

Assessment Report

Fall 2009 Exploration Program

Greenbush Property

GREENBUSH LAKE AREA
PATRICIA MINING DIVISION, ONTARIO, CANADA
NTS 52J16 & 52001

Prepared For:



Prepared by:
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Fladgate Exploration Consulting Corporation

Date:
May 28th, 2010

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1 Table of Contents

List of Figures	3
List of Tables	3
List of Photos	3
List of Maps	3
2 Introduction.....	4
3 Terms of Reference	4
4 Disclaimer	4
5 Property Description and Location	4
6 Accessibility, Local Resources and Infrastructure.....	8
7 Climate and Physiography.....	8
8 Geological Setting	8
8.1 Regional and Local Geology.....	8
8.2 Property Geology.....	9
8.3 Alteration and Mineralization	10
9 Historical Exploration.....	12
10 Current Program.....	12
11 Sampling Method and Approach.....	13
12 Sample Preparation, Analysis and Security	13
13 Interpretations and Conclusions.....	14
14 Recommendations.....	14
15 References and Literature	15
16 Date.....	16
17 Statement of Qualifications	16
Appendix I Schedule of Costs.....	21
Appendix II Work Schedule	22
Appendix III Samples	23
Appendix IV Certificates of Analysis	24



List of Figures

Figure 1 - Regional Location.....	5
Figure 2 - Greenbush Property Location.....	6
Figure 3 - Greenbush claim and historic lithium occurrence	7
Figure 4 - Greenbush Area Geology	11

List of Tables

Table 1 - Greenbush Property Claim.....	8
Table 2 - Geological Summary of Formations - Pashkokogan Lake Area.....	9
Table 3 - Past Exploration - Greenbush Lake Area	12
Table 4 - Grab Sample Analysis - Greenbush Property.....	14

List of Photos

Photo 1 - Spodumene crystal in coarse grained pegmatite, Greenbush property.....	10
Photo 2 - Silver mineral, possible Nb-Ta oxide, in pegmatite, Greenbush property.....	10

List of Maps

Map 1 - Greenbush Property Fall 2009 Program, scale 1:5,000.....	Map Pocket
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2 Introduction

This report details the work during the Fall 2009 exploration program completed by Fladgate Exploration Consulting Corporation (Fladgate) on behalf of Canadian Orebodies Inc. (Canadian Orebodies) on the Greenbush Property (the property) north of Thunder Bay, Ontario, Canada. Canadian Orebodies acquired its interest in the property as part of its focus in discovering and developing an economic Rare Earth Element (REE) deposit, particularly Li with associated Be, Cs, Ga, Nb, Rb, Sn and Ta.

This report was authored by Michael Thompson, P. Geo., with contributions by Neil Pettigrew, P. Geo., Bonnie Craig and Avery Henderson, all employees of Fladgate.

3 Terms of Reference

This report was prepared at the request of Canadian Orebodies for the use of filing assessment as required under the Ontario Mining Act.

4 Disclaimer

This report is based on information from assessment reports, private reports and general geological reports and maps listed in the References and Literature Section. Although many authors of such reports appear to be qualified and the information appears to have been prepared to standards acceptable at the time, the presentation of the data does not meet present requirements and therefore the author is unable to ascertain the full quality of the information. The author does not take responsibility for the information provided from such sources.

5 Property Description and Location

The Greenbush property is located at the southern end of East Pashkokogan Lake, approximately 113 kilometers northwest of Armstrong, Ontario, Canada (Figures 1 & 2). The property consists of mining claim PA 4225440 totaling 15 units, held 100% by Canadian Orebodies, in the Greenbush Lake Area of the Patricia Mining Division (Table 1, Figure 3).

The property terrain has moderate relief with <10% outcrop, however there is good outcrop exposure along the shoreline. There are a few small inland ponds with adjacent sphagnum swamps and marsh tracts. An esker running from the north to the southwest provides moderate topographic contrast.



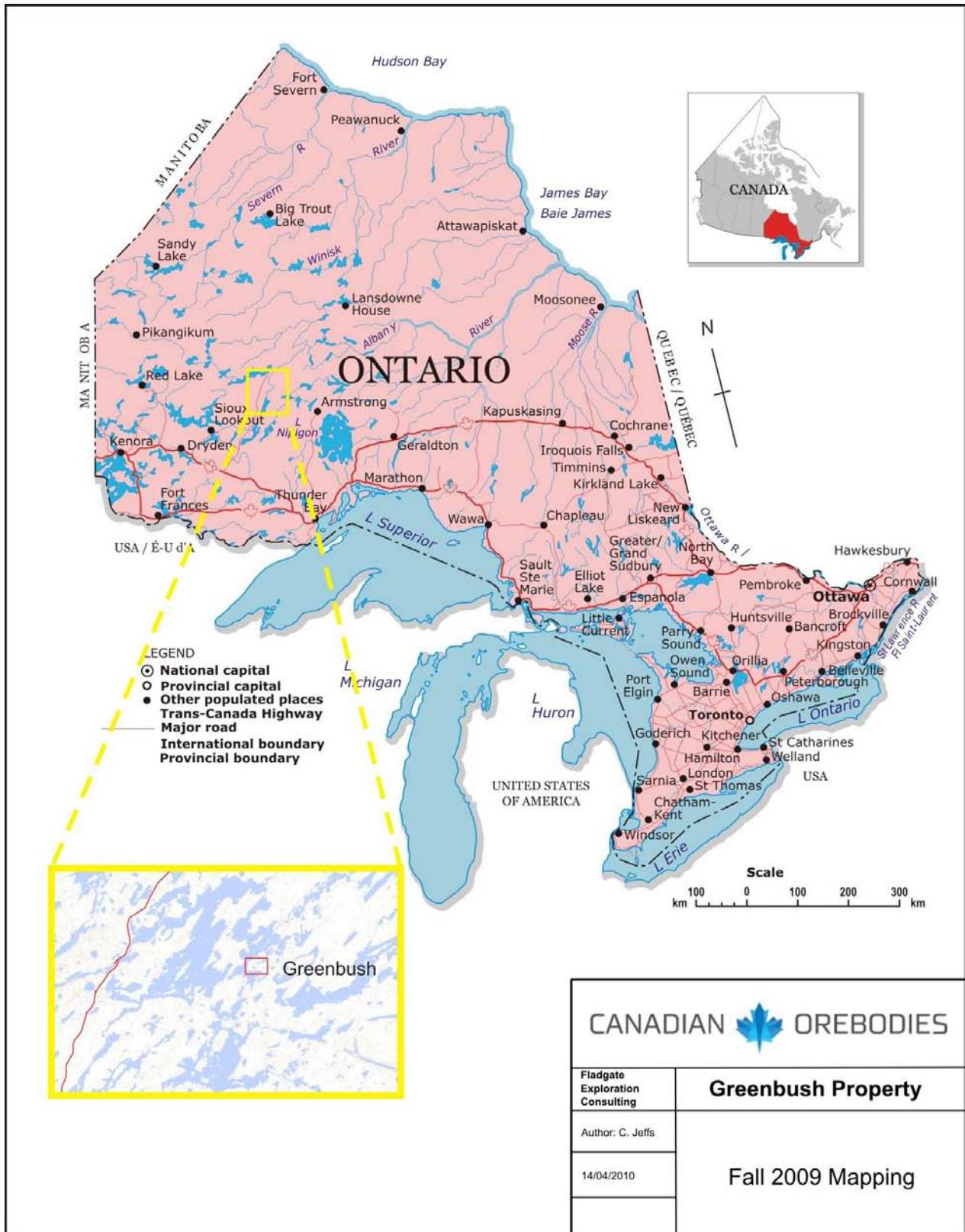


Figure 1 - Regional Location



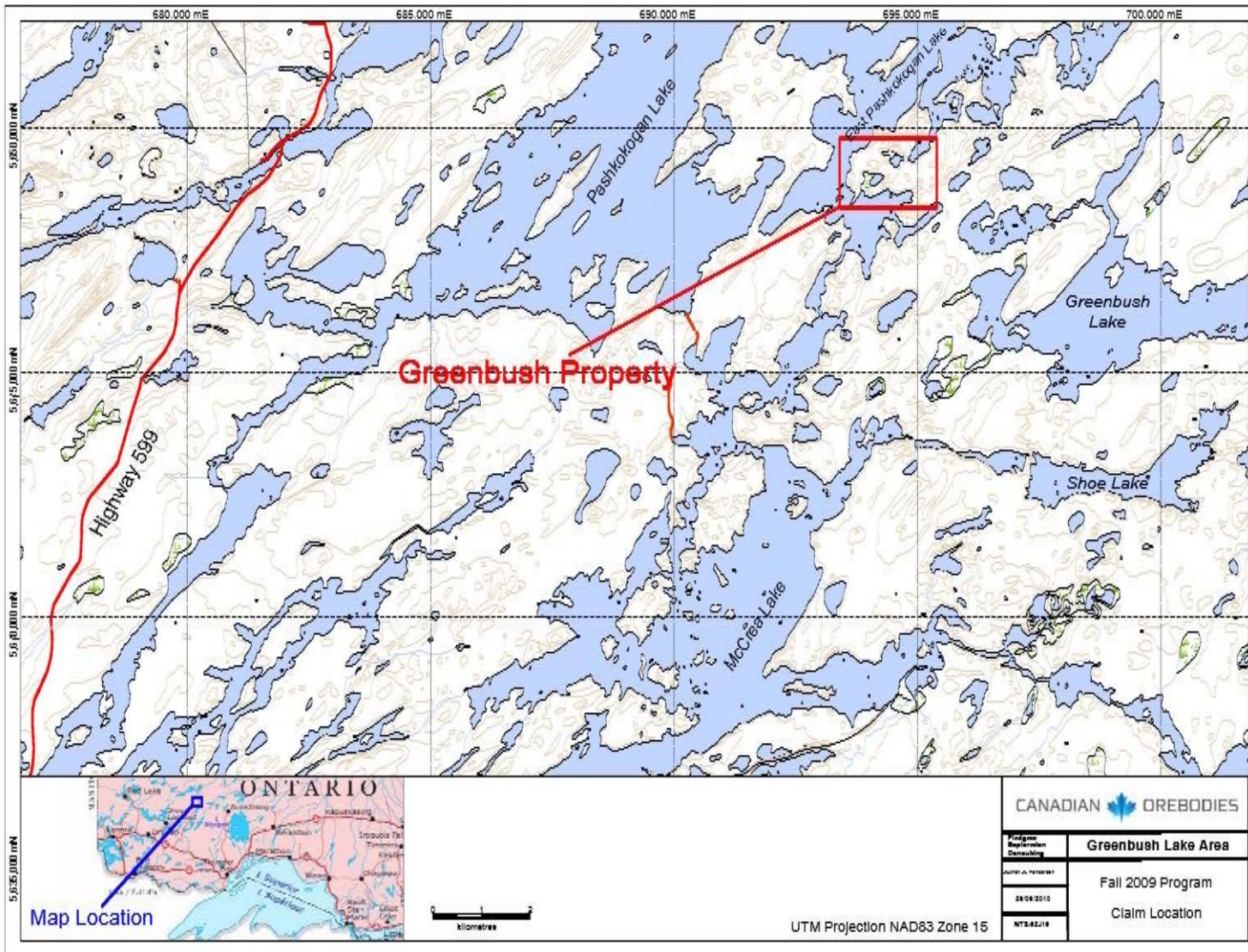


Figure 2 - Greenbush Property Location



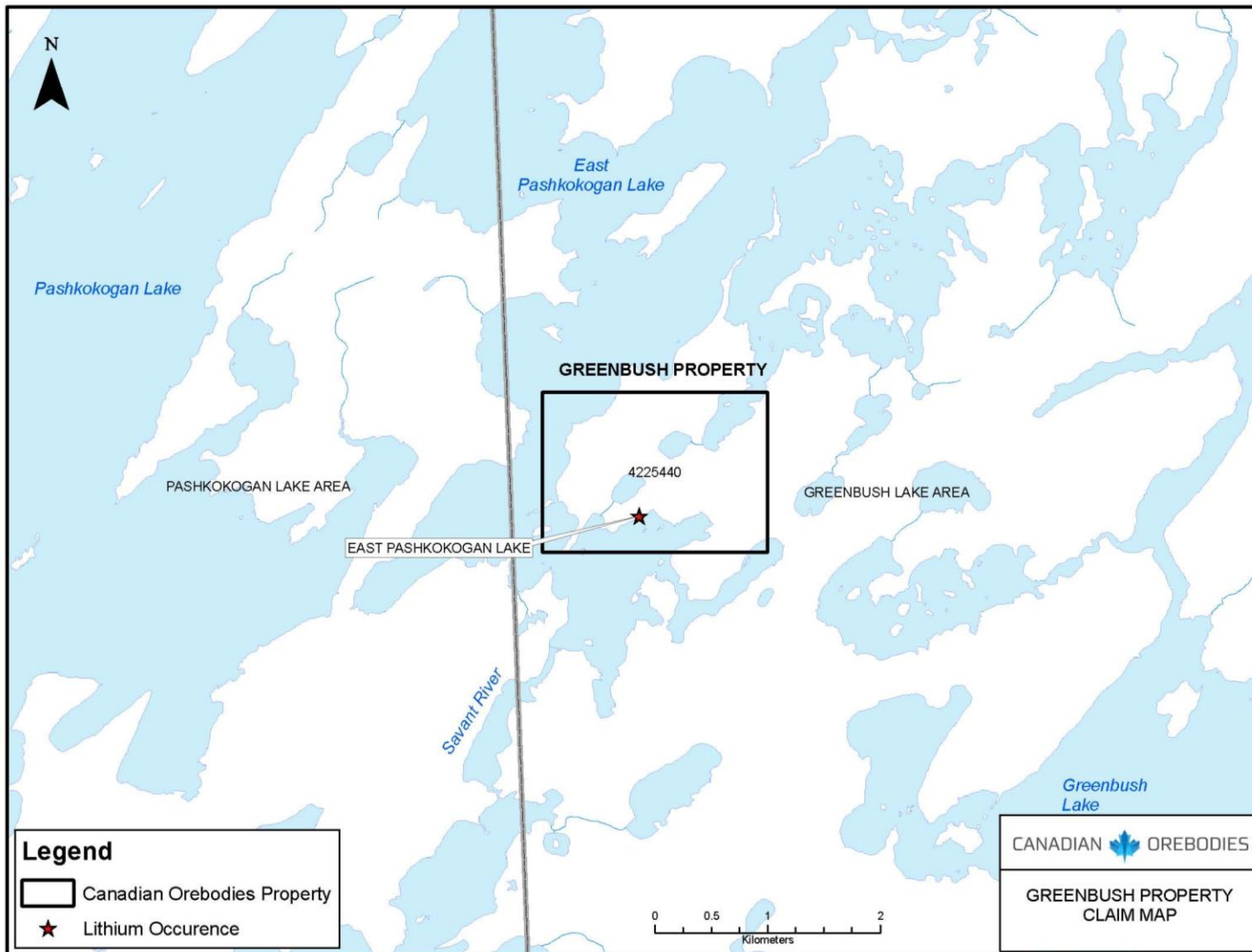


Figure 3 - Greenbush claim and historic lithium occurrence



Table 1 - Greenbush Property Claim

Mining Claim	Township/Area	Units	Date Recorded	Date Due
PA 4225440	Greenbush Lake (G-2054)	15	03-Jul-2009	03-Jul-2011

6 Accessibility, Local Resources and Infrastructure

There are no roads that lead directly to the property; however, the abundance of lakes and rivers in the area provide suitable access to remote areas via watercraft.

Primary access to the property is achieved by Highway 599, approximately 240 kilometers north of Ignace, to the west end of Pashkokogan Lake (inset, Figure 1). It is a 27 kilometer boat ride from the west end of Pashkokogan Lake, north through the narrows, to the southern bay of East Pashkokogan Lake. The pegmatite outcrop of interest is located on the north shore of the southern bay, which lies in the southern portion of the claim block.

7 Climate and Physiography

Climatic conditions during the Fall 2009 program were very atypical, with no snowfall until early December, and temperatures were relatively mild until the end of November, averaging 5°C during the day. Average temperatures are typically much lower, while snow is also typically on the ground.

8 Geological Setting

8.1 Regional and Local Geology

The bedrock in the area is reported (Goodwin, 1965) to be of Precambrian age. It is comprised of an older assemblage of metasediments and metavolcanics and associated mafic intrusions; younger felsic intrusions; and diabase dikes. The metavolcanics consist predominantly of felsic to mafic tuffs, flows and breccias and metamorphic equivalents. There are occasional dikes and sills as well as larger, irregular masses of metadiorite and metagabbro. The metavolcanics of the older assemblage generally overlie but are also interzoned with the older metasediments. Generally, the metasediments consist of quartz-mica schist, arkose, greywacke, staurolite-garnet-andalusite schist, pebble conglomerate and banded iron formation. Together they are conformably overlain by a substantial thickness of assorted felsic to mafic volcanic rocks in which several thinner zones of metasediments are associated. The intrusive rocks primarily include a massive to porphyritic granitic batholith extending to the northwest, as well as smaller granitic stocks, dikes and sills. Pegmatites of a wide variety of shapes and sizes occur locally and in great profusion near the south marginal contact of the granite batholith. Other instances of pegmatite dikelets were formed by injection along fractures.

The Precambrian assemblage is unconformably overlain by unconsolidated till, gravel, sand and clay, primarily of Pleistocene age.



The geological history of the Pashkokogan Lake Area has been summarized in Table 2 below, modified from Goodwin, 1965.

Table 2 - Geological Summary of Formations - Pashkokogan Lake Area

CENOZOIC	
RECENT	Peat, river deposits.
PLEISTOCENE	Boulder till, gravel, sand, clay. <i>Unconformity</i>
PRECAMBRIAN	
LATE MAFIC INTRUSIONS	Diabase (dikes). <i>Intrusive Contact</i>
FELSIC INTRUSIONS ¹	Granite, granodiorite, porphyry, pegmatite, aplite. Granite gneiss, migmatite, granodiorite, pegmatite <i>Intrusive Contact</i>
EARLY MAFIC INTRUSIONS	Metagabbro, amphibolite, lamprophyre. <i>Intrusive Contact</i>
METAVOLCANICS ²	Mafic to felsic lavas, tuffs, breccias and metamorphic equivalents; iron formation; greywacke, shale and metamorphic equivalents.
METASEDIMENTS	Impure quartzite, arkose, argillite, greywacke, pebble conglomerate and metamorphic equivalents including quartz-mica schist, garnet-staurolite-quartz-feldspar schist, quartz-feldspar-andalusite schist; banded quartz-magnetite iron formation; mafic volcanic tuff and metamorphic equivalents including amphibole schist and feldspar-amphibole schist.

¹ Age relationships between the two groups of felsic intrusions are not known.

² The metavolcanics generally overlie but also include some of the metasediments.

8.2 Property Geology

The Greenbush property is comprised primarily of felsic to intermediate metavolcanics with smaller, isolated outcrops of intermediate to mafic metavolcanics in the southern and eastern claim regions (Figure 4). According to Map 2094 in the Goodwin report, the schistosity of the metavolcanics is generally found striking west to southwest with a moderate to steep dip to the north.

A spodumene-bearing pegmatite zone, approximately 50 feet wide and 100 feet in exposed length, is situated on the northeast shore of the southeast bay of East Pashkokogan Lake (Goodwin, 1965).



8.3 Alteration and Mineralization

The mineralization of interest consists of coarse-grained spodumene-bearing pegmatites which are enriched in Li with associated Be, Cs, Ga, Nb, Rb, Sn and Ta (Photo 1 & 2). There is no recognized alteration associated with the mineralized pegmatites into the host metavolcanics and metasediments.



Photo 1 - Spodumene crystal in coarse grained pegmatite, Greenbush property.



Photo 2 - Silver mineral, possible Nb-Ta oxide, in pegmatite, Greenbush property.



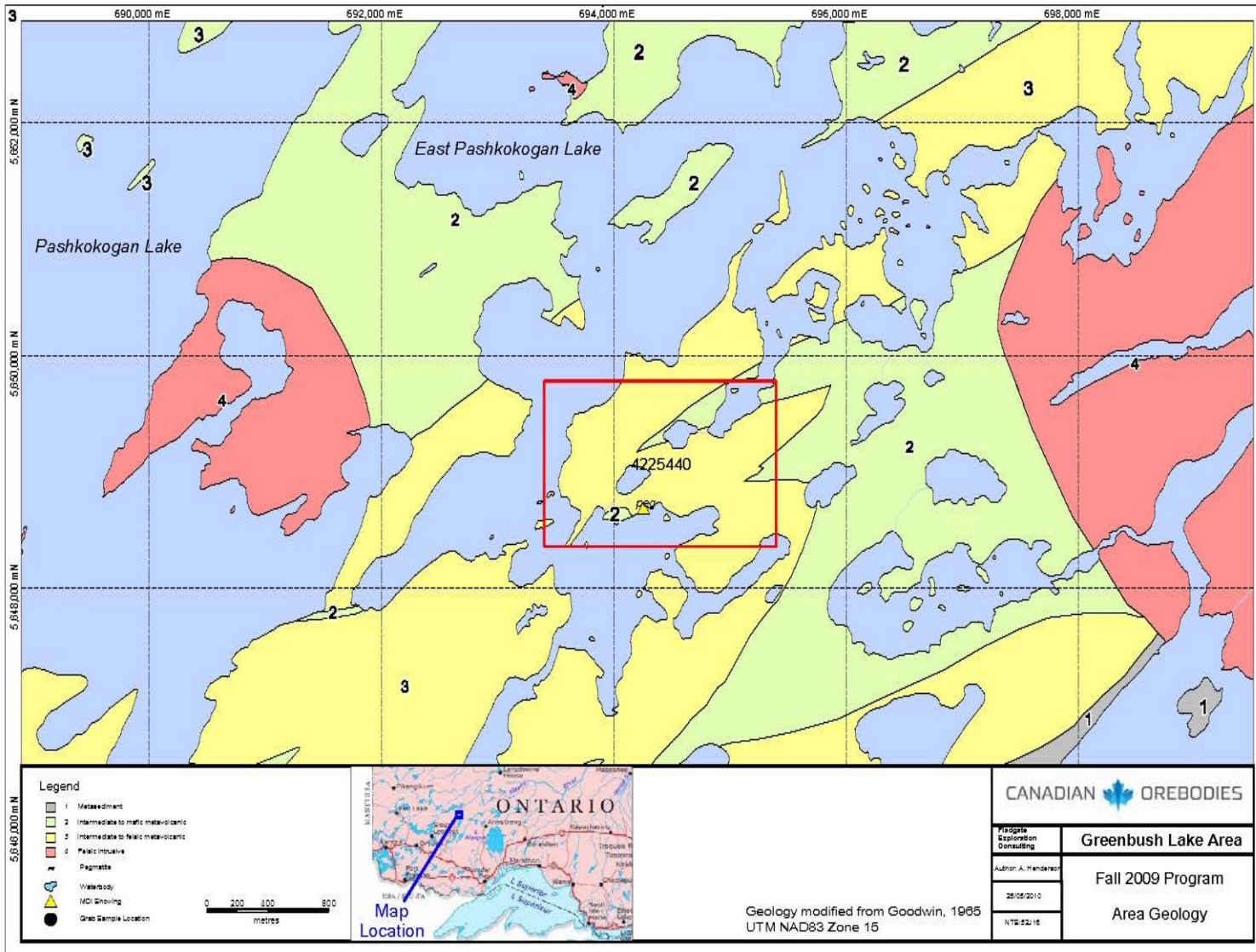


Figure 4 - Greenbush Area Geology



9 Historical Exploration

Past documented exploration is summarized in Table 3 below.

Table 3 - Past Exploration - Greenbush Lake Area

Year	Operator	Work	Principal Reference
unknown	Ontario Department of Mines (assumed)	Chip sample across pegmatite outcrop, 50 feet in width	Goodwin, 1965 Geological Report No. 42
1980	Placer Development Limited	Ground magnetic survey, One hand sample	Kowalczyk, 1980 Report on a Magnetic Survey

Goodwin (1965) provides little detail regarding past exploration of the historical MDI lithium showing of East Pashkokogan Lake. He does, however note the presence of a spodumene-bearing pegmatite which he himself sampled and later documented in Geological Report No. 42 for the Ontario Department of Mines. The spodumene-bearing zone of the pegmatite is about 50 feet wide and 100 feet in exposed length and is situated on the northeast shore of the southeast bay of East Pashkokogan Lake. A chip sample was taken across the full width of 50 feet and was analyzed by the Laboratory Branch of the Ontario Department of Mines with the following results: 1.25% Li₂O; trace Be (about 0.03%); trace Cs (about 0.03%); trace Rb (low, about 0.15%).

Placer Development Limited later performed a ground magnetic survey covering the lithium showing from March 28 to April 22, 1980 (Kowalczyk, 1980). Their principal objective of work was to define a potential for economic tantalum mineralization. The survey was conducted by A.C.A. Howe International Ltd. and comprised of 300 readings over 8.73km of line with 30m station spacing and 120m line separation, and 64 readings over 0.4km of line, with 7.5m station spacing and line separation directly over the outcrop. The magnetic survey was determined unsuccessful in defining the contacts of the lithium-bearing pegmatite, and was thus unable to define the potential size of the outcrop. Assay results from X-Ray Analysis Laboratories Ltd. returned 2.46% Li₂O and 0.01% Ta. In the report, Kowalczyk only mentions the assay results for tantalum, and fails to mention the lithium results, and concludes that although Ta is geochemically anomalous, it is of no interest economically. It is assumed that the anomalous lithium values were of no economic interest at the time of the report.

10 Current Program

Reconnaissance Mapping/Sampling Program

Reconnaissance mapping and sampling was initiated on the southern portion of the property, mainly in an attempt to locate an historical showing (Figure 3). The program took place over two days where 10 grab samples were taken for analysis (Map 1).



The pegmatite outcrop was found on the north shore of a bay at the southern end of East Pashkokogan Lake. The pegmatite outcrop is approximately 15m wide however the southern contact is in the lake so the exact dimensions are unknown. To the west the pegmatite thins and branches into three separate dikes. The nature of the pegmatite to the east is unknown as it is under the lake. The pegmatite is hosted by amphibolites facies, strongly foliated (locally crenulated) and intermediate lapilli to tuff breccias.

The pegmatite is leucocratic and consists of foliated (locally saccharoidal to aplitic) albite-microcline-quartz with local relatively undeformed pegmatitic zones of microcline and spodumene. Fine-grained tourmaline (mostly schorl but some elbaite) is abundant locally as is silvery muscovite. The spodumene crystals are a rather opaque whitish beige colour and are locally altered to a bright green muscovite (clay). No lepidolite was observed. A rare silver oxide mineral with a platy cleavage was also observed possibly representing a Nb-Ta oxide (Photo 2).

The strike of the pegmatite ($\sim 75^\circ$) is oblique to the strike of the regional foliation ($265^\circ/70^\circ\text{S}$), however the dip is sub-vertical or steep to the south where as the foliation dips to the north. The pegmatite appears to be influenced by the main foliation (foliated and boudinaged) but perhaps intruded during the later stages of the deformation.

The mapping and sampling program was organized and performed by Neil Pettigrew, P. Geo. and Therese Lynch, P. Geo., of Fladgate Exploration Consulting Corporation.

11 Sampling Method and Approach

Whole rock samples of the pegmatite were taken by hand throughout the program. No standard, blank or duplicate samples were inserted with grab sample analysis.

12 Sample Preparation, Analysis and Security

All 10 grab samples for the fall program were packed in rice bags and secured with security tags, which were hand delivered to ALS Chemex Laboratories in Thunder Bay, Ontario, for assay.

Preparation of the grab samples included logging, weighing, drying, and finely crushing to better than 70% passing a 2mm screen. A split of the sample was taken and pulverized to better than 85% passing a 75 micron screen. QC testing of crushing and pulverizing efficiency was also performed independently by the laboratory on random samples.

Methods of sample analysis included a combination of ME-MS61 and ME-MS81D procedures. The ME-MS61 method includes four acid "near-total" digestion which uses both the ICP-MS and ICP-AES techniques. The ME-MS81D method includes lithium borate fusion testing for rare earth and trace elements using ICP-MS techniques. Overlimits on specified elements were automatically rerun at higher detection limits using the ME-XRF05 procedure involving X-Ray Fluorescence Spectroscopy.



13 Interpretations and Conclusions

Nearly all of the Greenbush property grab samples returned with anomalous results. Four of the 10 grab samples returned with assay results greater than 4,000 ppm lithium up to 9,120 ppm lithium (0.95% to 1.96% Li₂O), along with associated anomalous spikes in beryllium, cesium, gallium, niobium, rubidium, tin and tantalum. Sample H181060 returned the highest lithium value at 9,120 ppm Li, and the hand sample was reported to contain an odd, fine grained, locally platy, silver green oxide mineral, possibly a Nb-Ta oxide. Conversely, the lowest lithium values came from samples H181063, H181067 and H181068. Sample H181063 was sampled from a small, 20cm wide pink aplitic pegmatite dike to the east of the larger lithium pegmatite dike, and does not appear to be connected to the lithium pegmatite dike. The other two samples, H181067 and H181068, were sampled on two of the three small branches emanating to the west off the main lithium pegmatite dike. It appears the highest lithium values came from samples concentrated where the bulk of the lithium pegmatite is exposed at surface. It is unknown how far the pegmatite(s) extends under the lake to the south and east.

A complete summary of the grab sample results are outlined in Table 4 below. Sample descriptions are provided in Appendix III, and sample locations are plotted on Map 1.

Table 4 - Grab Sample Analysis - Greenbush Property

Sample #	Li ₂ O %	Li %	Li ppm	Be ppm	Cs ppm	Ga ppm	Nb ppm	Rb ppm	Sn ppm	Ta ppm
H181059	1.19	0.55	5520	139	156	25.6	32.9	580	25	21.3
H181060	1.96	0.91	9120	171	170.5	36.2	105	750	68.8	48.9
H181061	0.85	0.39	3940	159	490	24.7	109	3110	23.6	36.1
H181062	0.95	0.44	4420	480	265	30.2	177.5	650	62.9	100
H181063	0.00	0.00	17.3	76	13.25	23.9	65.5	165.5	6	59.9
H181064	1.58	0.73	7340	70.8	48.3	36	53.8	228	63.7	25.4
H181065	0.04	0.02	195.5	158	64.3	28	167.5	380	27.8	79
H181066	0.12	0.06	560	204	152.5	35.4	127.5	750	65.9	75
H181067	0.02	0.01	101.5	85.2	104	24.3	134.5	1390	18.4	58.6
H181068	0.01	0.00	36.1	76.5	52	26.4	39	305	35.4	16

Note: Li ppm provided from assay results
 Li % = XXXX ppm/10,000
 Li₂O % = (XXXX ppm/1,000,000) x 2.153 x 100%

14 Recommendations

The current claim dimensions fully cover the showing. However, it is recommended that further staking take place to cover a 16 unit block to the south as the nature of the pegmatite(s) under the lake are unknown. It is recommended to follow up with a systematic program including geological mapping and sampling as well as trenching to expose the pegmatite outcrop away from the shoreline.



15 References and Literature

Author	Year	Title
Kowalczyk, Peter	1980	Report on a Magnetic Survey. East Pashkokogan Lake Claim Group, Belore Mines Ltd. by Placer Development Limited.
Goodwin, A. M.	1965	Geology of Pashkokogan Lake-Eastern Lake St. Joseph Area, Districts of Thunder Bay and Kenora. Ontario Department of Mines - Geological Report No. 42
Goodwin, A. M.	1965	Map 2094 Pashkokogan Lake Sheet. Geology of Pashkokogan Lake-Eastern Lake St. Joseph Area, Districts of Thunder Bay and Kenora. Ontario Department of Mines - Geological Report No. 42.



16 Date

This report was completed on May 28, 2010.

17 Statement of Qualifications

STATEMENT OF QUALIFICATIONS

I, Michael John Thompson, of the CITY of THUNDER BAY, in the PROVINCE of ONTARIO, hereby certify:

I am the President and a Principal Geologist for the geological consulting firm Fladgate Exploration Consulting Corporation.

I graduated from the University of Toronto in Toronto, Ontario, Canada and received my Honours Bachelor of Science Degree, Geology in 1997.

I have practiced continuously as an exploration geologist from that time until present that has included the design and implementation of a variety of grassroots, advanced, mine exploration and research projects in precious, base metal and industrial mineral programs in North and South America.

I am a member in good standing of the Association of Professional Geoscientists of Ontario (APGO #1521). I am also a member in good standing with the Prospectors and Developers Association of Canada, the Ontario Prospectors Association, the Society of Economic Geologists and the Geological Association of Canada.

I am, through Fladgate Exploration Consulting Corporation, currently providing consulting services to Canadian Orebodies Inc.

I have no interest, either directly or indirectly, in the subject property.

This report is based on a study of all information made available to me, both published and unpublished, and on information collected in the field by Fladgate Exploration Consulting Corporation personnel under my supervision, or provided to me during the period October, 2009 to April, 2010.

Dated in Thunder Bay, Ontario this 28th day of May, 2010.



Michael John Thompson, P. Geo.



STATEMENT OF QUALIFICATIONS

I, Neil Pettigrew, of the CITY of THUNDER BAY, in the PROVINCE of ONTARIO, hereby certify:

I am a geologist currently employed by, and part owner of, Fladgate Exploration Consulting Corporation and reside at 10 Dixon St., Thunder Bay, Ontario, Canada P7B 1N7

I received my Honours Bachelor of Science Degree, in Environmental Geochemistry in 1999 from the University of New Brunswick in Fredericton, New Brunswick, Canada and a Master of Science Degree in Earth Sciences from the University of Ottawa, Ottawa, Canada in 2004. .

I have practiced continuously as an exploration geologist since 2000; this has included the design and implementation of a variety of grassroots, advanced, mine exploration and research projects in precious and base metal programs in Canada.

I am currently registered as a practicing professional geologist, #1462, with the Association of Professional Geoscientists of Ontario (APGO).

I am also a member in good standing with the Prospectors and Developers Association of Canada.

I am, through Fladgate Exploration Consulting Corporation, currently providing consulting services to Canadian Orebodies Inc.

I have no interest, either directly or indirectly, in the subject property.

This report is based on a study of all information made available to me, both published and unpublished, and on information collected in the field by myself and by Fladgate Exploration Consulting Corporation personnel under my supervision, or provided to me during the period October, 2009 to April, 2010.

Dated in Thunder Bay, Ontario this 28th day of May, 2010.



Neil Pettigrew, M.Sc. P.Geol.



STATEMENT OF QUALIFICATIONS

I, Bonnie Adelle Craig, of the CITY of THUNDER BAY, in the PROVINCE of ONTARIO, hereby certify:

I am employed with the geological consulting firm Fladgate Exploration Consulting Corporation.

I am a 4th Year Bachelor of Science Undergraduate student from the University of Victoria, British Columbia, Canada and study geological sciences.

I have been employed periodically as a Project Manager from July 2006 until present that has included the design and implementation of a variety of grassroots, advanced, mine exploration and research projects in precious, base metal and industrial mineral programs for both junior mining companies and consulting firms in North America.

I am, through Fladgate Exploration Consulting Corporation, currently providing consulting services to Canadian Orebodies Inc.

I have no interest, either directly or indirectly, in the subject property.

This report is based on a study of all information made available to me, both published and unpublished, and on information collected in the field by myself and by Fladgate Exploration Consulting Corporation personnel, or provided to me during the period October, 2009 to April, 2010.

Dated in Thunder Bay, Ontario this 28th day of May, 2010.



Bonnie Adelle Craig



STATEMENT OF QUALIFICATIONS

I, Avery David Henderson, of the CITY of THUNDER BAY, in the PROVINCE of ONTARIO, hereby certify:

I am employed with the geological consulting firm Fladgate Exploration Consulting Corporation.

I am a graduate of Lakehead University, Thunder Bay, Ontario, with an Honours Bachelor of Science degree, majoring in Geology.

I have been employed as a Project Manager with Fladgate Exploration Consulting Company since my graduation in May, 2008.

I am, through Fladgate Exploration Consulting Corporation, currently providing consulting services to Canadian Orebodies Inc.

I have no interest, either directly or indirectly, in the subject property.

This report is based on a study of all information made available to me, both published and unpublished, and on information collected in the field by myself and by Fladgate Exploration Consulting Corporation personnel, or provided to me during the period October, 2009 to April, 2010.

Dated in Thunder Bay, Ontario this 28th day of May, 2010.



Avery David Henderson



Appendices



Appendix I Schedule of Costs

Work Performed			
Date From	Date To	Description	Cost
17-Nov-09	28-May-10	Senior Geologist Consulting Fees	\$4,315.18
18-Nov-09	28-May-10	Project Geologists/Managers Consulting Fees	\$7,137.32
Travel			
Date From	Date To	Description	Cost
17-Nov-09	19-Nov-09	Truck Rental	\$426.80
18-Nov-09	20-Nov-09	Boat/Motor Rental	\$375.00
15-Nov-09	20-Nov-09	Fuel	\$299.92
Supplies			
Date From	Date To	Description	Cost
06-Jan-10	11-Jan-10	Sample Analysis	\$762.52
18-Nov-09	18-Nov-09	Field Supplies	\$99.24
TOTAL			\$13,415.98



Appendix II Work Schedule

2009 Work Schedule

Legend	
	Field time
	Office time

Date	N. Pettigrew Senior Geologist	T. Lynch Project Geologist
17-Nov-09	0.25	
18-Nov-09	1.00	1.00
19-Nov-09	1.00	1.00
20-Nov-09	0.25	
21-Nov-09		
22-Nov-09		
23-Nov-09		
24-Nov-09		
25-Nov-09	0.25	
26-Nov-09	0.25	
Field time	2.00	2.00
Office time	1.00	
Total time	3.00	2.00

2010 Office Schedule

Date	M. Thompson Senior Geologist	B. Craig Project Manager	A. Henderson Project Manager
21-Apr-10		0.25	
25-Apr-10		0.70	
26-Apr-10		1.00	
18-May-10		0.75	
25-May-10		0.25	
26-May-10	0.50	1.00	1.00
27-May-10	1.00	1.00	1.00
28-May-10	0.50	1.00	
Total time	2.00	5.95	2.00



Appendix III Samples

Sample #	UTM Zone	Easting	Northing	Description
H181059	15	694271	5648688	from bedrock, tourmaline-rich ~8% saccharoidal texture, albite-microcline and qtz ~2-3% muscovite
H181060	15	694265	5648692	angular piece of loose kicked up from blow down, muscovite-rich sample with odd f.g. locally platy silvery green oxide (Nb-Ta oxide?)
H181061	15	694263	5648698	angular piece of loose kicked up from blow down, microcline-rich with v. saccharoidal translucent well foliated qtz matrix
H181062	15	694259	5648693	angular piece of frost heave, very pegmatitic, undeformed with crystals >5cm, spodumene-rich with bright green clay (muscovite) alteration, microcline still makes up 75% of the sample
H181063	15	694310	5648698	from bedrock, 20cm pegmatite dyke, pink aplitic, dyke is oblique (~120 subvertical to steep south dip) to the foliation and highly deformed by it, dyke does not appear to connect to large lithium pegmatite to the west
H181064	15	694264	5648684	from bedrock, lots of coarse grained (up to 10cm) spodumene (possibly odd microcline crystals)
H181065	15	694261	5648685	from bedrock, tourmaline-rich ~10%, coarser tourmaline than usual very dark (schorl) almost looks like hornblende in a microcline matrix, trace py, mineral alignment strike is ~50 degrees
H181066	15	694260	5648689	from bedrock, strong mineral foliation, from same area as old channel sample, has lots of muscovite, tourmaline and trace spodumene, very microcline-albite-rich
H181067	15	694227	5648695	from bedrock, medium grained, minor tourmaline lots of microcline, minor muscovite, from 2.5m wide dyke emanating off the western side of the big pegmatite outcrop
H181068	15	694221	5648663	from bedrock, pegmatite dyke hosted with intermediate lapilli tuff (foliation 262/68N), dyke has deformed cusped contacts with pegmatite dyke (most likely a dyke emanating off the big pegmatite outcrop to the east), dyke is ~1.5m wide and subvertical with to steeply dipping to the South, strike of ~76 degrees, pegmatite is aplitic (saccharoidal) and slightly pinkish with ~3% f.g. tourmaline, and minor muscovite, from outcrop-20

Note: UTM Zone 15 NAD 83





ALS Chemex

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Page: 1
Finalized Date: 11-JAN-2010
Account: FLGEXP

CERTIFICATE TB10001810

Project: COB-LITH

P.O. No.:

This report is for 10 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 6-JAN-2010.

The following have access to data associated with this certificate:

AVERY HENDERSON

MICHAEL THOMPSON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rod w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP06	Whole Rock Package - ICP-AES	ICP-AES
OA-GRA05	Loss on Ignition at 1000C	WST-SEQ
ME-MS81	38 element fusion ICP-MS	ICP-MS
TOT-ICP06	Total Calculation for ICP06	ICP-AES
ME-MS61	48 element four acid ICP-MS	

To: FLADGATE EXPLORATION CONSULTING
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195 PARK AVE
THUNDER BAY ON P7B 1B9

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - G)
Plus Appendix Pages
Finalized Date: 11-JAN-2010
Account: FLGEXP

Project: COB-LITH

CERTIFICATE OF ANALYSIS TB10001810

Sample Description	Method Analyte Units LOR	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	B ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %
		0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
H181059		1.37	0.03	5.90	2.5	10	139.0	0.24	0.09	0.05	0.78	0.4	11	156.0	3.4	0.36
H181060		1.68	<0.01	6.99	5.0	<10	171.0	0.15	0.09	0.10	0.22	0.2	7	170.5	0.9	0.26
H181061		2.39	0.01	6.84	3.7	70	159.0	0.30	0.11	<0.02	0.15	0.1	5	>500	1.0	0.19
H181062		1.56	<0.01	6.34	4.6	300	480	0.26	0.33	0.22	0.27	0.3	9	265	1.1	0.33
H181063		0.62	0.18	6.55	1.5	70	76.0	0.14	0.30	0.11	3.39	0.7	7	13.25	128.0	0.24
H181064		0.62	0.04	6.71	2.5	210	70.8	31.1	0.20	<0.02	0.56	0.4	6	48.3	7.7	0.42
H181065		0.90	0.16	6.75	0.8	120	158.0	0.25	1.01	0.15	2.84	1.9	5	64.3	25.1	1.70
H181066		1.33	<0.01	7.12	1.8	90	204	0.25	0.25	<0.02	0.69	0.2	7	152.5	1.6	0.42
H181067		1.06	0.01	6.82	4.2	50	85.2	0.21	0.28	<0.02	2.95	0.2	5	104.0	8.4	0.21
H181068		1.27	0.06	6.47	1.1	50	76.5	0.09	0.28	0.17	2.83	0.4	9	52.0	7.6	0.30

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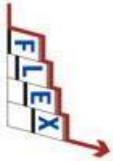
Page: 2 - B
Total # Pages: 2 (A - G)
Plus Appendix Pages
Finalized Date: 11-JAN-2010
Account: FLGEXP

Project: COB-LITH

CERTIFICATE OF ANALYSIS TB10001810

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Ga ppm 0.05	Ge ppm 0.05	Hf ppm 0.1	In ppm 0.005	K % 0.01	La ppm 0.5	Li ppm 0.2	Mg % 0.01	Mn ppm 5	Mo ppm 0.05	Na % 0.01	Nb ppm 0.1	Ni ppm 0.2	P ppm 10	Pb ppm 0.5
H181059		25.6	<0.05	3.4	<0.005	1.18	<0.5	5520	0.03	297	0.09	3.64	32.9	4.2	2600	4.1
H181060		36.2	<0.05	2.4	<0.005	1.25	<0.5	9120	0.02	266	0.06	2.51	105.0	1.8	3090	4.9
H181061		24.7	<0.05	0.9	<0.005	5.53	<0.5	3940	0.01	104	0.06	1.96	109.0	1.1	4300	9.0
H181062		30.2	<0.05	1.6	<0.005	2.15	<0.5	4420	0.04	296	0.08	3.33	177.5	2.5	6760	5.4
H181063		23.9	<0.05	2.4	0.008	1.45	1.9	17.3	0.03	112	0.07	5.96	65.5	2.4	1480	8.4
H181064		36.0	<0.05	1.3	<0.005	1.45	<0.5	7340	0.04	476	0.07	2.57	53.8	1.1	2140	2.8
H181065		28.0	<0.05	6.4	<0.005	1.14	1.1	195.5	0.30	681	0.05	3.18	167.5	2.0	4850	4.9
H181066		35.4	<0.05	2.1	<0.005	1.67	<0.5	560	0.04	440	0.06	4.10	127.5	1.1	2990	4.5
H181067		24.3	<0.05	0.9	<0.005	3.38	1.4	101.5	0.01	74	0.05	4.71	134.5	1.2	2550	7.2
H181068		26.4	<0.05	2.2	<0.005	0.81	1.4	36.1	0.02	163	0.10	4.68	39.0	1.6	1540	5.7

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Page: 2 - C

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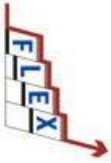
Account: FLGEXP

Project: COB-LITH

CERTIFICATE OF ANALYSIS TB10001810

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Ra ppm 0.1	Re ppm 0.002	S % 0.01	Sb ppm 0.05	Sc ppm 0.1	Se ppm 1	Sn ppm 25.0	Sr ppm 13.5	Ta ppm 21.3	Te ppm <0.05	Th ppm 0.2	Ti % 0.005	Tl ppm 0.02	U ppm 0.1	V ppm 1
H181059		590	<0.002	<0.01	0.49	0.3	1	25.0	13.5	21.3	<0.05	0.2	<0.005	4.36	0.9	<1
H181060		750	<0.002	<0.01	0.94	0.4	2	68.8	6.6	48.9	<0.05	<0.2	<0.005	4.83	3.7	<1
H181061		3110	<0.002	<0.01	0.79	0.3	1	23.6	26.7	36.1	<0.05	<0.2	<0.005	23.9	1.1	<1
H181062		650	<0.002	<0.01	1.09	0.4	1	62.9	60.2	100.0	0.05	0.2	<0.005	4.69	5.5	<1
H181063		165.5	<0.002	0.01	0.08	0.4	1	6.0	42.0	59.9	<0.05	0.4	<0.005	0.90	2.8	1
H181064		228	<0.002	<0.01	0.38	0.7	1	63.7	83.8	25.4	<0.05	0.2	<0.005	1.65	0.6	<1
H181065		360	<0.002	<0.01	0.21	0.6	1	27.8	75.3	79.0	<0.05	0.6	0.015	2.48	2.6	4
H181066		750	<0.002	<0.01	0.25	0.4	1	65.9	18.4	75.0	<0.05	0.4	0.005	4.45	7.2	<1
H181067		1390	<0.002	<0.01	0.40	0.2	1	18.4	19.9	58.6	<0.05	0.3	<0.005	9.48	6.8	1
H181068		305	<0.002	<0.01	0.44	0.7	1	35.4	14.0	16.00	<0.05	0.3	<0.005	1.60	2.0	<1

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Page: 2 - D
Total # Pages: 2 (A - G)
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Finalized Date: 11-JAN-2010
Account: FLGEXP

Project: COB-LITH

CERTIFICATE OF ANALYSIS TB10001810

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		W ppm	Y ppm	Zn ppm	Zr ppm	Ag ppm	Ba ppm	Ca ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Dy ppm	Er ppm	Eu ppm	Ga ppm
		0.1	0.1	2	0.5	1	0.5	0.5	0.5	10	0.01	5	0.05	0.03	0.03	0.1
H181059		0.3	0.3	119	29.8	<1	11.2	1.5	0.5	20	178.0	<5	0.07	<0.03	<0.03	27.2
H181060		1.1	0.4	40	17.6	<1	4.8	<0.5	<0.5	10	179.5	<5	0.09	<0.03	<0.03	34.8
H181061		0.8	0.2	16	7.5	<1	70.9	<0.5	<0.5	10	497	<5	0.05	<0.03	<0.03	22.7
H181062		1.9	0.7	35	10.9	<1	317	0.5	<0.5	30	282	<5	0.15	0.04	<0.03	28.7
H181063		0.6	1.1	28	21.9	<1	69.4	4.0	0.7	20	13.95	126	0.19	0.07	0.10	22.8
H181064		0.6	0.7	17	9.2	<1	229	1.3	0.5	10	57.6	8	0.20	0.04	<0.03	37.3
H181065		1.2	5.7	282	62.6	<1	128.0	3.4	2.0	10	68.5	25	1.01	0.27	0.17	32.4
H181066		2.0	0.4	80	15.6	<1	87.2	0.9	<0.5	20	163.0	<5	0.05	<0.03	<0.03	34.8
H181067		1.1	0.7	55	7.6	<1	49.0	4.2	<0.5	10	113.5	9	0.17	0.06	0.09	24.9
H181068		1.3	1.6	30	24.5	<1	56.4	2.9	<0.5	10	56.8	8	0.22	0.08	0.12	26.2

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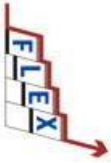
Account: FLGEXP

Project: COB-LITH

CERTIFICATE OF ANALYSIS TB10001810

Sample Description	Method Analyte Units LOK	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81
		Gd ppm 0.05	Hf ppm 0.2	Ho ppm 0.01	La ppm 0.5	Lu ppm 0.01	Mo ppm 2	Nb ppm 0.2	Nd ppm 0.1	Ni ppm 5	Pb ppm 5	Pr ppm 0.03	Rb ppm 0.2	Sm ppm 0.03	Sr ppm 1	Sr ppm 0.1
H181059		0.10	2.8	0.01	0.9	<0.01	<2	38.9	0.5	7	5	0.15	593	0.10	38	16.6
H181060		0.05	2.2	0.01	<0.5	<0.01	<2	109.5	0.1	<5	5	0.04	730	0.05	95	7.2
H181061		<0.05	1.3	0.01	<0.5	<0.01	<2	92.0	0.1	<5	10	0.03	2850	<0.03	130	27.8
H181062		0.09	1.5	0.02	<0.5	<0.01	<2	162.0	0.1	5	5	0.05	630	0.09	127	64.9
H181063		0.53	2.2	0.03	2.4	0.01	<2	72.1	2.4	<5	8	0.50	188.5	0.60	11	42.1
H181064		0.17	1.0	0.02	0.8	<0.01	<2	36.8	0.5	<5	<5	0.13	295	0.17	155	100.5
H181065		0.94	5.9	0.12	1.4	0.03	<2	164.0	2.0	<5	6	0.47	377	0.94	67	77.7
H181066		0.06	2.3	0.01	0.6	<0.01	<2	138.5	0.2	<5	5	0.07	718	0.04	119	18.7
H181067		0.35	0.9	0.03	2.4	0.01	<2	132.0	1.8	<5	9	0.48	1345	0.40	39	21.0
H181068		0.58	2.2	0.04	1.4	0.01	<2	35.4	1.8	<5	6	0.40	321	0.53	78	15.3

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Page: 2 - F
Total # Pages: 2 (A - G)
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Finalized Date: 11-JAN-2010
Account: FLGEXP

Project: COB-LITH

CERTIFICATE OF ANALYSIS TB10001810

Sample Description	Method Analyte Units LOR	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-ICP06	ME-ICP06	ME-ICP06
		Ta ppm 0.1	Tb ppm 0.01	Th ppm 0.05	Tl ppm 0.5	Tm ppm 0.01	U ppm 0.05	V ppm 5	W ppm 1	Y ppm 0.5	Yb ppm 0.03	Zn ppm 5	Zr ppm 2	SiO2 % 0.01	Al2O3 % 0.01	Fe2O3 % 0.01	
H181059		23.3	0.02	0.19	3.1	<0.01	1.43	<5	1	0.5	0.03	224	28	74.5	15.75	0.68	
H181060		55.0	0.02	0.15	3.5	0.01	4.73	<5	1	0.5	0.03	60	18	74.9	16.95	0.40	
H181061		32.6	0.01	0.07	15.9	0.01	1.42	<5	1	<0.5	<0.03	26	13	70.9	16.45	0.31	
H181062		101.0	0.03	0.21	2.9	0.01	6.69	<5	2	0.9	0.04	49	12	72.0	15.60	0.53	
H181063		73.5	0.06	0.46	0.7	<0.01	3.14	<5	1	1.1	0.05	31	22	72.4	15.00	0.36	
H181064		21.5	0.05	0.38	1.2	0.01	0.80	<5	1	1.2	0.05	22	9	74.0	16.15	0.64	
H181065		77.8	0.22	0.71	2.3	0.04	3.14	<5	1	6.0	0.23	608	62	70.9	14.45	2.74	
H181066		82.9	0.01	0.45	3.8	0.02	8.20	<5	3	<0.5	<0.03	138	21	72.1	16.40	0.69	
H181067		58.3	0.05	0.32	6.5	0.02	7.96	<5	1	0.9	0.04	107	11	69.6	16.60	0.38	
H181068		15.2	0.07	0.31	1.3	0.01	2.09	<5	1	1.5	0.06	52	24	74.5	14.45	0.47	

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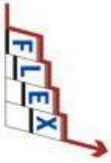
Page: 2 - G
 Total # Pages: 2 (A - G)
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 Finalized Date: 11-JAN-2010
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Project: COB-LITH

CERTIFICATE OF ANALYSIS TB10001810

Sample Description	Method Analyte Units LOR	ME-ICP05	ME-ICP06	ME-ICP06	ME-ICP09	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	QA-GRAD5	TOT-ICP06
		CaO %	MgO %	Na2O %	K2O %	Cr2O3 %	TiO2 %	MnO %	P2O5 %	SiO %	BaO %	LOI %	Total %
		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
H181059		0.16	0.06	5.03	1.42	<0.01	0.01	0.05	0.57	<0.01	<0.01	0.20	98.4
H181060		0.12	0.03	3.41	1.48	<0.01	<0.01	0.04	0.70	<0.01	<0.01	0.30	98.3
H181061		0.14	0.04	2.63	6.73	<0.01	<0.01	0.01	0.91	0.01	<0.01	0.00	98.1
H181062		0.55	0.09	4.46	2.59	<0.01	0.01	0.04	1.48	0.01	0.04	0.70	98.1
H181063		0.46	0.05	7.87	1.71	<0.01	0.01	0.02	0.30	0.01	0.01	0.00	98.2
H181064		0.34	0.09	3.58	1.81	<0.01	0.01	0.07	0.48	0.01	0.03	0.90	98.1
H181065		1.38	0.51	4.30	1.34	<0.01	0.03	0.10	1.03	0.01	0.01	1.40	98.2
H181066		0.33	0.07	5.57	1.99	<0.01	0.01	0.06	0.64	<0.01	<0.01	1.30	99.2
H181067		0.44	0.02	6.43	4.09	<0.01	<0.01	0.01	0.55	<0.01	0.01	0.70	98.8
H181068		0.43	0.05	6.83	1.06	<0.01	0.01	0.02	0.34	<0.01	0.01	0.00	98.2

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Page: Appendix 1

Total # Appendix Pages: 1

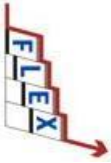
Finalized Date: 11-JAN-2010

Account: FLGEXP

Project: COB-LITH

CERTIFICATE OF ANALYSIS TB10001810

Method	CERTIFICATE COMMENTS
ME-MS61	REE's may not be totally soluble in this method.



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Page: 1

Finalized Date: 7-MAR-2010

Account: FLGEXP

CERTIFICATE TB10020489

Project: COB-LITH

P.O. No.:

This report is for 1 Rock sample submitted to our lab in Thunder Bay, ON, Canada on 24-FEB-2010.

The following have access to data associated with this certificate:

AVERY HENDERSON

MICHAEL THOMPSON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

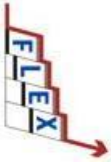
ALS CODE	DESCRIPTION	INSTRUMENT
ME-XRF05	Trace Level XRF Analysis	XRF

To: FLADGATE EXPLORATION CONSULTING
ATTN: AVERY HENDERSON
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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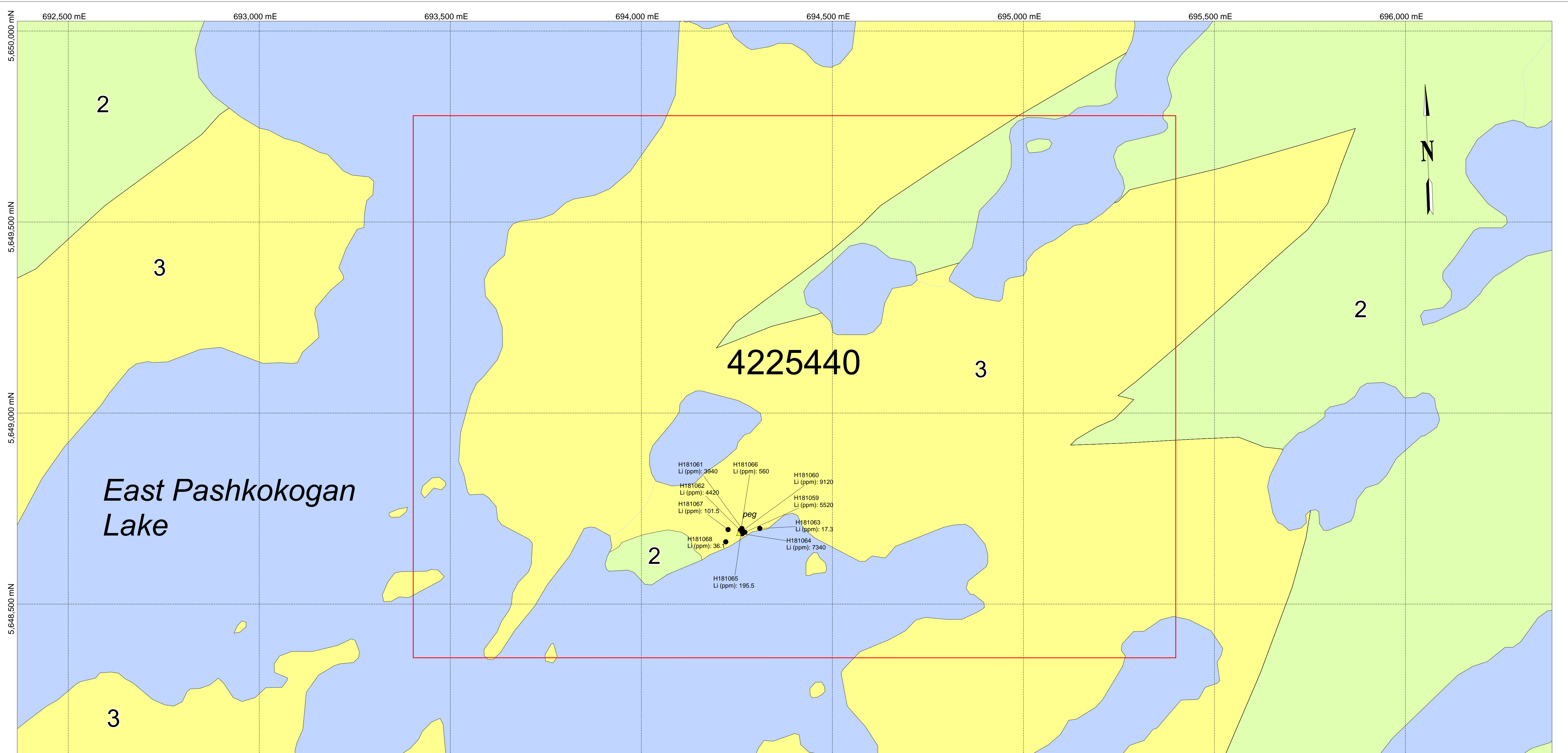
To: FLADGATE EXPLORATION CONSULTING
195 PARK AVE
THUNDER BAY ON P7B 1B9

Page: 2 - A
Total # Pages: 2 (A)
Finalized Date: 7-MAR-2010
Account: FLGEXP

Project: COB-LITH

CERTIFICATE OF ANALYSIS TB10020489

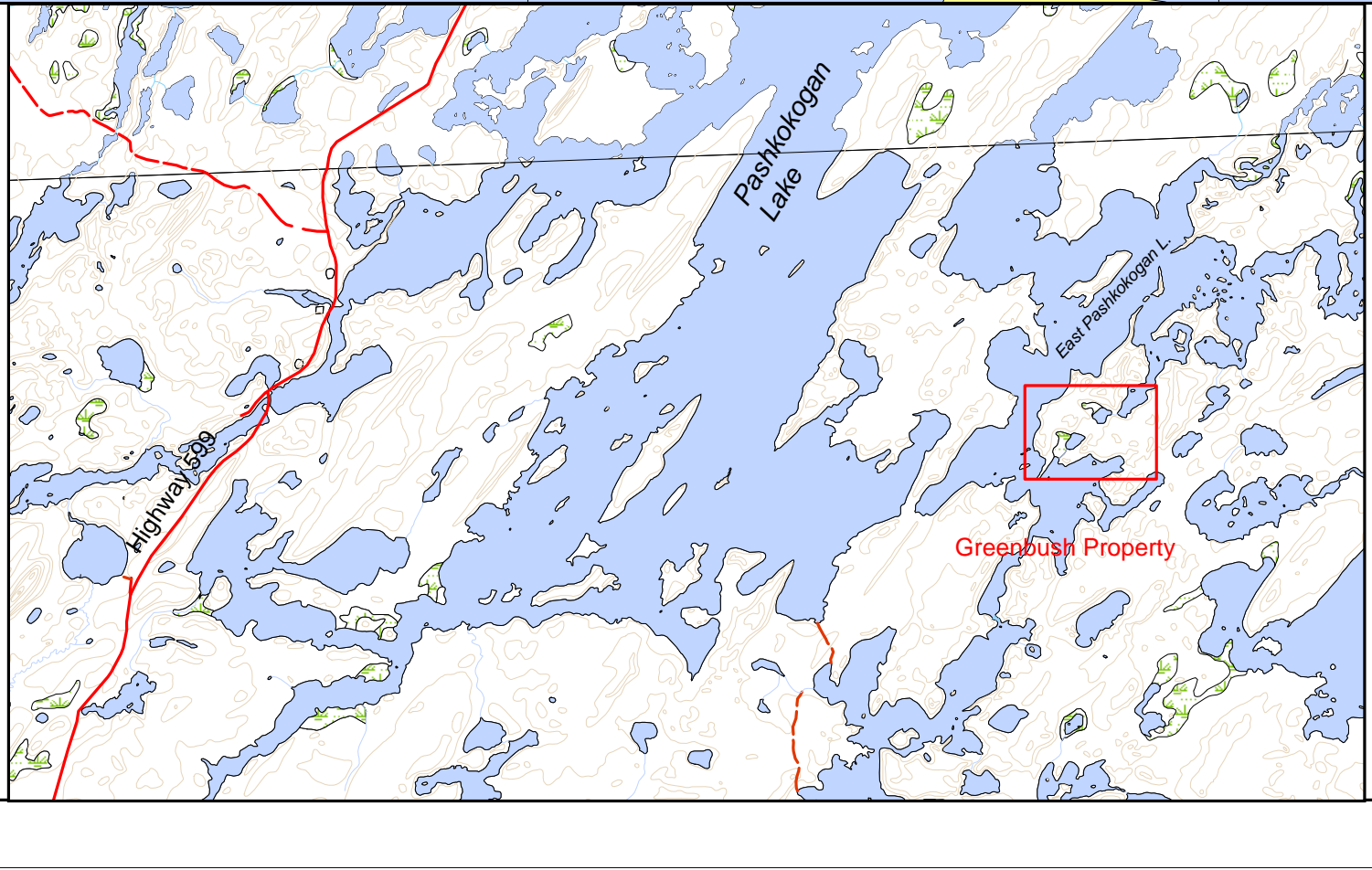
Sample Description	Method Analyte Units LOR	ME-XRF05 Cs ppm 10
H181051		490



Legend

- 1 Metasediment
- 2 Intermediate to mafic metavolcanic
- 3 Intermediate to felsic metavolcanic
- 4 Felsic intrusive
- peg Pegmatite
- Waterbody
- MDI Showing
- Grab Sample Location

0 200 400 800 metres



Geology Modified from Goodwin, 1965
UTM NAD83 Zone 15

CANADIAN OREBODIES

Fladgate Exploration Consulting	Greenbush Property
Author: A. Henderson	
25/05/2010	Fall 2009 Program
NTS:52J16	
Map 1	