritic sulphides or sulphide banded phyllite and schist - locally baritic

Silurian - Devonian

SDA — **Askin Group** - dolostone, quartzite and limestone

Cambrian - Ordovician

eOK — **Kechika Group** - argillaceous nodular limestone and calc-silicate

SDA Mps UDM Mm CPaub Mvs DSPS Mfl uDMs cTrs eOK

1300 1400 1600 1700 1800 1900

624000 625000 626000 627000

6817000 6816000 6815000

EPL:TSX-V

Eagle Plains Resources Ltd.

Pelly - REE Property

Figure 7e - 2010 Sample Geochemistry - Y - MM

Projection - NAD 83 UTM Zone 08N

Scale - 1: 10 000 25/01/2011

Legend

Mineral Showing

Rock Sample Y (ppm)

- 0.00 - 228.00
- 228.01 - 282.46
- 282.47 - 301.88
- 301.89 - 303.74
- > 303.75

Silt Sample Y (ppm)

- 0.00 - 188.40

Geologic Contacts

- Defined
- Assumed
- Infered
- Unknown
- Limit of Mapping

Major Fold Axes

- Anticline
- Recumbent
- Syncline

Major Faults

- Normal - Defined
- Normal - Assumed
- Thrust - Assumed
- Contour
- Stream
- Lake
- EPL Tenure Boundary

0 250 500 750 1,000

Meters

N

Geologic Legend

(after C.S. Gallagher 2002)

CPaub — Highly sheared and brecciated serpentinite and serpentinized dunite

Carboniferous - Triassic

cTrs — Carbonaceous phyllite and marble

Upper Devonian to Mississippian

UDM — **Undivided** - dominantly black clastic / calcareous phyllites and shale interbedded with metatuff and lapilli tuff

uDMs — Calcareous graphitic schists; graphitic phyllite and minor graphitic quartzite

Mississippian

Mps — **Heterogeneous Volcanics** - Quartz muscovite schist intercalated (structurally) with graphitic phyllite and graphitic quartzite

Mfl — **Massive mafic vesicular flows**

Mvs — **Felsic to Intermediate Volcanics** - meta-andesite; quartz sericite pyrite schist; biotite-chlorite +/- garnet schist

Mbs — Massive pyritic sulphides or sulphide banded phyllite and schist - locally baritic

Silurian - Devonian

SDA — **Askin Group** - dolostone, quartzite and limestone

Cambrian - Ordovician

eOK — **Kechika Group** - argillaceous nodular limestone and calc-silicate

SDA Mps CPaub Mvs QSPS DSPS Mfl UDM Mm uDMs cTrs eOK 1300 1400 1600 1700 1800 1900

624000 625000 626000 627000

6817000 6816000 6815000

EPL:TSX-V

Eagle Plains Resources Ltd.

Pelly - REE Property

Figure 7f - 2010 Sample Geochemistry - Nb - MM

Projection - NAD 83 UTM Zone 08N

Scale - 1: 10 000 25/01/2011

Legend

Mineral Showing

Rock Sample Nb (ppm)

- 1.40 - 612.00
- 612.01 - 799.84
- 799.85 - 826.12
- 826.13 - 863.94
- > 863.95

Silt Sample Nb (ppm)

- 0.00 - 612.00

Geologic Contacts

- Defined
- Assumed
- Infered
- Unknown
- Limit of Mapping

Major Fold Axes

- Anticline
- Recumbent
- Syncline

Major Faults

- Normal - Defined
- Normal - Assumed
- Thrust - Assumed

Contour

Stream

Lake

EPL Tenure Boundary

0 250 500 750 1,000

Meters

N

Geologic Legend

(after C.S. Gallagher 2002)

CPaub — Highly sheared and brecciated serpentinite and serpentinized dunite

Carboniferous - Triassic

cTrs — Carbonaceous phyllite and marble

Upper Devonian to Mississippian

UDM — **Undivided** - dominantly black clastic / calcareous phyllites and shale interbedded with metatuff and lapilli tuff

uDMs — Calcareous graphitic schists; graphitic phyllite and minor graphitic quartzite

Mississippian

Mps — **Heterogeneous Volcanics** - Quartz muscovite schist intercalated (structurally) with graphitic phyllite and graphitic quartzite

Mfl — **Massive mafic vesicular flows**

Mvs — **Felsic to Intermediate Volcanics** - meta-andesite; quartz sericite pyrite schist; biotite-chlorite +/- garnet schist

Mbs — Massive pyritic sulphides or sulphide banded phyllite and schist - locally baritic

Silurian - Devonian

SDA — **Askin Group** - dolostone, quartzite and limestone

Cambrian - Ordovician

eOK — **Kechika Group** - argillaceous nodular limestone and calc-silicate

SDA Mps CPaub Mvs DSPS Mfl Mm UDM uDMs eOK

1900 1800 1700 1600 1300

Conclusions

By virtue of the numerous intrusive stocks of alkaline affinity in close proximity to other known REE mineralization showings to the south (e.g. Guano), the Pelly Project was deemed prospective for REE + Nb mineralization. The specific REE 2010 field investigation in the vicinity of several syenite stocks and feeder systems at the VMS Fire and Ice showings did not return overly encouraging analytical results for REE and Nb. The scintillometer and some of the analytical results are anomalous, but not economically significant for the specific areas studied.

Results from the MM property were more encouraging. Although the rock results to date are all considered subeconomic, the areal extent of the anomalies is significant, especially when including the very high silt stream result (LJMMS003). A careful assessment (petrographic and structural) of the rock types near the 1500m contour should be made to determine what specific rock units are carrying the high-tech mineralization. The extent of deformation and alteration of rocks at the MM is legend – it would be easy to overlook a significant REE carrying dyke system in this area.

Recommendations

General recommendation to assess the regional potential for REE and Nb mineralization should include additional attempts to reanalyze any and all historical silt-stream and/or soil pulps with a robust analytical method such as INAA or fusion. YK geological survey pulps are currently held by the GSC, but attempts to get access to the pulps this year were unsuccessful. In the current rock dataset there is a clear correlation between the REEs, Nb and Th ($r^2>0.78$). An airborne radiometric survey is strongly recommended to develop additional regional scale targets.

References

Ash, C.H., 2007. Summary & Recommendation Report for Eagle Plains Resources Ltd. Pelly Mountain Properties, Yukon Territory; Eagle Plains Resources Ltd., Internal Report

Ash, C.H., Brown, J., and C.S. Gallagher, 2007. Geological Mapping & Rock Sampling Report for 2006 fieldwork. Assessment Report written for Eagle Plains Resources.

Dean, P. 1977a. Geological and Geophysical report, BNOB claim group, Watson Lake Mining District, Yukon Territory, Assessment Report No. #090193, 8 pages, 4 maps.

Dean, P., 1977b. Geochemical report BNOB claim group, Watson Lake Mining District, Yukon Territory, Assessment Report No. #090174, 9 pages, 1 map

Downie, C.C. and Gallagher, C.S., 2002. Geological Report for MM Property; Report prepared for Eagle Plains Resources Ltd.

Downie, C.C. and Hendrickson, G.A., 2006. Geological Report for MM Property; Report prepared for Eagle Plains Resources Ltd., 44 pages.

Greig, C.J., 2000. Geological Examination of the FIRE and ICE Properties, Pelly Mountains, Yukon Territory; Eagle Plains Resources Internal Report

Greig, C.J., 2001. Geological Examination of the FIRE / ICE / MELT Properties, Pelly Mountains, Yukon Territory; Eagle Plains Resources Internal Report

Greig, C.J., 2002. Recommendations for exploration and notes to accompany geological Compilation, Fire-Ice-Melt Properties, Pelly Mountains, South Central Yukon Territory, In house report for Eagle Plains Resources Ltd., 9 p.

Gordey, S.P. and Makepeace, A.J., 1999. Yukon Digital Geology. Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, Open File 1999-1(D), two CDs. Also available as Geological Survey of Canada, Open File D3826.

Holbeck, P.M. and Wilson, R.G., 1998. The Wolf discovery: A kuroko-style volcanogenic massive sulphide deposit hosted by rift-related, alkaline felsic volcanic rocks. *In:* Yukon Exploration and Geology, 1997, Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, p. 115-120.

Hunt, J.A. and Murphy, D.M., 1998. A note on preliminary mapping in the Fire Lake area. *In:* Yukon Exploration and Geology 1997, Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, p. 59-68.

Hunt, J.A., 1998b. Recent discoveries of volcanicassociated massive sulphide deposits in the Yukon. CIM Bulletin, v. 90, # 1017, Feb. 1998, p. 56-65

Hunt, J.A., 2002. Volcanic-associated massive sulphide (VMS) mineralization in the Yukon-Tanana Terrane and coeval strata of the North American miogeocline, in the Yukon and adjacent areas. Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, Bulletin 12, 107 p.

Jennings, D.S., 1976a. MM Project, summary report Volume II, figures 2-17; Cyprus Anvil Mining

Corporation, Internal report, available from Yukon Geoscience Library File #105F07/1241, Box # 20050352.

Jennings, D.S., 1976b. Summary report, MM Project; Cyprus Anvil Mining Corporation, Internal report, available from Yukon Geoscience Library, File # 105F07/1450, Box # 20050483.

Kreft, B., 1997a. Geological Assessment Report for the Bnob mineral property. Assessment Report 093793 written for Eagle Plains Resources and Miner River Resources.

Kreft, B., 1997b. Geological Assessment Report for the Chzerpnough mineral property. Assessment Report 093794 written for Eagle Plains Resources and Miner River Resources.

Leitch, C.H.B., 1998. Petrographic report on 194 samples from volcanic-associated massive sulphide deposits in Yukon. Unpublished report for the VMS project, included in Hunt (2002) as Appendix VI-3.

McGill, D.L., Lo, B. and Wilson, R.G., 1998. Helicopter borne EM, magnetic and VLF survey on the Fire 1-12, Char 1-30 and Tree 1-56 claims, Watson Lake Mining District. Assessment Report 093867 written for Atna Resources Ltd.

Morin, J.A., 1977. Ag-Pb-Zn mineralization in the MM deposit and associated Mississippian felsic volcanic rocks in the St. Cyr Range, Pelly Mountains; 1976 Mineral Industry Report, Yukon Territory. Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada 1977-1, p. 83-97.

Morin, J.A., 1981. Model of mineralization related to cauldron facies syenite in the Pelly Mountains; Yukon Geology and Exploration1979-80, Indian and Northern Affairs Canada, p.88-90.

Mortensen, J.K. and Godwin, C.I., 1982. Volcanogenic massive sulphide deposits associated with highly alkaline rift volcanics in the southeastern Yukon Territory. Canadian Journal of Earth Sciences, v. 20, no.10, pp.1225-1230.

Mortensen, J.K., 1982. Geological setting and tectonic significance of Mississippian felsic meta-volcanic rocks in the Pelly Mountains, southeastern Yukon Territory. Canadian Journal of Earth Sciences, vol. 19, p. 8-22.

Mortensen, J.K., 1979b. Stratigraphic, structural, and tectonic setting of an Upper Devonian-Mississippian volcanic-sedimentary sequence and associated base metal deposits in the Pelly Mountains, southeastern Yukon Territory. M.A.Sc. Thesis, University of British Columbia, Vancouver, British Columbia, 122 p.

Mortensen, J.K., 1979a. Cyprus Anvil Mining Corporation report with maps. In house Company report (recently available for public viewing via the YK Geological Survey Library, Whitehorse)

Mortensen, J.K., 1979. Geophysical report, MM Claim Group; Cyprus Anvil Mining Corporation, Internal report, available from Yukon Geoscience Library, File # 105F07/1242, Box # 20050352.

Mortensen, J.K. and Godwin, C.I., 1982. Volcanogenic massive sulphide deposits associated with highly alkaline rift volcanics in the southeastern Yukon Territory. *Economic Geology*, vol. 77, #5, p. 1225-1230.

Pell, J., 1987. Alkaline Ultrabasic Rocks in BC. BC Ministry of Energy, Mines and Petroleum

Resources. Open File 1987-17,

Pigage, L.C., 1987. Trenching Report MM and JJ Claim Groups, Watson Lake Mining District, Yukon Territory; Assessment Report 092482, written for Curragh Resources Inc., 18 p.

Pigage, L.C., 1988. 1988 Trenching Report MM and JJ Claim Groups, Watson Lake Mining District, Yukon Territory; Assessment Report 092590, written for Curragh Resources Inc., 21 p.

Sinclair, W.D and Gilbert, G.W. 1975. Mineral industry report 1973, Yukon Territory; *Department of Indian and Northern Affairs*, EGS 1975-7, p. 169.

Tempelman-Kluit, D.J., Gordey, S. and Read, B., 1976. Stratigraphic and structural studies in the Pelly Mountains, Yukon Territory; Geological Survey of Canada, Paper 76-1, Part A, p. 97- 105.

Tempelman-Kluit, D.J., Abbott, G., Gordey, S. and Read, B., 1975. Stratigraphic and structural studies in the Pelly Mountains, Yukon Territory; *Geological Survey of Canada*, Paper 75-1, Part A, p. 45-48.

Tempelman-Kluit, D.J. 1977. Quiet Lake (105 F) and Finlayson Lake (105G) map areas; *Geological Survey of Canada*, Open File 486.

Tempelman-Kluit, D.J., in press. Geology of Quiet Lake (105F) and Finlayson Lake map areas, Yukon Territory; *Geological Survey of Canada*, Memoir.

Verley, C.G., 1988. Preliminary Geological Report on the Eve and White Claims for Mountain Province Mining Inc. Yukon Territory assessment report 091996.

Wheeler, J.O., 1960, Quiet Lake, Yukon Territory; Geological Survey of Canada, Map 7-1960.

Appnedix I – Statement of Qualifications

AARON A. HIGGS, B. Sc.

I, Aaron Ashwell Higgs, B.Sc. do hereby certify that:

I am currently employed as a Senior Geologist by TerraLogic Exploration Inc., with business location of Suite 200, 44-12th Ave S., Cranbrook, BC, V1C 2R7 (Telephone: 778-520-2000, email: aah@terralogicexploration.com)

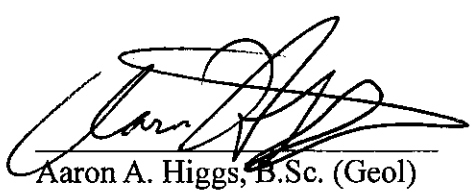
I graduated with a B.Sc. degree in Geology from the University of British Columbia in 2005.

I have worked as a Geologist in Western Canada for 5 years since my graduation from university.

I am responsible for the preparation of this Technical Report entitled "Technical Report on the Pelly-REE Project."

Dated at Cranbrook, British Columbia, Canada this 20th day of January, 2011.

Respectfully submitted



Aaron A. Higgs, B.Sc. (Geol)

January 20, 2011

Appendix II – Statement of Expenditures

2.1 Program Expenditures
2.2 Program Receipts

2.1 Program Expenditures

YMIP Expense Claim - Client copy

YMIP no: **10-142**	project name: **Pelly-REE**			Expense Claim no: **1**
Aaron Higgs *applicant name*			module: type:	Target Evaluation Hard rock
Suite 200, 44-12th Ave S Cranbrook, BC, V1C 2R7 *address*			phone: email: date submitted:	*778-520-2000* aah@terralogicexploration.com 20-Jan-10
Start/ end dates of fieldwork for this claim:	31-Jul-10 *start*	6-Aug-10 *end*	no of field days/ this claim:	7.00

eligible expenses	*Please refer to rate guidelines. Provide photocopy of receipts. Amounts to exclude GST*			
item		unit/days	rate	total
daily field expenses	Crew of 5 for 7 days	35	$100.00	$3,500.00
Personnel	*Name (supply statement of qualifications)*			
	Aaron Higgs, Senior Geologist	7	$500.00	$3,500.00
	Bronwen Wallace, Senior Geologist	7	$500.00	$3,500.00
	Ben Kary, GIS Specialist and Data mangement	7	$400.00	$2,800.00
	Lewis Jones, Geologist	7	$400.00	$2,800.00
	Eric Termuende, Technician	7	$350.00	$2,450.00

equipment (rental)	private or commercial	unit/days	rate	total
Truck within the Yukon	Private	603 km	$0.595/km	$358.79
Transport Trailer	Private	7	$16/day	$112.00
XRF Analyzer	Private	7	$110/day	$770.00
2" Pump	Private	7	$10/day	$70.00
2kw Generator	Private	7	$10/day	$70.00
Scintillometers	Commercial	as pre receipt		$1,140
other	*please provide details*			
Report Writing Costs, includes report preparation, printing and binding costs				$3,000
Analytical Costs				$1,824.27
Helicopter Costs				$7,107.14
Aerial Photography and Base Maps				$59.98
Admin and Handling Changes on Disbursements				$1,519.71
			Grand total this claim:	$34,581.89

2.2 Program Receipts

TerraLogic Exploration Services

TerraLogic Exploration Inc.
#200, 44-12th Ave S
Cranbrook, BC
V1C 2R7

Invoice

Invoice date	Invoice #
10/31/2010	E1614

PAID

Invoice To
Eagle Plains Resources Ltd. #200, 44-12th Ave S Cranbrook, BC V1C 2R7

Period	Property
Jul-Sep/10	Fire Ice Melt

Item	# of Items	Chargable Time	Qty	Rate	Amount
To invoice for 2010 field program					
A Higgs, Sr Geologist		4.55 days	4.55	575.00	2,616.25
L Jones, Geotech		4.55 days	4.55	425.00	1,933.75
B Kary, Geotech		5.04 days	5.04	425.00	2,142.00
B Robison, GIS & Logistics		0.33 days	0.33	525.00	173.25
E Termuende, Geotech		4.55 days	4.55	425.00	1,933.75
B Wallace, Geologist		4.55 days	4.55	525.00	2,388.75
Total personnel					11,187.75
Disbursements (receipts provided on request)			1	7,608.12	7,608.12
Total disbursements					7,608.12
15% Handling fee - EPL			7,608.12	0.15	1,141.22
Total other charges					1,141.22
Equipment Rentals	5	4.55 days	22.75	35.00	796.25
Field kits - per day		0.65 wks	0.65	700.00	455.00
Truck wi insurance - per week Unit#01		392 kms	392	0.30	117.60
Mileage per km-Unit #01		0.65 wks	0.65	600.00	390.00
Trailer Enclosed - per week - Unit #03					

Total

Business Number:	863794905

Phone #	Fax #
250 426-0749	250 426-6899

Payments/Credits

Account Balance

** Accounts overdue in excess of 30 days will be subject to interest charges.*

TerraLogic Exploration Services

TerraLogic Exploration Inc.
#200, 44-12th Ave S
Cranbrook, BC
V1C 2R7

Invoice

Invoice date	Invoice #
10/31/2010	E1614

PAID

Invoice To
Eagle Plains Resources Ltd. #200, 44-12th Ave S Cranbrook, BC V1C 2R7

PELLY REE SPLIT

Period	Property
Jul-Sep/10	Fire Ice Melt

Item	# of Items	Chargable Time	Qty	Rate	Amount
Satelite phone wi charger - per week	2	0.65 wks	1.3	75.00	97.50
Computer wi printer - per week	2	0.65 wks	1.3	50.00	65.00
Chainsaw - per week		0.65 wks	0.65	45.00	29.25
Radio wi charger - per week	5	0.65 wks	3.25	40.00	130.00
Field Camp - per man - per day	5	4.55 days	22.75	40.00	910.00
Wall tent - per week		0.65 wks	0.65	150.00	97.50
Rock Saw - per week		0.65 wks	0.65	100.00	65.00
Shot gun - per week		0.65 wks	0.65	25.00	16.25
Digital Camera - per week		0.65 wks	0.65	30.00	19.50
Water Pump - per week		0.65 wks	0.65	175.00	113.75
Total equipment charges					3,302.60
Total					23,239.69

Business Number:	863794905

Phone #	Fax #
250 426-0749	250 426-6899

Total	$23,239.69
Payments/Credits	$-23,239.69
Account Balance	$98,946.75

** Accounts overdue in excess of 30 days will be subject to interest charges.*

TerraLogic Exploration Services

TerraLogic Exploration Inc.
#200, 44-12th Ave S
Cranbrook, BC
V1C 2R7

Invoice

Invoice date	Invoice #
10/31/2010	E1613

PAID

Invoice To
Eagle Plains Resources Ltd. #200, 44-12th Ave S Cranbrook, BC V1C 2R7

PELLY REE SPLIT

Period	Property
July-Sep/10	MM

Item	# of Items	Chargable Time	Qty	Rate	Amount
To invoice for 2010 field program					
A Higgs, Sr Geologist		2.45 days	2.45	575.00	1,408.75
L Jones, Geotech		2.45 days	2.45	425.00	1,041.25
B Kary, Geotech		2.71 days	2.71	425.00	1,151.75
B Robison, GIS & Logistics		0.17 days	0.17	525.00	89.25
E Termuende, Geotech		2.45 days	2.45	425.00	1,041.25
B Wallace, Geologist		2.45 days	2.45	525.00	1,286.25
Total personnel					6,018.50
Disbursements (receipts provided on request)			1	4,096.68	4,096.68
Total disbursements					4,096.68
15% Handling fee - EPL			4,096.68	0.15	614.50
Total other charges					614.50
Equipment Rentals					
Field kits - per day	5	2.45 days	12.25	35.00	428.75
Truck wi insurance - per week Unit#01		0.35 wks	0.35	700.00	245.00
Mileage per km-Unit #01		211 kms	211	0.30	63.30
Trailer Enclosed - per week - Unit #03		0.35 wks	0.35	600.00	210.00
Satelite pbone wi charger - per week	2	0.35 wks	0.7	75.00	52.50

Total

Business Number:	863794905

Phone #	Fax #
250 426-0749	250 426-6899

Payments/Credits

Account Balance

** Accounts overdue in excess of 30 days will be subject to interest charges.*

TerraLogic Exploration Services

TerraLogic Exploration Inc.
#200, 44-12th Ave S
Cranbrook, BC
V1C 2R7

Invoice

Invoice date	Invoice #
10/31/2010	E1613

PAID

Invoice To
Eagle Plains Resources Ltd. #200, 44-12th Ave S Cranbrook, BC V1C 2R7

Period	Property
July-Sep/10	MM

Item	# of Items	Chargable Time	Qty	Rate	Amount
Computer wi printer - per week	2	0.35 wks	0.7	50.00	35.00
Chainsaw - per week		0.35 wks	0.35	45.00	15.75
Radio wi charger - per week	5	0.35 wks	1.75	40.00	70.00
Field Camp - per man - per day	5	2.45 days	12.25	40.00	490.00
Wall tent - per week		0.35 wks	0.35	150.00	52.50
Rock Saw - per week		0.35 wks	0.35	100.00	35.00
Shot gun - per week		0.35 wks	0.35	25.00	8.75
Digital Camera - per week		0.35 wks	0.35	30.00	10.50
Water Pump - per week		0.35 wks	0.35	175.00	61.25
Total equipment charges					1,778.30
Total					12,507.98

Business Number:	863794905

Phone #	Fax #
250 426-0749	250 426-6899

Total	$12,507.98
Payments/Credits	$-12,507.98
Account Balance	$98,946.75

** Accounts overdue in excess of 30 days will be subject to interest charges.*

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East
Vancouver, BC Canada V6A 4A3
Phone 604 253 3158 Fax 604 253 1716
GST # 843013921 RT

Bill To: TerraLogic Exploration Inc.
Suite 200, 44 - 12th Ave. S.
Cranbrook, BC V1C 2R7
Canada

Invoice Date: September 7, 2010
Invoice Number: **VANI057851**
Submitted by: Aaron Higgs
Job Number: WHI10000253
Order Number:
Project Code: MM
Shipment ID: MM10-001
Quote Number:

Item	Package	Description	Sample No.	Unit Price	Amount
1	SS80	Sieve 100g soil to -80 mesh	3	$1.91	$5.73
2	4B02	Total Trace Elements by ICP-MS-Full S	3	$30.94	$92.82
3	DIS-PLP	Warehouse disposition of pulps	3	$0.10	$0.30

PELLY
RE10-001
ANALYTICAL - SOIL
3768
Oct 20/10

Prices reflect discount of 15% where applicable.	Net Total	$98.85
	BC HST	$11.86
	Grand Total CAD	**$110.71**

Invoice Stated In Canadian Dollars

Payment Terms:

This is a professional service. Payment due upon receipt. Please pay the last amount shown on the invoice.

For cheque payments, please remit payment to the above address, made payable to: Acme Analytical Laboratories (Vancouver) Ltd.
Please specify Acme invoice number on cheque remittance.

MM - 34.60

For electronic payments, please wire funds to one of the following accounts:

For payment in Canadian Funds:
Acme Analytical Laboratories (Vancouver) Ltd.
HSBC
885 West Georgia St
Vancouver, BC Canada V6C 3G1
Account # 428755-001
Bank Transit # 10270-016
Swift Code: HKBCCATT

For payment in US Funds:
Acme Analytical Laboratories (Vancouver) Ltd.
HSBC
885 West Georgia St
Vancouver, BC Canada V6C 3G1
Account # 428755-070
Bank Transit # 10270-016
Swift Code: HKBCCATT

Please specify Acme invoice number for reference on transfer forms when making payment.

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East
Vancouver, BC Canada V6A 4A3
Phone 604 253 3158 Fax 604 253 1716
GST # 843013921 RT

Bill To: TerraLogic Exploration Inc.
Suite 200, 44 - 12th Ave. S.
Cranbrook, BC V1C 2R7
Canada

Invoice Date: August 31, 2010
Invoice Number: **VANI057395**
Submitted by: Aaron Higgs
Job Number: WHI10000250
Order Number:
Project Code: MM
Shipment ID: MM10-001
Quote Number:

Item	Package	Description	Sample No.	Unit Price	Amount
1	R200-250	Crush and Pulverize 250 g	17	$5.82	$98.94
2	R200-250	Overweight prep charges per 100g	110	$0.06	$6.60
3	4B02	Total Trace Elements by ICP-MS-Full S	17	$30.94	$525.98
4	DIS-PLP	Warehouse disposition of pulps	17	$0.10	$1.70
5	DIS-RJT	Warehouse disposition of reject	17	$0.25	$4.25

PELLY - RE10-001
ANALYTICAL - ROCK

3737
Sep 20/10

Prices reflect discount of 15% where applicable.	Net Total	$637.47
	BC HST	$76.50
	Grand Total CAD	**$713.97**

Invoice Stated In Canadian Dollars

Payment Terms:

This is a professional service. Payment due upon receipt. Please pay the last amount shown on the invoice.

For cheque payments, please remit payment to the above address, made payable to: Acme Analytical Laboratories (Vancouver) Ltd.
Please specify Acme invoice number on cheque remittance.

For electronic payments, please wire funds to one of the following accounts:

MM- 223.11

For payment in Canadian Funds:
Acme Analytical Laboratories (Vancouver) Ltd.
HSBC
885 West Georgia St
Vancouver, BC Canada V6C 3G1
Account # 428755-001
Bank Transit # 10270-016
Swift Code: HKBCCATT

For payment in US Funds:
Acme Analytical Laboratories (Vancouver) Ltd.
HSBC
885 West Georgia St
Vancouver, BC Canada V6C 3G1
Account # 428755-070
Bank Transit # 10270-016
Swift Code: HKBCCATT

Please specify Acme invoice number for reference on transfer forms when making payment.

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East
Vancouver, BC Canada V6A 4A3
Phone 604 253 3158 Fax 604 253 1716
GST # 843013921 RT

Bill To: TerraLogic Exploration Inc.
Suite 200, 44 - 12th Ave. S.
Cranbrook, BC V1C 2R7
Canada

Invoice Date: September 3, 2010
Invoice Number: **VANI057716**
Submitted by: Aaron Higgs
Job Number: WHI10000249
Order Number:
Project Code: FM
Shipment ID: FM10-001
Quote Number:

Item	Package	Description	Sample No.	Unit Price	Amount
1	R200-250	Crush and Pulverize 250 g	29	$5.82	$168.78
2	R200-250	Overweight prep charges per 100g	196	$0.06	$11.76
3	4B02	Total Trace Elements by ICP-MS-Full St	29	$30.94	$897.26
4	DIS-PLP	Warehouse disposition of pulps	29	$0.10	$2.90
5	DIS-RJT	Warehouse disposition of reject	29	$0.25	$7.25

Analytical - KRL

Pelly REE

3768

Oct 20/10

Prices reflect discount of 15% where applicable.	Net Total		$1,087.95
	BC HST		$130.55
	Grand Total	**CAD**	**$1218.50**

Invoice Stated In Canadian Dollars

Payment Terms:

This is a professional service. Payment due upon receipt. Please pay the last amount shown on the invoice.

For cheque payments, please remit payment to the above address, made payable to: Acme Analytical Laboratories (Vancouver) Ltd.
Please specify Acme invoice number on cheque remittance.

For electronic payments, please wire funds to one of the following accounts:

MM - 380.79

For payment in Canadian Funds:
Acme Analytical Laboratories (Vancouver) Ltd.
HSBC
885 West Georgia St
Vancouver, BC Canada V6C 3G1
Account # 428755-001
Bank Transit # 10270-016
Swift Code: HKBCCATT

For payment in US Funds:
Acme Analytical Laboratories (Vancouver) Ltd.
HSBC
885 West Georgia St
Vancouver, BC Canada V6C 3G1
Account # 428755-070
Bank Transit # 10270-016
Swift Code: HKBCCATT

Please specify Acme invoice number for reference on transfer forms when making payment.

AURORA GEOSCIENCES

Aurora Geosciences Ltd.
3506 McDonald Drive
Yellowknife NT
X1A 2H1

Tel: 867-920-2729 Fax: 867-920-2739

E-mail: accounting@auroraqeosciences.com

Invoice

Date	Invoice #
8/6/2010	9651

Invoice To

TerraLogic Exploration Inc.
Suite 200, 44 - 12th Ave
Cranbrook, BC V1C 2R7

P.O. No.	Project
	TLS-10555-YT Scintillators Rental

Description	Qty	Unit	Rate	Amount	Tax
SCINTILOMETER RENTAL Rental Invoice - July 28 - August 6, 2010					
Scintilometer rental - July 28 - Aug 6	10	Days	114.00	1,140.00T	G
GST on Sales			5.00%	57.00	

Equip Rental
Pelly Ree

3741
Sep 20/10

Approved by:	
Terms	Net 15 Days, 2% Monthly
Bank Info:	RBC Institute #003, Transit #09879, Account #1013606
GST/HST No.	886365816

Subtotal	$1,140.00
GST	$57.00
Total	$1,197.00

MM - 399.00

REMIT PAYMENT TO:

TRANS NORTH HELICOPTERS

TRANS NORTH TURBO AIR LTD.
P.O. Box 8, 115 Range Rd.
Whitehorse, Yukon Canada Y1A 5X9
Tel: (867) 668-2177 - Fax: (867) 668-3420

Terra Logic Exploration
Suite 200
44-12th Ave South
Cranbrook, B.C. V1C 2R7

Aug 1/10

ACCOUNT NUMBER	TERALOG
INVOICE NUMBER	46048
INVOICE DATE	31 07 10
AREA	B.C. ☐ YUKON ☑ NWT ☐ ALTA ☐
A/C TYPE	B-206
AIRCRAFT REGISTRATION C	GMIG
FLIGHT DATE	DAY 31 MONTH 07 YEAR 10
PURCHASE ORDER NO.	

FUEL & OIL-X TNTA	FUEL & OIL-X CUST.	TNTA FUEL USED	HRS./LITRES	FROM
✓			2.2	RR

HOOK INSURANCE DECLINED ☐ INT _____
VALUE _____ ACCEPTED ☐

TNTA'S TARIFF LIMITS THAT TNTA'S LIABILITY FOR LOSS OR DAMAGE TO GOODS CARRIED IS 50¢ PER LB.

FROM / TO	UP	DOWN	HOURS	REMARKS NO. OF PASS
FROM Ross River				
TO Ketza				
Seagull Crk x 2				SET OUT CAMP
Courtier Crk x 3				SET OUT CAMP
Ross River				

SUB	G.L.	AMOUNT
16 15	5502	2299 00
1600	131	351 12
0000	323	132 51

D.G. TRANSPORTED ☐

2.2 @	1045.00	2299	00
HOLDING TIME: @	/ HR.		
FUEL 250.8 LT @	140 / LITRE	351	12
FUEL @	/ LITRE		
MEALS & LODGINGS			
OTHER PELLY RE10-001			
OTHER			
SUB TOTAL 3730		2650	12
GOODS & SERVICES TAX Aug 20/10 REGISTRATION NO. R121483135		132	51
TOTAL $		2782	63

TERMS: PAYABLE UPON RECEIPT OF INVOICE.
2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

X _____
CHARTERER'S SIGNATURE

CHARTERER'S NAME (PRINTED)

INITIALS BLH

PILOT'S SIGNATURE

ENGINEER'S NAME

SHIPPING NAME & QTY.	CLASS	UN #	PACKING GR.

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.
TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

THIS IS YOUR ONLY INVOICE – PAY UPON RECEIPT

MM - 804.65
- 122.89

REMIT PAYMENT TO:

TRANS NORTH HELICOPTERS

TRANS NORTH TURBO AIR LTD.
P.O. Box 8, 115 Range Rd.
Whitehorse, Yukon Canada Y1A 5X9
Tel: (867) 668-2177 - Fax: (867) 668-3420

Terra Logic Exploration
Suite 200
44-12th Ave South
Cranbrook, B.C. V1C 2R7

ACCOUNT NUMBER: TERALOG
INVOICE NUMBER: 46480
INVOICE DATE: 09 08 10
AREA: B.C. ☑ YUKON ☐ NWT ☐ ALTA ☐
A/C TYPE: BH06
AIRCRAFT REGISTRATION C: C M Y G
FLIGHT DATE: DAY 04 MONTH 08 YEAR 10
PURCHASE ORDER NO.

FUEL & OIL		TNTA FUEL USED	HRS./LITRES	FROM
TNTA ✓	CUST.	264 - 5	1.6	FR

HOOK INSURANCE: DECLINED ☐ INT ____
VALUE ____ ACCEPTED ☐

TNTA'S TARIFF LIMITS THAT TNTA'S LIABILITY FOR LOSS OR DAMAGE TO GOODS CARRIED IS 50¢ PER LB.

FROM	TO	UP	DOWN	HOURS	REMARKS NO. OF PASS
Ross River	Seagull Cr. Area	16.02	16:17	0.4	Ferry to Camp
Local - FR		16.36	17:48	1.2	Moc 4 Pax + Mtg Load + Return

SUB	G.L.	AMOUNT
1608	502	1672 00
1600	131	255 36
0000	323	96 37

D.G. TRANSPORTED ☐	1.6 @	1045.00	1672 00	HELI
	@			
HOLDING TIME:	@	/ HR.		
FUEL	182.4 LT @	1.40 / LITRE	255 36	FUEL
FUEL	@	/ LITRE		
MEALS & LODGINGS				
OTHER	PELLY RELOCO			
OTHER				
SUB TOTAL			3730	
GOODS & SERVICES TAX REGISTRATION NO. R121483135			1927 36	
			96 37	
TOTAL	$		2023 73	

MM - 585.20

- 89.37

TERMS: PAYABLE UPON RECEIPT OF INVOICE.
2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

X _____ CHARTERER'S SIGNATURE

CHARTERER'S NAME (PRINTED)

INITIALS PKL PILOTS SIGNATURE

ENGINEER'S NAME

SHIPPING NAME & QTY.	CLASS	UN #	PACKING GR.

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.
TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

THIS IS YOUR ONLY INVOICE – PAY UPON RECEIPT

REMIT PAYMENT TO:

TRANS NORTH HELICOPTERS

TRANS NORTH TURBO AIR LTD.
P.O. Box 8, 115 Range Rd.
Whitehorse, Yukon Canada Y1A 5X9
Tel: (867) 668-2177 - Fax: (867) 668-3420

ACCOUNT NUMBER: TERRA LOG

INVOICE NUMBER: 46482

INVOICE DATE: 09 08 10

AREA: B.C. ☐ YUKON ☒ NWT ☐ ALTA ☐

A/C TYPE: BH06

AIRCRAFT REGISTRATION C: C-MYQ

FLIGHT DATE: DAY 05 MONTH 08 YEAR 10

PURCHASE ORDER NO.

CHAR
Terra Logic Exploration
Suite 200
BILLIN 44-12th Ave South
Cranbrook, B.C. V1C 2R7

FUEL & OIL-X TNTA	CUST.	TNTA FUEL USED	HRS/LITRES	FROM
✓		Jet - B	2.1	RK

HOOK INSURANCE DECLINED ☐ INT _____
VALUE _____ ACCEPTED ☐

TNTA'S TARIFF LIMITS THAT TNTA'S LIABILITY FOR LOSS OR DAMAGE TO GOODS CARRIED IS 50¢ PER LB.

FROM / TO	UP	DOWN	HOURS	REMARKS NO. OF PASS
FROM Ross River TO Mc Connel Cr.	17:32	18:48	1.2	Ferry + Slax + 2 Stops
Local/Katzel	18:56	19:37	0.6	Slax + Geo.
Ross River	19:50	20:05	0.3	Return
				Move out camp!

SUB	G.L.	AMOUNT					
1608	502	2194	50	D.G. TRANSPORTED ☐	2.1 @ 1045.00	2194	50 HELI
1600	131	335	16		@		
				HOLDING TIME:	@ / HR.		
0000	323	126	48	FUEL	239.4 LT @ 1.40 / LITRE	335	16 FUEL
				FUEL	@ / LITRE		
				MEALS & LODGINGS			
				OTHER	PELLY RE 10-001		
				OTHER			
				SUB TOTAL	3730	2529	66
				GOODS & SERVICES TAX Aug 20/10 REGISTRATION NO. R121483135		126	48
				TOTAL	$	2656	14

TERMS: PAYABLE UPON RECEIPT OF INVOICE.
2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

X _____ CHARTERER'S SIGNATURE

CHARTERER'S NAME (PRINTED)

INITIALS PXR _____ PILOTS SIGNATURE

TSE ENGINEER'S NAME Terry Edwards

SHIPPING NAME & QTY.	CLASS	UN #	PACKING GR.

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.
TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

THIS IS YOUR ONLY INVOICE – PAY UPON RECEIPT

MM - 768.07

- 117.31

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AH Credit Card POE-192

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615 Booth St.,/615, rue Booth, room/piece 180
Ottawa, Ontario
K1A 0E9

INTRA# 0410
GST Registration No.
No. d'inscripton de la TPS 121491807

INVOICE TO
FACTURER À

Bootleg Exploration Inc.
Aaron Higgs
Suite #200, 16-11th Ave. S.,
Cranbrook, BC V1C 2P1

SHIP TO:
EXPÉDIER À

Bootleg Exploration Inc.
Aaron Higgs
Suite #200, 16-11th Ave. S.,
Cranbrook, BC V1C 2P1

ENQUIRIES CONCERNING THIS ORDER MUST QUOTE THIS INVOICE NO. ON ALL CORRESPONDENCE

PRIÈRE D'INDIQUER LE NUMERO DE FACTURE DANS TOUTE CORRESPONDANCE

Prov. Sales Tax Cert. No N° de Certificat de Taxe Provinciale	Invoice No. N° de Facture 1092217	Customer Number N° de Compte du Client 000012046
Your Purchase Order Number Votre N° de Bon de Commande	Date 2010/05/10	Order No. N° de Commande O101613

Quantity Shipped Quantité Expédier	DESCRIPTION	Retail Price Prix Régulier	Discount Escompte	Selling Price Prix de vente	Priority Chg. Frais Pri.	Total
23	2912 (Digital scanned images (5 to 19) - 600 dpi - monochrome)	29.99	0.00	29.99	0.00	689.77

Fire-Ice (1 photo) $31.49 (29.99)
MM (1 photo) = $31.49 (29.99)
Pennington (3 photos) = $94.47 (89.97)
Sprogge (2 photos) = $62.98 (59.98)
Kiwi (4 photos) = $125.96 (119.96)
Dragon Lake (2 photos) = $62.98 (59.98)
Ivor (3 photos) = $94.47 (89.97)
Christina (2 photos) = $62.98 (59.98)
Little Owl (2 photos) = $62.98 (59.98)
Fer-Hat (3 photos) = $94.47 (89.97)

PLEASE MAKE CHEQUES OR MONEY ORDERS PAYABLE IN CANADIAN FUNDS TO: RECEIVER GENERAL FOR CANADA
C/O SALES ACCOUNTING OFFICE
CANADA MAP OFFICE & NATIONAL AIR PHOTO LIBRARY
615 BOOTH STREET, ROOM 180
OTTAWA, CANADA, K1A 0E9
INTEREST WILL BE CHARGED DAILY ON PAST DUE ACCOUNT.
ENQUIRIES: TEL. 1-800-465-6277 (CANADA AND USA)
FAX 1-800-661-6277 (CANADA AND USA)
(613) 957-8861

PRIERE DE FAIRE VOS CHÈQUES OU MANDATS EN DEVISES CANADIENNES À L'ORDRE DU: RECEVEUR GÉNÉRAL DU CANADA
A/S BUREAU DE LA COMPTABILITÉ DES VENTES
BUREAU DES CARTES DU CANADA
ET PHOTOTHÈQUE NATIONALE DE L'AIR
615 BOOTH STREET, ROOM 180
OTTAWA, CANADA, K1A 0E9
UN INTÉRÊT QUOTIDIEN SERA APPLIQUÉ AU COMPTE EN SOUFFRANCE
ENQUÊTES: TEL. 1-800-465-6277 (CANADA & É.U.)
FAX 1-800-661-6277 (CANADA & É.U.)
(613) 957-8861

TERMS/TERMES
Payable upon receipt / Payable à la réception

INTEREST/INTÉRÊT
Bank of CANADA rate plus three percent (3%)
Taux de la Banque du CANADA plus trois pourcent (3%).

SALES CLERK/ COMMIS DES VENTES
DANBROWN

	Sub-Total / Sous-Total	689.77
	GST/TPS (5.0%)	34.49
	Total	724.26
Credit Card/Carte de Credit	Payment Received / Paiement reçu	724.26
	Balance/Solde	**0.00**

INVOICE 2010/05/10 NR 063

CLIENT COPY / COPIE CLIENT

FACTURE

APPENDIX III – GEOCHEMICAL PROTOCOL

3.1 Geochemistry- Field sampling techniques

The purpose of rock and stream silt sampling at Fire-Ice and MM properties was to locate areas with elevated base metals and high-tech metals, as well as other potential pathfinder elements, in order to assess the overall economic potential of the area.

Rock samples were collected in the field by placing 1-3 kg of material in heavy grade plastic sample bags with the sample number written on both sides in permanent marker. Each sample bag was then sealed with a plastic cable tie and samples were transported back to camp at the end of each day. A representative piece of each sample was often collected and returned to camp for further examination in the event of an interesting or exceptional analytical result.

Silt samples were collected from active creeks whenever possible. Silt samples were placed and sealed into brown paper kraft bags. Samples were dried in the field daily, weather permitting. Relevant details pertaining to the soil and silt samples such as location parameters, depth, horizon, quality, were recorded by the sampler in the field.

Sample sites were marked in the field with orange or pink arctic-grade flagging and an aluminum tag, both having been marked with the appropriate sample number. Sample locations were determined by hand-held GPS set to report locations in UTM coordinates using the North American datum established in 1983 (NAD 83). The Ice River property lies within UTM zone 08N. Thus, all maps, figures and UTM coordinates referring to herein may be assumed to reference UTM NAD 83 zone 08N.

All surface geochemical samples were collected by company geologists or sampling technician employees trained by TerraLogic Exploration staff geologists. Once returned to camp, samples were organized, dried and catalogued and then placed in poly woven “rice” bags. All rock and silt samples were sent for analysis at ACME labs in Vancouver BC.

3.2 Geochemistry- Analytical techniques

All samples were sent to ACME Laboratories in Vancouver BC, which is a certified lab under the Assayers Certification Program of British Columbia. Rock and silt samples were analyzed using the *Group 4B* package which is a two part analysis. Rare earth and refractory elements are determined by ICP mass spectrometry (ICP-MS) following a Lithium metaborate/tetraborate fusion; while precious and base metals are determined using the 1Dx package by aqua regia digestion followed by ICP-MS. All samples were collected, handled, catalogued and prepared for shipment by TerraLogic Exploration staff.

2010 Analyses by Acme Labs (http://www.acmelab.com)

Package	Elements
Group 4B: LiBO2 Fusion + Nitric Acid ICP-MS - 5g	Be,Co,Cs,Ga,Hf,Nb,Rb,Sn,Sr,Ta,Th,U,V,W ,Zr,Y, La,Ce,Pr,Nd,Sm,Eu,Gd,Tb,Dy,Ho,Er, Tm,Yb,Lu

Appendix IV – Sample Locations and Descriptions

4.1a – Rock Samples – MM
4.1b – Rock Samples – Fire-Ice
4.2 – Silt Samples - MM

Appendix 4.1 - Rock Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Channel (m)*	*Channel (Az)*	*Map Unit*	*Rock Type - Major*	*Rock Type - Minor*	*Colour - Fresh*	*Colour - Weathered*	*Grain Size*	*Texture*	*Metamorphic Indicator*	*Mineralization - Major*	*Mineralization - Minor*	*Mineralization Style*	*Min. %*	*Alteration*	*Alt. Degree*	*Rock Description*
LJMMR001	LJ	8/2/2010	625981	6816418				Felsic Metavolcanic	Int Volcanic	white	greyish	fine-medium	banded					0		0	Sampled felsic metavolcanics near contact with mafics. contains veinlets of galena that are paraelle with banded texture, along with belbs and disseminated sections. total estimated percent of mineralization 3%.
LJMMR002	LJ	8/2/2010	616418	6816411				Volcaniclastic rock		greenish	brownish	fine-medium	aphanitic					0		0	sample of mafics with semi massiveto disseminated pyrite, up to 5%. sample had scint count 25000/min. which is anomlus for area. sample came from fault/ fracture zone.
LJMMR003	LJ	8/2/2010	626126	6816580				Felsic Metavolcanic										0		0	
LJMMR004	LJ	8/2/2010	625844	6816150				Greenstone	Int Volcanic									0		0	
LJMMR005	LJ	8/2/2010	625756	6816160				Felsic Metavolcanic	Felsic Schist									0		0	
LJMMR006	LJ	8/2/2010	625799	6816162				Felsic Metavolcanic	Int Volcanic	white	greyish	fine-medium	equigranular					0		0	Sampled intermediate volcanic with fi ne to medium grain size , no sulphide mineralization. scint count 25000(max). larger grain size could indicate intrusive origin
LJMMR007	LJ	8/2/2010	625671	6815886				Syenite		bluish	brownish	fine-medium	porphyritic					0		0	Sampled margin of synite dike. scint count 20000count/min (max). mineralization bleby to disseminate pyrite and pryyhotite.
LJMMR008	LJ	8/2/2010	625652	6815878				Diorite		grey	brownish	medium	equigranular					0		0	Sampled medium grained intrusive.
LJMMR009	LJ	8/2/2010	625636	6815890				Syenite	Greenstone	greenish	grey	fine-medium	equigranular					0		0	Sampled synite. minerization of very fine disseminated pyrite. scint count 18000counts/min.
LJMMR010	LJ	8/2/2010	625603	6816011				Greenstone		greenish	brownish	fine	aphanitic					0		0	Followed up on sample TMMMR003 and resampled. had elevated La in assay. increased scint count of 15000. minerlization of pyrite and copper staining. possible specs of borinite
LJMMR011	LJ	8/3/2010	624896	6815850				Schist		grey green	grey	fine	foliated					0		0	Sampled quarzt serecite schist along margin of contact between green stone. schist is extensivly folded and fractured. there is no sulphide minerailzation in schist. Scint count 31000/min (max)
LJMMR012	LJ	8/3/2010	624898	6815860				Volcaniclastic rock		dark	black	fine	aphanitic					0		0	Sampled mafic volcanic. N of contact between felsic - int. sampled rock is from local fracture zone. possible copper staining. scint count 33000/min
LJMMR013	LJ	8/4/2010	625412	6815998				Volcaniclastic rock		dark	brownish	fine-medium	aphanitic					0		0	Sampled mafix volcanic rock. near contact between qzt serecite schist. mineralization of disseminated pyrite and pryyhotite up to 2% . scint count up to 25000/min(max)
LJMMR014	LJ	8/4/2010	625336	6815976				Meta-Intrusive		greenish	greyish	coarse	foliated					0		0	Samled intrusive. along contact between mafic volcanic. minerization of banded to bleby magintite, pryyhotite and pyrite . scint count 9000
LJMMR015	LJ	8/4/2010	625336	6815976				Volcaniclastic rock		dark	brownish	fine	aphanitic					0		0	Sampled mafic unit on margin of contact with intermediate intrusive that was sampled in LJMMR014. minor pyrire and pryyhotite found in mafic unit along with scint count up to 28000(max)
LJMMR016	LJ	8/4/2010	624737	6815775				Volcaniclastic rock		bluish	rusty	fine	aphanitic					0		0	Sampled massive sulphide containing pyrite, pryyhotite and borinite. area is 10cm wide and 0.5m long. with rough orentation of 236/80. minerilized area occurs along local fracture zone in the mafic volcanics.back ground scint count of 10000. sample contains suphide material only.
LJMMR017	LJ	8/4/2010	625015	6815885				Schist		light grey	brownish	fine	foliated					0		0	Sampled meta volcanic. with bleby style pyrite minerlization. scint count 30000/min (max)

Appendix 4.1b - Rock Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Channel (m)*	*Channel (Az)*	*Map Unit*	*Rock Type - Major*	*Rock Type - Minor*	*Colour - Fresh*	*Colour - Weathered*	*Grain Size*	*Texture*	*Metamorphic Indicator*	*Mineralization - Major*	*Mineralization - Minor*	*Mineralization Style*	*Min. %*	*Alteration*	*Alt. Degree*	*Rock Description*
BKFMR001	BK	8/1/2010	635863	6833433				Dacite		grey green		very fine						0		0	Flt within qtz stockworck
BKFMR002	BK	8/1/2010	635716	6833922				Dacite		grey green		very fine						0		0	
BKFMR003	BK	2/8/2010	635012	6833141	0			Argillite					foliated							0	well foliated agillite with disseminated oxide, non magnetic
BKFMR004	BK	2/8/2010	634580	6832747	0			Dacite					foliated						Serpentinized	0	vein of serptentine alteration with malachite staining
BKFMR005	BK	3/8/2010	635776	6834182	0			Tuff				very fine	foliated							0	taken from same location as historic rock sample with high Niobyum
BKFMR006	BK	4/8/2010	631982	6833276	0			Tuff					foliated							0	Near Syenite, with peak scint cpm:700 and bkgr:400 assay: TOT 2256cpm, K 429cpm, U 0cpm, Th 166cpm, TOT 385.7ppm
BKFMR007	BK	4/8/2010	631692	6833111	0			Syenite		dark green	dark purple	very fine								0	scint peak: 380, background: 300, assay TOT 1367cpm, K 347cpm, U 0cpm, Th 119cpm, TOT 233.3ppm
BKFMR008	BK	4/8/2010	631648	6833006	0			Syenite	Tuff											0	interfingering of tuff and syenite, assay: TOT 1770cpm, K 448cpm, U 0cpm, Th 115cpm. TOT 302.7ppm
BWFMR001	BW	8/1/2010	635735.04	6833865.1				Basalt	Dacite	dark grey	brownish	fine	aphanitic					0		0	
BWFMR002	BW	8/1/2010	635738.8	6833865.5				Volcaniclastic rock	Tuff	brownish	rusty	fine	massive					0		0	Cu staining
BWFMR003	BW	8/1/2010	635718.5	6833999.6				Volcaniclastic rock	Lithic Tuff	greenish	brown	fine-medium	banded					0		0	
BWFMR004	BW	8/2/2010	634307.64	6832674				Serpentinite	Dacite	green	greenish	medium	veined					0		0	8cm thick bed, continuous along strike
BWFMR005	BW	8/2/2010	634207.61	6832651.5				Syenite	Contact - Lithologic	dark grey	dark grey	fine-medium	veined					0		0	Right at contact, 2m thick zone, continues along contact
BWFMR006	BW	8/3/2010	635839.76	6833942.8	0.5	30		Tuff		greenish	brown	fine-medium	fractured					0		0	Some pyr, mostly serpentine, also pink mineral
BWFMR007	BW	8/3/2010	635771	6834043	1	30		Tuff		greyish	brownish	fine-medium	fractured					0		0	
BWFMR008	BW	8/4/2010	631785.95	6833095.7	0.6	30		Tuff		green	grey	fine-medium	laminated					0		0	Chip across layers
BWFMR009	BW	8/4/2010	631785.94	6833047.2				Tuff		dark grey	rusty	fine	fractured					0		0	
BWFMR010	BW	8/4/2010	631766.58	6832845				Tuff		greenish	rusty	fine-medium	clast within					0		0	
BWFMR011	BW	8/5/2010	635796.14	6833314.7	1	120		Dacite	Tuff	greenish	brown	fine-medium	granular					0		0	
BWFMR012	BW	8/5/2010	635826.56	6833391.9	1	80		Dacite		greenish	yellowish	fine	fractured					0		0	Upper chip
BWFMR013	BW	8/5/2010	635826.56	6833391.9	1	80		Dacite		greenish	yellowish	fine	fractured					0		0	Lower chip
BWFMR014	BW	8/5/2010	635838.06	6833399	1.2	100		Dacite	Tuff	green	brown	medium	fractured					0		0	
BWFMR015	BW	8/5/2010	635910.31	6833236.3	3	140		Dacite	Tuff	greenish	brown	fine-medium	clast within					0		0	
ETFMR001	ET	8/1/2010	635556	6834205				Volcaniclastic rock	Tuff	grey	dark grey	fine-medium	banded					0		0	
ETFMR002	ET	8/1/2010	635471	6834107				Tuff	Chert									0		0	
ETFMR003	ET	8/2/2010	634573	6832744				Serpentinite	Dacite	grey	yellowish							0		0	
LJCAR001	LJ	8/5/2010	630935	6830114				Syenite		bluish	grey	medium-coarse	aphyric					0		0	Sampled syenite along contact with meta volcanic. trace amounts of pyrite. scint count 15000/min.
LJCAR002	LJ	8/5/2010	630992	6829875				Felsic Metavolcanic	Int Volcanic	light	rusty	fine	aphanitic					0		0	Sampled felsic- intermediate meta volcanic near syenite contact. no minerlization. scint count 7000/min.
LJCAR003	LJ	8/5/2010	630963	6829930				Syenite		greyish	dark grey	medium-coarse	aphyric					0		0	Sampled syenite. scint count 11000/min. trace pyrite minerlization.
LJFMR001	LJ	8/5/2010	630935	6830114				Syenite		bluish	grey	medium-coarse	aphyric					0		0	Sampled syenite along contact with meta volcanic. trace amounts of pyrite. scint count 15000/min.
LJFMR002	LJ	8/5/2010	630992	6829875				Felsic Metavolcanic	Int Volcanic	light	rusty	fine	aphanitic					0		0	Sampled felsic- intermediate meta volcanic near syenite contact. no minerlization. scint count 7000/min.
LJFMR003	LJ	8/5/2010	630963	6829930				Syenite		greyish	dark grey	medium-coarse	aphyric					0		0	Sampled syenite. scint count 11000/min. trace pyrite minerlization.

Appendix 4.2 - Silt Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Turbitiy*	*Depth (cm)*	*Size (1-5)*	*Quality (1-5)*
LJMMS001	LJ	8/4/2010	625028	6816198	VERY LOW	5	4	4
LJMMS002	LJ	8/4/2010	625237	6816218	HIGH	15	3	3
LJMMS003	LJ	8/5/2010	625453	6816246	HIGH	5	5	5

Appendix V – Analytical Certificates

5.1 – Rock Samples
5.2 - Silt Samples

5.1 – Rock Samples

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada

www.acmelab.com

Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Submitted By: Aaron Higgs
Receiving Lab: Canada-Whitehorse
Received: August 13, 2010
Report Date: September 02, 2010
Page: 1 of 2

CERTIFICATE OF ANALYSIS WHI10000253.1

CLIENT JOB INFORMATION

Project: MM
Shipment ID: MM10-001
P.O. Number
Number of Samples: 3

SAMPLE DISPOSAL

RTRN-PLP Return
DISP-RJT-SOIL Immediate Disposal of Soil Reject

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	3	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	3	Dry at 60C			WHI
4B02	3	LiBO2/Li2B4O7 fusion ICP-MS analysis	0.2	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: TerraLogic Exploration Inc.
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7
Canada

CC: Chris Gallagher

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Project: MM
Report Date: September 02, 2010

CERTIFICATE OF ANALYSIS WHI10000253.1

Method		WGHT	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B
Analyte		Wgt	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.01	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1
LJMMS001	Silt		1234	<1	5.7	5.9	9.9	6.2	52.9	34.8	4	106.5	3.2	14.1	5.0	34	2.2	278.9	42.9	90.6	182.1
LJMMS002	Silt		7481	4	6.2	7.9	24.7	22.3	221.8	75.5	9	115.8	12.2	45.0	10.4	39	4.2	898.1	73.8	151.4	301.7
LJMMS003	Silt		8586	6	2.5	4.8	27.6	23.5	287.2	91.1	9	97.7	17.8	55.3	13.7	27	6.0	991.9	188.4	518.5	680.7

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Cranbrook BC V1C 2R7 Canada

Project: MM
Report Date: September 02, 2010

CERTIFICATE OF ANALYSIS WHI10000253.1

	Method	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.1	0.1	0.1	1	0.1	0.5	0.1	0.1
LJMMS001	Silt	19.72	66.5	11.14	1.60	9.56	1.74	8.67	1.64	4.16	0.64	3.19	0.56	3.4	77.7	541.0	2255	11.7	45.6	9.8	1.2
LJMMS002	Silt	30.53	100.2	16.13	1.83	13.33	2.37	13.25	2.64	8.04	1.12	6.77	1.15	9.3	70.8	525.4	1543	20.7	72.3	6.1	3.4
LJMMS003	Silt	102.1	329.9	49.89	5.63	45.10	7.34	40.00	7.17	18.00	2.12	12.40	1.72	13.1	139.8	465.8	2631	8.0	83.7	15.6	5.6

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CERTIFICATE OF ANALYSIS WHI10000253.1

Method		1DX	1DX	1DX	1DX	1DX	1DX
Analyte		Bi	Ag	Au	Hg	Tl	Se
Unit		ppm	ppm	ppb	ppm	ppm	ppm
MDL		0.1	0.1	0.5	0.01	0.1	0.5
LJMMS001	Silt	0.6	1.2	2.6	0.08	0.3	1.8
LJMMS002	Silt	0.6	1.9	4.4	0.21	0.7	2.7
LJMMS003	Silt	1.0	1.7	7.0	0.11	1.0	5.6

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Project: MM
Report Date: September 02, 2010

QUALITY CONTROL REPORT WHI10000253.1

	Method	WGHT	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B
	Analyte	Wgt	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1
Pulp Duplicates																					
LJMMS001	Silt		1234	<1	5.7	5.9	9.9	6.2	52.9	34.8	4	106.5	3.2	14.1	5.0	34	2.2	278.9	42.9	90.6	182.1
REP LJMMS001	QC		1261	2	5.3	5.8	11.2	6.8	52.6	34.6	3	106.1	3.0	14.2	4.4	34	1.9	274.7	42.6	91.6	180.6
Reference Materials																					
STD DS7	Standard																				
STD OREAS45PA	Standard																				
STD SO-18	Standard		521	<1	28.1	7.3	17.1	9.4	21.0	30.2	15	416.5	7.0	10.7	17.1	225	14.7	296.5	32.4	13.4	29.2
STD SO-18	Standard		519	<1	28.7	7.1	17.5	9.7	21.8	29.7	15	412.6	7.4	11.5	17.6	219	14.6	297.0	32.5	13.2	29.5
STD SO-18 Expected			514	1	26.2	7.1	17.6	9.8	21.3	28.7	15	407.4	7.4	9.9	16.4	200	14.8	280	31	12.3	27.1
STD DS7 Expected																					
STD OREAS45PA Expected																					
BLK	Blank		<1	<1	<0.2	<0.1	<0.5	<0.1	<0.1	<0.1	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	1.2	<0.1	<0.1	<0.1
BLK	Blank																				

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QUALITY CONTROL REPORT WHI10000253.1

	Method	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.1	0.1	0.1	1	0.1	0.5	0.1	0.1
Pulp Duplicates																					
LJMMS001	Silt	19.72	66.5	11.14	1.60	9.56	1.74	8.67	1.64	4.16	0.64	3.19	0.56	3.4	77.7	541.0	2255	11.7	45.6	9.8	1.2
REP LJMMS001	QC	19.57	65.0	11.24	1.43	9.90	1.60	8.87	1.58	4.11	0.53	3.00	0.44								
Reference Materials																					
STD DS7	Standard													22.1	112.6	70.9	411	57.8	46.2	6.8	4.0
STD OREAS45PA	Standard													0.8	595.4	19.4	120	292.7	3.6	<0.1	0.1
STD SO-18	Standard	3.65	13.9	2.86	0.92	2.97	0.53	3.16	0.67	1.92	0.28	1.88	0.30								
STD SO-18	Standard	3.66	14.1	2.93	0.91	3.09	0.54	3.28	0.65	1.91	0.28	1.87	0.30								
STD SO-18 Expected		3.45	14	3	0.89	2.93	0.53	3	0.62	1.84	0.27	1.79	0.27								
STD DS7 Expected														20.5	109	70.6	411	56	48.2	6.4	4.6
STD OREAS45PA Expected														0.9	600	19	119	281	4.2	0.09	0.13
BLK	Blank	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01								
BLK	Blank													<0.1	<0.1	<0.1	<1	<0.1	<0.5	<0.1	<0.1

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QUALITY CONTROL REPORT WHI10000253.1

		Method	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	Bi	Ag	Au	Hg	Tl	Se
		Unit	ppm	ppm	ppb	ppm	ppm	ppm
		MDL	0.1	0.1	0.5	0.01	0.1	0.5
Pulp Duplicates								
LJMMS001	Silt		0.6	1.2	2.6	0.08	0.3	1.8
REP LJMMS001	QC							
Reference Materials								
STD DS7	Standard		5.0	1.0	56.3	0.22	4.0	3.2
STD OREAS45PA	Standard		0.2	0.3	46.2	0.02	<0.1	<0.5
STD SO-18	Standard							
STD SO-18	Standard							
STD SO-18 Expected								
STD DS7 Expected			4.5	0.9	70	0.2	4.2	3.5
STD OREAS45PA Expected			0.18	0.3	43	0.03	0.07	0.54
BLK	Blank							
BLK	Blank		<0.1	<0.1	<0.5	<0.01	<0.1	<0.5

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Submitted By: Aaron Higgs
Receiving Lab: Canada-Whitehorse
Received: August 13, 2010
Report Date: August 30, 2010
Page: 1 of 2

CERTIFICATE OF ANALYSIS WHI10000250.1

CLIENT JOB INFORMATION

Project: MM
Shipment ID: MM10-001
P.O. Number
Number of Samples: 17

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	17	Crush, split and pulverize 250 g rock to 200 mesh			WHI
4B02	17	LiBO2/Li2B4O7 fusion ICP-MS analysis	0.2	Completed	VAN

SAMPLE DISPOSAL

RTRN-PLP Return
DISP-RJT Dispose of Reject After 90 days

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

ADDITIONAL COMMENTS

Samples LJMMR015 to LJMMR017 are qualitative analysis due to contamination (broken bags)

Invoice To: TerraLogic Exploration Inc.
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7
Canada

CC: Chris Gallagher

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Project: MM
Report Date: August 30, 2010

CERTIFICATE OF ANALYSIS WHI10000250.1

Method		WGHT	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B
Analyte		Wgt	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.01	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1
LJMMR001	Rock	2.49	>50000	<1	0.9	0.3	15.5	13.4	141.3	92.0	4	329.2	8.9	18.3	4.9	<8	2.4	608.0	43.3	84.5	156.8
LJMMR002	Rock	1.11	6351	13	1.2	1.4	38.4	77.4	564.3	117.9	25	42.1	43.4	120.0	32.2	25	8.2	3154	236.2	421.6	862.3
LJMMR003	Rock	2.57	>50000	2	1.4	0.4	9.2	6.3	47.5	15.0	5	2090	4.5	8.5	3.0	37	4.9	217.5	18.0	57.5	90.1
LJMMR004	Rock	1.42	845	17	2.6	2.5	44.8	44.4	442.4	34.7	14	191.7	28.9	41.1	14.7	15	5.1	1848	137.8	123.8	230.3
LJMMR005	Rock	1.69	1382	22	1.3	8.6	72.2	61.9	591.7	177.5	22	40.2	37.7	76.3	27.3	49	7.9	2703	184.1	285.2	566.3
LJMMR006	Rock	1.16	2202	12	1.4	15.3	43.2	43.1	352.0	118.2	16	37.5	27.1	51.6	16.6	<8	2.9	1442	96.7	186.9	367.5
LJMMR007	Rock	1.54	1564	5	3.2	3.3	38.3	33.5	365.0	190.4	14	57.4	20.9	82.4	20.3	<8	5.5	1447	98.6	238.4	446.6
LJMMR008	Rock	1.45	408	1	0.8	1.0	29.4	18.4	177.9	26.6	5	30.6	10.8	34.0	9.2	9	3.9	773.2	61.8	114.7	221.0
LJMMR009	Rock	1.07	1715	4	8.1	9.2	30.8	27.9	298.9	175.4	8	170.7	17.5	75.6	20.1	<8	3.1	1291	98.9	225.6	413.5
LJMMR010	Rock	1.71	1541	4	1.1	1.7	33.2	35.0	431.3	107.7	9	39.9	27.2	56.4	8.8	<8	2.1	1559	126.0	302.6	570.3
LJMMR011	Rock	1.44	1081	9	0.2	4.5	51.9	71.1	665.8	123.7	25	92.2	41.7	110.0	37.9	<8	5.2	2959	269.9	403.3	800.8
LJMMR012	Rock	1.40	897	10	<0.2	16.9	64.9	88.4	873.4	171.5	30	137.4	54.2	141.3	34.4	<8	5.8	3727	301.3	504.6	1023
LJMMR013	Rock	1.79	2155	4	0.6	2.6	28.6	67.7	612.0	42.4	20	26.5	38.4	106.7	30.7	<8	17.3	3021	214.0	172.3	497.1
LJMMR014	Rock	1.93	17517	6	4.1	3.3	33.5	17.4	182.3	91.3	11	111.4	12.0	25.3	7.0	<8	13.7	769.7	72.0	260.7	414.9
LJMMR015	Rock	1.50	5916	9	1.1	2.4	43.1	98.4	814.3	53.2	33	54.6	56.5	154.6	41.2	16	21.1	4097	304.2	568.0	1104
LJMMR016	Rock	1.66	64	<1	46.4	1.0	2.0	0.2	1.4	1.6	<1	1.5	0.2	0.4	2.5	9	<0.5	8.4	10.6	8.4	17.0
LJMMR017	Rock	1.23	1074	8	0.6	2.7	61.2	84.0	790.2	135.0	25	22.9	49.9	127.0	26.9	<8	5.8	3487	228.0	324.4	686.3

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Project: MM
Report Date: August 30, 2010

CERTIFICATE OF ANALYSIS WHI10000250.1

	Method	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.1	0.1	0.1	1	0.1	0.5	0.1	0.1
LJMMR001	Rock	16.11	56.1	8.54	*	6.96	1.26	7.35	1.52	4.89	0.69	4.55	0.68	3.2	235.1	>10000	>10000	0.1	2.2	107.2	31.3
LJMMR002	Rock	83.53	283.1	43.92	4.08	39.14	6.96	41.30	8.37	25.37	3.66	23.49	3.29	20.9	36.6	306.5	3637	6.0	11.9	17.7	1.1
LJMMR003	Rock	8.79	28.1	3.50	<0.02	3.76	0.53	2.96	0.70	1.92	0.28	1.75	0.26	16.5	416.6	14.2	>10000	5.1	88.6	161.3	4.2
LJMMR004	Rock	23.32	79.0	13.47	1.38	14.07	3.17	21.27	4.77	14.74	2.17	13.48	1.99	12.2	2.1	19.4	65	6.5	11.4	<0.1	0.5
LJMMR005	Rock	59.00	202.8	32.47	3.41	28.76	5.28	31.81	6.60	20.03	2.94	19.50	2.84	6.5	9.9	1213	69	3.0	17.9	0.3	1.1
LJMMR006	Rock	38.31	128.7	20.97	1.98	18.28	3.30	19.13	3.74	11.03	1.59	10.21	1.39	2.1	4.3	65.4	38	0.7	5.6	<0.1	0.4
LJMMR007	Rock	43.97	143.0	20.25	1.07	16.28	2.92	16.58	3.31	10.10	1.47	9.71	1.42	12.2	4.6	14.5	272	16.9	1.7	1.0	0.2
LJMMR008	Rock	22.92	79.0	12.93	1.04	10.97	1.87	11.06	2.18	6.17	0.95	6.05	0.88	4.8	12.0	349.8	48	1.6	718.9	0.3	0.4
LJMMR009	Rock	42.46	137.5	20.41	1.48	17.61	3.02	17.27	3.22	9.38	1.41	9.00	1.29	7.6	21.5	361.3	892	51.6	36.7	11.2	0.3
LJMMR010	Rock	59.37	206.3	30.66	2.80	24.41	4.11	23.41	4.48	13.20	1.94	13.14	1.88	0.4	4.6	17.2	54	2.4	10.6	<0.1	0.1
LJMMR011	Rock	85.05	306.5	49.57	5.20	45.76	8.03	47.54	9.29	26.72	3.88	25.01	3.48	17.4	1.8	31.8	25	0.2	5.5	0.1	0.4
LJMMR012	Rock	108.6	388.7	60.76	6.40	53.96	9.31	54.01	10.70	30.81	4.36	28.30	3.94	6.4	4.4	7.1	49	<0.1	13.9	<0.1	0.3
LJMMR013	Rock	60.40	230.1	39.69	4.48	37.48	6.50	38.29	7.55	21.70	3.18	20.46	2.82	2.1	20.0	8.5	159	0.7	3.8	0.3	0.1
LJMMR014	Rock	44.35	149.5	21.41	3.07	17.78	2.74	14.26	2.55	7.16	1.04	6.83	0.96	17.7	38.6	19.5	1009	2.0	4.2	3.7	0.3
LJMMR015	Rock	118.7	427.0	67.06	5.09	58.47	9.74	57.75	11.19	32.15	4.60	29.85	4.11	3.5	15.0	17.5	446	2.1	3.8	1.4	0.4
LJMMR016	Rock	1.93	7.6	1.31	0.17	1.37	0.26	1.46	0.33	0.92	0.15	0.93	0.13	0.8	935.0	114.1	3220	93.0	52.6	16.3	4.7
LJMMR017	Rock	69.31	254.8	42.92	4.44	39.45	7.01	41.92	8.52	24.94	3.69	24.60	3.50	7.7	5.5	40.8	29	0.3	16.6	<0.1	1.2

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Project: MM
Report Date: August 30, 2010

CERTIFICATE OF ANALYSIS WHI10000250.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Bi	Ag	Au	Hg	Tl	Se
	Unit	ppm	ppm	ppb	ppm	ppm	ppm
	MDL	0.1	0.1	0.5	0.01	0.1	0.5
LJMMR001	Rock	<0.1	28.6	9.7	1.39	0.2	<0.5
LJMMR002	Rock	0.4	0.6	1.8	0.11	0.7	<0.5
LJMMR003	Rock	1.4	0.4	16.8	0.82	1.8	1.6
LJMMR004	Rock	0.6	0.2	2.4	0.04	0.1	<0.5
LJMMR005	Rock	4.7	4.7	5.5	0.02	0.2	<0.5
LJMMR006	Rock	0.4	0.3	1.3	0.02	1.2	<0.5
LJMMR007	Rock	0.1	<0.1	2.3	0.02	0.4	<0.5
LJMMR008	Rock	5.3	2.7	1.5	0.01	0.1	0.7
LJMMR009	Rock	4.1	3.1	2.4	0.03	0.9	3.6
LJMMR010	Rock	0.1	0.2	1.5	0.02	0.3	<0.5
LJMMR011	Rock	0.5	0.3	2.9	0.01	0.2	<0.5
LJMMR012	Rock	<0.1	0.2	<0.5	<0.01	0.4	<0.5
LJMMR013	Rock	0.8	0.2	<0.5	0.01	0.5	<0.5
LJMMR014	Rock	1.2	0.1	1.7	0.01	0.7	1.2
LJMMR015	Rock	1.2	0.1	1.5	0.02	0.3	<0.5
LJMMR016	Rock	0.7	5.8	7.1	0.15	0.6	49.6
LJMMR017	Rock	0.3	0.5	1.3	<0.01	0.1	<0.5

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Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Project: MM
Report Date: August 30, 2010

QUALITY CONTROL REPORT WHI10000250.1

	Method	WGHT	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B
	Analyte	Wgt	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1
Pulp Duplicates																					
LJMMR008	Rock	1.45	408	1	0.8	1.0	29.4	18.4	177.9	26.6	5	30.6	10.8	34.0	9.2	9	3.9	773.2	61.8	114.7	221.0
REP LJMMR008	QC		411	2	0.9	1.0	31.0	16.4	178.4	26.8	5	31.6	11.5	34.2	9.2	8	3.8	767.8	60.8	117.6	226.9
LJMMR012	Rock	1.40	897	10	<0.2	16.9	64.9	88.4	873.4	171.5	30	137.4	54.2	141.3	34.4	<8	5.8	3727	301.3	504.6	1023
REP LJMMR012	QC																				
LJMMR016	Rock	1.66	64	<1	46.4	1.0	2.0	0.2	1.4	1.6	<1	1.5	0.2	0.4	2.5	9	<0.5	8.4	10.6	8.4	17.0
REP LJMMR016	QC		59	<1	47.2	1.0	1.6	0.2	1.2	1.6	<1	1.4	0.1	0.5	2.7	16	<0.5	8.6	10.8	7.9	16.3
Reference Materials																					
STD DS7	Standard																				
STD OREAS45PA	Standard																				
STD SO-18	Standard		498	1	25.2	6.7	17.0	9.4	20.3	27.4	14	387.5	7.2	9.7	15.7	200	14.4	281.4	30.0	11.5	25.6
STD SO-18	Standard		489	1	25.4	6.6	17.5	9.5	20.7	27.4	14	391.8	7.1	9.4	16.0	202	14.5	278.0	29.5	11.3	25.2
STD SO-18	Standard		494	<1	25.1	6.8	16.3	9.3	19.3	27.1	14	383.8	7.1	9.9	15.0	196	14.2	278.1	29.1	11.4	25.3
STD SO-18	Standard		484	<1	25.7	6.8	16.5	9.3	19.4	27.0	14	389.1	7.0	9.8	15.4	197	14.0	280.5	29.2	11.3	25.9
STD SO-18 Expected			514	1	26.2	7.1	17.6	9.8	21.3	28.7	15	407.4	7.4	9.9	16.4	200	14.8	280	31	12.3	27.1
STD DS7 Expected																					
STD OREAS45PA Expected																					
BLK	Blank		<1	<1	<0.2	<0.1	<0.5	<0.1	<0.1	<0.1	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	1.2	<0.1	<0.1	<0.1
BLK	Blank		<1	<1	<0.2	<0.1	<0.5	<0.1	<0.1	<0.1	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1
BLK	Blank																				
Prep Wash																					
G1	Prep Blank		1041	3	4.7	4.8	19.6	4.1	25.6	135.2	1	753.5	1.5	12.5	4.2	63	<0.5	151.8	17.2	29.8	61.0
G1	Prep Blank		1065	3	4.8	4.7	19.5	4.6	24.7	137.1	1	762.3	1.5	9.6	3.7	56	<0.5	154.9	17.4	32.9	65.8

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Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Project: MM
Report Date: August 30, 2010

QUALITY CONTROL REPORT WHI10000250.1

	Method	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.1	0.1	0.1	1	0.1	0.5	0.1	0.1
Pulp Duplicates																					
LJMMR008	Rock	22.92	79.0	12.93	1.04	10.97	1.87	11.06	2.18	6.17	0.95	6.05	0.88	4.8	12.0	349.8	48	1.6	718.9	0.3	0.4
REP LJMMR008	QC	23.22	78.8	12.87	1.04	11.05	1.89	10.79	2.08	6.18	0.93	6.02	0.87								
LJMMR012	Rock	108.6	388.7	60.76	6.40	53.96	9.31	54.01	10.70	30.81	4.36	28.30	3.94	6.4	4.4	7.1	49	<0.1	13.9	<0.1	0.3
REP LJMMR012	QC													5.8	4.7	7.0	49	0.4	15.6	<0.1	0.4
LJMMR016	Rock	1.93	7.6	1.31	0.17	1.37	0.26	1.46	0.33	0.92	0.15	0.93	0.13	0.8	935.0	114.1	3220	93.0	52.6	16.3	4.7
REP LJMMR016	QC	1.90	6.9	1.31	0.17	1.36	0.25	1.56	0.31	0.86	0.14	0.86	0.13								
Reference Materials																					
STD DS7	Standard													20.5	111.5	69.1	411	56.5	52.3	6.1	4.2
STD OREAS45PA	Standard													0.9	596.2	20.1	126	291.8	4.7	0.1	<0.1
STD SO-18	Standard	3.26	13.2	2.71	0.80	2.75	0.47	2.85	0.59	1.67	0.26	1.72	0.26								
STD SO-18	Standard	3.19	13.4	2.70	0.80	2.73	0.46	2.73	0.58	1.74	0.26	1.66	0.26								
STD SO-18	Standard	3.17	12.8	2.69	0.81	2.75	0.47	2.71	0.58	1.67	0.26	1.68	0.25								
STD SO-18	Standard	3.23	13.0	2.72	0.81	2.74	0.46	2.74	0.56	1.68	0.25	1.65	0.25								
STD SO-18 Expected		3.45	14	3	0.89	2.93	0.53	3	0.62	1.84	0.27	1.79	0.27								
STD DS7 Expected														20.5	109	70.6	411	56	48.2	6.4	4.6
STD OREAS45PA Expected														0.9	600	19	119	281	4.2	0.09	0.13
BLK	Blank	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01								
BLK	Blank	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01								
BLK	Blank													<0.1	<0.1	<0.1	<1	<0.1	<0.5	<0.1	<0.1
Prep Wash																					
G1	Prep Blank	6.77	24.4	4.19	1.10	3.31	0.52	2.83	0.55	1.82	0.25	1.90	0.30	<0.1	2.3	4.2	45	2.6	0.5	<0.1	<0.1
G1	Prep Blank	7.32	26.6	4.18	1.10	3.29	0.52	2.86	0.56	1.78	0.27	1.85	0.31	0.1	2.4	4.1	48	3.4	<0.5	<0.1	<0.1

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Cranbrook BC V1C 2R7 Canada

Project: MM
Report Date: August 30, 2010

QUALITY CONTROL REPORT WHI10000250.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Bi	Ag	Au	Hg	Tl	Se
	Unit	ppm	ppm	ppb	ppm	ppm	ppm
	MDL	0.1	0.1	0.5	0.01	0.1	0.5
Pulp Duplicates							
LJMMR008	Rock	5.3	2.7	1.5	0.01	0.1	0.7
REP LJMMR008	QC						
LJMMR012	Rock	<0.1	0.2	<0.5	<0.01	0.4	<0.5
REP LJMMR012	QC	<0.1	0.1	<0.5	0.01	0.4	<0.5
LJMMR016	Rock	0.7	5.8	7.1	0.15	0.6	49.6
REP LJMMR016	QC						
Reference Materials							
STD DS7	Standard	4.7	0.9	65.4	0.26	3.8	2.7
STD OREAS45PA	Standard	0.2	0.3	53.4	0.03	<0.1	<0.5
STD SO-18	Standard						
STD SO-18	Standard						
STD SO-18	Standard						
STD SO-18	Standard						
STD SO-18 Expected							
STD DS7 Expected		4.5	0.9	70	0.2	4.2	3.5
STD OREAS45PA Expected		0.18	0.3	43	0.03	0.07	0.54
BLK	Blank						
BLK	Blank						
BLK	Blank	<0.1	<0.1	<0.5	<0.01	<0.1	<0.5
Prep Wash							
G1	Prep Blank	<0.1	<0.1	<0.5	0.03	0.3	<0.5
G1	Prep Blank	<0.1	<0.1	1.5	0.02	0.3	<0.5

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Submitted By: Aaron Higgs
Receiving Lab: Canada-Whitehorse
Received: August 13, 2010
Report Date: September 02, 2010
Page: 1 of 2

CERTIFICATE OF ANALYSIS WHI10000249.1

CLIENT JOB INFORMATION

Project: FM
Shipment ID: FM10-001
P.O. Number
Number of Samples: 29

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	29	Crush, split and pulverize 250 g rock to 200 mesh			WHI
4B02	29	LiBO2/Li2B4O7 fusion ICP-MS analysis	0.2	Completed	VAN

SAMPLE DISPOSAL

RTRN-PLP Return
DISP-RJT Dispose of Reject After 90 days

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

ADDITIONAL COMMENTS

Invoice To: TerraLogic Exploration Inc.
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7
Canada

CC: Chris Gallagher

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Project: FM
Report Date: September 02, 2010

CERTIFICATE OF ANALYSIS WHI10000249.1

	Method	WGHT	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B
	Analyte	Wgt	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1
BKFMR001	Rock	0.87	4100	7	2.0	1.8	40.1	39.2	368.2	372.1	16	55.8	22.7	63.5	16.2	<8	3.9	1789	107.5	191.2	351.3
BKFMR002	Rock	2.53	6750	3	1.7	0.9	24.0	27.0	238.3	145.1	7	164.1	15.7	41.4	9.9	<8	2.3	1236	74.4	132.1	242.3
BKFMR003	Rock	1.39	929	8	1.0	2.6	27.8	17.9	161.5	200.3	11	4.4	10.8	53.9	9.4	<8	2.8	632.7	86.7	157.0	280.9
BKFMR004	Rock	1.37	2275	7	9.2	1.7	32.2	20.3	252.5	128.2	27	32.2	21.6	130.0	27.0	37	<0.5	554.5	78.7	145.8	265.0
BKFMR005	Rock	1.73	3446	10	1.8	2.5	43.1	38.4	362.9	312.5	14	26.9	23.3	58.2	13.5	<8	3.3	1720	99.5	202.4	343.6
BKFMR006	Rock	1.21	2372	8	0.9	2.1	26.2	17.1	154.2	209.4	11	90.1	10.4	51.0	10.0	8	4.3	569.5	68.5	131.2	226.4
BKFMR007	Rock	2.02	2781	4	3.2	2.2	34.0	19.4	204.5	139.1	10	7.0	11.8	27.5	6.5	<8	5.1	825.2	58.4	110.3	209.0
BKFMR008	Rock	2.20	3027	6	0.6	2.7	32.7	18.2	190.1	170.7	7	46.5	11.5	26.6	8.5	<8	3.2	813.6	58.4	87.0	164.7
ETFMR001	Rock	2.31	7228	6	1.5	1.5	43.9	41.9	391.9	325.7	16	85.6	24.5	68.5	17.8	<8	4.9	1971	114.4	207.7	332.5
ETFMR002	Rock	2.51	4336	1	1.4	0.4	14.2	18.6	192.9	80.0	4	49.8	11.9	26.7	5.4	<8	2.3	809.0	49.5	95.4	171.8
ETFMR003	Rock	1.58	2236	7	8.5	2.4	29.2	17.7	211.1	111.5	23	67.2	21.3	116.2	26.4	41	0.5	495.5	72.1	148.7	269.1
LJFMR001	Rock	1.09	1380	5	0.8	0.9	28.7	22.6	179.6	157.0	12	32.4	12.7	57.1	11.8	<8	5.4	890.8	67.2	139.7	255.0
LJFMR002	Rock	1.73	6647	8	1.2	1.3	27.1	20.5	184.5	219.1	12	56.2	12.8	55.9	11.1	<8	5.2	891.5	65.1	133.1	230.1
LJFMR003	Rock	1.06	925	8	2.2	1.1	27.2	15.6	143.4	101.5	8	70.1	9.4	38.3	7.8	<8	6.0	658.7	54.0	101.2	193.3
BWFMR001	Rock	1.60	2095	3	29.9	8.3	15.1	3.5	20.1	134.6	2	401.9	1.1	22.7	8.4	220	3.5	122.6	21.9	43.8	90.2
BWFMR002	Rock	1.92	252	2	1.8	0.3	12.6	3.7	36.4	25.9	11	74.9	2.5	7.0	2.0	<8	0.6	173.9	22.1	82.6	148.3
BWFMR003	Rock	1.71	4522	6	1.3	1.2	34.2	37.5	301.6	224.2	13	81.9	22.1	62.0	16.1	<8	2.0	1752	104.6	165.5	295.7
BWFMR004	Rock	1.36	4990	6	3.3	1.7	40.9	21.3	287.6	125.9	28	19.9	25.0	131.5	21.9	36	<0.5	561.3	75.1	214.3	368.3
BWFMR005	Rock	1.42	3983	2	6.2	4.1	28.3	13.2	155.6	222.1	6	39.3	10.2	22.6	6.2	22	2.9	561.9	56.1	89.9	173.5
BWFMR006	Rock	1.94	2005	12	1.7	1.8	44.4	39.5	340.7	183.7	24	22.5	23.5	78.2	175.8	<8	4.3	1585	124.0	201.9	410.6
BWFMR007	Rock	1.33	3467	4	2.6	1.0	27.8	17.3	190.1	184.3	7	24.5	12.2	26.8	7.1	<8	4.5	824.6	50.4	101.8	183.6
BWFMR008	Rock	1.39	812	6	1.3	1.8	31.0	18.2	190.0	155.9	7	65.5	11.4	26.7	6.7	<8	3.0	813.4	59.0	100.0	189.5
BWFMR009	Rock	1.70	2404	2	0.8	1.9	26.9	16.3	169.4	117.0	7	7.0	10.4	23.9	5.9	<8	3.3	725.1	52.8	89.1	170.9
BWFMR010	Rock	1.57	1712	4	1.3	1.5	32.5	23.4	236.9	128.0	8	5.3	15.8	37.4	9.5	11	4.6	1148	72.5	88.6	166.1
BWFMR011	Rock	1.69	2952	13	1.2	1.7	43.6	45.2	412.5	325.6	18	26.7	26.4	73.1	23.1	<8	4.6	2129	119.6	215.8	390.6
BWFMR012	Rock	1.65	8545	10	<0.2	1.7	52.0	46.8	432.4	321.0	21	32.9	27.6	68.1	17.3	<8	5.4	2191	121.6	95.9	176.5
BWFMR013	Rock	1.41	13993	7	0.2	1.9	54.4	54.8	506.9	342.4	22	49.4	32.3	66.9	24.2	<8	5.3	2613	137.9	40.3	63.9
BWFMR014	Rock	1.44	2669	14	1.7	1.9	44.5	43.0	399.0	349.2	19	42.7	25.1	67.7	18.7	<8	5.1	2000	114.3	181.9	343.3
BWFMR015	Rock	1.37	1940	8	1.6	1.3	41.1	36.9	359.4	189.9	14	33.5	23.4	59.8	15.6	<8	9.4	1775	97.5	171.3	319.6

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Project: FM
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CERTIFICATE OF ANALYSIS WHI10000249.1

	Method	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.1	0.1	0.1	1	0.1	0.5	0.1	0.1
BKFMR001	Rock	34.62	117.8	18.28	1.03	16.41	2.87	17.33	3.57	11.23	1.84	11.77	1.64	7.5	12.2	116.0	134	2.0	12.5	0.7	2.0
BKFMR002	Rock	24.23	83.5	13.08	1.19	11.71	2.07	12.14	2.52	7.83	1.27	8.18	1.15	1.5	50.8	235.8	161	1.4	13.2	2.2	2.9
BKFMR003	Rock	30.69	106.6	17.22	0.28	15.89	2.63	15.07	2.89	8.68	1.31	8.18	1.09	5.7	7.0	12.5	4	2.7	14.9	<0.1	0.8
BKFMR004	Rock	24.78	76.7	10.08	1.08	8.57	1.68	11.27	2.56	8.78	1.54	10.26	1.43	5.1	151.6	22.8	8	5.0	2.8	<0.1	0.1
BKFMR005	Rock	35.66	118.7	18.22	1.25	15.59	2.71	16.36	3.34	10.63	1.76	11.28	1.58	4.5	8.8	21.7	361	2.3	7.7	2.9	0.8
BKFMR006	Rock	26.38	93.9	14.66	0.34	12.72	2.09	12.03	2.26	6.97	1.09	6.94	0.97	1.3	3.5	15.4	57	1.3	5.9	0.3	0.2
BKFMR007	Rock	22.18	78.8	12.29	1.53	9.94	1.60	9.67	2.05	6.39	1.04	6.53	0.97	0.6	156.8	199.0	1324	3.2	5.8	4.2	0.2
BKFMR008	Rock	17.19	62.5	10.60	0.92	9.70	1.71	10.10	2.00	6.20	0.99	6.34	0.93	4.2	0.6	18.9	29	0.1	0.9	<0.1	0.1
ETFMR001	Rock	33.95	109.2	16.80	1.06	15.37	2.87	17.84	3.79	11.98	1.96	12.73	1.79	2.5	12.5	211.5	2139	1.3	11.4	11.4	2.5
ETFMR002	Rock	17.57	60.6	9.22	0.97	8.28	1.44	8.61	1.71	5.36	0.86	5.47	0.80	0.4	2.6	43.6	581	1.6	7.6	4.0	0.9
ETFMR003	Rock	24.95	76.2	10.50	0.97	8.24	1.65	10.94	2.38	8.01	1.39	9.31	1.28	10.0	388.6	22.3	20	6.8	10.0	0.1	0.5
LJFMR001	Rock	25.49	85.3	12.93	0.86	11.40	1.90	11.11	2.25	6.95	1.14	7.46	1.10	5.9	3.5	6.0	93	1.1	2.5	1.4	0.4
LJFMR002	Rock	23.94	80.0	12.12	0.86	10.71	1.75	10.12	2.17	6.75	1.10	7.38	1.08	4.1	4.6	15.5	137	2.3	10.8	0.4	0.4
LJFMR003	Rock	18.27	61.7	9.67	1.21	8.79	1.52	9.03	1.91	5.65	0.90	5.76	0.83	2.7	1.9	27.9	138	0.7	<0.5	0.6	0.5
BWFMR001	Rock	10.82	45.3	7.67	1.65	5.76	0.77	3.88	0.73	2.08	0.32	2.04	0.30	0.9	40.2	10.5	103	109.5	0.8	0.4	0.2
BWFMR002	Rock	14.77	52.7	9.20	3.22	8.40	1.15	5.16	0.80	2.01	0.27	1.69	0.22	4.4	8559	211.7	>10000	4.6	47.3	191.1	93.6
BWFMR003	Rock	28.79	98.3	16.26	1.63	15.73	2.77	16.80	3.45	10.63	1.69	11.31	1.53	0.4	35.4	289.4	706	0.8	8.6	6.9	4.4
BWFMR004	Rock	33.61	104.5	13.23	0.94	9.46	1.79	11.77	2.62	8.98	1.53	10.78	1.49	1.0	531.7	4.4	36	2.9	<0.5	0.6	0.3
BWFMR005	Rock	18.75	69.4	11.79	1.04	10.38	1.73	10.05	2.01	6.05	0.97	6.16	0.92	23.1	8.5	27.3	51	8.3	4.1	<0.1	0.4
BWFMR006	Rock	43.59	159.7	28.16	0.64	25.52	4.48	23.85	4.45	12.57	1.92	12.46	1.74	10.9	245.9	37.1	123	1.9	19.7	5.0	0.7
BWFMR007	Rock	18.23	62.3	9.78	1.13	8.73	1.42	8.21	1.70	5.18	0.89	5.30	0.78	1.7	6.0	8.4	481	1.6	9.2	4.1	0.4
BWFMR008	Rock	19.88	73.9	11.69	0.97	10.39	1.72	10.14	2.05	6.15	0.98	6.49	0.93	4.0	8.3	19.0	84	<0.1	5.7	0.3	0.1
BWFMR009	Rock	17.58	65.2	10.57	1.21	9.41	1.53	9.07	1.86	5.42	0.87	5.73	0.84	9.8	1.3	11.6	347	0.3	1.8	2.2	0.1
BWFMR010	Rock	16.73	57.6	9.72	1.19	9.82	1.89	11.41	2.44	7.28	1.17	7.68	1.09	12.7	58.0	11.5	275	5.3	29.1	1.4	0.3
BWFMR011	Rock	38.38	134.4	20.50	1.03	17.78	3.18	19.32	4.06	12.81	2.07	13.59	1.93	1.5	6.3	10.1	91	0.2	3.0	0.3	0.2
BWFMR012	Rock	16.17	57.6	10.85	0.62	12.39	2.79	19.17	4.27	13.22	2.16	13.99	1.97	1.9	6.9	34.0	123	<0.1	8.1	0.6	0.6
BWFMR013	Rock	6.10	23.1	6.17	0.36	10.16	2.86	20.83	4.92	15.64	2.49	16.38	2.35	1.9	3.9	250.9	88	<0.1	12.0	0.7	1.3
BWFMR014	Rock	32.97	113.6	18.80	0.94	17.89	3.04	18.63	3.97	12.58	2.06	13.07	1.87	1.9	6.0	49.4	297	<0.1	6.9	1.7	0.4
BWFMR015	Rock	31.32	108.3	17.47	1.09	15.56	2.74	16.79	3.47	10.82	1.73	11.47	1.64	3.7	2.8	12.2	39	0.2	6.2	0.1	0.3

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Project: FM
Report Date: September 02, 2010

CERTIFICATE OF ANALYSIS WHI10000249.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Bi	Ag	Au	Hg	Tl	Se
	Unit	ppm	ppm	ppb	ppm	ppm	ppm
	MDL	0.1	0.1	0.5	0.01	0.1	0.5
BKFMR001	Rock	0.2	1.0	1.6	0.05	0.2	<0.5
BKFMR002	Rock	0.2	0.7	3.4	<0.01	<0.1	<0.5
BKFMR003	Rock	0.2	0.1	0.6	<0.01	<0.1	<0.5
BKFMR004	Rock	0.1	0.1	0.9	<0.01	<0.1	<0.5
BKFMR005	Rock	0.2	0.3	0.9	<0.01	0.2	<0.5
BKFMR006	Rock	0.3	<0.1	2.8	<0.01	<0.1	<0.5
BKFMR007	Rock	0.1	0.9	1.6	0.32	<0.1	<0.5
BKFMR008	Rock	<0.1	<0.1	<0.5	<0.01	<0.1	<0.5
ETFMR001	Rock	0.2	0.6	2.3	0.35	<0.1	<0.5
ETFMR002	Rock	<0.1	0.1	<0.5	0.06	<0.1	<0.5
ETFMR003	Rock	0.1	0.2	2.3	0.02	<0.1	<0.5
LJFMR001	Rock	<0.1	<0.1	<0.5	<0.01	<0.1	<0.5
LJFMR002	Rock	0.2	<0.1	<0.5	<0.01	<0.1	<0.5
LJFMR003	Rock	0.2	<0.1	6.5	0.02	<0.1	<0.5
BWFMR001	Rock	0.1	<0.1	2.1	0.02	0.6	<0.5
BWFMR002	Rock	0.3	10.5	412.2	0.35	<0.1	0.9
BWFMR003	Rock	0.3	0.6	2.6	0.02	<0.1	<0.5
BWFMR004	Rock	<0.1	0.2	0.6	<0.01	<0.1	<0.5
BWFMR005	Rock	0.8	0.2	1.7	<0.01	0.4	<0.5
BWFMR006	Rock	0.8	0.5	3.1	0.05	0.5	<0.5
BWFMR007	Rock	<0.1	0.1	0.7	<0.01	<0.1	<0.5
BWFMR008	Rock	<0.1	0.1	1.3	<0.01	<0.1	<0.5
BWFMR009	Rock	<0.1	<0.1	1.0	0.01	<0.1	<0.5
BWFMR010	Rock	<0.1	0.2	5.9	<0.01	0.1	<0.5
BWFMR011	Rock	0.3	0.2	1.1	<0.01	0.1	<0.5
BWFMR012	Rock	0.2	0.3	1.7	0.10	<0.1	<0.5
BWFMR013	Rock	<0.1	0.7	2.0	0.15	0.1	<0.5
BWFMR014	Rock	0.2	0.3	0.9	0.02	<0.1	<0.5
BWFMR015	Rock	0.2	0.1	2.9	0.02	<0.1	<0.5

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QUALITY CONTROL REPORT WHI10000249.1

	Method	WGHT	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B
	Analyte	Wgt	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1
Pulp Duplicates																					
BKFMR001	Rock	0.87	4100	7	2.0	1.8	40.1	39.2	368.2	372.1	16	55.8	22.7	63.5	16.2	<8	3.9	1789	107.5	191.2	351.3
REP BKFMR001	QC																				
ETFMR001	Rock	2.31	7228	6	1.5	1.5	43.9	41.9	391.9	325.7	16	85.6	24.5	68.5	17.8	<8	4.9	1971	114.4	207.7	332.5
REP ETFMR001	QC		7360	6	1.3	1.7	43.9	41.6	394.6	323.6	15	85.2	24.4	68.4	17.8	<8	4.8	1968	112.5	209.2	333.5
BWFMR012	Rock	1.65	8545	10	<0.2	1.7	52.0	46.8	432.4	321.0	21	32.9	27.6	68.1	17.3	<8	5.4	2191	121.6	95.9	176.5
REP BWFMR012	QC																				
Reference Materials																					
STD DS7	Standard																				
STD DS7	Standard																				
STD DS7	Standard																				
STD DS7	Standard																				
STD OREAS45PA	Standard																				
STD OREAS45PA	Standard																				
STD OREAS45PA	Standard																				
STD OREAS45PA	Standard																				
STD SO-18	Standard		504	1	25.6	6.8	17.0	9.5	21.4	27.4	14	395.6	7.3	10.4	15.7	198	14.9	288.9	30.2	11.6	25.9
STD SO-18	Standard		505	<1	25.5	6.9	17.2	9.5	20.6	27.2	14	395.5	7.2	9.8	15.5	197	14.7	288.7	29.8	11.4	25.7
STD SO-18 Expected			514	1	26.2	7.1	17.6	9.8	21.3	28.7	15	407.4	7.4	9.9	16.4	200	14.8	280	31	12.3	27.1
STD DS7 Expected																					
STD OREAS45PA Expected																					
BLK	Blank		<1	<1	<0.2	<0.1	<0.5	<0.1	<0.1	<0.1	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	0.7	<0.1	<0.1	<0.1
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
G1	Prep Blank		978	3	4.4	4.6	19.4	4.5	24.3	131.9	2	755.3	1.6	11.5	3.7	58	<0.5	146.8	16.5	33.7	65.5
G1	Prep Blank		1018	3	4.6	4.6	19.0	4.0	26.0	124.7	2	729.0	1.6	10.2	3.4	57	<0.5	140.6	16.7	36.6	69.1

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Project: FM
Report Date: September 02, 2010

QUALITY CONTROL REPORT WHI10000249.1

	Method	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.1	0.1	0.1	1	0.1	0.5	0.1	0.1
Pulp Duplicates																					
BKFMR001	Rock	34.62	117.8	18.28	1.03	16.41	2.87	17.33	3.57	11.23	1.84	11.77	1.64	7.5	12.2	116.0	134	2.0	12.5	0.7	2.0
REP BKFMR001	QC													7.9	11.1	116.0	143	1.7	13.4	0.7	1.8
ETFMR001	Rock	33.95	109.2	16.80	1.06	15.37	2.87	17.84	3.79	11.98	1.96	12.73	1.79	2.5	12.5	211.5	2139	1.3	11.4	11.4	2.5
REP ETFMR001	QC	33.87	114.1	16.64	1.05	15.72	2.93	17.85	3.87	12.18	2.03	12.70	1.86								
BWFMR012	Rock	16.17	57.6	10.85	0.62	12.39	2.79	19.17	4.27	13.22	2.16	13.99	1.97	1.9	6.9	34.0	123	<0.1	8.1	0.6	0.6
REP BWFMR012	QC													1.8	6.6	35.2	125	<0.1	8.2	0.5	0.6
Reference Materials																					
STD DS7	Standard													22.3	104.9	73.1	418	52.2	53.1	6.6	4.6
STD DS7	Standard													21.3	116.3	68.7	407	57.3	52.1	6.4	3.7
STD DS7	Standard													21.3	112.3	70.0	401	57.1	51.8	5.9	4.4
STD DS7	Standard													22.1	112.6	70.9	411	57.8	46.2	6.8	4.0
STD OREAS45PA	Standard													1.1	619.7	24.4	129	308.6	3.3	0.1	0.2
STD OREAS45PA	Standard													0.7	553.0	18.5	120	267.4	4.7	0.1	0.1
STD OREAS45PA	Standard													1.1	629.4	19.9	130	321.1	5.5	<0.1	0.1
STD OREAS45PA	Standard													0.8	595.4	19.4	120	292.7	3.6	<0.1	0.1
STD SO-18	Standard	3.26	13.9	2.75	0.81	2.79	0.46	2.76	0.58	1.63	0.26	1.67	0.26								
STD SO-18	Standard	3.20	13.6	2.73	0.81	2.80	0.47	2.78	0.56	1.68	0.27	1.73	0.25								
STD SO-18 Expected		3.45	14	3	0.89	2.93	0.53	3	0.62	1.84	0.27	1.79	0.27								
STD DS7 Expected														20.5	109	70.6	411	56	48.2	6.4	4.6
STD OREAS45PA Expected														0.9	600	19	119	281	4.2	0.09	0.13
BLK	Blank	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01								
BLK	Blank													<0.1	<0.1	<0.1	<1	<0.1	<0.5	<0.1	<0.1
BLK	Blank													<0.1	<0.1	<0.1	<1	<0.1	<0.5	<0.1	<0.1
BLK	Blank													<0.1	<0.1	<0.1	<1	<0.1	<0.5	<0.1	<0.1
BLK	Blank													<0.1	<0.1	<0.1	<1	<0.1	<0.5	<0.1	<0.1
Prep Wash																					
G1	Prep Blank	7.34	27.9	4.19	1.09	3.30	0.51	2.79	0.52	1.68	0.27	1.89	0.30	0.3	9.2	3.3	51	3.3	2.4	<0.1	<0.1
G1	Prep Blank	7.55	29.0	4.44	1.09	3.37	0.52	2.79	0.52	1.64	0.27	1.86	0.27	0.1	2.8	3.1	48	3.9	3.6	<0.1	<0.1

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Project: FM
Report Date: September 02, 2010

QUALITY CONTROL REPORT WHI10000249.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Bi	Ag	Au	Hg	Tl	Se
	Unit	ppm	ppm	ppb	ppm	ppm	ppm
	MDL	0.1	0.1	0.5	0.01	0.1	0.5
Pulp Duplicates							
BKFMR001	Rock	0.2	1.0	1.6	0.05	0.2	<0.5
REP BKFMR001	QC	0.2	1.0	0.6	0.05	0.2	<0.5
ETFMR001	Rock	0.2	0.6	2.3	0.35	<0.1	<0.5
REP ETFMR001	QC						
BWFMR012	Rock	0.2	0.3	1.7	0.10	<0.1	<0.5
REP BWFMR012	QC	0.1	0.3	1.6	0.11	<0.1	<0.5
Reference Materials							
STD DS7	Standard	5.2	1.0	91.3	0.26	4.2	2.7
STD DS7	Standard	5.2	0.9	81.4	0.22	4.1	3.2
STD DS7	Standard	4.6	0.9	67.0	0.22	4.0	3.0
STD DS7	Standard	5.0	1.0	56.3	0.22	4.0	3.2
STD OREAS45PA	Standard	0.2	0.4	47.6	<0.01	<0.1	0.7
STD OREAS45PA	Standard	0.2	0.3	42.2	0.03	<0.1	<0.5
STD OREAS45PA	Standard	0.2	0.3	51.6	0.03	<0.1	0.7
STD OREAS45PA	Standard	0.2	0.3	46.2	0.02	<0.1	<0.5
STD SO-18	Standard						
STD SO-18	Standard						
STD SO-18 Expected							
STD DS7 Expected		4.5	0.9	70	0.2	4.2	3.5
STD OREAS45PA Expected		0.18	0.3	43	0.03	0.07	0.54
BLK	Blank						
BLK	Blank	<0.1	<0.1	<0.5	<0.01	<0.1	<0.5
BLK	Blank	<0.1	<0.1	<0.5	<0.01	<0.1	<0.5
BLK	Blank	<0.1	<0.1	<0.5	<0.01	<0.1	<0.5
BLK	Blank	<0.1	<0.1	<0.5	<0.01	<0.1	<0.5
Prep Wash							
G1	Prep Blank	<0.1	<0.1	1.5	<0.01	0.3	<0.5
G1	Prep Blank	<0.1	<0.1	1.7	<0.01	0.3	<0.5

5.2 – Silt Samples

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Submitted By: Aaron Higgs
Receiving Lab: Canada-Whitehorse
Received: August 13, 2010
Report Date: September 02, 2010
Page: 1 of 2

CERTIFICATE OF ANALYSIS WHI10000253.1

CLIENT JOB INFORMATION

Project: MM
Shipment ID: MM10-001
P.O. Number
Number of Samples: 3

SAMPLE DISPOSAL

RTRN-PLP Return
DISP-RJT-SOIL Immediate Disposal of Soil Reject

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	3	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	3	Dry at 60C			WHI
4B02	3	LiBO2/Li2B4O7 fusion ICP-MS analysis	0.2	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: TerraLogic Exploration Inc.
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7
Canada

CC: Chris Gallagher

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Project: MM
Report Date: September 02, 2010

CERTIFICATE OF ANALYSIS WHI10000253.1

Method		WGHT	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B
Analyte		Wgt	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.01	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1
LJMMS001	Silt		1234	<1	5.7	5.9	9.9	6.2	52.9	34.8	4	106.5	3.2	14.1	5.0	34	2.2	278.9	42.9	90.6	182.1
LJMMS002	Silt		7481	4	6.2	7.9	24.7	22.3	221.8	75.5	9	115.8	12.2	45.0	10.4	39	4.2	898.1	73.8	151.4	301.7
LJMMS003	Silt		8586	6	2.5	4.8	27.6	23.5	287.2	91.1	9	97.7	17.8	55.3	13.7	27	6.0	991.9	188.4	518.5	680.7

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CERTIFICATE OF ANALYSIS WHI10000253.1

	Method	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.1	0.1	0.1	1	0.1	0.5	0.1	0.1
LJMMS001	Silt	19.72	66.5	11.14	1.60	9.56	1.74	8.67	1.64	4.16	0.64	3.19	0.56	3.4	77.7	541.0	2255	11.7	45.6	9.8	1.2
LJMMS002	Silt	30.53	100.2	16.13	1.83	13.33	2.37	13.25	2.64	8.04	1.12	6.77	1.15	9.3	70.8	525.4	1543	20.7	72.3	6.1	3.4
LJMMS003	Silt	102.1	329.9	49.89	5.63	45.10	7.34	40.00	7.17	18.00	2.12	12.40	1.72	13.1	139.8	465.8	2631	8.0	83.7	15.6	5.6

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CERTIFICATE OF ANALYSIS WHI10000253.1

Method		1DX	1DX	1DX	1DX	1DX	1DX
Analyte		Bi	Ag	Au	Hg	Tl	Se
Unit		ppm	ppm	ppb	ppm	ppm	ppm
MDL		0.1	0.1	0.5	0.01	0.1	0.5
LJMMS001	Silt	0.6	1.2	2.6	0.08	0.3	1.8
LJMMS002	Silt	0.6	1.9	4.4	0.21	0.7	2.7
LJMMS003	Silt	1.0	1.7	7.0	0.11	1.0	5.6

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Project: MM
Report Date: September 02, 2010

QUALITY CONTROL REPORT WHI10000253.1

	Method	WGHT	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B
	Analyte	Wgt	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1
Pulp Duplicates																					
LJMMS001	Silt		1234	<1	5.7	5.9	9.9	6.2	52.9	34.8	4	106.5	3.2	14.1	5.0	34	2.2	278.9	42.9	90.6	182.1
REP LJMMS001	QC		1261	2	5.3	5.8	11.2	6.8	52.6	34.6	3	106.1	3.0	14.2	4.4	34	1.9	274.7	42.6	91.6	180.6
Reference Materials																					
STD DS7	Standard																				
STD OREAS45PA	Standard																				
STD SO-18	Standard		521	<1	28.1	7.3	17.1	9.4	21.0	30.2	15	416.5	7.0	10.7	17.1	225	14.7	296.5	32.4	13.4	29.2
STD SO-18	Standard		519	<1	28.7	7.1	17.5	9.7	21.8	29.7	15	412.6	7.4	11.5	17.6	219	14.6	297.0	32.5	13.2	29.5
STD SO-18 Expected			514	1	26.2	7.1	17.6	9.8	21.3	28.7	15	407.4	7.4	9.9	16.4	200	14.8	280	31	12.3	27.1
STD DS7 Expected																					
STD OREAS45PA Expected																					
BLK	Blank		<1	<1	<0.2	<0.1	<0.5	<0.1	<0.1	<0.1	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	1.2	<0.1	<0.1	<0.1
BLK	Blank																				

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QUALITY CONTROL REPORT WHI10000253.1

	Method	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.1	0.1	0.1	1	0.1	0.5	0.1	0.1
Pulp Duplicates																					
LJMMS001	Silt	19.72	66.5	11.14	1.60	9.56	1.74	8.67	1.64	4.16	0.64	3.19	0.56	3.4	77.7	541.0	2255	11.7	45.6	9.8	1.2
REP LJMMS001	QC	19.57	65.0	11.24	1.43	9.90	1.60	8.87	1.58	4.11	0.53	3.00	0.44								
Reference Materials																					
STD DS7	Standard													22.1	112.6	70.9	411	57.8	46.2	6.8	4.0
STD OREAS45PA	Standard													0.8	595.4	19.4	120	292.7	3.6	<0.1	0.1
STD SO-18	Standard	3.65	13.9	2.86	0.92	2.97	0.53	3.16	0.67	1.92	0.28	1.88	0.30								
STD SO-18	Standard	3.66	14.1	2.93	0.91	3.09	0.54	3.28	0.65	1.91	0.28	1.87	0.30								
STD SO-18 Expected		3.45	14	3	0.89	2.93	0.53	3	0.62	1.84	0.27	1.79	0.27								
STD DS7 Expected														20.5	109	70.6	411	56	48.2	6.4	4.6
STD OREAS45PA Expected														0.9	600	19	119	281	4.2	0.09	0.13
BLK	Blank	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01								
BLK	Blank													<0.1	<0.1	<0.1	<1	<0.1	<0.5	<0.1	<0.1

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QUALITY CONTROL REPORT WHI10000253.1

		Method	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	Bi	Ag	Au	Hg	Tl	Se
		Unit	ppm	ppm	ppb	ppm	ppm	ppm
		MDL	0.1	0.1	0.5	0.01	0.1	0.5
Pulp Duplicates								
LJMMS001	Silt		0.6	1.2	2.6	0.08	0.3	1.8
REP LJMMS001	QC							
Reference Materials								
STD DS7	Standard		5.0	1.0	56.3	0.22	4.0	3.2
STD OREAS45PA	Standard		0.2	0.3	46.2	0.02	<0.1	<0.5
STD SO-18	Standard							
STD SO-18	Standard							
STD SO-18 Expected								
STD DS7 Expected			4.5	0.9	70	0.2	4.2	3.5
STD OREAS45PA Expected			0.18	0.3	43	0.03	0.07	0.54
BLK	Blank							
BLK	Blank		<0.1	<0.1	<0.5	<0.01	<0.1	<0.5

Appendix VI – Bedrock Geological Mapping

6.1a – Geology Stations – MM
6.1b – Geology Stations – Fire-Ice
6.2a – Lithology – MM
6.2b – Lithology - Fire-Ice

Appendix 6.1a - 2010 Field Mapping Station Location

Station Number	Date (dd/mm/yyyy)	Type	Elevation (m)	Easting (m)	Northing (m)	Location Method	GPS Accuracy (m)	Comments
LJMMG001	8/2/2010	outcrop		625981	6816418	GPS	8	
LJMMG002	8/2/2010	outcrop		6816418	6816411	GPS	8	
LJMMG003	8/2/2010	outcrop		626126	6816580	GPS	8	
LJMMG004	8/2/2010	outcrop		625844	6816150	GPS	6	
LJMMG005	8/2/2010	outcrop		625756	6816160	GPS	12	
LJMMG006	8/2/2010	outcrop		625799	6816162	GPS	7	
LJMMG007	8/2/2010	outcrop		625671	6815886	GPS	7	
LJMMG008	8/2/2010	outcrop		625652	6815878	GPS	6	
LJMMG009	8/2/2010	outcrop		625636	6815890	GPS	16	
LJMMG010	8/2/2010	outcrop		625603	6816011	GPS	8	
LJMMG011	8/3/2010	outcrop		624896	6815850	GPS	10	-AAH
LJMMG012	8/3/2010	outcrop		624898	6815860	GPS	9	
LJMMG013	8/4/2010	outcrop		625412	6815998	GPS	13	
LJMMG014	8/4/2010	outcrop		625336	6815976	GPS	14	
LJMMG015	8/4/2010	outcrop		624737	6815775	GPS	7	
LJMMG016	8/4/2010	outcrop		625015	6815885	GPS	13	

Appendix 6.1b - 2010 Field Mapping Station Locations

Station Number	Date (dd/mm/yyyy)	Type	Elevation (m)	Easting (m)	Northing (m)	Location Method	GPS Accuracy (m)	Comments
BKFMG001	8/1/2010	scree		635863	6833433	GPS	5	
BKFMG002	8/1/2010	outcrop		635716	6833922	GPS	8	
BWFMG001	8/1/2010	subcrop	1916	635813	6833420.1	GPS	2	Rubble just below outcrop
BWFMG002	8/1/2010	outcrop	1907	635735	6833865.1	GPS	1	
BWFMG003	8/1/2010	subcrop	1915	635739	6833865.5	GPS	1	
BWFMG004	8/1/2010	outcrop	1934	635719	6833999.6	GPS	1	
BWFMG005	8/2/2010	outcrop	2031	634581	6832736.1	GPS	2	Near syrnite contact
BWFMG006	8/2/2010	outcrop	1998	634507	6832751.3	GPS	2	Syenite/dacite contact?
BWFMG007	8/2/2010	outcrop	1962	634308	6832674	GPS	3	25m from syenite contact
BWFMG008	8/2/2010	outcrop	1945	634208	6832651.5	GPS	3	
BWFMG009	8/3/2010	outcrop	1924	635840	6833942.8	GPS	2	20x30m outcrop
BWFMG010	8/3/2010	outcrop		637214	6833629	GPS	8	Numerous m to 5m size outcrops/subcrops
BWFMG011	8/3/2010	outcrop		636305	6834244	GPS	11	
BWFMG012	8/3/2010	outcrop		635771	6834043	GPS	8	
BWFMG013	8/4/2010	outcrop	173	631786	6833095.7	GPS	2	
BWFMG014	8/4/2010	outcrop	1731	631786	6833047.2	GPS	2	
BWFMG015	8/4/2010	outcrop	1661	631767	6832845	GPS	2	4x2m outcrop
BWFMG016	8/5/2010	outcrop	1913	635796	6833314.7	GPS	2	
BWFMG017	8/5/2010	outcrop	1920	635827	6833391.9	GPS	2	In area of JBFMR010
BWFMG018	8/5/2010	outcrop	1930	635838	6833399	GPS	1	
BWFMG019	8/5/2010	outcrop	1886	635910	6833236.3	GPS	1	
ETFMG001	8/1/2010	outcrop		635556	6834205	GPS	9	
ETFMG002	8/1/2010	outcrop		635471	6834107	GPS	9	
ETFMG003	8/2/2010	outcrop		634573	6832744	GPS	10	
LJFMG001	8/5/2010	outcrop		630935	6830114	GPS	6	
LJFMG002	8/5/2010	outcrop		630992	6829875	GPS	7	
LJFMG003	8/5/2010	outcrop		630963	6829930	GPS	6	

Appendix 6.2a - Lithology

Station Number	User	Date (dd/mm/yyyy)	Station Type	Map Unit	Rock Type	Colour	Colour Weathered	Grain size	Texture	Mineralization	Mineralization Minor	Min. Style	Min. %	Alteration	Alt. Degree
LJMMG001	LJ	8/2/2010	outcrop		Felsic Metavolcanic	white	greyish	fine-medium	banded				0		0
LJMMG002	LJ	8/2/2010	outcrop		Volcaniclastic rock	greenish	brownish	fine-medium	aphanitic				0		0
LJMMG003	LJ	8/2/2010	outcrop		Felsic Metavolcanic								0		0
LJMMG004	LJ	8/2/2010	outcrop		Greenstone								0		0
LJMMG005	LJ	8/2/2010	outcrop		Felsic Metavolcanic								0		0
LJMMG006	LJ	8/2/2010	outcrop		Felsic Metavolcanic	white	greyish	fine-medium	equigranular				0		0
LJMMG007	LJ	8/2/2010	outcrop		Syenite	bluish	brownish	fine-medium	porphyritic				0		0
LJMMG008	LJ	8/2/2010	outcrop		Diorite	grey	brownish	medium	equigranular				0		0
LJMMG009	LJ	8/2/2010	outcrop		Syenite	greenish	grey	fine-medium	equigranular				0		0
LJMMG010	LJ	8/2/2010	outcrop		Greenstone	greenish	brownish	fine	aphanitic				0		0
LJMMG011	LJ	8/3/2010	outcrop		Schist	grey green	grey	fine	foliated				0		0
LJMMG012	LJ	8/3/2010	outcrop		Volcaniclastic rock	dark	black	fine	aphanitic				0		0
LJMMG013	LJ	8/4/2010	outcrop		Volcaniclastic rock	dark	brownish	fine-medium	aphanitic				0		0
LJMMG014	LJ	8/4/2010	outcrop		Meta-Intrusive	greenish	greyish	coarse	foliated				0		0
LJMMG014	LJ	8/4/2010	outcrop		Volcaniclastic rock	dark	brownish	fine	aphanitic				0		0
LJMMG015	LJ	8/4/2010	outcrop		Volcaniclastic rock	bluish	rusty	fine	aphanitic				0		0
LJMMG016	LJ	8/4/2010	outcrop		Schist	light grey	brownish	fine	foliated				0		0

Appendix 6.2b - Lithology

Station Number	User	Date (dd/mm/yyyy)	Station Type	Map Unit	Rock Type	Colour	Colour Weathered	Grain size	Texture	Mineralization	Mineralization Minor	Min. Style	Min. %	Alteration	Alt. Degree
BKFMG001	BK	8/1/2010	scree		Dacite	grey green		very fine					0		0
BKFMG002	BK	8/1/2010	outcrop		Dacite	grey green		very fine					0		0
BWFMG001	BW	8/1/2010	subcrop		Volcaniclastic rock	greenish	grey	nedium-coars	clast within				0		0
BWFMG002	BW	8/1/2010	outcrop		Basalt	dark grey	brownish	fine	aphanitic				0		0
BWFMG003	BW	8/1/2010	subcrop		Volcaniclastic rock	brownish	rusty	fine	massive				0		0
BWFMG004	BW	8/1/2010	outcrop		Volcaniclastic rock	greenish	brown	fine-medium	banded				0		0
BWFMG005	BW	8/2/2010	outcrop		Dacite	grey	brown	fine-medium	extrusive				0		0
BWFMG006	BW	8/2/2010	outcrop		Syenite	dark grey	maroon	fine	massive				0		0
BWFMG007	BW	8/2/2010	outcrop		Serpentinite	green	greenish	medium	veined				0		0
BWFMG008	BW	8/2/2010	outcrop		Syenite	dark grey	dark grey	fine-medium	veined				0		0
BWFMG009	BW	8/3/2010	outcrop		Tuff	greenish	brown	fine-medium	fractured				0		0
BWFMG010	BW	8/3/2010	outcrop		Syenite	dark grey	dark grey	fine	massive				0		0
BWFMG011	BW	8/3/2010	outcrop		Tuff	green	brown	fine-medium	clast within				0		0
BWFMG012	BW	8/3/2010	outcrop		Tuff	greyish	brownish	fine-medium	fractured				0		0
BWFMG013	BW	8/4/2010	outcrop		Tuff	green	grey	fine-medium	laminated				0		0
BWFMG014	BW	8/4/2010	outcrop		Tuff	dark grey	rusty	fine	fractured				0		0
BWFMG015	BW	8/4/2010	outcrop		Tuff	greenish	rusty	fine-medium	clast within				0		0
BWFMG016	BW	8/5/2010	outcrop		Dacite	greenish	brown	fine-medium	granular				0		0
BWFMG017	BW	8/5/2010	outcrop		Dacite	greenish	yellowish	fine	fractured				0		0
BWFMG018	BW	8/5/2010	outcrop		Dacite	green	brown	medium	fractured				0		0
BWFMG019	BW	8/5/2010	outcrop		Dacite	greenish	brown	fine-medium	clast within				0		0
ETFMG001	ET	8/1/2010	outcrop		Volcaniclastic rock	grey	dark grey	fine-medium	banded				0		0
ETFMG002	ET	8/1/2010	outcrop		Tuff								0		0
ETFMG002	ET	8/1/2010	outcrop		Chert	grey	rusty	coarse					0		0
ETFMG003	ET	8/2/2010	outcrop		Serpentinite	grey	yellowish						0		0
LJFMG001	LJ	8/5/2010	outcrop		Syenite	bluish	grey	nedium-coars	aphyric				0		0
LJFMG002	LJ	8/5/2010	outcrop		Felsic Metavolcanic	light	rusty	fine	aphanitic				0		0

Station Number	User	Date (dd/mm/yyyy)	Station Type	Map Unit	Rock Type	Colour	Colour Weathered	Grain size	Texture	Mineralization	Mineralization Minor	Min. Style	Min. %	Alteration	Alt. Degree
LJFMG003	LJ	8/5/2010	outcrop		Syenite	greyish	dark grey	nedium-coars	aphyric				0		0