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PARTS B AND C

ASSESSMENT REPORT FOR LITHIUM EXPLORATION ON THE FOX CREEK PROPERTY, SWAN HILLS AREA, WEST-CENTRAL ALBERTA: METALLIC AND INDUSTRIAL MINERAL PERMITS 9308120628 to 9308120652

Prepared For:
First Lithium Resources Inc.
#3102-788 Richards St.,
Vancouver, British Columbia
V7B 0C7

Prepared By:
APEX Geoscience Ltd.
Suite 200, 9797 – 45th Avenue
Edmonton, Alberta, Canada
T6E 5V8

February 28, 2011
Edmonton, Alberta, Canada.

Michael Dufresne, M.Sc., P.Geol.

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SUMMARY

In 2009, First Lithium Resources Inc. (First Lithium) engaged APEX Geoscience Ltd. (APEX) to perform a review and compilation of formation water and petroleum well data for First Lithium's Fox Creek Property. The Fox Creek Property is located in west-central Alberta, with the town of Fox Creek sitting in the north east corner of the Property. The Fox Creek Property is comprised of 25 Industrial and Metallic Mineral Permits which together form a single contiguous package of land that totals approximately 229,097 hectares (Ha).

First Lithium's Fox Creek mineral permits cover a large portion of gas fields hosted in the Devonian Woodbend (Leduc) and Beaverhill Lake carbonate reef complexes. Spatially associated with the gas pools are aquifers that consist of lithium (Li) enriched sodium-calcium (Na-Ca) chloride brines. Based on the Li concentration and rock property data (porosity and permeability) there are three areas (aquifers) with the potential for formation water production and Li extraction. Of interest to First Lithium's Fox Creek property is the southern Woodbend (Leduc) reef and the Beaverhill Lake aquifer both partially underlying the Fox Creek Property, particularly for the Raspberry Lake, Smoke Lake and Berland River areas.

Based upon the information provided by Hitchon *et al.* (1995) in AGS Bulletin 62, First Lithium's Fox Creek Property is a high priority for exploration for Li in Devonian formation water aquifers as it provides not only highly anomalous concentrations of Li but also large quantities of formation waters in producible aquifers with other potentially producible elements such as potassium (K), bromine (Br), boron (B) and iodine (I). Within the Fox Creek Property, there are at least 8 areas that should be targeted for Li in formation waters. The Smoke Lake Beaverhill Block is likely the highest priority target area for formation water sampling as it covers the Devonian Beaverhill Lake gas field and aquifer where Hitchon *et al.* (1995) have calculated a historic Li resource. There are 33 active wells in the Smoke Lake Beaverhill Block. The Smoke Lake Beaverhill Trend represents the main formation water trend that Channel Resources Ltd. (Channel) is also exploring for Li and other elements in formation brines. Hitchon *et al.* (1995) indicates that it contains a large portion of the historic calculated Li resource that they describe and it is the number one target for Li in formation waters.

The Raspberry Lake Beaverhill Block is centered over a Beaverhill Lake Oil Pool (with some gas production) with at least 2 wells that have yielded 115 and 130 ppm Li from associated formation waters. There are at least 13 active wells in the field. The Berland River Trend consists of 4 areas centered over Devonian Woodbend Formation gas pools and associated aquifers that Hitchon *et al.* (1995) indicate at least 3 wells have yielded between 100 and 120 parts per million (ppm) Li from the associated

formation waters. Each of the four areas highlighted in the Berland River Trend contain between 7 and 10 active wells with a total of 32 active wells in the trend.

In 2010, First Lithium sampled the formation waters from aquifers in 7 wells that are distributed across 40 km from 3 different producing oil and/or gas pools. Four samples were collected from formation waters associated with wells producing gas from the Beaverhill Lake Formation aquifer in the vicinity of Smoke Lake and northwest along strike from the wells sampled by Channel. The highest concentration of Li obtained from sampling by First Lithium was 73.5 ppm. Three of the four wells sampled by First Lithium yielded anomalous concentrations of Li, however, the results were slightly lower than the results reported by Channel along strike to the southeast. However, the sampling has confirmed the anomalous nature and prospectivity of the Beaverhill Lake aquifer in the area of Smoke Lake. The aquifer is more than 50 km in length and ranges from 3.5 to 8 km wide.

First Lithium also sampled formation waters from two wells centered on the Beaverhill Lake Formation aquifer in the vicinity of Raspberry Lake. The highest concentration of Li obtained for the two First Lithium formation water samples was 31.5 ppm Li. A single formation water sample was collected by First Lithium personnel from one of four producing gas pools in the Woodbend Formation in the vicinity of the Berland River. Formation water collected by First Lithium from well 1/1A 06-19-059-20W5 yielded 93.2 ppm Li, indicating that the Berland River gas pools are prospective for high concentrations of Li and other industrial minerals. High concentrations of Br, B and K were also present in the sample. The presence of significant concentrations of other elements in the brine also validates the project's potential to support a multi-product brine processing operation. The sampling program has validated the concept of establishing the Fox Creek project as a potential producer of a number of high-value products, including lithium chloride, lithium carbonate, potash and borates.

Based upon the APEX data review, the encouraging sampling results and the similarities to the producing Clayton Valley brines, aquifers within the Devonian Beaverhill Lake and Woodbend (Leduc) carbonate reef complexes underlying the Fox Creek Property held by First Lithium warrant further exploration for Li as well as other associated elements including Na, Ca, K, Mg, B, Br and I. The concentrations of Li in conjunction with numerous producing gas wells and other infrastructure on the Property that are already producing significant amounts of formation waters from the targeted horizons indicate that significant potential exists for the Fox Creek Property to yield brines with Li. Further work is required to confirm the continuity and producibility of the Li-bearing brines and, if the continuity and producibility can be confirmed, a process methodology that could work in conjunction with current gas field batteries that are currently producing the waters, treating them and re-injecting those waters back into the reservoirs or other formations.

Stage 1 exploration should continue with a) further compilation and research for existing water chemical analyses, with the office work consisting of recreating Dr. Hitchon's formation water database, further investigations at the ERCB in Calgary, an

investigation of the water producibility of each active well and even some of the suspended or abandoned but old producing wells. Concurrently with the compilation, Stage 1 b) should consist of continuing the ongoing field based water chemistry sampling program consisting of a well sampling to better determine the Li and other element potential of the Fox Creek Property formation brines.

APEX strongly recommends sampling 35 to 50 wells within the Fox Creek Property spread amongst Raspberry Lake, Smoke Lake and Berland River target areas. The sampling program will require the use of an LGR Unit to conduct the sampling which will cost about $2,500 per day and include the sophisticated LGR Unit (truck mounted) along with two technicians to operate it and conduct the sampling. The end result would be a number of formation water analyses. If a reasonable grade of Li of about 80 to 150 ppm confirmed and is reasonably consistent from one well to the next, the data might permit a preliminary resource calculation.

Once the field and analytical data are in hand, geochemical groundwater modeling should be carried out followed by process engineering design and bench scale testing. In order to get to a proper 43-101 compliant resource a hydrogeological consultant will be required help evaluate the porosity, permeability, total content of formation water and recharge capacity of the reservoir.

The total all up estimated cost including a 43-101 report at the end of the program is $100,000 including GST. The estimated time frame to conduct the sampling is about 3 months.

INTRODUCTION AND TERMS OF REFERENCE

APEX Geoscience Ltd. (APEX) was retained during mid 2010 as consultants by First Lithium Resources Ltd (First Lithium), to compile all existing geological, geophysical and geochemical data for First Lithium's Fox Creek Lithium Property (the Property) in order to perform an independent evaluation of the potential of the property to host recoverable lithium (Li) from Paleozoic carbonate hosted aquifers. First Lithium obtained 100% interest in the Fox Creek Lithium Property, which is located approximately 200 km northwest of Edmonton, Alberta. This report is written as an Assessment Report for First Lithium. The Fox Creek Lithium Property is considered an early stage exploration project. There is no known mineral resource as defined by "CIM Definition Standards on Mineral Resources and Ore Reserves" dated November 22nd, 2005, however, there are a number of historic reported formation water geochemical analyses with anomalous concentrations of Li. This evaluation has been prepared on the basis of available published and unpublished material, including those outlined in the references section.

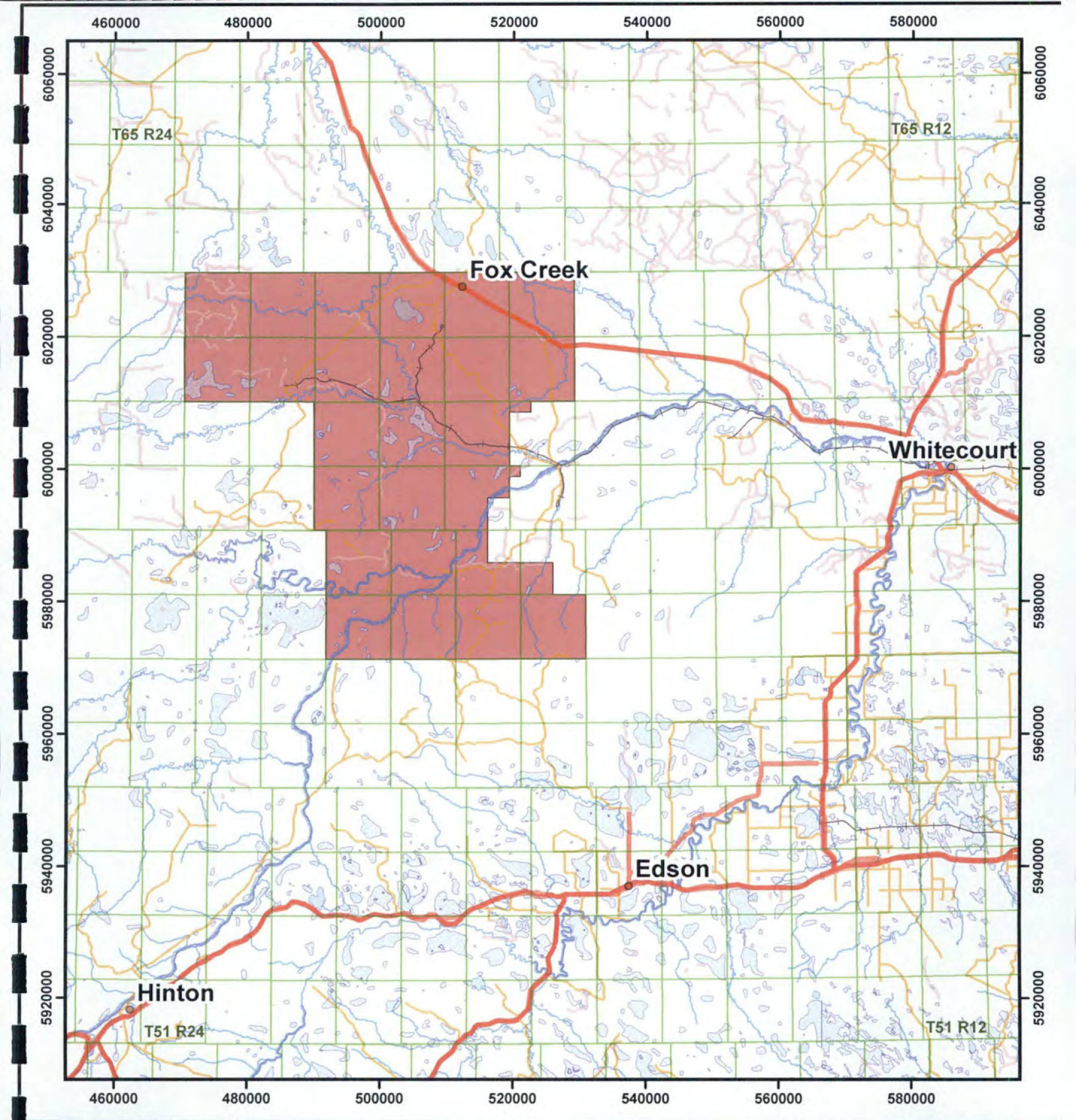
Mr. Michael B. Dufresne, M.Sc., P.Geol., the author of this Assessment report, is a principal of APEX and is an independent and Qualified Person as defined in National Instrument 43-101. Mr. Dufresne has conducted fieldwork on and in the vicinity of the Property and surrounding area along with supervising a number of exploration programs for a variety of commodities across the Swan Hills region. A sampling program in 2010 was conducted by the author and First Lithium in the search for Li on the Property.

RELIANCE ON OTHER EXPERTS

The report written by Mr. Dufresne is a compilation of proprietary and publicly available information. The author, in writing this report, uses sources of information as listed in the 'References' section. The government reports were prepared by a person or persons holding post secondary geology, or related university degree(s). For those reports, which were written by others, whom are not qualified persons, the author must rely upon the professional measures used by the employees of the companies who completed the work. The information in those reports is assumed to be accurate, based on the data review. The reports which were used for background information are reviewed and referenced in the history section below.

PROPERTY DESCRIPTION AND LOCATION

The Fox Creek Lithium Property is located in west central Alberta, with the town of Fox Creek located in the Property's upper north east corner, 60 km west of Whitecourt and 200 km northwest of Edmonton (Figure 1). The property is comprised of 25 Industrial and Metallic Mineral Permits (Table 1), which together form a single contiguous package of land that totals about 229,097 hectares (Figure 2). The mineral permits are owned 100% by First Lithium and are subject to a 3% Net Smelter Royalty



Legend

- Major Highways
- Secondary Roads
- Trails
- Railways
- Townships
- Lakes
- Wetlands
- Fox Creek Property

N

FIRST LITHIUM RESOURCES INC.

Fox Creek Property

Property Location

0 5 10 20

Kilometers

1:750,000

Nad83 Zone11

APEX Geoscience Ltd.

Alberta, Canada

EDMONTON, ALBERTA FEBRUARY 2011

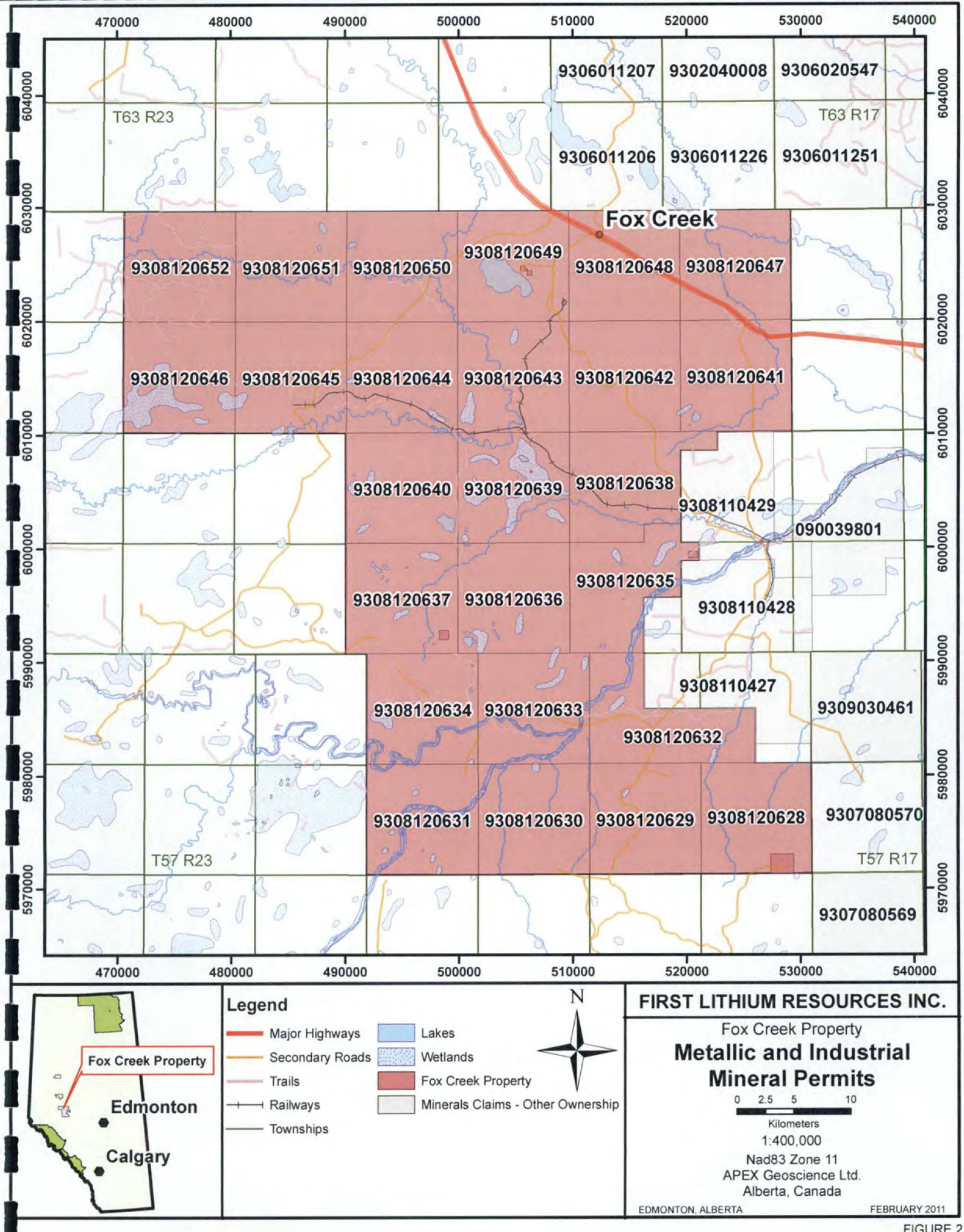
FIGURE

Table 1: Industrial and Metallic Mineral Permit Descriptions.

Permit No.	Owner	Term Date	Area (Ha)	Legal Description
9308120628	First Lithium	December 2, 2008	8896	57-18-W5
9308120629	First Lithium	December 2, 2008	9216	57-19-W5
9308120630	First Lithium	December 2, 2008	9216	57-20-W5
9308120631	First Lithium	December 2, 2008	9216	57-21-W5
9308120632	First Lithium	December 2, 2008	9216	58-18-W5; 58-19-W5
9308120633	First Lithium	December 2, 2008	9216	58-20-W5
9308120634	First Lithium	December 2, 2008	9216	58-21-W5
9308120635	First Lithium	December 2, 2008	8400	59-18-W5; 59-19-W5
9308120636	First Lithium	December 2, 2008	9216	59-20-W5
9308120637	First Lithium	December 2, 2008	9152	59-21-W5
9308120638	First Lithium	December 2, 2008	9216	60-18-W5; 60-19-W5
9308120639	First Lithium	December 2, 2008	9216	60-20-W5
9308120640	First Lithium	December 2, 2008	9216	60-21-W5
9308120641	First Lithium	December 2, 2008	9216	61-18-W5
9308120642	First Lithium	December 2, 2008	9216	61-19-W5
9308120643	First Lithium	December 2, 2008	9216	61-20-W5
9308120644	First Lithium	December 2, 2008	9216	61-21-W5
9308120645	First Lithium	December 2, 2008	9216	61-22-W5
9308120646	First Lithium	December 2, 2008	9216	61-23-W5
9308120647	First Lithium	December 2, 2008	9216	62-18-W5
9308120648	First Lithium	December 2, 2008	9216	62-19-W5
9308120649	First Lithium	December 2, 2008	9113.62	62-20-W5
9308120650	First Lithium	December 2, 2008	9216	62-21-W5
9308120651	First Lithium	December 2, 2008	9216	62-22-W5
9308120652	First Lithium	December 2, 2008	9216	62-23-W5

and/or a 5% Gross Overriding Royalty. The property has not been legally surveyed. The legal descriptions for the property are provided in Table 1. Copies of the Industrial and Metallic Mineral Permit agreements are included in Appendix 1. The center of the property is located at approximately 507832 east and 6006485 north in Universal Transverse Mercator (UTM) Zone 11 using North American Datum 1983 (NAD 83) or at 116°52'55" west longitude and 54°11'6" north latitude.

Alberta Mining regulations grant metallic and industrial mineral permits to the permittee for 14 year terms during which at any time after the initial two-year term the mineral permit may be converted into a lease. Leases are granted for 15 year terms and may be renewed. A metallic and industrial mineral permit gives First Lithium the respective permit holder exclusive right to explore for and develop economic deposits of metallic and industrial minerals including diamonds, gold and industrial minerals such as lithium (Li) within the boundaries of the permit. The exclusive right to explore is subject



Legend

- Major Highways
- Secondary Roads
- Trails
- Railways
- Townships
- Lakes
- Wetlands
- Fox Creek Property
- Minerals Claims - Other Ownership

N

FIRST LITHIUM RESOURCES INC.

Fox Creek Property

Metallic and Industrial Mineral Permits

0 2.5 5 10

Kilometers

1:400,000

Nad83 Zone 11

APEX Geoscience Ltd.

Alberta, Canada

EDMONTON, ALBERTA FEBRUARY 2011

FIGURE 2

Pag

to ALBERTA REGULATION 213/98 of the Alberta Mines and Minerals Act and the contained Metallic and Industrial Minerals Regulations. The standard terms and conditions for the permits are described in detail on Alberta Energy's website at http://www.energy.alberta.ca/minerals/708.asp.

A permit holder shall spend or cause to be spent on assessment work with respect to the location of the mineral permit an amount equal to $5 for each hectare in the location during the first two year period; an amount equal to $10 per hectare for each of the second and third two year periods; and an amount equal to $15 per hectare for each of the fourth, fifth, sixth and seventh two year periods. Mineral permits may be grouped and excess expenditures may be carried into the next two year period.

In addition to the financial commitment, a metallic and industrial mineral permit holder is required to file an assessment report that documents all of the work conducted as well as the results of the work to Alberta Energy. The assessment report must be filed within 60 days after the record date after each two year period.

ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPHY

Provincial Highway 43 cuts across the northeast corner of the property. The property can also be accessed from the highway via 1 or 2 lane all weather roads. Highway 947 runs generally north-south through parts of the eastern part of the property. Access within the property is facilitated by numerous all weather and dry weather gravel roads and tracks. Accommodation, food, fuel, and supplies are best obtained in the towns of Whitecourt and Fox Creek.

The Fox Creek property is situated in the foothills region of west-central Alberta in an area characterized by rugged, hilly topography. Elevation in the region varies from 600 meters (m) to 1380 m (2,000 ft to 4,500 ft) above sea level (ASL). The Athabasca River is the dominant topographic feature and crosses the lower to center of the property from the southwest to the northeast. Additionally, numerous creeks and wetlands are found across the property. Forests in the area are dominated by aspen, balsam poplar, lodge pole pine and white spruce. Vegetation in the wetland areas is characterized by black spruce, tamarack and mosses. Annual temperatures range from -40C in January to 30C in July/August with average temperatures above 0C between April and October. Throughout the year precipitation (as rain and snow) ranges from ~14 mm to >100 mm, with the greatest precipitation falling in June and July.

HISTORY: PREVIOUS EXPLORATION

Exploration in the area of the Fox Creek Lithium Property has focused mainly on petroleum resources with numerous oil and gas fields known to underlie the property and nearby area (Mossop and Shetson, 1994). Based upon a search of the Energy and

Resources Conservation Board (ERCB) database using geoSCOUT™, a total of 637 oil, gas or water wells have been drilled within the boundaries of First Lithium's Fox Creek and Valleyview properties, and have been drilled to a depth where they have intersected at least Devonian aged rocks (Figure 3). Today, a total of 144 wells are considered "Active Producing" (Figure 3). A total of 456 wells are listed as having been suspended or abandoned (Figure 3). The location of the wells and the important Devonian oil and gas pools and geological elements are shown in Figure 3. A search using the water geochemistry module of geoSCOUT™, indicates that there are wells on the property that have associated "water" or "filtrate" geochemical analyses, however none of the geochemical analyses in the geoSCOUT™ water geochemical database indicate that Li was analyzed.

Although little direct exploration for Li has been done on First Lithium's Fox Creek Property, an overview of the industrial mineral potential of formation waters from across Alberta was compiled by the Alberta Geological Survey (AGS) in 1995 and represented the culmination of formation water geochemical work performed by Dr. Brian Hitchon that started in the 1970's (Bulletin 62, Hitchon *et al.*, 1995). Formation water is used as a generic term to describe all water that naturally occurs in pores of a rock and if the rock is permeable could represent an aquifer. Hitchon *et al.* (1995) compiled nearly 130,000 analyses of formation waters available from numerous sources including the ERCB files of regulatory submissions for drilling conducted by the petroleum industry, published detailed data from Hitchon *et al.* (1971, 1989), Connolly *et al.* (1990a, b) and unpublished detailed analyses collected by Hitchon whilst he was in the employ of the Alberta Research Council (ARC) and the Alberta Geological Survey (AGS).

A method for defining geographic areas with elements in formation waters of possible economic interest was defined by Hitchon (1984) and Hitchon *et al.* (1995). For each element studied, Calcium (Ca), Magnesium (Mg), Potassium (K), Lithium (Li), Iodine (I) and Bromine (Br), a detailed exploration threshold value was determined based on the concentrations in economically producing fields at that time (as defined in Hitchon, 1984 and Hitchon *et al.*, 1995). Additionally, a lower regional exploration threshold value was defined to allow for contouring and extrapolation of data to undrilled areas. The regional exploration threshold value for lithium (Li) was considered to be 50 ppm and the detailed exploration threshold value was defined as 75 ppm (Hitchon *et al.*, 1995). Hitchon *et al.* (1995) identified five stratigraphic intervals in four regions of Alberta in which their sampling and data review indicated that certain elemental concentrations exceeded the threshold values that are of economic interest for regional well and Devonian data exploration and for which porosity and permeability might allow production of the formation waters and recovery of the elements of interest from the aquifers.

Hitchon *et al.* (1995) indicate that Li was reported in 708 formation water analyses out of the 130,000 analyses that they examined in their 1993 to 1995 study. The vast majority of these analyses, including all of the anomalous Li analyses, were

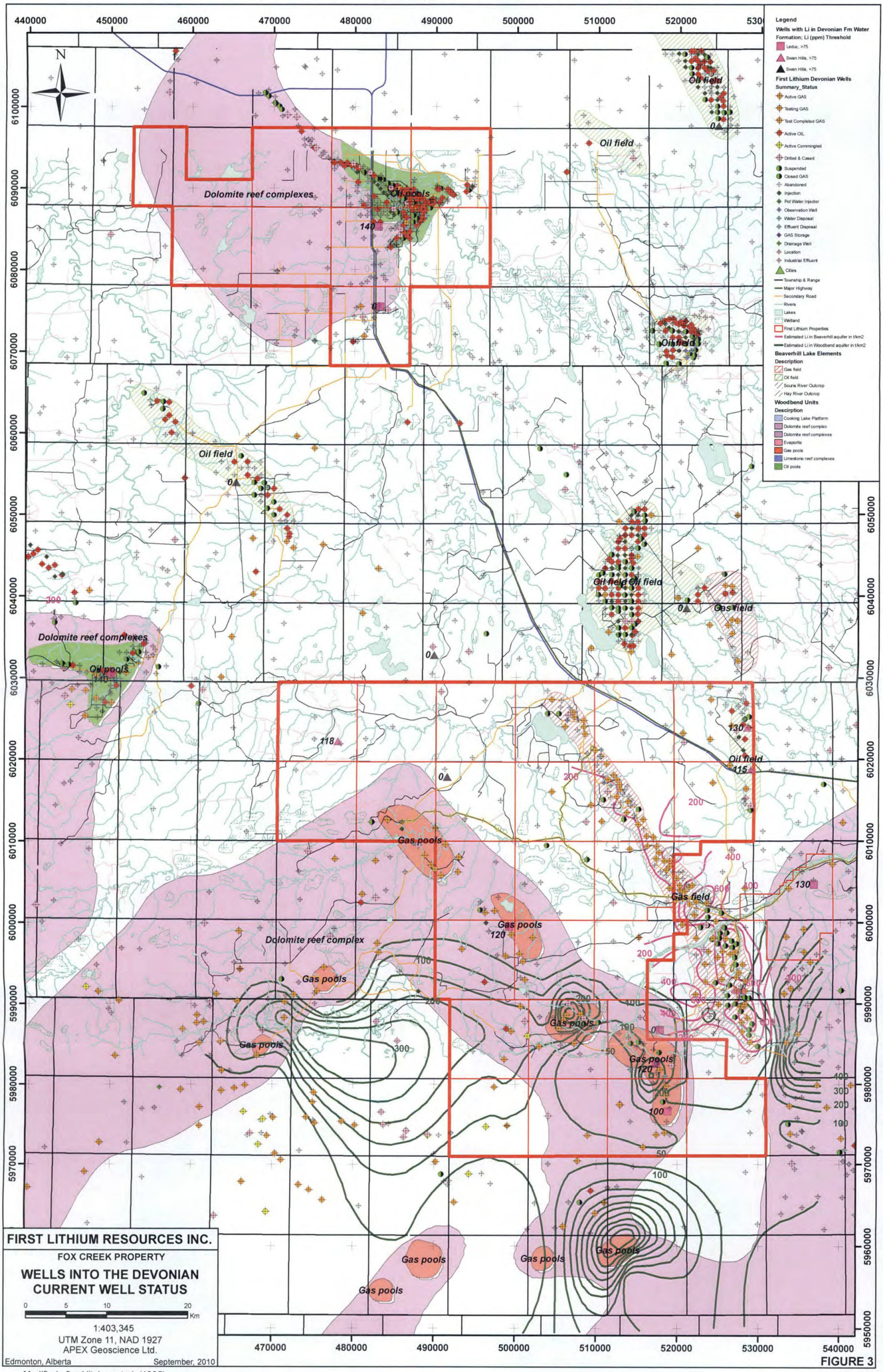


FIGURE 3

Modified after Hitchon et al. (1995)

derived from Hitchon's unpublished database resulting from direct sample collection by Dr. Hitchon during the period 1975 to 1977 in a joint ERCB and ARC project. Hitchon *et al.* (1995) indicate that a total of 96 geochemical formation water analyses yielded Li concentrations above the regional threshold value and 47 analyses yielded Li concentrations above the detailed threshold value of 75 ppm. The location of several wells with Li analyses from the Beaverhill Lake or Woodbend (Leduc) formation waters with greater than 75 ppm (up to 140 ppm) are shown on Figure 3 with a few example analyses provided in Table 2. The study identified three geographic areas of stratigraphy (specifically the Beaverhill Lake and Woodbend-Leduc carbonate and reef complexes) with combined high concentrations of Li in the formation waters along with high porosity and permeability that could have potential for the production of formation waters all within west-central Alberta centered around the town of Fox Creek (Figure 3).

Hitchon *et al.* (1995) indicate that at least 25 wells within or near to the Fox Creek Property have yielded anomalous concentrations of Li in formation water samples from the Beaverhill Lake and/or Woodbend (Leduc) aquifers (Figures 3 and 4). Five of these wells have reported concentrations of Li >75 ppm in the Beaverhill Lake aquifer and ten wells have reported concentrations of Li >75 ppm in the Woodbend (Leduc) aquifer (Figure 4). Representative formation water geochemical analyses with high Li values are provided by Hitchon *et al.* (1995) and are shown in Table 2. The well locations are shown on Figures 3 and 4. High Li values greater than or equal to 100 ppm were reported from three stratigraphic intervals: Wabamun Group, Woodbend Group (Leduc Formation) and Beaverhill Lake Group (Swan Hills Formation). In these samples, other elements including Mg, Br and I were all consistently below their respective regional exploration thresholds while Ca and K were often between their respective regional and detailed exploration thresholds (Hitchon *et al.*, 1995). Based upon the analyses presented by Hitchon *et al.* (1995) and shown in Table 2, the formation waters are considered Na-Ca chloride brines and are roughly 4 to 5 times the salinity of modern sea water.

Based on the Li concentration and rock property data (porosity and permeability) presented by Hitchon *et al.* (1995), there are three areas (aquifers) with potential for formation water production and Li extraction in west-central Alberta: the northern Woodbend (Leduc) reef, underlying the Valleyview and Peace South Lithium Properties, the southern Woodbend (Leduc) reef (partially underlying the Fox Creek Lithium Property) and the Beaverhill Lake aquifer (underlying the Fox Creek Lithium Property; Figures 3 and 4). In the southern Woodbend (Leduc) aquifer the potentially productive aquifer zone has an average thickness of 25 m, an average rock porosity of 6% and an average permeability of $2*10^{-14}m^2$ (Hitchon *et al.*, 1995). The potentially productive zone for the Woodbend (Leduc) aquifer is located between about 3,100 and 3,400 m below surface. The potentially productive zone of the Beaverhill Lake aquifer has an average thickness of 46 m, an average rock porosity of 7% and an average permeability of $4.3*10^{-14}m^2$ (Hitchon *et al.*, 1995). The potentially productive zone in the Beaverhill Lake aquifer is located between 3,200 and 3,500 m below the surface. Hitchon *et al.* (1995) report that in this area the Beaverhill Lake aquifer is intersected by 113 wells with 14,800 physical core analyses for porosity and permeability.

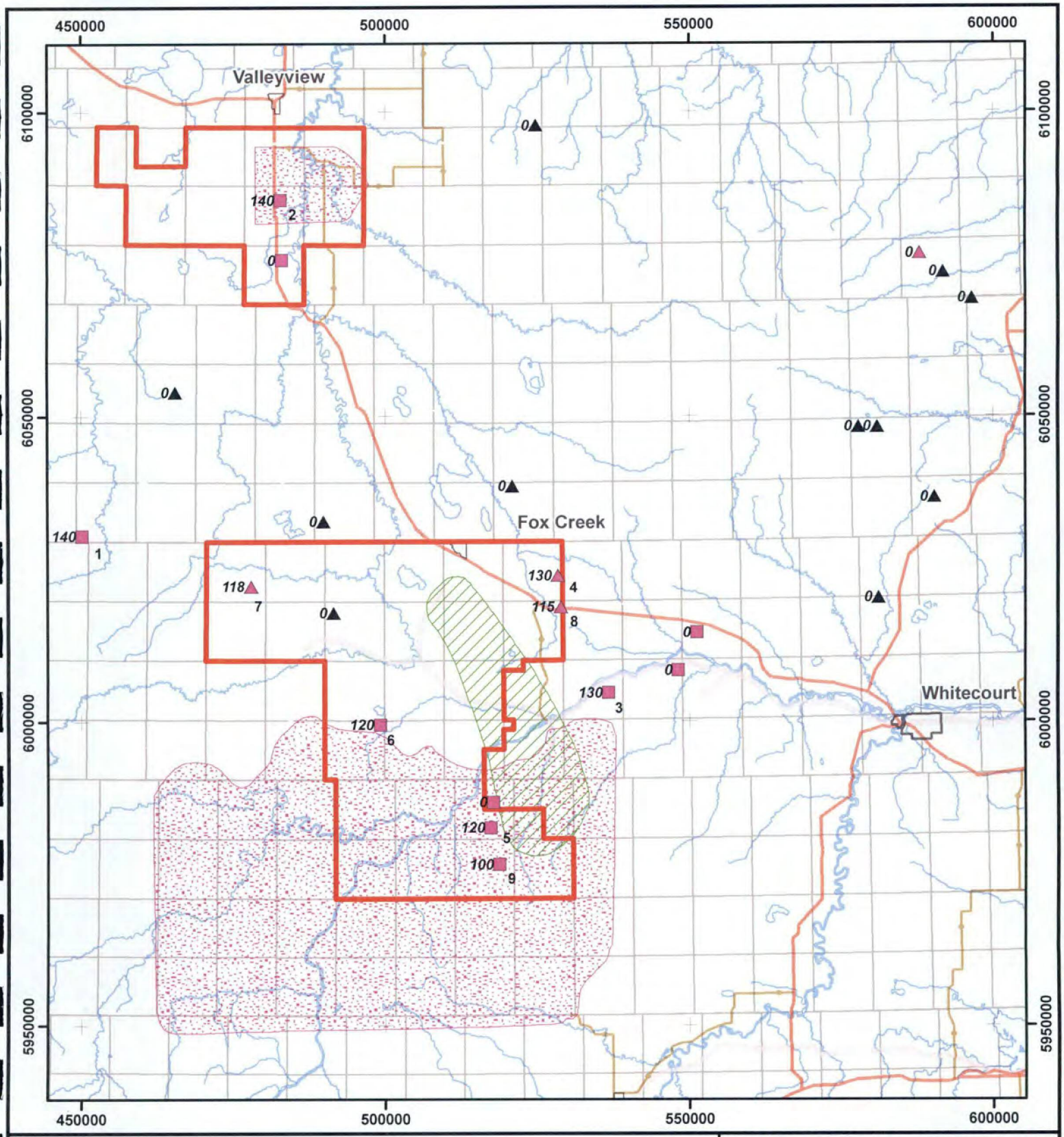

450000
500000
550000
600000
6100000
6050000
6000000
5950000
Valleyview
Fox Creek
Whitecourt
140
2
0
140
1
118
7
130
4
115
8
130
3
120
6
0
120
5
100
9
Legend
Wells with Li in Devonian Formation Waters
>75 ppm Li, Leduc Formation
>75 ppm Li, Swan Hills Formation
<75 ppm Li, Swan Hills Formation
Beaverhill Lake Formation Aquifer with Li Potential
Woodbend (Leduc) Formation Aquifer with Li Potential
First Lithium Properties
Cities
Township & Range
Major Highways
Secondary Roads
Trails
Rivers
Lakes
N
FIRST LITHIUM RESOURCES INC.
Fox Creek and Valleyview Properties
DEVONIAN AQUIFERS AND
Li IN FORMATION WATERS
0 5 10 20
Kilometers
1:850,000
UTM Zone 11, NAD 1927
APEX Geoscience Ltd.
Edmonton, Alberta
September, 2010

FIGURE 4

Table 2: Representative chemical compositions from the Swan Hills and Leduc Formations (Hitchon *et al.* 1995)

Formation	Leduc	Swan Hills	Leduc	Swan Hills
	3	4	5	8
Sample Number	RCAH82-475B	RCAH111-676A	D-44	RCAH110-676A
Li	130	130	120	115
Na	43200	54000	42400	39800
K	7500	5100	5000	4300
Mg	1610	2010	979	1630
Ca	18000	15900	27500	13600
Sr	725	630	615	
Ba	5.7	19	4.7	1.7
Cu		0.49	0.57	0.27
Zn		5.9		1.9
Pb	8.5	3.3	4	10
Ag		1.3	1.5	0.92
Fe		0.85	0.89	0.36
Mn	14	14	0.38	9
V		0.8	0.9	0.28
As				
B	2709	260	180	190
PO4	76	24	23	16
NH3	558	637	551	381
SiO2	54	43	88	19
F	6.7	6.2		4.7
Cl	117000	125100	123700	94160
Br	430	426	317	329
I	14	18	18	5
SO4	389	155	239	778
HCO3	365	232	1110	316
(all in mg/L or ppm)				
Salinity (mg/L)	191630	205945	203703	156567
pH	7.15	6.76	8.1	7.34
T (^{o}C)	64	79	113	76

Hitchon *et al.* (1995) provide a total resource distribution estimate for Li in formation waters for the northern and southern Woodbend (Leduc) and the Beaverhill Lake aquifers. The reader is cautioned that the resource estimates quoted by Hitchon *et al.* (1995) are considered historical scoping estimates and do not conform to "Best Practice Guidelines for the Estimation of Mineral Resources and Mineral Reserves" (CIM, 2003) and "CIM Definition and Standards on Mineral Resource and Mineral Reserves" (CIM, 2004) and, as such, do not comply with any of the categories set out in National Instrument 43-101. However, the estimates do provide an indication of the order of magnitude of the potential size of a resource that could be present and, therefore, is considered useful information in order to guide future work. Hitchon *et al.* (1995) calculate a range from 10 to 570 grams of Li per meter squared (gLi/m^2) (or tonnes of Li per kilometer squared [tLi/km^2]) and between 34 and 340 gLi/m^2 (tLi/km^2)

for the southern and northern Woodbend aquifers, respectively (Figures 3 and 4). Hitchon *et al.* (1995) estimate that Li distribution in the Beaverhill Lake aquifer (Figures 3 and 4) ranges from 11 to 918 gLi/m^2 (tLi/km^2). Hitchon *et al.* (1995) indicate that the high variability in the resource distribution is due to the characteristic highly variable porosity and thickness of reef complexes that comprise the potentially productive zones. Hitchon *et al.* (1995) estimate that the total Li resource contained within the Beaverhill Lake and Leduc (North and South) aquifers is potentially 515,000 tonnes of Li over an area of 3,980 km^2. A portion of this potential resource would be contained within the Beaverhill Lake aquifer and the southern Woodbend (Leduc) aquifer that underlie First Lithium's Fox Creek Lithium Property. This estimate is historic in nature and represents a scoping estimate on how much total Li might be present in these aquifers in the vicinity of Fox Creek. There is no guarantee that this amount of Li will in fact be eventually proven to be present nor that the formation waters could be produced and the Li extracted economically.

Although little direct exploration for Li has been done on First Lithium's Fox Creek Property, Channel Resources Ltd. (Channel) conducted a sampling program of 13 producing gas wells on a property immediately adjacent to First Lithium's Fox Creek Property. Channel's sampling program during 2009 targeted the Beaverhill Lake aquifer (Channel Resources Ltd. News Release, October 7, 2009). The Li concentration of the brines sampled by Channel ranged from 77.2 ppm to 112 ppm. The samples also yielded significant amounts of K, Br and B. All samples collected by Channel and analyzed yielded values above the detailed threshold of 75 ppm. Based on these encouraging results, Channel proceeded with the collection of a 2,000 liter bulk sample in March, 2010 from a producing gas well in the central portion of their Property, which targeted the Beaverhill Lake aquifer. A total of 1,500 liters were processed. Analyses conducted included a variety of methods to identify the optimal process to extract Li, boron (B), potassium (K), bromine (Br) and other potentially economic products from the brine (Channel Resources News Release, March 8, 2010). Preliminary results announced by Channel from the bulk sample indicate that all four primary products can be extracted, including over 95% of the Li to an intermediary compound, up to 88% of elemental Br, up to 100% of the B as sodium borate, and approximately 40% of the K as a carnallite salt (Channel Resources Ltd. News Release, November 17, 2010).

The results from Channel's 2009 sampling program confirm that the Beaverhill Lake aquifer contains highly anomalous lithium concentrations as determined in 1995 by the Geological Survey of Alberta (Dufresne, 2009). The presence of significant concentrations of other minerals in the brine also validates the project's potential to support a multi-product brine processing operation. Channel's sampling program has validated the concept of establishing the Fox Creek region as a potential producer of a number of high-value products, including lithium chloride, lithium carbonate, potash and borates.

GEOLOGICAL SETTING

The Fox Creek property is located in west-central Alberta south of the Peace River High. The basement geology underlying the property is summarized on Figure 5. The regional stratigraphy of the Swan Hills area is summarized in Table 3, and shown on Figure 6.

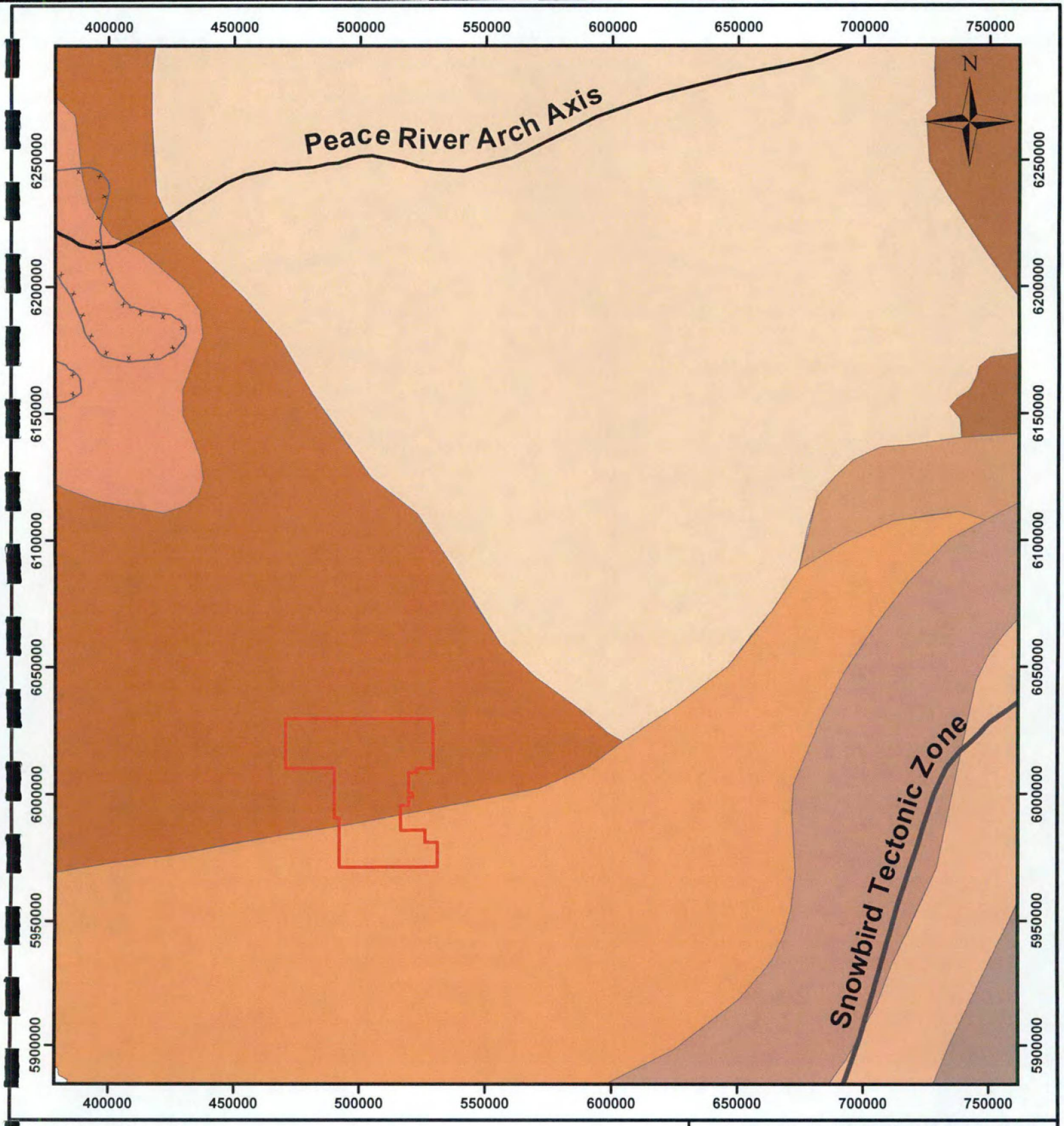
Precambrian Geology

The Fox Creek property lies near the centre of the Western Canada Sedimentary Basin south of the Peace River Arch (PRA). The property straddles two basement terranes: the Chinchaga Terrane and the Wabamun Domain (Figure 5). The Chinchaga Terrane is part of the Buffalo Head craton which is thought to have accreted to the western edge of North America between 1.8 and 2.4 billion years (Ga) ago (Ross *et al.*, 1991, 1998). The Wabamun Domain is interpreted to be a tectonic escape wedge related to events along the Snowbird Tectonic Zone to the south (Ross *et al.*, 1991). The age of the terrane is poorly understood but it is thought to be similar in age to the Chinchaga Terrane in the vicinity of 2.0 to 2.4 Ga.

Phanerozoic Geology

Overlying the basement is a thick sequence of Phanerozoic rocks comprised mainly of Tertiary and Cretaceous sandstones and shales near the surface (Figure 6) and Mississippian to Devonian carbonates, sandstones and salts at depth (Glass, 1990; Mossop and Shetson, 1994). Information pertaining to the distribution and character of the Phanerozoic-aged units can be obtained from well log data in government databases and various geological and hydrogeological reports (Green *et al.*, 1970; Tokarsky, 1977; Glass, 1990; Mossop and Shetson, 1994).

At the base of the Beaverhill Lake Group (Table 3), the Elk Point Group is comprised of restricted marine carbonates and evaporites which gradationally overlie the Watt Mountain Formation (Mossop and Shetson, 1994). The Upper Elk Point, including the Ft. Vermillion, Muskeg and Watt Mountain formations are an aquitard layer (Hitchon *et al.*, 1990). Overlying the Elk Point Group rocks are the carbonates of the Slave Point Formation (Table 3). The Slave Point Formation was deposited on an open marine carbonate platform and forms the base for the reef complexes in the region including the Swan Hills Complex and the Peace River Arch Fringing Reef Complex (Figure 3). The Upper Devonian Swan Hills Reef Complex underlies the North Property (Figures 3). The Swan Hills Complex was deposited on the flank of the West Alberta Ridge. It is a sequence of shallowing upward reef cycles now composed of dolomite (Mossop and Shetson, 1994). The Swan Hills Complex is hydrogeologically part of the Beaverhill Lake Aquifer System. The Swan Hills complex contains the units of interest with elevated concentrations of Li (Hitchon *et al.*, 1995).



Legend

Basement Geology

- Buffalo Head Terrane
- Chinchaga Terrane
- Great Bear
- Hearne
- Hottah Terrane
- Ksituan Magmatic Arc
- Lacombe Domain
- Nova
- Rae
- Rimbey Magmatic Arc
- Taltson Magmatic Arc
- Thorsby
- Unknown
- Wabamun Domain

Fox Creek Property Outline

FIRST LITHIUM RESOURCES INC.

Fox Creek Property

Basement Geology

0 12.5 25 50

Kilometers

1:2,000,000

Nad83 Zone11

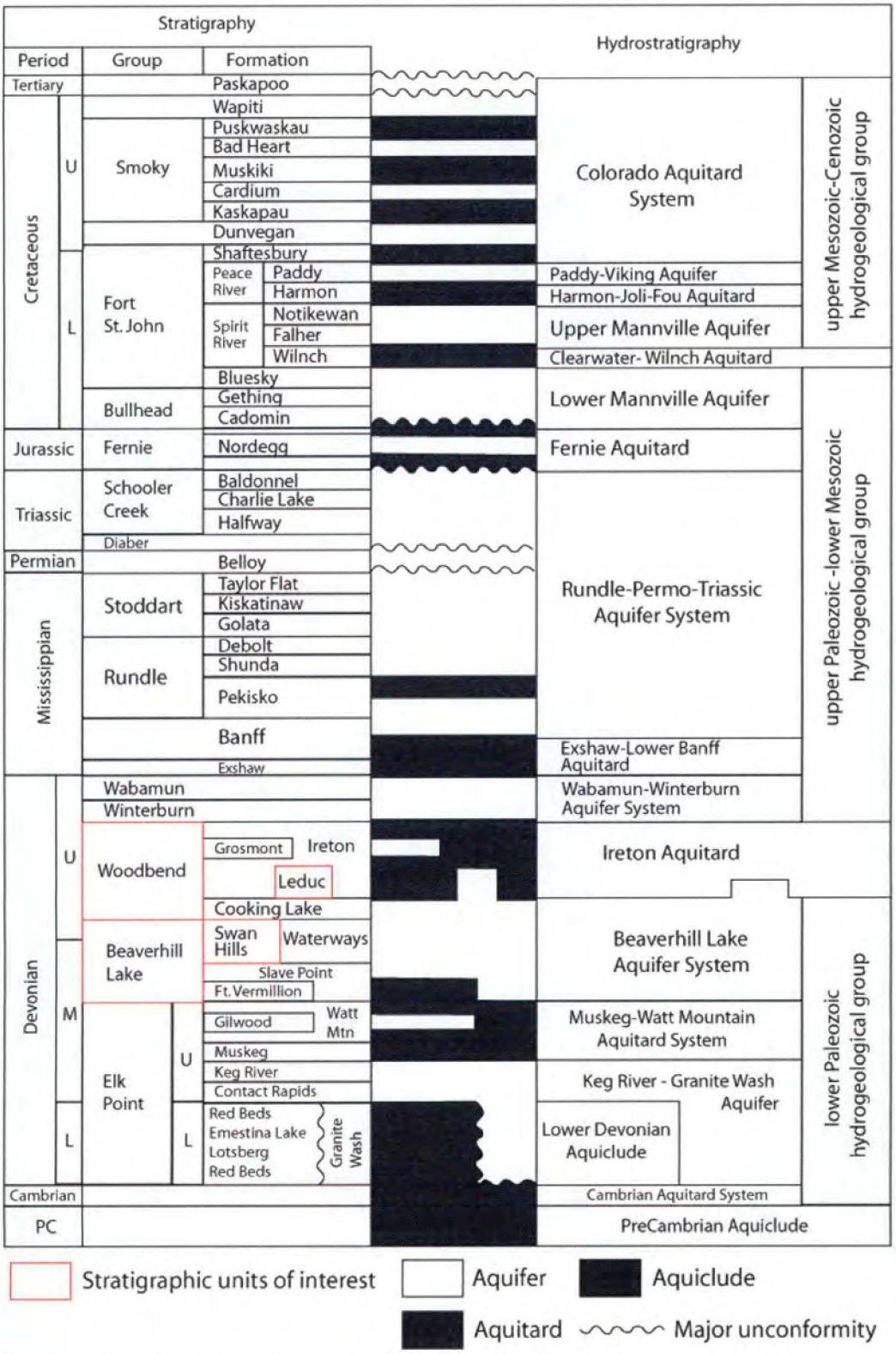
APEX Geoscience Ltd.

Alberta, Canada

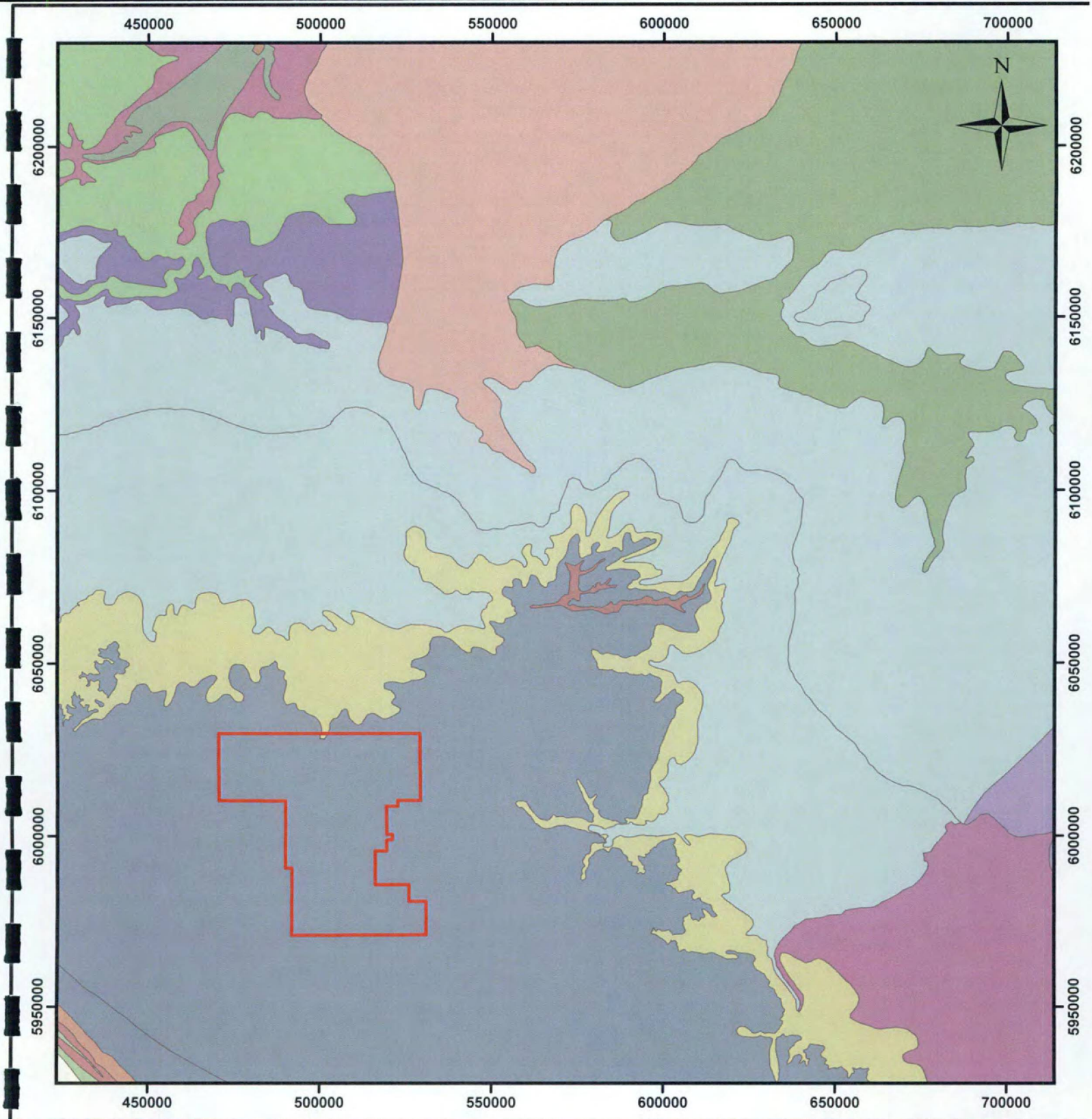
EDMONTON, ALBERTA FEBRUARY 2011

FIGURE 5

Table 3: Regional stratigraphy of the Fox Creek area.



(adapted from Hitchon et al., 1990)



Legend

Fox Creek Property

Bedrock Geology

- Alberta Group
- Belly River Group
- Brazeau Formation
- Coalspur Formation
- Dunvegan Formation
- Horseshoe Canyon Formation
- Kaskapau Formation
- Labiche Fm
- Loon River Shale
- Miette Group
- Paskapoo Formation
- Peace River Formation
- Puskwaskau Formation
- Scollard Formation
- Shaftesbury Formation
- Smoky Group
- Swan Hills Gravel
- Swan Hills Gravels
- Wapiti Group

FIRST LITHIUM RESOURCES INC.

Fox Creek Property

Bedrock Geology

0 12.5 25 50

Kilometers
1:1,500,000

Nad 83 Zone 11
APEX Geoscience Ltd.
Alberta, Canada

EDMONTON, ALBERTA FEBRUARY 2011

FIGURE 6

The Woodbend Group, of the upper Devonian, conformably overlies the Beaverhill Lake Group (Table 3). The Woodbend Group is dominated by basin siltstones, shales and carbonates of the Majeau Lake, Duvernay and Ireton Formations surrounding and capping the reef complexes of the Leduc Formation (Figures 3 and 5). The Leduc Formation is characterized by multiple cycles of reef growth including back-stepping reef rimmed complexes and isolated reefs (Mossop and Shetson 1994). In the area of the property it is composed of dolomite and is part of the Beaverhill Lake Aquifer System (Hitchon *et al.*, 1990). Hitchon *et al.* (1995) indicates that the Beaverhill Lake (Swan Hills) and the Woodbend (Leduc) aquifers in the region of First Lithium's Fox Creek Lithium Property may be indistinguishable and may in fact be connected. The Woodbend (Leduc) Formation is host to prolific reserves of oil and gas in Alberta. It is also the second stratigraphic unit of interest with elevated concentrations of Li (Hitchon *et al.*, 1995). The Duvernay Formation is composed of dark bituminous shale and limestone which contain and preserve a large accumulation of organic carbon thought to be the source for most of the conventional hydrocarbons in the upper Devonian in Alberta. The Ireton Formation caps the Leduc reefs and was formed by an extremely voluminous influx of shale into the region (Mossop and Shetson, 1994). The Ireton Formation is an aquitard that forms an impermeable cap rock over the Leduc reefs (Hitchon *et al.*, 1995).

The Woodbend Group is conformably overlain by the Winterburn and Wabamun Groups of upper Devonian age (Table 3). In the area of the property the Winterburn Group is composed of shales and argillaceous limestones. Further to the east the Winterburn Group is host to the Nisku Reefs, an important gas and oil reservoir. In the area of the property the Wabamun Group is composed of buff to brown massive limestone interbedded with finely crystalline dolomite at the base. These two Groups comprise the Wabamun-Winterburn Aquifer system from which a few anomalous Li analyses have been obtained (Hitchon *et al.*, 1995). The Wabamun Group is unconformably overlain by the Lower Carboniferous Exshaw shale, an aquitard.

The Exshaw shale is overlain by the Banff Group. The Banff Group is composed of a medium to light olive grey limestone with subordinate fine-grained siliciclastics, marlstones and dolostones overlying a basal shale, siltstone and sandstone unit (Mossop and Shetson, 1994). The Rundle Group conformably overlies the Banff Group. The Rundle Group is composed of cyclic dolostone and limestone with subordinate shale. The Group has variable porosity from poor to excellent and grades into dense argillaceous carbonates, shale, siltstone and anhydrite.

The Permian strata in the area of the property are very thin. The Permian Belloy Group unconformably overlies the Rundle Group and is unconformably overlain by the Triassic Montney Formation. It is composed of shelf sands and carbonates (Mossop and Shetson, 1994).

The overlying Mesozoic strata (mainly Cretaceous) are composed of alternating units of marine and nonmarine sandstones, shales, siltstones, mudstones and

bentonites. The Triassic is characterized by fine argillaceous siltstone and sandstones. The overlying Jurassic Fernie Group is composed of limestones of the Nordegg Formation at the base overlain by interbedded sandstone, siltstone and shale (Mossop and Shetson, 1994).

The Lower Cretaceous strata are represented by the Bullhead, Fort St. John and Shaftesbury Groups which comprise the second major clastic wedge of the Foreland basin (Table 3 and Figure 5). The Bullhead Group (Lower Mannville equivalent) is composed mainly of fine grained sandstone with well developed interbeds of silty shale. The Fort St. John Group (Upper Mannville equivalent) is comprised of the Spirit River and Peace River Formations. The Fort St. John Group is composed mainly of shale interbedded with silty sandstones with local coal seams (Mossop and Shetson, 1994). The Mannville strata contain extensive oil and gas fields (with gas fields in the area of the property).

The Shaftesbury Formation is lower Upper Cretaceous in age and is comprised of marine shales with fish-scale bearing silts, thin bentonitic streaks and ironstones. The upper contact is conformable and transitional with the Dunvegan Formation, where the Dunvegan Formation is present. Evidence of extensive volcanism during deposition of the Shaftesbury Formation exists in the form of numerous bentonitic horizons throughout the formation, especially within and near the Fish Scales Horizon (Leckie *et al.*, 1992; Bloch *et al.*, 1993).

The Upper Cretaceous is represented by the Dunvegan and Smoky Groups. The Dunvegan Formation is characterized by deltaic to marine, feldspathic sandstones, silty shales and laminated carbonaceous siltstones. The overlying Smoky Group is comprised of thinly bedded, marine, silty shale with occasional ironstone and claystone nodules and thin bentonite streaks. Exposures of the Smoky Group may be present in rivers and stream cuts (Figure 5).

The youngest bedrock unit underlying the Fox Creek mineral permits is the Tertiary Paskapoo Formation (Figure 5). The Paskapoo Formation is composed of cycles of thick, tabular buff coloured sandstone beds overlain by interbedded siltstone and mudstones (Mossop and Shetson, 1994). The Paskapoo Formation increases in thickness from east to west reaching ~800m in the foothills region. In the area of the property the Formation is ~300-400 m in thickness. Outcropping Paskapoo Formation can be found along river and stream cuts throughout the property (Figure 5).

Late Tertiary – Quaternary Geology

During the Pleistocene, multiple southerly glacial advances of the Laurentide Ice Sheet across the region resulted in the deposition of ground moraine and associated sediments in north-central Alberta (Dufresne *et al.*, 1996). The majority of the Fox Creek Property is covered by drift of variable thickness, ranging from a discontinuous veneer to just over 15 m (Pawlowicz and Fenton, 1995a, b). Bedrock may be exposed locally, in areas of higher topographic relief or in river and stream cuts. The advance of glacial

ice may have resulted in the erosion of the underlying substrate and modification of bedrock topography. Limited general information regarding bedrock topography and drift thickness in north-central Alberta is available from the logs of holes drilled for petroleum, coal or groundwater exploration and from regional government compilations (Mossop and Shetson, 1994; Pawlowicz and Fenton, 1995a, b). Glacial ice is believed to have receded from the area between 15,000 and 10,000 years ago.

Structural Geology

In northern Alberta, the Peace River Arch (PRA) is a region where the younger Phanerozoic and Cenozoic rocks, which overlie the Precambrian basement, have undergone periodic vertical and, possibly, compressive deformation from the Proterozoic into Tertiary time (Cant, 1988; O'Connell *et al.*, 1990; Dufresne *et al.*, 1995, 1996). This pattern of long-lived, periodic uplift and subsidence has imposed a structural control on the deposition patterns of the Phanerozoic, and to a lesser extent the Cenozoic, strata in northern and north central Alberta. In addition, this periodic movement has resulted in a rectilinear pattern of faults that is responsible for the structurally controlled reefs along with oil and gas pools found throughout this area.

During the Devonian, the Peace River Arch was emergent and was a positive paleo-topographic relief feature oriented east-northeast from the British Columbia provincial border to at least as far east as Red Earth Creek. Towards the end of the Devonian and into the Mississippian the Peace River Arch collapsed and became the Peace River embayment. The embayment filled in during the Mississippian with a thick sequence of siliciclastic rocks along with dolostones and limestones.

During the mid-Cretaceous to Early Tertiary, compressive deformation occurred as a result of the orogenic event that eventually led to the formation of the Rocky Mountains. The Peace River Arch is thought to have been periodically weakly emergent during this period resulting in the reactivation of many prominent basement faults that also affected the overlying Phanerozoic succession. The Phanerozoic rocks beneath the Fox Creek Property lie south of the south edge of the Peace River Arch (Figures 5 and 6). However, the Phanerozoic rocks are underlain by a prominent east-northeast basement terrane boundary between the Chinchaga Terrane and the Wabamun Domain that is clearly visible in the total field magnetics for the region. The boundary zone clearly underlies the middle to south edge of the property. In addition, there is a prominent north-northwest oriented structural break visible in the magnetics that has likely not only affected the Precambrian basement rocks but also the overlying Phanerozoic rocks and in particular the Beaverhill Lake Reef Complex. It is a fairly well documented fact that a number of Alberta's prominent Devonian Reef Complexes are underlain by and proximal to basement faults and that these reef complexes enjoyed growth over long periods of time at fault interfaces along the shallow water side or uplifted block edge of these faults during slow subsidence of the down side of the fault (Bloy and Hadley, 1989; Dufresne *et al.*, 1996). The northwest trending Fox Creek basement structural break lines up well with the adjacent and overlying edge of the Swan Hills platform and with the prominent Fox Creek gas zone that underlies the

property and is contained within or spatially related to the Beaverhill Lake carbonates (Figure 3).

DEPOSIT TYPES

Lithium is a relatively rare element, it is found in a number of rock types and near surface "continental" brines but almost always in very low concentrations. Lithium can become concentrated in flowing and cooling magma (and/or the associated fluids), which often results in high concentrations of Li in pegmatite related mica, and in evaporating continental brines because it has a higher solubility than most other cations in the brine (Garrett, 2004). Currently, the major commercial sources of Li are continental brines and their evaporitic products, and Li-rich mica in pegmatites. Additional sources of Li have been identified including hectorite (a Li-bearing clay) and deeper formation waters in the form of geothermal brines and oilfield brines. Apart from continental brines found near the surface, formation waters have not been used as a commercial source of Li, mainly because of low reported concentrations of Li in the much deeper formation water brines. However, the actual amount of reported Li analyses for formation waters across the world is sparse at best. The Li values reported by Hitchon *et al.*, (1995) for deep formation water brines in the Swan Hills region of the Alberta basin are comparable to those reported for the near surface brines that are currently being produced for Li at Clayton Valley, Nevada. Deposit types pertinent to the Fox Creek property are discussed below.

Continental Brines

Continental brines with high Li content are mainly found in the porous strata below the surface of playas (dry lakes), particularly in the volcanically active, high plateaus of the central Andes or China. Currently, Chile (Salar de Atacama) is the largest producer of Li from near surface continental brines, but significant production also comes from Argentina (Salar de Hombre Muerto) and the United States (Clayton Valley, Nevada).

Lithium-bearing playa deposits have several characteristics in common: they occur within volcanic belts, in closed structural depressions and within desert belts (Kunasz, 1980). The source of Li in high Li continental brines is thought to be principally derived from geothermal waters with a minor contribution from surface leaching of volcanic ash, clays or other recent rocks. Studies have shown that at low temperatures, Li is very difficult to leach from rocks and minerals so little is dissolved at near surface conditions (Garrett, 2004). However, Li concentrations of 6 to 50 ppm have been measured from some geothermal springs indicating that at higher temperatures (i.e. >300°C) leaching conditions allow a greater amount of Li to be dissolved. The source of Li for geothermal waters is believed to be volcanic rocks (Kunasz, 1980). However, concentrations of Li of 6 to 50 ppm are still considered quite low and further concentration of the Li content of geothermal waters is achieved by near surface evaporation. When geothermal waters collect in a closed, reasonably impervious basin

in an arid climate with low fresh water recharge and good solar ponding conditions, over time, the Li concentration can be significantly increased due to its greater solubility than many of the other component elements in a near-surface brine (Garrett, 2004).

As discussed in the history section above, the formation waters at a depth of 3,300 to 4,000 m below surface of First Lithium's Fox Creek Property yield similar Li concentrations to those found in the currently producing Clayton Valley Li brine deposit. The Clayton Valley deposit is hosted in a relatively small playa with an area of 64 km^2 (Zampirro, 2005). The porous strata below the surface are primarily Quaternary alluvial gravel, sand, silt, and clay with some gypsum, calcite and halite (Kunasz, 1980). Lithium is being produced from shallow wells into the Quaternary sediments and a volcanic ash hosted aquifer. The sediments are tilted and several fault lines are present which act as a trap for the more concentrated Li brine (Zampirro, 2005). They host a concentrated NaCl brine with subordinate concentrations of K and sulfate (SO_4) along with very low concentrations of magnesium and other ions (Kunasz, 1980). At initial production in 1966, the Clayton Valley brine had an average Li content of 400 ppm but has been declining since, with current concentrations estimated at 100-300 ppm Li (average 160 ppm; Kunasz, 2006). Production of Li at Clayton Valley is from 50 wells pumping brine at 30-325 gallons per minute from depths of 70 to 487 m (230 to1,600 ft) spanning 6 aquifers (Zampirro, 2005). The original estimates for the total Li reserves at Clayton Valley ranged from 115,000 tonnes Li (Kunasz, 1994) to 382,000 tonnes Li (Garrett, 2004 and references therein).

The origin of the Li in the brines at Clayton Valley is thought to be volcanic and/or related to geothermal activity. It is thought that the brines have then been upgraded due to historic solar evaporative processes. It is not clear what is the original source for the Li in the formation brines underlying the Fox Creek Property. Perhaps the most obvious source is Li derived from the Prairie Evaporite, a significant and thick basin wide evaporite sequence within the Elk Point Group immediately beneath the Beaverhill Lake and Woodbend formation aquifers. The high concentrations of Li would represent a Devonian analogue of the much more recent Li enriched Salars and Playas in South America. An alternative source is from hot and highly corrosive brines associated with dissolution of the Prairie Evaporite salts that come into contact with and can dissolve pegmatitic to granitoid basement rocks at the contact between Elk Point rocks and Precambrian basement. Formation water brines with 300,000 to 350,000 ppm (mg/l) total dissolved salts (more than 6 times the salinity of seawater) are well documented in the Alberta Basin. These highly corrosive brines could dissolve significant amounts of rock putting significant amounts of Li into solution. All that would be needed to get the Li enriched brines into the Beaverhill Lake or Woodbend Formation aquifers is structure.

Geothermal Brines

Geothermal brines form in areas of geothermal activity usually associated with either prominent or latent active volcanism. A well known occurrence is the Salton Sea Brine, a 60 km_2 underground lake of hot (100-400°C) NaCl and $CaCl_2$ enriched brine, located in southern California (Garrett, 2004; Tahil, 2007). The brine is found in porous

sediments at depths ranging from 500 to 3,000 m. The Salton Sea brines contain a very large array of metals and other uncommon ions including Li with an average lithium content of 200 ppm (similar to the Clayton Valley deposit; Vine, 1980). The brine is thought to be sourced from the meteoric water flowing through fault lines deep into the earth where it is heated by hot rocks or magma. The composition of the brine suggests that the descending water dissolved high magnesium potash salts and then underwent a dolomitization reaction converting most of its calcium content to magnesium. Subsequently when the brine was heated it became highly corrosive and dissolved the wide array of metal ions that it now contains (Garrett, 2004). The brine lake lies on the very active San Andreas Fault and the descending Pacific plate indicating that the heat source might be at considerable depth. Lithium values of up to 400 ppm have been measured in pilot solar ponds used for potash recovery but no Li has been recovered (Vine, 1980). The potential recovery of Li has also been studied from the geothermal brines from Reykjanes Geothermal field (Iceland), Wairakei (New Zealand), Cesano (Italy), Cronembourg (France) and Japan (Garrett, 2004).

Oilfield Brines

Formation waters associated with some of the world's oil fields are known to contain medium to highly anomalous concentrations of Li and are considered potential sources for large tonnages of Li. For example, the Smackover brines in the southern United States (Arkansas and Texas) are high NaCl and $CaCl_2$ brines with concentrations of Li ranging from 50 to 572 ppm (Garrett, 2004). The Smackover brines are located in an extensive petroleum reservoir, on top of the brines floats crude oil and natural gas. Oil production from the field commenced in the 1920's (Tahil, 2007). The high Ca and Br content of these brines suggest they are concentrated seawater dolomitization brines with the high concentrations of Li (along with B and other trace ions) supplied by geothermal sources. The Smackover brines are found at depths ranging from 1,800 to 4,800 m and have a formation thickness of 213 m. The brine is hosted in an oolitic limestone with an average porosity of about 5% (Garrett, 2004). Currently only Br is recovered from the Arkansas brines however studies have been conducted on the potential recovery of Li (Garrett, 2004; Tahil, 2007).

MINERALIZATION

Mineralization on the property consists of Li-enriched Na-Ca brines hosted in aquifers within Devonian carbonate reef complexes with demonstrated good porosity and permeability. Hitchon *et al.*, (1995) identified the potential Li bearing formation water brines in the Beaverhill Lake and Woodbend formation aquifers associated with reef complexes in the Swan Hills Area. The southern Woodbend (Leduc) formation aquifer has a potentially productive area of about 3,400 km^2 with about 5% of the surface aquifer area underlying the southern portion of the Fox Creek Property at a depth of approximately and 3,100 m below surface. The Beaverhill Lake aquifer has a potentially productive area of about 550 km^2 with about 50% of the surface area and an even larger portion when looking at the thickness of the productive zone underlying the

Fox Creek Property at a depth of about 3,200 m (Figure 4). In both cases, geochemical analyses of the Beaverhill Lake and Woodbend (Leduc) formation aquifers indicates that significant concentrations of Na, Ca, K along with B, Br and I are present in the aquifers. All of these elements should be looked at in conjunction with Li for possible commercial production.

The potentially productive zone in the southern Woodbend (Leduc) aquifer has an average thickness of 25 m, an average porosity of 6% and an average permeability of $2*10^{-14}m^2$ (Hitchon *et al.*, 1995). The potentially productive zone of the Beaverhill Lake aquifer has an average thickness of 46 m, an average porosity of 7% and an average permeability of $4.3*10^{-14}m^2$ (Hitchon *et al.*, 1995). The Beaverhill Lake aquifer at depths of about 3,200 m below surface yields water temperatures on the order of about 80°C.

Petroleum products are being produced from at least 144 wells within the boundaries of the Fox Creek and Valleyview Lithium Properties, along with 37 active disposal or injection wells. The Swan Hills region represents a mature petroleum field and today, most, if not all of the wells produce far more water than petroleum products. Many of the wells in this area in their early history started out at hundreds to thousands of barrels per day of petroleum products and required little active pumping to extract.

Today almost all of the wells produce far more formation water than they do petroleum products. Many of the batteries in the region, which take production from 5 to 10 wells, produce on average less than 200 barrels per day of petroleum products with pumping and produce anywhere from 5,000 to 50,000 gallons per hour of formation waters (about 2,500 to 25,000 barrels per day) from Devonian formation aquifers, in most cases the Beaverhill Lake or Woodbend (Leduc) aquifers underlying the petroleum reservoir (Lee Long, *pers comm.*, 2009). The wells essentially produce formation waters with minor amounts of petroleum products. The hot 80°C formation waters are generally treated in anode-cathode systems and then re-injected back into the reservoir in order to keep the pressures up within the reservoir.

2009 - 2010 LITHIUM EXPLORATION

Exploration during 2009 consisted of a detailed office based well compilation. APEX personnel compiled all available data for Li and other brine related elements that are contained within formation water brines underlying First Lithium's Fox Creek and other properties. Based upon a search of the Energy and Resources Conservation Board (ERCB) database using geoSCOUT™, a total of 637 oil, gas or water wells have been drilled within the boundaries of First Lithium's Fox Creek and Valleyview properties (Appendix 2), and have been drilled to a depth where they have intersected at least Devonian aged rocks (Figure 3). Today, a total of 144 wells are considered "Active Producing" (Appendix 2). A total of 456 wells are listed as having been suspended or abandoned (Appendix 2). The location of the wells, their current status and the important Devonian oil and gas pools and geological elements are shown in

Figure 3. A search using the water geochemistry module of geoSCOUTTM, indicates that there are wells on the property that have associated "water" or "filtrate" geochemical analyses, however none of the geochemical analyses in the geoSCOUTTM water geochemical database indicate that Li was analyzed.

In 2010, First Lithium sampled the formation waters from aquifers in 7 wells that are distributed across 40 km from 3 different producing oil and/or gas pools (Appendix 3, Table 4 and Figure 7). Four samples were collected from formation waters associated with wells producing gas from the Beaverhill Lake Formation aquifer in the vicinity of Smoke Lake and northwest along strike from the wells sampled by Channel Resources Ltd. (Channel Resources Ltd. News Release, October 7, 2009). The highest concentration of Li obtained from sampling by First Lithium was 73.5 parts per million (ppm) from well 14-24-060-19W5 (Appendix 3, Table 4 and Figure 7). Three of the four wells sampled by First Lithium yielded anomalous concentrations of Li, however, the results were slightly lower than the results reported by Channel along strike to the southeast (Figure 7). Channel reported concentrations of up to 112 ppm with an average of 88.3 ppm from 13 wells in the same aquifer but along strike to the southeast (Figure 7). The Beaverhill Lake aquifer in the area of Smoke Lake is more than 50 km in length and ranges from 3.5 to 8 km wide.

Table 4: First Lithium geochemical sample results for 2010 samples.

WATER ANALYSIS		**14-24-060-19W5**	**05-25-060-19W5**	**10-35-060-19W5**	**09-34-060-19W5**	**11-12-062-18W5**	**13-13-062-18W5**	**1/1A 06-19-059-20**
Parameter	**Unit**	**1811246**	**1811269**	**1811271**	**1811272**	**1811274**	**1811275**	**1755988**
pH		6.1	6.3	6	5.8	6.1	6	N/A
Bromide	mg/L	*	*	*	*	*	*	962
Total Boron	mg/L	124	122	13.8	96.2	82.7	81.2	200
Total Lithium	mg/L	73.5	73.4	8.98	58.3	31.5	30.5	93.2
Total Magnesium	mg/L	2200	2200	255	1820	870	701	2450
Total Calcium	mg/L	24300	25200	2610	19800	7460	6200	24400 ^
Total Potassium	mg/L	4880	4980	587	4050	2630	2750	5870 ^
Total Sodium	mg/L	56800	58800	12100	46800	23300	22800	59100 ^
Comments:	*Note: Not able to perform analysis due to the matrix interference.							
	^Note: Total Dissolved values							

First Lithium also sampled formation waters from two wells centered on the Beaverhill Lake Formation aquifer in the vicinity of Raspberry Lake (Figure 7). Hitchon *et al.* (1995) and Eccles and Jean (2010), report that two wells in the Raspberry Lake area yielded 115 and 130 ppm Li from formation waters out of the Beaverhill Lake aquifer. The highest concentration of Li obtained for the two First Lithium formation water samples was 31.5 ppm Li (Appendix 3, Table 4 and Figure 7). Even though the exact same wells sampled by the AGS in historic work were not sampled by First Lithium, It is unclear why there is such a large difference in the Li results for the

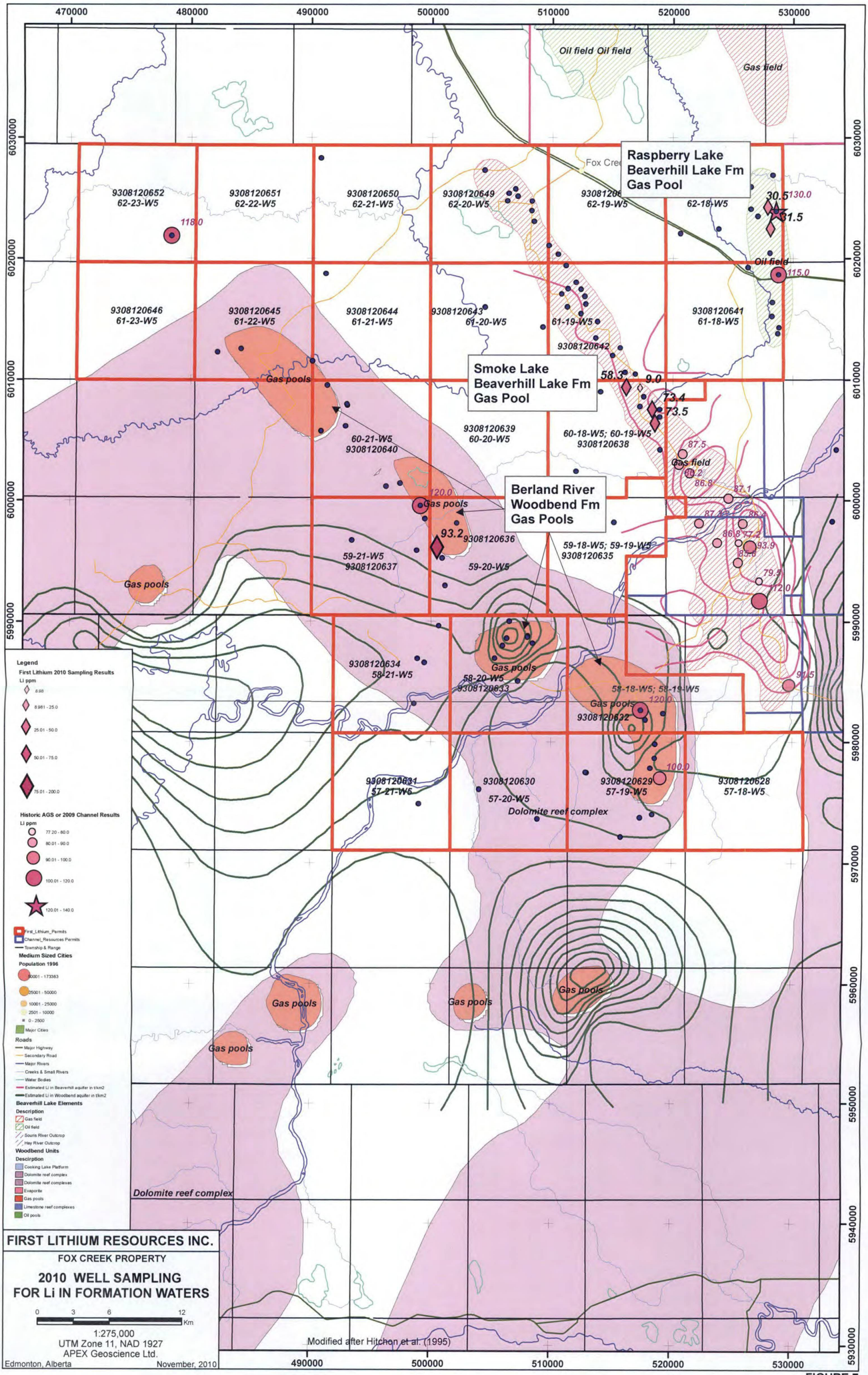

Raspberry Lake
Beaverhill Lake Fm
Gas Pool
Smoke Lake
Beaverhill Lake Fm
Gas Pool
Berland River
Woodbend Fm
Gas Pools
Oil field Oil field
Gas field
Fox Cree
9308120652
62-23-W5
9308120651
62-22-W5
9308120650
62-21-W5
9308120649
62-20-W5
62-19-W5
62-18-W5
30.5
130.0
31.5
118.0
Oil field
115.0
9308120646
61-23-W5
9308120645
61-22-W5
9308120644
61-21-W5
9308120643
61-20-W5
61-19-W5
9308120641
61-18-W5
9308120642
58.3
9.0
73.4
73.5
Gas pools
9308120639
60-20-W5
60-18-W5; 60-19-W5
9308120638
87.5
Gas field
80.2
86.8
87.1
60-21-W5
9308120640
120.0
Gas pools
93.2
9308120636
59-21-W5
9308120637
59-20-W5
59-18-W5; 59-19-W5
9308120635
86.8
77.2
93.9
85.6
79.5
112.0
Gas pools
9308120634
58-21-W5
58-20-W5
9308120633
Gas pools
58-18-W5; 58-19-W5
120.0
Gas pools
9308120632
91.5
100.0
9308120631
57-21-W5
9308120630
57-20-W5
Dolomite reef complex
9308120629
57-19-W5
9308120628
57-18-W5
Gas pools
Gas pools
Gas pools
Gas pools
Dolomite reef complex
6030000
6020000
6010000
6000000
5990000
5980000
5970000
5960000
5950000
5940000
5930000
470000
480000
490000
500000
510000
520000
530000
Legend
First Lithium 2010 Sampling Results
Li ppm
8.98
8.981 - 25.0
25.01 - 50.0
50.01 - 75.0
75.01 - 200.0
Historic AGS or 2009 Channel Results
Li ppm
77.20 - 80.0
80.01 - 90.0
90.01 - 100.0
100.01 - 120.0
120.01 - 140.0
First_Lithium_Permits
Channel_Resources Permits
Township & Range
Medium Sized Cities
Population 1996
50001 - 173383
25001 - 50000
10001 - 25000
2501 - 10000
0 - 2500
Major Cities
Roads
Major Highway
Secondary Road
Major Rivers
Creeks & Small Rivers
Water Bodies
Estimated Li in Beaverhill aquifer in t/km2
Estimated Li in Woodbend aquifer in t/km2
Beaverhill Lake Elements
Description
Gas field
Oil field
Souris River Outcrop
Hay River Outcrop
Woodbend Units
Descirption
Cooking Lake Platform
Dolomite reef complex
Dolomite reef complexes
Evaporite
Gas pools
Limestone reef complexes
Oil pools
FIRST LITHIUM RESOURCES INC.
FOX CREEK PROPERTY
2010 WELL SAMPLING
FOR Li IN FORMATION WATERS
0 3 6 12
Km
1:275,000
UTM Zone 11, NAD 1927
APEX Geoscience Ltd.
Edmonton, Alberta
November, 2010
Modified after Hitchon et al. (1995)

FIGURE 7

samples collected by First Lithium from wells near the wells that were sampled in the historic AGS sample results published by Hitchon *et al.* (1995).

A single formation water sample was collected by First Lithium personnel from one of four producing gas pools in the Woodbend Formation in the vicinity of the Berland River (Appendix 3, Table 4 and Figure 7). Hitchon *et al.* (1995) and Eccles and Jean (2010) report that a well from the same pool approximately 3.7 km northwest of the well sampled by First Lithium yielded 120 ppm Li. Formation water collected by First Lithium from well 1/1A 06-19-059-20W5 yielded 93.2 ppm Li (Figure 7), indicating that the Berland River gas pools are prospective for high concentrations of Li and other industrial minerals. High concentrations of Br, B and K were also present in the First Lithium sample (Appendix 3, Table 4 and Figure 7). The presence of significant concentrations of other elements in the brine also validates the project's potential to support a multi-product brine processing operation. The sampling program has validated the concept of establishing the Fox Creek project as a potential producer of a number of high-value products, including lithium chloride, lithium carbonate, potash and borates.

SAMPLING METHOD AND APPROACH

In 2010, formation water samples were collected from wells producing hydrocarbons from stratigraphic horizons of interest i.e. the Devonian Beaverhill Lake Aquifer. AGAT Laboratories Ltd. (AGAT) provided three 100 milliliter (ml) viles and a 1 litre bottle along with chemical stabilizers for the collection of samples by personnel from Total Enerflex and First Lithium. The samples were collected by personnel from Total Enerflex using Mobile LGR Units on behalf of the oil and gas companies operating the sampled wells. A number of the wells were considered sour (containing H2S gas) and therefore required experienced well site samplers and the mobile LGR units in order to collect formation water samples. The formation water samples were labelled with the well number and then were couriered to AGAT Laboratories (AGAT) in Calgary for analysis. Personnel from First Lithium were initially on site to observe and approve the methodology of sample collection. Sample descriptions, locations and the results are presented in Appendix 3 and are summarized on Figure 7.

SAMPLE PREPARATION, ANALYSIS AND SECURITY

The 2010 formation water samples were collected from 7 discreet wells by personnel from Total Enerflex and were sent directly to AGAT in Calgary. AGAT analyzed the samples using a variety of wet chemical techniques that are described on the assay certificates in Appendix 3. The locations of the sampled wells are shown on Figure 7.

Tables 5 and 6 present the analytical methodology used by AGAT and the Quality Assurance and Quality Control parameters provided by AGAT.

Table 5: Analytical method summary for 2010 well sampling.

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Water Analysis			
pH	INST 0101	SM 4500 H+	PH METER
Bromide	INST 0150	SM 4110 B	ION CHROMATOGRAPH
Total Boron	WATR 0200; INST 0141	SM 3030 E; SM 3125 B	ICP-MS
Total Lithium	WATR 0200; INST 0141	SM 3030 E; SM 3125 B	ICP-MS
Total Magnesium	WATR 0200; INST 0140	SM 3030 E; SM 3120 B	ICP/OES
Total Calcium	WATR 0200; INST 0140	SM 3030 E; SM 3120 B	ICP/OES
Total Potassium	WATR 0200; INST 0140	SM 3030 E; SM 3120 B	ICP/OES
Total Sodium	WATR 0200; INST 0140	SM 3030 E; SM 3120 B	ICP/OES

Table 6: Quality Assurance for 2010 Sampling, First Lithium

Water Analysis

RPT Date: Jun 17, 2010			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
Water Analysis															
pH	1324		4.4	4.4	0.0%		100%	90%	110%						
Total Boron	1326		0.24	0.24	0.0%	< 0.02	107%	90%	110%		90%	110%	101%	75%	125%
Total Lithium	1326		0.055	0.055	0.0%	< 0.001	118%	80%	120%		90%	110%	97%	75%	125%
Total Magnesium	1189	911	<0.2	<0.2	0.0%	< 0.2	102%	90%	110%		90%	110%	99%	75%	125%
Total Calcium	1189	911	2.25	2.23	0.8%	< 0.01	101%	90%	110%		90%	110%	98%	75%	125%
Total Potassium	1189	911	<0.6	<0.6	0.0%	< 0.6	102%	90%	110%		90%	110%	102%	75%	125%
Total Sodium	1189	911	288	289	0.2%	< 0.6	101%	90%	110%		90%	110%	100%	75%	125%

DATA VERIFICATION

All physical sampling, sample handling and testing undertaken as part of the 2010 work program was conducted by independent contractors. The formation water sampling procedure for this program was overseen by First Lithium personnel and Michael B. Dufresne, the Company's independent 'Qualified Person'.

The prepared samples were sent by courier to AGAT in Calgary, Alberta for analysis. AGAT performs analyses according to rigorous QA/QC and certification standards, including the insertion of analytical control samples and blanks (Appendix 3 and Table 6). AGAT is accredited to ISO/IEC 17025 by the Canadian Association for Analytical Laboratories (CALA) and/or the Standards Council of Canada (SCC) for specific tests.

ADJACENT PROPERTIES

East of First Lithium's Fox Creek Property, Channel Resources Ltd. holds a number of permits and is conducting exploration for Li-bearing brines along with co-product Br, B and K. Channel has conducted well sampling and bulk sampling of the brines on their property leading to metallurgical testing. Channel has recently announced that they are conducting further metallurgical tests and have commissioned a resource estimate (Channel Resources Ltd. News Release, November 17, 2010).

Additionally, in 2010, the AGS constructed an Alberta-wide Lithium Ground Water and Formation Water Geochemical dataset, which comprised Li datasets from the AGS (oil and gas wells datasets, AERI and Beaver Basin projects) and the ARC. The intent of the data compilation was to aid industry in evaluating and characterizing resource estimates by being able to distinguish what is background and anomalous values of Li throughout Alberta. The resulting digital dataset contained 1,511 records, of which 48 returned values greater than the threshold of 75 ppm. A total of 19 analyses returned greater than 100 ppm Li from the Beaverhill Lake Formation and Woodbend and Winterburn Groups in west-central to northwestern Alberta. A total of five of these results were located on the Fox Creek Property (Figure 7; Eccles, D.R. and Jean, G.M., 2010)

OTHER RELEVANT DATA AND INFORMATION

There are no Li producing brine operations in Canada. Production of Li from brines in North America is currently solely from the Clayton Valley playa in Nevada. Lithium has many properties which make it useful in commercial applications. It is electrochemically reactive, has a low thermal expansion coefficient, high specific heat and flat viscosity/temperature ratios. The main uses of Li compounds are in the production of glass, ceramics, lubricants, primary aluminum, pharmaceuticals and batteries (Ebensperger *et al.*, 2005). Growth in Li battery use has resulted in batteries becoming the leading end-use for Li as of 2007 (Jaskula, 2008). Additionally, Li-ion batteries are rapidly becoming the favored technology for powering Hybrid and Electric Vehicles - EVs (Tahil, 2007). Li-Ion batteries require a very pure form of Li carbonate that can only be produced cost effectively from brine deposits (Tahil, 2007).

Over the past two decades cheaper prices and abundant supply has led to a shift away from rock based ore minerals to brines as the major source of Li. Currently production from brine deposits supplies 60-80% of the world's Li market. Production of Li from brines requires much less energy and is much more environmentally friendly than Li production from ores (Warren, 2006). The supply of cheap Li from brine operations led to a drop in the real price of Li by up to 50% from the mid-1990's to early 2000's. However, a steady increase in the price of Li has occurred since 2003 (Table 5) with a steep increase reported for 2007 due to increased global demand (especially for Li batteries) (Moores, 2007; Jaskula, 2008). Currently, estimated Li resources meet or exceed expected demand (Contesse and Ponce, 2008; Warren, 2006). However, it is

likely that Li needs will expand over current projections with the increasing use of Li-ion batteries and especially with the advent of Li-Ion battery powered EVs, thus reducing the current oversupply (Warren, 2006; Tahil, 2007).

ESTIMATED EXPEDITURES

During 2009 and 2010, exploration conducted on the Fox Creek Property included geological research and sampling of formation waters and geochemical analysis. First Lithium has also engaged a consulting engineering group to aid in metallurgical work to determine an adequate process for extraction testing. Exploration expenditures totalled CDN$38,066.81 including the allowed 10% overhead but not including GST. A summary of exploration costs and a detailed expense report is provided in Appendix 4.

INTERPRETATION AND CONCLUSIONS

In 2009 First Lithium engaged APEX to perform a review and compilation of formation water and petroleum well data for First Lithium's Fox Creek Property. The Fox Creek Property is located in west-central Alberta, with the town of Fox Creek sitting in the north east corner of the Property. The Fox Creek Property is comprised of 25 Industrial and Metallic Mineral Permits which together form a single contiguous package of land that totals approximately 229,097 hectares (Ha).

First Lithium's Fox Creek mineral permits cover a large portion of gas fields hosted in the Devonian Woodbend (Leduc) and Beaverhill Lake carbonate reef complexes. Spatially associated with the gas pools are aquifers that consist of Li-enriched Na-Ca chloride brines. Based on the Li concentration and rock property data (porosity and permeability) there are three areas (aquifers) with potential for formation water production and Li extraction. Of interest to First Lithium's Fox Creek property is the southern Woodbend (Leduc) reef and the Beaverhill Lake aquifer both partially underlying the Fox Creek Property, particularly for the Raspberry Lake, Smoke Lake and Berland River areas (Figure 7).

Based upon the information provided by Hitchon *et al.* (1995) in AGS Bulletin 62, First Lithium's Fox Creek Property is a high priority for exploration for Li in Devonian formation water aquifers as it provides not only highly anomalous concentrations of Li but also large quantities of formation waters in producible aquifers with other potentially producible elements such as K, Br and B (Figures 3 and 7). Within the Fox Creek Property, there are at least 8 areas that should be targeted for Li in formation waters (Figures 3 and 7). The Smoke Lake Beaverhill Block is likely the highest priority target area for formation water sampling as it covers the Devonian Beaverhill Lake gas field and aquifer where Hitchon *et al.* (1995) have calculated a historic Li resource. There are 33 active wells in the Smoke Lake Beaverhill Block (Figures 3 and 7), the vast majority of which are currently operated by Celtic Exploration Ltd. and Auriga Energy Inc. with a

few wells operated by BP Canada Energy Company. The Smoke Lake Beaverhill Trend represents the main formation water trend that Channel is also exploring for Li and other elements in formation brines. Hitchon *et al.* (1995) indicates that it contains a large portion of the historic calculated Li resource that they describe and it is the number one target for Li in formation waters.

The Raspberry Lake Beaverhill Block is centered over a Beaverhill Lake Oil Pool (with some gas production) with at least 2 wells that have yielded 115 and 130 ppm Li from associated formation waters. There are 13 active wells in the field that are mainly operated by Celtic Exploration Ltd. and Trilogy Energy Ltd. (Figures 3 and 7). The Berland River Trend consists of 4 areas centered over Devonian Woodbend Formation gas pools and associated aquifers that Hitchon *et al.* (1995) indicate at least 3 wells have yielded between 100 and 120 ppm Li from the associated formation waters (Figures 3 and 7). Each of the four areas highlighted in the Berland River Trend contain between 7 and 10 active wells with a total of 32 active wells in the trend. BP Canada Energy Company and Daylight Energy Ltd. are the main operators of the active gas wells.

In 2010, First Lithium sampled the formation waters from aquifers in 7 wells that are distributed across 40 km from 3 different producing oil and/or gas pools (Appendix 3, Table 4 and Figure 7). Four samples were collected from formation waters associated with wells producing gas from the Beaverhill Lake Formation aquifer in the vicinity of Smoke Lake and northwest along strike from the wells sampled by Channel. The highest concentration of Li obtained from sampling by First Lithium was 73.5 ppm. Three of the four wells sampled by First Lithium yielded anomalous concentrations of Li, however, the results were slightly lower than the results reported by Channel along strike to the southeast (Figure 7). However, the sampling has confirmed the anomalous nature and prospectivity of the Beaverhill Lake aquifer in the area of Smoke Lake. The aquifer is more than 50 km in length and ranges from 3.5 to 8 km wide.

First Lithium also sampled formation waters from two wells centered on the Beaverhill Lake Formation aquifer in the vicinity of Raspberry Lake (Figure 7). The highest concentration of Li obtained for the two First Lithium formation water samples was 31.5 ppm Li (Appendix 3, Table 4 and Figure 7). A single formation water sample was collected by First Lithium personnel from one of four producing gas pools in the Woodbend Formation in the vicinity of the Berland River (Appendix 3, Table 4 and Figure 7). Formation water collected by First Lithium from well 1/1A 06-19-059-20W5 yielded 93.2 ppm Li (Figure 7), indicating that the Berland River gas pools are prospective for high concentrations of Li and other industrial minerals. High concentrations of Br, B and K were also present in the sample (Appendix 3, Table 4 and Figure 7). The presence of significant concentrations of other elements in the brine also validates the project's potential to support a multi-product brine processing operation. The sampling program has validated the concept of establishing the Fox Creek project as a potential producer of a number of high-value products, including lithium chloride, lithium carbonate, potash and borates.

Based upon the APEX data review, the encouraging sampling results and the similarities to the producing Clayton Valley brines, aquifers within the Devonian Beaverhill Lake and Woodbend (Leduc) carbonate reef complexes underlying the Fox Creek Property held by First Lithium warrant further exploration for Li as well as other associated elements including Na, Ca, K, Mg, B, Br and I. The concentrations of Li in conjunction with numerous producing gas wells and other infrastructure on the Property that are already producing significant amounts of formation waters from the targeted horizons indicate that significant potential exists for the Fox Creek Property to yield brines with Li. Further work is required to confirm the continuity and producibility of the Li-bearing brines and, if the continuity and producibility can be confirmed, a process methodology that could work in conjunction with current gas field batteries that are currently producing the waters, treating them and re-injecting those waters back into the reservoirs or other formations.

RECOMMENDATIONS

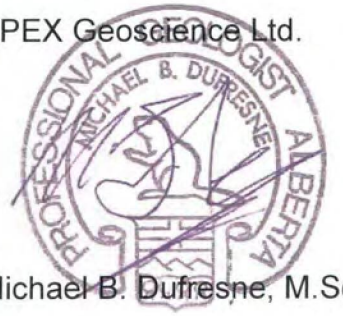
Stage 1 exploration should continue with a) further compilation and research for existing water chemical analyses, with the office work consisting of recreating Dr. Hitchon's formation water database, further investigations at the ERCB in Calgary, an investigation of the water producibility of each active well and even some of the suspended or abandoned but old producing wells. Concurrently with the compilation, Stage 1 b) should consist of continuing the ongoing field based water chemistry sampling program consisting of a well sampling to better determine the Li and other element potential of the Fox Creek Property formation brines.

APEX strongly recommends sampling 35 to 50 wells within the Fox Creek Property spread amongst Raspberry Lake, Smoke Lake and Berland River target areas. The sampling program will require the use of an LGR Unit to conduct the sampling which will cost about $2,500 per day and include the sophisticated LGR Unit (truck mounted) along with two technicians to operate it and conduct the sampling. The end result would be a number of formation water analyses. If a reasonable grade of Li of about 80 to 150 ppm confirmed and is reasonably consistent from one well to the next, the data might permit a preliminary resource calculation.

Once the field and analytical data are in hand, geochemical groundwater modeling should be carried out followed by process engineering design and bench scale testing. In order to get to a proper 43-101 compliant resource a hydrogeological consultant will be required help evaluate the porosity, permeability, total content of formation water and recharge capacity of the reservoir.

The total all up estimated cost including a 43-101 report at the end of the program is $100,000 including GST. The estimated time frame to conduct the sampling is about 3 months.

APEX Geoscience Ltd.



Michael B. Dufresne, M.Sc., P.Geol.

Edmonton, Alberta Canada
February 28, 2011

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CERTIFICATE OF AUTHOR

I, Michael B. Dufresne, M.Sc., P.Geol., do hereby certify that:

1. I am President of: APEX Geoscience Ltd.
   Suite 200, 9797 – 45th Avenue
   Edmonton, Alberta T6E 5V8
   Phone: 780-439-5380

2. I graduated with a B.Sc. Degree in Geology from the University of North Carolina at Wilmington in 1983 and with a M.Sc. Degree in Economic Geology from the University of Alberta in 1987.

3. I am and have been registered as a Professional Geologist with the Association of Professional Engineers, Geologists and Geophysicists of Alberta since 1989.

4. I have worked as a geologist for more than 25 years since my graduation from university.

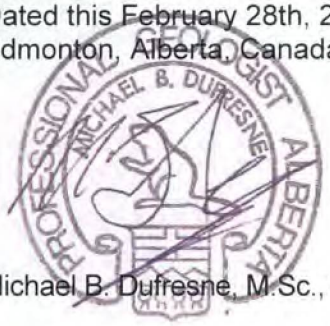
5. I have read the definition of "Qualified Person" set out in National Instrument 43-101 ("NI 43-101") and certify that by reason of my education, affiliation with a professional association (as defined in NI 43-101) and past relevant work experience, I fulfill the requirements to be a "Qualified Person" for the purposes of NI 43-101.

6. I am responsible for, or directly supervised, the preparation of all sections of the Assessment Report titled **"Assessment Report for Lithium Exploration on the Fox Creek Property, Swan Hills Area, West-Central Alberta: Metallic and Industrial Mineral Permits 9308120628 to 9308120652"**, and dated February 28th, 2011 (the "Assessment Report").

7. I am not aware of any material fact or material change with respect to the subject matter of the Technical Report that is not reflected in the Technical Report, the omission to disclose which makes the Technical Report misleading.

8. I consent to the filing of the Assessment Report with any regulatory authority and publication by them for regulatory purposes, including electronic publication in the public company files on their websites accessible by the public, of the Assessment Report.

Dated this February 28th, 2011
Edmonton, Alberta, Canada



Michael B. Dufresne, M.Sc., P.Geol.

APPENDIX 1

Metallic and Industrial Mineral Permit Descriptions

Alberta

MINERAL AGREEMENT DETAIL REPORT

Report Date: March 1, 2011 11:45:20 PM

Agreement Number: 093 9308120628

Status: ACTIVE
Term Date: 2008.12.02
Agreement Area: 8896.0000
Continuation Date:

DESIGNATED REPRESENTATIVE

Client Id: 1002554
Client Name: FIRST LITHIUM RESOURCES INC.
Address: 788 RICHARDS ST SUITE 3102
VANCOUVER, BC
CANADA V6B 0C7

LAND / ZONE DESCRIPTION

5-18-057: 01;03L2,L7,L10,L15,SWNW;04-36

METALLIC AND INDUSTRIAL MINERALS

Alberta

MINERAL AGREEMENT DETAIL REPORT

Report Date: March 1, 2011 11:49:40 PM

Agreement Number: 093 9308120629

Status: ACTIVE
Agreement Area: 9216.0000

Term Date: 2008.12.02
Continuation Date:

DESIGNATED REPRESENTATIVE

Client Id: 1002554
Client Name: FIRST LITHIUM RESOURCES INC.
Address: 788 RICHARDS ST SUITE 3102
VANCOUVER, BC
CANADA V6B 0C7

LAND / ZONE DESCRIPTION

5-19-057: 01-36

METALLIC AND INDUSTRIAL MINERALS

Alberta

MINERAL AGREEMENT DETAIL REPORT

Report Date: March 1, 2011 11:49:55 PM

Agreement Number: 093 9308120630

Status: ACTIVE
Agreement Area: 9216.0000

Term Date: 2008.12.02
Continuation Date:

DESIGNATED REPRESENTATIVE

Client Id: 1002554
Client Name: FIRST LITHIUM RESOURCES INC.
Address: 788 RICHARDS ST SUITE 3102
VANCOUVER, BC
CANADA V6B 0C7

LAND / ZONE DESCRIPTION

5-20-057: 01-36

METALLIC AND INDUSTRIAL MINERALS

Alberta

MINERAL AGREEMENT DETAIL REPORT

Report Date: March 1, 2011 11:50:23 PM

Agreement Number: 093 9308120631

Status: ACTIVE
Agreement Area: 9216.0000

Term Date: 2008.12.02
Continuation Date:

DESIGNATED REPRESENTATIVE

Client Id: 1002554
Client Name: FIRST LITHIUM RESOURCES INC.
Address: 788 RICHARDS ST SUITE 3102
VANCOUVER, BC
CANADA V6B 0C7

LAND / ZONE DESCRIPTION

5-21-057: 01-36

METALLIC AND INDUSTRIAL MINERALS

Alberta

MINERAL AGREEMENT DETAIL REPORT

Report Date: March 1, 2011 11:50:50 PM

Agreement Number: 093 9308120632

Status: ACTIVE
Agreement Area: 9216.0000

Term Date: 2008.12.02
Continuation Date:

DESIGNATED REPRESENTATIVE

Client Id: 1002554
Client Name: FIRST LITHIUM RESOURCES INC.
Address: 788 RICHARDS ST SUITE 3102
VANCOUVER, BC
CANADA V6B 0C7

LAND / ZONE DESCRIPTION

5-18-058: 04-9;16-18
5-19-058: 01-21;28-33

METALLIC AND INDUSTRIAL MINERALS

Alberta

MINERAL AGREEMENT DETAIL REPORT

Report Date: March 1, 2011 11:51:05 PM

Agreement Number: 093 9308120633

Status: ACTIVE
Agreement Area: 9216.0000

Term Date: 2008.12.02
Continuation Date:

DESIGNATED REPRESENTATIVE

Client Id: 1002554
Client Name: FIRST LITHIUM RESOURCES INC.
Address: 788 RICHARDS ST SUITE 3102
VANCOUVER, BC
CANADA V6B 0C7

LAND / ZONE DESCRIPTION

5-20-058: 01-36

METALLIC AND INDUSTRIAL MINERALS

Alberta

MINERAL AGREEMENT DETAIL REPORT

Report Date: March 1, 2011 11:51:19 PM

Agreement Number: 093 9308120634

Status: ACTIVE
Agreement Area: 9216.0000

Term Date: 2008.12.02
Continuation Date:

DESIGNATED REPRESENTATIVE

Client Id: 1002554
Client Name: FIRST LITHIUM RESOURCES INC.
Address: 788 RICHARDS ST SUITE 3102
VANCOUVER, BC
CANADA V6B 0C7

LAND / ZONE DESCRIPTION

5-21-058: 01-36

METALLIC AND INDUSTRIAL MINERALS

Alberta

MINERAL AGREEMENT DETAIL REPORT

Report Date: March 1, 2011 11:51:47 PM

Agreement Number: 093 9308120635

Status: ACTIVE
Agreement Area: 8400.0000

Term Date: 2008.12.02
Continuation Date:

DESIGNATED REPRESENTATIVE

Client Id: 1002554
Client Name: FIRST LITHIUM RESOURCES INC.
Address: 788 RICHARDS ST SUITE 3102
VANCOUVER, BC
CANADA V6B 0C7

LAND / ZONE DESCRIPTION

6-18-059: 31L1SE,L1SW,L1NE,L2SE,L2SWL3SE,L3SW,L3NW,L4-L5,L6SWL6NW,L8SE,L8NE,NW,NE
5-19-059: 03-10;15-36
5-19-060: 01-2

METALLIC AND INDUSTRIAL MINERALS

Alberta

MINERAL AGREEMENT DETAIL REPORT

Report Date: March 1, 2011 11:52:05 PM

Agreement Number: 093 9308120636

Status: ACTIVE
Agreement Area: 9216.0000

Term Date: 2008.12.02
Continuation Date:

DESIGNATED REPRESENTATIVE

Client Id: 1002554
Client Name: FIRST LITHIUM RESOURCES INC.
Address: 788 RICHARDS ST SUITE 3102
VANCOUVER, BC
CANADA V6B 0C7

LAND / ZONE DESCRIPTION

5-20-059: 01-36

METALLIC AND INDUSTRIAL MINERALS

Alberta

MINERAL AGREEMENT DETAIL REPORT

Report Date: March 1, 2011 11:52:22 PM

Agreement Number: 093 9308120637

Status: ACTIVE
Agreement Area: 9152.0000

Term Date: 2008.12.02
Continuation Date:

DESIGNATED REPRESENTATIVE

Client Id: 1002554
Client Name: FIRST LITHIUM RESOURCES INC.
Address: 788 RICHARDS ST SUITE 3102
VANCOUVER, BC
CANADA V6B 0C7

LAND / ZONE DESCRIPTION

5-21-059: 01L11-L12,SE,SW,NE;02-11;12L5-L6,SE,NW,NE;13-36

METALLIC AND INDUSTRIAL MINERALS

Alberta

MINERAL AGREEMENT DETAIL REPORT

Report Date: March 1, 2011 11:52:44 PM

Agreement Number: 093 9308120638

Status: ACTIVE
Agreement Area: 9216.0000

Term Date: 2008.12.02
Continuation Date:

DESIGNATED REPRESENTATIVE

Client Id: 1002554
Client Name: FIRST LITHIUM RESOURCES INC.
Address: 788 RICHARDS ST SUITE 3102
VANCOUVER, BC
CANADA V6B 0C7

LAND / ZONE DESCRIPTION

5-18-060: 31-32
5-19-060: 03-36

METALLIC AND INDUSTRIAL MINERALS

Alberta

MINERAL AGREEMENT DETAIL REPORT

Report Date: March 1, 2011 11:53:02 PM

Agreement Number: 093 9308120639

Status: ACTIVE
Agreement Area: 9216.0000

Term Date: 2008.12.02
Continuation Date:

DESIGNATED REPRESENTATIVE

Client Id: 1002554
Client Name: FIRST LITHIUM RESOURCES INC.
Address: 788 RICHARDS ST SUITE 3102
VANCOUVER, BC
CANADA V6B 0C7

LAND / ZONE DESCRIPTION

5-20-060: 01-36

METALLIC AND INDUSTRIAL MINERALS

Alberta

MINERAL AGREEMENT DETAIL REPORT

Report Date: March 1, 2011 11:53:19 PM

Agreement Number: 093 9308120640

Status: ACTIVE
Agreement Area: 9216.0000

Term Date: 2008.12.02
Continuation Date:

DESIGNATED REPRESENTATIVE

Client Id: 1002554
Client Name: FIRST LITHIUM RESOURCES INC.
Address: 788 RICHARDS ST SUITE 3102
VANCOUVER, BC
CANADA V6B 0C7

LAND / ZONE DESCRIPTION

5-21-060: 01-36

METALLIC AND INDUSTRIAL MINERALS

Alberta

MINERAL AGREEMENT DETAIL REPORT

Report Date: March 1, 2011 11:54:02 PM

Agreement Number: 093 9308120641

Status: ACTIVE
Agreement Area: 9216.0000

Term Date: 2008.12.02
Continuation Date:

DESIGNATED REPRESENTATIVE

Client Id: 1002554
Client Name: FIRST LITHIUM RESOURCES INC.
Address: 788 RICHARDS ST SUITE 3102
VANCOUVER, BC
CANADA V6B 0C7

LAND / ZONE DESCRIPTION

5-18-061: 01-36

METALLIC AND INDUSTRIAL MINERALS

Alberta

MINERAL AGREEMENT DETAIL REPORT

Report Date: March 2, 2011 8:36:28 AM

Agreement Number: 093 9308120642

Status: ACTIVE
Term Date: 2008.12.02
Agreement Area: 9216.0000
Continuation Date:

DESIGNATED REPRESENTATIVE

Client Id: 1002554
Client Name: FIRST LITHIUM RESOURCES INC.
Address: 788 RICHARDS ST SUITE 3102
VANCOUVER, BC
CANADA V6B 0C7

LAND / ZONE DESCRIPTION

5-19-061: 01-36

METALLIC AND INDUSTRIAL MINERALS

Alberta

MINERAL AGREEMENT DETAIL REPORT

Report Date: March 1, 2011 11:54:31 PM

Agreement Number: 093 9308120643

Status: ACTIVE
Agreement Area: 9216.0000

Term Date: 2008.12.02
Continuation Date:

DESIGNATED REPRESENTATIVE

Client Id: 1002554
Client Name: FIRST LITHIUM RESOURCES INC.
Address: 788 RICHARDS ST SUITE 3102
VANCOUVER, BC
CANADA V6B 0C7

LAND / ZONE DESCRIPTION

5-20-061: 01-36

METALLIC AND INDUSTRIAL MINERALS

Alberta

MINERAL AGREEMENT DETAIL REPORT

Report Date: March 1, 2011 11:54:45 PM

Agreement Number: 093 9308120644

Status: ACTIVE
Agreement Area: 9216.0000

Term Date: 2008.12.02
Continuation Date:

DESIGNATED REPRESENTATIVE

Client Id: 1002554
Client Name: FIRST LITHIUM RESOURCES INC.
Address: 788 RICHARDS ST SUITE 3102
VANCOUVER, BC
CANADA V6B 0C7

LAND / ZONE DESCRIPTION

5-21-061: 01-36

METALLIC AND INDUSTRIAL MINERALS

Alberta

MINERAL AGREEMENT DETAIL REPORT

Report Date: March 1, 2011 11:55:00 PM

Agreement Number: 093 9308120645

Status: ACTIVE
Term Date: 2008.12.02
Agreement Area: 9216.0000
Continuation Date:

DESIGNATED REPRESENTATIVE

Client Id: 1002554
Client Name: FIRST LITHIUM RESOURCES INC.
Address: 788 RICHARDS ST SUITE 3102
VANCOUVER, BC
CANADA V6B 0C7

LAND / ZONE DESCRIPTION

5-22-061: 01-36

METALLIC AND INDUSTRIAL MINERALS

Alberta

MINERAL AGREEMENT DETAIL REPORT

Report Date: March 1, 2011 11:55:16 PM

Agreement Number: 093 9308120646

Status: ACTIVE
Agreement Area: 9216.0000

Term Date: 2008.12.02
Continuation Date:

DESIGNATED REPRESENTATIVE

Client Id: 1002554
Client Name: FIRST LITHIUM RESOURCES INC.
Address: 788 RICHARDS ST SUITE 3102
VANCOUVER, BC
CANADA V6B 0C7

LAND / ZONE DESCRIPTION

5-23-061: 01-36

METALLIC AND INDUSTRIAL MINERALS

Alberta

MINERAL AGREEMENT DETAIL REPORT

Report Date: March 1, 2011 11:55:30 PM

Agreement Number: 093 9308120647

Status: ACTIVE
Agreement Area: 9216.0000

Term Date: 2008.12.02
Continuation Date:

DESIGNATED REPRESENTATIVE

Client Id: 1002554
Client Name: FIRST LITHIUM RESOURCES INC.
Address: 788 RICHARDS ST SUITE 3102
VANCOUVER, BC
CANADA V6B 0C7

LAND / ZONE DESCRIPTION

5-18-062: 01-36

METALLIC AND INDUSTRIAL MINERALS

Alberta

MINERAL AGREEMENT DETAIL REPORT

Report Date: March 1, 2011 11:55:43 PM

Agreement Number: 093 9308120648

Status: ACTIVE
Agreement Area: 9216.0000
Term Date: 2008.12.02
Continuation Date:

DESIGNATED REPRESENTATIVE

Client Id: 1002554
Client Name: FIRST LITHIUM RESOURCES INC.
Address: 788 RICHARDS ST SUITE 3102
VANCOUVER, BC
CANADA V6B 0C7

LAND / ZONE DESCRIPTION

5-19-062: 01-36

METALLIC AND INDUSTRIAL MINERALS

Alberta

MINERAL AGREEMENT DETAIL REPORT

Report Date: March 1, 2011 11:55:57 PM

Agreement Number: 093 9308120649

Status: ACTIVE
Agreement Area: 9113.6200

Term Date: 2008.12.02
Continuation Date:

DESIGNATED REPRESENTATIVE

Client Id: 1002554
Client Name: FIRST LITHIUM RESOURCES INC.
Address: 788 RICHARDS ST SUITE 3102
VANCOUVER, BC
CANADA V6B 0C7

LAND / ZONE DESCRIPTION

5-20-062: 01-14;15SEP
PORTION S L IN OUTSIDE SMO E LA E PROVINCIAL RECREATION AREA.

5-20-062: 15L11P
PORTION S L IN OUTSIDE SMO E LA E PROVINCIAL RECREATION AREA.

5-20-062: 15L10P
PORTION S L IN OUTSIDE SMO E LA E PROVINCIAL RECREATION AREA.

5-20-062: 15L12-L13,L14SW,L14NW,L15NE,L16SW;16-21;22L1,L4-L8,NW,NEL2P
PORTION S L IN OUTSIDE SMO E LA E PROVINCIAL RECREATION AREA.

5-20-062: 22L3P
PORTION S L IN OUTSIDE SMO E LA E PROVINCIAL RECREATION AREA.

5-20-062: 23-36

METALLIC AND INDUSTRIAL MINERALS

Alberta

MINERAL AGREEMENT DETAIL REPORT

Report Date: March 1, 2011 11:56:11 PM

Agreement Number: 093 9308120650

Status: ACTIVE
Term Date: 2008.12.02
Agreement Area: 9216.0000
Continuation Date:

DESIGNATED REPRESENTATIVE

Client Id: 1002554
Client Name: FIRST LITHIUM RESOURCES INC.
Address: 788 RICHARDS ST SUITE 3102
VANCOUVER, BC
CANADA V6B 0C7

LAND / ZONE DESCRIPTION

5-21-062: 01-36

METALLIC AND INDUSTRIAL MINERALS

Alberta

MINERAL AGREEMENT DETAIL REPORT

Report Date: March 1, 2011 11:56:34 PM

Agreement Number: 093 9308120651

Status: ACTIVE
Agreement Area: 9216.0000

Term Date: 2008.12.02
Continuation Date:

DESIGNATED REPRESENTATIVE

Client Id: 1002554
Client Name: FIRST LITHIUM RESOURCES INC.
Address: 788 RICHARDS ST SUITE 3102
VANCOUVER, BC
CANADA V6B 0C7

LAND / ZONE DESCRIPTION

5-22-062: 01-36

METALLIC AND INDUSTRIAL MINERALS

Alberta

MINERAL AGREEMENT DETAIL REPORT

Report Date: March 1, 2011 11:56:47 PM

Agreement Number: 093 9308120652

Status: ACTIVE
Term Date: 2008.12.02
Agreement Area: 9216.0000
Continuation Date:

DESIGNATED REPRESENTATIVE

Client Id: 1002554
Client Name: FIRST LITHIUM RESOURCES INC.
Address: 788 RICHARDS ST SUITE 3102
VANCOUVER, BC
CANADA V6B 0C7

LAND / ZONE DESCRIPTION

5-23-062: 01-36

METALLIC AND INDUSTRIAL MINERALS

APPENDIX 2

geoSCOUT™ Oil Well Data

460000 470000 480000 490000 500000 510000 520000

6090000 6080000 6070000 6060000 6050000 6040000 6030000 6020000 6010000 6000000 5990000 5980000 5970000

Dolomite reef complexes
Oil pools
Oil field
Gas pools
Gas field
Fox Creek
Modified after Hitchon et al. (1995)

32 30 140 33 9.3 34 42 33 15 34 37 43 92 36 42 110 76 136 115 130 120 97 120 120

Legend

First Lithium Wells Prospective For Sampling - Well Status

Target

- Athabasca Woodbend - Active
- Berland River Woodbend - Active
- Berland River Woodbend - Listed as Active and Suspended or Abandoned
- Raspberry Lake Woodbend - Active
- Raspberry Lake Woodbend - Listed as Active and Suspended or Abandoned
- Smoke Lake Beaverhill - Active
- Smoke Lake Beaverhill - Listed as Active and Suspended or Abandoned
- Valleyview North - Active
- Valleyview North - Listed as Active and Suspended or Abandoned
- Valleyview South - Active
- Active Well - Possible Alternate for Sampling
- Li Well - Suspended or Abandoned
- AGS DIG2010-0001 Lithium Analyses

First Lithium all wells

Status

- Not abandoned
- abandoned

AGS_DIG2010_0001_Lithium_Analyes.txt Events

Lithium

- 0.000000 - 9.000000
- 9.000001 - 29.000000
- 29.000001 - 59.000000
- 59.000001 - 99.000000
- 99.000001 - 140.000000

- Target Area For Li Sampling
- Township & Range

Medium Sized Cities

Population 1996

- 50001 - 173383
- 25001 - 50000
- 10001 - 25000
- 2501 - 10000
- 0 - 2500
- Major Cities

Roads

- Major Highway
- Secondary Road
- Major Rivers
- Creeks & Small Rivers
- Water Bodies
- Estimated Li in Beaverhill aquifer in t/km2
- Estimated Li in Woodbend aquifer in t/km2

Beaverhill Lake Elements

Description

- Gas field
- Oil field
- Souris River Outcrop
- Hay River Outcrop

Woodbend Units

Descirption

- Cooking Lake Platform
- Dolomite reef complex
- Dolomite reef complexes
- Evaporite
- Gas pools
- Limestone reef complexes
- Oil pools

FIRST LITHIUM RESOURCES INC.

FOX CREEK PROPERTY

TARGET AREAS FOR WELL SAMPLING FOR Li IN WATER CURRENT WELL STATUS

0 4 8 16 Km

1:325,000

UTM Zone 11, NAD 1927

APEX Geoscience Ltd.

Edmonton, Alberta March, 2010

FIGURE 1

460000 470000 480000 490000 500000 510000 520000

6090000 6080000 6070000 6060000 6050000 6040000 6030000 6020000 6010000 6000000 5990000 5980000 5970000

Dolomite reef complexes

Oil pools

Oil field

Oil field

Oil field

Oil field Oil field

Fox Creek

Oil field

Gas pools

Gas pools

Gas pools

Gas pools

Gas field

Dolomite reef complex

Dolomite reef complex

Gas pools

Gas pools

Modified after Hitchon et al. (1995)

32-30 140 33 8-3 84 42 33 15 54 37 43 42 93 38 118 76 130 115 130 120 120 97 100

Legend

First Lithium Wells Prospective For Sampling - Well Status

Target

- Athabasca Woodbend - Active
- Berland River Woodbend - Active
- Berland River Woodbend - Listed as Active and Suspended or Abandoned
- Raspberry Lake Woodbend - Active
- Raspberry Lake Woodbend - Listed as Active and Suspended or Abandoned
- Smoke Lake Beaverhill - Active
- Smoke Lake Beaverhill - Listed as Active and Suspended or Abandoned
- Valleyview North - Active
- Valleyview North - Listed as Active and Suspended or Abandoned
- Valleyview South - Active
- Active Well - Possible Alternate for Sampling
- Li Well - Suspended or Abandoned
- AGS DIG2010-0001 Lithium Analyses

AGS_DIG2010_0001_Lithium_Analyes.txt Events

Lithium

- 0.000000 - 9.000000
- 9.000001 - 29.000000
- 29.000001 - 59.000000
- 59.000001 - 99.000000
- 99.000001 - 140.000000

- Target Area For Li Sampling
- Township & Range

Medium Sized Cities

Population 1996

- 50001 - 173383
- 25001 - 50000
- 10001 - 25000
- 2501 - 10000
- 0 - 2500
- Major Cities

Roads

- Major Highway
- Secondary Road
- Major Rivers
- Creeks & Small Rivers
- Water Bodies
- Estimated Li in Beaverhill aquifer in t/km2
- Estimated Li in Woodbend aquifer in t/km2

Beaverhill Lake Elements

Description

- Gas field
- Oil field
- Souris River Outcrop
- Hay River Outcrop

Woodbend Units

Descirption

- Cooking Lake Platform
- Dolomite reef complex
- Dolomite reef complexes
- Evaporite
- Gas pools
- Limestone reef complexes
- Oil pools

FIRST LITHIUM RESOURCES INC.

FOX CREEK PROPERTY

TARGET AREAS FOR WELL SAMPLING FOR Li IN WATER CURRENT WELL STATUS

0 4 8 16 Km

1:325,000

UTM Zone 11, NAD 1927

APEX Geoscience Ltd.

Edmonton, Alberta March, 2010

FIGURE 2

460000 470000 480000 490000 500000 510000 520000

6090000 6080000 6070000 6060000 6050000 6040000 6030000 6020000 6010000 6000000 5990000 5980000 5970000

Dolomite reef complexes

Oil pools

Oil field

Gas pools

Gas field

Dolomite reef complex

Fox Creek

Modified after Hitchon et al. (1995)

Legend

First Lithium Wells Prospective For Sampling - Well Status

Target

Athabasca Woodbend - Active

Berland River Woodbend - Active

Berland River Woodbend - Listed as Active and Suspended or Abandoned

Raspberry Lake Woodbend - Active

Raspberry Lake Woodbend - Listed as Active and Suspended or Abandoned

Smoke Lake Beaverhill - Active

Smoke Lake Beaverhill - Listed as Active and Suspended or Abandoned

Valleyview North - Active

Valleyview North - Listed as Active and Suspended or Abandoned

Valleyview South - Active

Active Well - Possible Alternate for Sampling

Li Well - Suspended or Abandoned

AGS DIG2010-0001 Lithium Analyses

AGS_DIG2010_0001_Lithium_Analyes.txt Events

Lithium

0.000000 - 9.000000

9.000001 - 29.000000

29.000001 - 59.000000

59.000001 - 99.000000

99.000001 - 140.000000

Target Area For Li Sampling

Township & Range

Medium Sized Cities

Population 1996

50001 - 173383

25001 - 50000

10001 - 25000

2501 - 10000

0 - 2500

Major Cities

Roads

Major Highway

Secondary Road

Major Rivers

Creeks & Small Rivers

Water Bodies

Estimated Li in Beaverhill aquifer in t/km2

Estimated Li in Woodbend aquifer in t/km2

Beaverhill Lake Elements

Description

Gas field

Oil field

Souris River Outcrop

Hay River Outcrop

Woodbend Units

Descirption

Cooking Lake Platform

Dolomite reef complex

Dolomite reef complexes

Evaporite

Gas pools

Limestone reef complexes

Oil pools

FIRST LITHIUM RESOURCES INC.

FOX CREEK PROPERTY

TARGET AREAS FOR WELL SAMPLING FOR Li IN WATER CURRENT WELL STATUS

0 4 8 16 Km

1:325,000

UTM Zone 11, NAD 1927

APEX Geoscience Ltd.

Edmonton, Alberta March, 2010

FIGURE 3

460000 470000 480000 490000 500000 510000 520000

6090000 6080000 6070000 6060000 6050000 6040000 6030000 6020000 6010000 6000000 5990000 5980000 5970000

Dolomite reef complexes
Oil pools
Oil field
Oil field
Oil field
Oil field
Oil field
Oil field
Gas pools
Gas pools
Gas pools
Gas pools
Gas pools
Gas field
Dolomite reef complex
Dolomite reef complex
Fox Creek

32 30 140 33 0.3 84 42 33 34 15 37 43 42 93 56 118 76 130 115 120 130 97 120 100

Legend

First Lithium Wells Prospective For Sampling - Well Status
- Other

Current_Operator
- Auriga Enrg Inc
- BP Cda Enrg Comp
- Barrick Enrg Inc
- Cdn Nat Rsrcs Lmtd
- Celtic Expl Ltd
- Chevron Cda Lmtd
- ConocoPhillips Cda (BRC)
- Daylight Enrg Ltd
- Exxonmobil Cda & Rsrcs
- Paramount Rsrcs Ltd
- Talisman Enrg Inc
- Trilogy Enrg Ltd
- AGS DIG2010-0001 Lithium Analyses

AGS_DIG2010_0001_Lithium_Analyes.txt Events
Lithium
- 0.000000 - 9.000000
- 9.000001 - 29.000000
- 29.000001 - 59.000000
- 59.000001 - 99.000000
- 99.000001 - 140.000000

- Target Area For Li Sampling
- Township & Range

Medium Sized Cities
Population 1996
- 50001 - 173383
- 25001 - 50000
- 10001 - 25000
- 2501 - 10000
- 0 - 2500
- Major Cities

Roads
- Major Highway
- Secondary Road
- Major Rivers
- Creeks & Small Rivers
- Water Bodies
- Estimated Li in Beaverhill aquifer in t/km2
- Estimated Li in Woodbend aquifer in t/km2

Beaverhill Lake Elements
Description
- Gas field
- Oil field
- Souris River Outcrop
- Hay River Outcrop

Woodbend Units
Description
- Cooking Lake Platform
- Dolomite reef complex
- Dolomite reef complexes
- Evaporite
- Gas pools
- Limestone reef complexes
- Oil pools

FIRST LITHIUM RESOURCES INC.

FOX CREEK PROPERTY

TARGET AREAS FOR WELL SAMPLING FOR Li IN WATER CURRENT WELL OPERATOR

0 4 8 16 Km

1:325,000
UTM Zone 11, NAD 1927
APEX Geoscience Ltd.

Edmonton, Alberta March, 2010

Modified after Hitchon et al. (1995)

FIGURE 4

TABLE 1. PROSPECTIVE WELLS FOR SAMPLING - ORDERED BY WELL

No	Well_ID_Long	Well_ID_Short	Section	Twp-Range	On 1st Lithium Property	Target	Well_Name	TVD_m	Current_Status	Current_Operator
Active Holes Recommended For Sampling										
1	100/13-11-057-19W5/00	13-11-057-19W5	11-057-19W5	57-19W5	Yes	Berland River Woodbend - Active	DAYLIGHT PINE 13-11-57-19	3167.0	Flowing GAS	Daylight Enrg Ltd
2	100/13-26-058-20W5/00	13-26-058-20W5	26-058-20W5	58-20W5	Yes	Berland River Woodbend - Active	AMOCO ET AL PINE CREEK 13-26-58-20	3198.0	Drilled & Cased	BP Cda Enrg Comp
3	100/07-28-058-20W5/00	07-28-058-20W5	28-058-20W5	58-20W5	Yes	Berland River Woodbend - Active	CANHUNTER PINE 7-28-58-20	3163.0	Pumping Gas	ConocoPhillips Cda (BRC)
4	100/16-28-058-20W5/00	16-28-058-20W5	28-058-20W5	58-20W5	Yes	Berland River Woodbend - Active	AMOCO PINENW 16-28-58-20	3233.9	Flowing GAS	BP Cda Enrg Comp
5	100/09-33-058-20W5/00	09-33-058-20W5	33-058-20W5	58-20W5	Yes	Berland River Woodbend - Active	AMOCO PINE NORTHWEST 9-33-58-20	3420.0	Drilled & Cased	BP Cda Enrg Comp
6	100/09-22-059-17W5/00	09-22-059-17W5	22-059-17W5	59-17W5	Yes	Athabasca Woodbend - Active	AMOCO ET AL KAYBOBS 9-22-59-17	3001.0	Pumping Gas	Talisman Enrg Inc
7	100/11-28-059-17W5/00	11-28-059-17W5	28-059-17W5	59-17W5	Yes	Athabasca Woodbend - Active	TRILOGY KAYBOB S. 11-28-59-17	3285.7	Pumping Gas	Trilogy Enrg Ltd
8	100/07-34-059-17W5/00	07-34-059-17W5	34-059-17W5	59-17W5	Yes	Athabasca Woodbend - Active	AMOCO ET AL KAYBOB 7-34-59-17	2941.0	Pumping Gas	Talisman Enrg Inc
9	100/15-18-059-20W5/00	15-18-059-20W5	18-059-20W5	59-20W5	Yes	Berland River Woodbend - Active	KFOCC ET AL FIR 15-18-59-20	3384.0	Drilled & Cased	Enermark Inc
10	100/06-19-059-20W5/00	06-19-059-20W5	19-059-20W5	59-20W5	Yes	Berland River Woodbend - Active	DAYLIGHT FIR 6-19-59-20	3537.0	Flowing GAS	Daylight Enrg Ltd
11	100/11-29-059-20W5/00	11-29-059-20W5	29-059-20W5	59-20W5	Yes	Berland River Woodbend - Active	CNRL ET AL FIR 11-29-59-20	3648.5	Flowing GAS	Trilogy Enrg Ltd
12	100/06-24-059-21W5/00	06-24-059-21W5	24-059-21W5	59-21W5	Yes	Berland River Woodbend - Active	CANHUNTER ET AL FIR 6-24-59-21	3340.0	Flowing GAS	ConocoPhillips Cda (BRC)
13	100/16-25-059-21W5/00	16-25-059-21W5	25-059-21W5	59-21W5	Yes	Berland River Woodbend - Active	DAYLIGHT FIR 16-25-59-21	3311.3	Flowing GAS	Daylight Enrg Ltd
14	100/07-36-059-21W5/02	07-36-059-21W5	36-059-21W5	59-21W5	Yes	Berland River Woodbend - Active	DAYLIGHT ET AL HZ FIR 7-36-59-21	3322.5	Flowing GAS	Daylight Enrg Ltd
15	100/07-16-060-17W5/02	07-16-060-17W5	16-060-17W5	60-17W5	Yes	Athabasca Woodbend - Active	NUMAC ET AL KAYBOBS 7-16-60-17		Flowing GAS	Devon Cda Corp
16	100/14-24-060-19W5/00	14-24-060-19W5	24-060-19W5	60-19W5	Yes	Smoke Lake Beaverhill - Active	AMOCO ET AL KAYBOBS 14-24-60-19		Flowing GAS	Celtic Expl Ltd
17	100/02-25-060-19W5/00	02-25-060-19W5	25-060-19W5	60-19W5	Yes	Smoke Lake Beaverhill - Active	AMOCO KAYBOBS 2-25-60-19	3426.0	Flowing GAS	Celtic Expl Ltd
18	100/05-25-060-19W5/00	05-25-060-19W5	25-060-19W5	60-19W5	Yes	Smoke Lake Beaverhill - Active	AMOCO KAYBOBS 5-25-60-19	3403.1	Flowing GAS	Celtic Expl Ltd
19	100/09-34-060-19W5/00	09-34-060-19W5	34-060-19W5	60-19W5	Yes	Smoke Lake Beaverhill - Active	AMOCO KAYBOBS 9-34BL-60-19	3354.3	Flowing GAS	Celtic Expl Ltd
20	100/01-35-060-19W5/00	01-35-060-19W5	35-060-19W5	60-19W5	Yes	Smoke Lake Beaverhill - Active	AMOCO KAYBOBS 1-35BL-60-19	3358.9	Flowing GAS	Celtic Expl Ltd
21	100/10-35-060-19W5/00	10-35-060-19W5	35-060-19W5	60-19W5	Yes	Smoke Lake Beaverhill - Active	AMOCO BHL UNIT 2 KAYBOBS 10-35-60-19	3332.0	Flowing GAS	Celtic Expl Ltd
22	100/10-03-060-21W5/00	10-03-060-21W5	03-060-21W5	60-21W5	Yes	Berland River Woodbend - Active	CANHUNTER FIR 10-3-60-21	3214.0	Pumping Gas	ConocoPhillips Cda (BRC)
23	100/06-19-060-21W5/00	06-19-060-21W5	19-060-21W5	60-21W5	Yes	Berland River Woodbend - Active	AMOCO ET AL BIGSTONE 6-19-60-21	3554.3	Pumping Gas	BP Cda Enrg Comp
24	100/10-20-060-21W5/00	10-20-060-21W5	20-060-21W5	60-21W5	Yes	Berland River Woodbend - Active	AMOCO ET AL BIGSTONE 10-20-60-21	3741.4	Flowing GAS	BP Cda Enrg Comp
25	100/09-29-060-21W5/00	09-29-060-21W5	29-060-21W5	60-21W5	Yes	Berland River Woodbend - Active	AURIGA ENERGY FIR 9-29-60-21	3462.0	Flowing GAS	Auriga Enrg Inc
26	100/16-31-060-21W5/00	16-31-060-21W5	31-060-21W5	60-21W5	Yes	Berland River Woodbend - Active	AURIGA ENERGY FIR 16-31-60-21	3441.9	Flowing GAS	Auriga Enrg Inc
27	100/03-24-061-18W5/00	03-24-061-18W5	24-061-18W5	61-18W5	Yes	Raspberry Lake Woodbend - Active	TRILOGY FOXCK 3-24-61-18		Drilled & Cased	Trilogy Enrg Ltd
28	100/14-24-061-18W5/02	14-24-061-18W5	24-061-18W5	61-18W5	Yes	Raspberry Lake Woodbend - Active	TRILOGY FOXCK 14-24-61-18		Pumping Gas	Trilogy Enrg Ltd
29	100/12-35-061-18W5/00	12-35-061-18W5	35-061-18W5	61-18W5	Yes	Raspberry Lake Woodbend - Active	TRILOGY FOXCK 12-35-61-18	3102.9	Flowing GAS	Trilogy Enrg Ltd
30	100/06-02-061-19W5/00	06-02-061-19W5	02-061-19W5	61-19W5	Yes	Smoke Lake Beaverhill - Active	AURIGA ENERGY KAYBOBS 6-2-61-19	3329.3	Flowing GAS	Auriga Enrg Inc
31	100/08-03-061-19W5/00	08-03-061-19W5	03-061-19W5	61-19W5	Yes	Smoke Lake Beaverhill - Active	AURIGA ENERGY KAYBOBS 8-3-61-19		Flowing GAS	Auriga Enrg Inc
32	100/04-10-061-19W5/00	04-10-061-19W5	10-061-19W5	61-19W5	Yes	Smoke Lake Beaverhill - Active	AURIGA ENERGY KAYBOBS 4-10-61-19	3311.0	Flowing GAS	Auriga Enrg Inc
33	100/10-10-061-19W5/00	10-10-061-19W5	10-061-19W5	61-19W5	Yes	Smoke Lake Beaverhill - Active	AURIGA ENERGY KAYBOBS 10-10-61-19	3310.0	Flowing GAS	Auriga Enrg Inc
34	100/03-16-061-19W5/00	03-16-061-19W5	16-061-19W5	61-19W5	Yes	Smoke Lake Beaverhill - Active	AURIGA ENERGY KAYBOBS 3-16-61-19	3311.7	Flowing GAS	Auriga Enrg Inc
35	100/14-16-061-19W5/00	14-16-061-19W5	16-061-19W5	61-19W5	Yes	Smoke Lake Beaverhill - Active	AURIGA ENERGY KAYBOBS 14-16-61-19	3286.7	Flowing GAS	Auriga Enrg Inc
36	100/07-20-061-19W5/00	07-20-061-19W5	20-061-19W5	61-19W5	Yes	Smoke Lake Beaverhill - Active	AURIGA ENERGY KAYBOBS 7-20-61-19		Flowing GAS	Auriga Enrg Inc
37	100/01-29-061-19W5/00	01-29-061-19W5	29-061-19W5	61-19W5	Yes	Smoke Lake Beaverhill - Active	AURIGA ENERGY KAYBOBS 1-29-61-19	3243.1	Flowing GAS	Auriga Enrg Inc
38	100/10-29-061-19W5/00	10-29-061-19W5	29-061-19W5	61-19W5	Yes	Smoke Lake Beaverhill - Active	AURIGA ENERGY KAYBOBS 10-29-61-19	3285.7	Flowing GAS	Auriga Enrg Inc
39	100/16-30-061-19W5/00	16-30-061-19W5	30-061-19W5	61-19W5	Yes	Smoke Lake Beaverhill - Active	AURIGA ENERGY KAYBOBS 16-30-61-19	3275.0	Flowing GAS	Auriga Enrg Inc
40	102/16-31-061-19W5/00	16-31-061-19W5	31-061-19W5	61-19W5	Yes	Smoke Lake Beaverhill - Active	AURIGA ENERGY 02 KAYBOBS 16-31-61-19	3276.4	Flowing GAS	Auriga Enrg Inc
41	100/15-01-061-22W5/02	15-01-061-22W5	01-061-22W5	61-22W5	Yes	Berland River Woodbend - Active	AURIGA ENERGY BIGSTONE 16-1-61-22	3416.0	Flowing GAS	Auriga Enrg Inc
42	100/06-01-062-18W5/00	06-01-062-18W5	01-062-18W5	62-18W5	Yes	Raspberry Lake Woodbend - Active	CELTIC FOXCK 6-1-62-18	3155.0	Pumping OIL	Celtic Expl Ltd
43	102/11-12-062-18W5/00	11-12-062-18W5	12-062-18W5	62-18W5	Yes	Raspberry Lake Woodbend - Active	CELTIC FOXCK 11-12-62-18	3129.1	Flowing OIL	Celtic Expl Ltd
44	100/06-13-062-18W5/02	06-13-062-18W5	13-062-18W5	62-18W5	Yes	Raspberry Lake Woodbend - Active	CELTIC HZ FOXCK 6-13-62-18	3059.8	Pumping OIL	Celtic Expl Ltd
45	100/13-13-062-18W5/00	13-13-062-18W5	13-062-18W5	62-18W5	Yes	Raspberry Lake Woodbend - Active	CELTIC FOXCK 13-13-62-18	3072.1	Pumping OIL	Celtic Expl Ltd
46	100/15-23-062-18W5/03	15-23-062-18W5	23-062-18W5	62-18W5	Yes	Raspberry Lake Woodbend - Active	CELTIC FOXCK 15-23-62-18	3067.9	Pumping OIL	Celtic Expl Ltd
47	100/06-25-062-18W5/00	06-25-062-18W5	25-062-18W5	62-18W5	Yes	Raspberry Lake Woodbend - Active	CELTIC FOXCK 6-25-62-18		Flowing OIL	Celtic Expl Ltd
48	100/05-06-062-19W5/00	05-06-062-19W5	06-062-19W5	62-19W5	Yes	Smoke Lake Beaverhill - Active	AURIGA ENERGY KAYBOBS 5-6-62-19	3261.0	Flowing GAS	Auriga Enrg Inc
49	100/16-01-062-20W5/00	16-01-062-20W5	01-062-20W5	62-20W5	Yes	Smoke Lake Beaverhill - Active	AURIGA ENERGY KAYBOBS 16-1-62-20	3267.5	Flowing GAS	Auriga Enrg Inc
50	100/12-13-062-20W5/00	12-13-062-20W5	13-062-20W5	62-20W5	Yes	Smoke Lake Beaverhill - Active	AURIGA ENERGY KAYBOBS 12-13-62-20	3259.8	Flowing GAS	Auriga Enrg Inc
51	102/04-13-062-20W5/00	04-13-062-20W5	13-062-20W5	62-20W5	Yes	Smoke Lake Beaverhill - Active	AURIGA ENERGY KAYBOBS 4-13-62-20	3275.0	Flowing GAS	Auriga Enrg Inc
52	100/06-23-062-20W5/00	06-23-062-20W5	23-062-20W5	62-20W5	Yes	Smoke Lake Beaverhill - Active	AURIGA ENERGY KAYBOBS 6-23-62-20	3248.3	Flowing GAS	Auriga Enrg Inc
53	100/04-24-062-20W5/00	04-24-062-20W5	24-062-20W5	62-20W5	Yes	Smoke Lake Beaverhill - Active	AMOCO KAYBOBS 4-24-62-20		Pumping Gas	BP Cda Enrg Comp
54	102/15-08-067-22W5/00	15-08-067-22W5	08-067-22W5	67-22W5	Yes	Valleyview South - Active	PARA ET AL LSMOKY 15-8-67-22	2449.1	Pumping OIL	Paramount Rsrcs Ltd
55	100/06-16-067-22W5/00	06-16-067-22W5	16-067-22W5	67-22W5	Yes	Valleyview South - Active	PARA ET AL LSMOKY 6-16-67-22	2875.1	Flowing GAS	Paramount Rsrcs Ltd
56	100/11-21-067-22W5/00	11-21-067-22W5	21-067-22W5	67-22W5	Yes	Valleyview South - Active	PARA ET AL LSMOKY 11-21-67-22	2800.0	Drilled & Cased	Paramount Rsrcs Ltd
57	100/06-26-067-22W5/00	06-26-067-22W5	26-067-22W5	67-22W5	Yes	Valleyview South - Active	PARA ET AL LSMOKY 6-26-67-22	2588.5	Flowing GAS	Paramount Rsrcs Ltd
58	100/06-28-067-22W5/00	06-28-067-22W5	28-067-22W5	67-22W5	Yes	Valleyview South - Active	PARA ET AL LSMOKY 6-28-67-22	2338.5	Flowing GAS	Paramount Rsrcs Ltd
59	100/11-30-068-21W5/00	11-30-068-21W5	30-068-21W5	68-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 11-30-68-21	2599.0	Pumping OIL	Barrick Enrg Inc
60	100/15-30-068-21W5/00	15-30-068-21W5	30-068-21W5	68-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 15-30-68-21	2609.1	Pumping OIL	Barrick Enrg Inc
61	100/02-31-068-21W5/00	02-31-068-21W5	31-068-21W5	68-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 2-31-68-21	2575.0	Pumping OIL	Barrick Enrg Inc
62	100/08-31-068-21W5/00	08-31-068-21W5	31-068-21W5	68-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 8-31-68-21	2523.0	Pumping OIL	Barrick Enrg Inc
63	100/13-31-068-21W5/00	13-31-068-21W5	31-068-21W5	68-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 13-31-68-21		Pumping OIL	Barrick Enrg Inc
64	100/15-31-068-21W5/00	15-31-068-21W5	31-068-21W5	68-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 15-31-68-21	2616.1	Pumping OIL	Barrick Enrg Inc
65	100/16-31-068-21W5/00	16-31-068-21W5	31-068-21W5	68-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 16-31-68-21	2605.0	Pumping OIL	Barrick Enrg Inc
66	100/13-32-068-21W5/00	13-32-068-21W5	32-068-21W5	68-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 13-32-68-21	2591.7	Pumping OIL	Barrick Enrg Inc
67	1W0/12-32-068-21W5/00	12-32-068-21W5	32-068-21W5	68-21W5	Yes	Valleyview North - Active	CHARIOT 102 STURLS 12-32-68-21	2535.2	Pumping OIL	Barrick Enrg Inc
68	100/09-24-068-22W5/00	09-24-068-22W5	24-068-22W5	68-22W5	Yes	Valleyview North - Active	CHARIOT STURLS 9-24-68-22		Pumping OIL	Barrick Enrg Inc
69	100/01-25-068-22W5/00	01-25-068-22W5	25-068-22W5	68-22W5	Yes	Valleyview North - Active	CHARIOT STURLS 1-25-68-22	2578.9	Pumping OIL	Barrick Enrg Inc
70	100/05-25-068-22W5/00	05-25-068-22W5	25-068-22W5	68-22W5	Yes	Valleyview North - Active	CHARIOT STURLS 5-25-68-22	2614.9	Drilled & Cased	Barrick Enrg Inc
71	100/13-27-068-22W5/00	13-27-068-22W5	27-068-22W5	68-22W5	Yes	Valleyview North - Active	CHARIOT STURLS 13-27-68-22	2632.6	Pumping OIL	Barrick Enrg Inc
72	100/08-34-068-22W5/02	08-34-068-22W5	34-068-22W5	68-22W5	Yes	Valleyview North - Active	CADENCE ACQ STURLKS 0-0-0-0	2596.8	Flowing OIL	Barrick Enrg Inc
73	100/14-34-068-22W5/00	14-34-068-22W5	34-068-22W5	68-22W5	Yes	Valleyview North - Active	CADENCE ACQ STURLKS 14-34-68-22	2637.0	Pumping OIL	Barrick Enrg Inc
74	100/08-36-068-22W5/00	08-36-068-22W5	36-068-22W5	68-22W5	Yes	Valleyview North - Active	KERECO STURLKS 8-36-68-22		Pumping OIL	Barrick Enrg Inc
75	100/11-36-068-22W5/00	11-36-068-22W5	36-068-22W5	68-22W5	Yes	Valleyview North - Active	CHARIOT STURLS 11-36-68-22	2571.3	Pumping OIL	Barrick Enrg Inc

TABLE 1. PROSPECTIVE WELLS FOR SAMPLING - ORDERED BY WELL

No	Well_ID_Long	Well_ID_Short	Section	Twp-Range	On 1st Lithium Property	Target	Well_Name	TVD_m	Current_Status	Current_Operator
76	102/06-36-068-22W5/00	06-36-068-22W5	36-068-22W5	68-22W5	Yes	Valleyview North - Active	KERECO 102 STURLKS 6-36-68-22	2618.3	Pumping OIL	Barrick Enrg Inc
77	100/05-04-069-21W5/00	05-04-069-21W5	04-069-21W5	69-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 5-4-69-21	2621.3	Pumping OIL	Barrick Enrg Inc
78	100/11-04-069-21W5/00	11-04-069-21W5	04-069-21W5	69-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 11-4-69-21	2470.0	Pumping OIL	Barrick Enrg Inc
79	100/05-05-069-21W5/00	05-05-069-21W5	05-069-21W5	69-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 5-5-69-21		Pumping OIL	Barrick Enrg Inc
80	102/06-05-069-21W5/00	06-05-069-21W5	05-069-21W5	69-21W5	Yes	Valleyview North - Active	KERECO 102 STURLS 6-5-69-21	2630.1	Pumping OIL	Barrick Enrg Inc
81	103/03-05-069-21W5/00	03-05-069-21W5	05-069-21W5	69-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 3-5-69-21	2501.5	Pumping OIL	Barrick Enrg Inc
82	103/07-05-069-21W5/00	07-05-069-21W5	05-069-21W5	69-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 7-5-69-21	2607.3	Pumping OIL	Barrick Enrg Inc
83	100/01-06-069-21W5/00	01-06-069-21W5	06-069-21W5	69-21W5	Yes	Valleyview North - Active	PARA STURLS 1-6-69-21	2608.5	Pumping OIL	Barrick Enrg Inc
84	100/03-06-069-21W5/00	03-06-069-21W5	06-069-21W5	69-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 3-6-69-21	2565.8	Pumping OIL	Barrick Enrg Inc
85	100/09-06-069-21W5/00	09-06-069-21W5	06-069-21W5	69-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 9-6-69-21	2586.8	Pumping OIL	Barrick Enrg Inc
86	100/10-06-069-21W5/00	10-06-069-21W5	06-069-21W5	69-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 10-6-69-21	2687.0	Pumping OIL	Barrick Enrg Inc
87	100/11-06-069-21W5/00	11-06-069-21W5	06-069-21W5	69-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 11-6-69-21	2595.4	Pumping OIL	Barrick Enrg Inc
88	100/13-06-069-21W5/00	13-06-069-21W5	06-069-21W5	69-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 13-6-69-21	2567.3	Flowing OIL	Barrick Enrg Inc
89	100/14-06-069-21W5/00	14-06-069-21W5	06-069-21W5	69-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 14-6-69-21	2532.1	Flowing OIL	Barrick Enrg Inc
90	100/15-06-069-21W5/00	15-06-069-21W5	06-069-21W5	69-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 15-6-69-21		Pumping OIL	Barrick Enrg Inc
91	100/05-07-069-21W5/00	05-07-069-21W5	07-069-21W5	69-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 5-7-69-21	2610.6	Pumping OIL	Barrick Enrg Inc
92	103/04-07-069-21W5/00	04-07-069-21W5	07-069-21W5	69-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 4-7-69-21	2523.0	Drilled & Cased	Barrick Enrg Inc
93	100/08-08-069-21W5/00	08-08-069-21W5	08-069-21W5	69-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 8-8-69-21	2685.0	Pumping OIL	Barrick Enrg Inc
94	102/05-09-069-21W5/00	05-09-069-21W5	09-069-21W5	69-21W5	Yes	Valleyview North - Active	PARA STURLS 5-9-69-21	2659.0	Pumping OIL	Barrick Enrg Inc
95	100/04-10-069-21W5/00	04-10-069-21W5	10-069-21W5	69-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 4-10-69-21	2791.9	Pumping OIL	Barrick Enrg Inc
96	100/05-10-069-21W5/00	05-10-069-21W5	10-069-21W5	69-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 5-10-69-21	2650.8	Pumping OIL	Barrick Enrg Inc
97	100/12-11-069-21W5/00	12-11-069-21W5	11-069-21W5	69-21W5	Yes	Valleyview North - Active	KERECO STURLKS 12-11-69-21	2825.0	Pumping OIL	Barrick Enrg Inc
98	102/06-11-069-21W5/02	06-11-069-21W5	11-069-21W5	69-21W5	Yes	Valleyview North - Active	ANKERTON HOLD STURLS 4-11-69-21	2756.7	Pumping OIL	Barrick Enrg Inc
99	102/10-11-069-21W5/00	10-11-069-21W5	11-069-21W5	69-21W5	Yes	Valleyview North - Active	ANKERTON HOLD STURLS 10-11-69-21	2915.0	Drilled & Cased	Barrick Enrg Inc
100	100/01-01-069-22W5/00	01-01-069-22W5	01-069-22W5	69-22W5	Yes	Valleyview North - Active	CHARIOT STURLS 1-1-69-22		Pumping OIL	Barrick Enrg Inc
101	100/08-01-069-22W5/00	08-01-069-22W5	01-069-22W5	69-22W5	Yes	Valleyview North - Active	CHARIOT STURLS 8-1-69-22	2592.0	Flowing OIL	Barrick Enrg Inc
102	100/10-01-069-22W5/02	10-01-069-22W5	01-069-22W5	69-22W5	Yes	Valleyview North - Active	CHARIOT HZ STURLS 10-1-69-22	2563.8	Pumping OIL	Barrick Enrg Inc
103	100/05-02-069-22W5/00	05-02-069-22W5	02-069-22W5	69-22W5	Yes	Valleyview North - Active	CADENCE ACQ STURLKS 5-2-69-22	2599.9	Pumping OIL	Barrick Enrg Inc
104	100/03-04-069-22W5/00	03-04-069-22W5	04-069-22W5	69-22W5	Yes	Valleyview North - Active	CADENCE ACQ STURLKS 3-4-69-22	2621.0	Pumping OIL	Barrick Enrg Inc
105	100/16-04-069-22W5/00	16-04-069-22W5	04-069-22W5	69-22W5	Yes	Valleyview North - Active	CADENCE ACQ STURLKS 16-4-69-22	2629.1	Pumping OIL	Barrick Enrg Inc
106	100/13-09-069-22W5/00	13-09-069-22W5	09-069-22W5	69-22W5	Yes	Valleyview North - Active	CADENCE ACQ STURLKS 13-9-69-22	2645.9	Pumping OIL	Barrick Enrg Inc
107	102/16-10-069-22W5/00	16-10-069-22W5	10-069-22W5	69-22W5	Yes	Valleyview North - Active	CADENCE ACQ STURLKS 16-10-69-22	2558.3	Pumping OIL	Barrick Enrg Inc
108	100/07-11-069-22W5/00	07-11-069-22W5	11-069-22W5	69-22W5	Yes	Valleyview North - Active	CADENCE ACQ STURLKS 7-11-69-22	2582.3	Pumping OIL	Barrick Enrg Inc
109	100/08-11-069-22W5/00	08-11-069-22W5	11-069-22W5	69-22W5	Yes	Valleyview North - Active	DAYLIGHT ET AL HZ STURLS 8-11-69-22	2530.7	Pumping OIL	Barrick Enrg Inc
110	102/10-11-069-22W5/02	10-11-069-22W5	11-069-22W5	69-22W5	Yes	Valleyview North - Active	DAYLIGHT 102 HZ STURLS 6-11-69-22	2541.1	Drilled & Cased	Barrick Enrg Inc
111	100/03-12-069-22W5/00	03-12-069-22W5	12-069-22W5	69-22W5	Yes	Valleyview North - Active	CADENCE ACQ STURLKS 3-12-69-22	2574.6	Pumping OIL	Barrick Enrg Inc
112	100/04-12-069-22W5/02	04-12-069-22W5	12-069-22W5	69-22W5	Yes	Valleyview North - Active	CADENCE ACQ STURLKS 13-1-69-22	2555.9	Pumping OIL	Barrick Enrg Inc
113	102/07-12-069-22W5/00	07-12-069-22W5	12-069-22W5	69-22W5	Yes	Valleyview North - Active	CHARIOT STURLS 7-12-69-22	2594.5	Pumping OIL	Barrick Enrg Inc
114	104/01-12-069-22W5/00	01-12-069-22W5	12-069-22W5	69-22W5	Yes	Valleyview North - Active	CHARIOT STURLS 1-12-69-22	2549.3	Pumping OIL	Barrick Enrg Inc
115	100/05-15-069-22W5/00	05-15-069-22W5	15-069-22W5	69-22W5	Yes	Valleyview North - Active	CADENCE ACQ STURLKS 5-15-69-22	2607.9	Pumping OIL	Barrick Enrg Inc
116	102/09-16-069-22W5/04	09-16-069-22W5	16-069-22W5	69-22W5	Yes	Valleyview North - Active	KINWEST ET AL STURLS 9-16-69-22	2580.4	Drilled & Cased	Penn West Petrl Ltd
117	100/07-19-069-22W5/00	07-19-069-22W5	19-069-22W5	69-22W5	Yes	Valleyview North - Active	CADENCE ACQ STURLKS 7-19-69-22	2646.9	Pumping OIL	Barrick Enrg Inc
118	100/12-19-069-22W5/03	12-19-069-22W5	19-069-22W5	69-22W5	Yes	Valleyview North - Active	CADENCE ACQ STURLKS 0-0-0-0	2653.3	Flowing OIL	Barrick Enrg Inc
119	100/02-20-069-22W5/00	02-20-069-22W5	20-069-22W5	69-22W5	Yes	Valleyview North - Active	CADENCE ACQ STURLKS 2-20-69-22	2608.8	Pumping OIL	Barrick Enrg Inc
120	100/04-20-069-22W5/03	04-20-069-22W5	20-069-22W5	69-22W5	Yes	Valleyview North - Active	CADENCE ACQ STURLKS 3-20-69-22	2621.1	Pumping OIL	Barrick Enrg Inc
121	100/05-20-069-22W5/00	05-20-069-22W5	20-069-22W5	69-22W5	Yes	Valleyview North - Active	CADENCE ACQ STURLKS 5-20-69-22	2647.2	Pumping OIL	Barrick Enrg Inc
122	102/01-20-069-22W5/02	01-20-069-22W5	20-069-22W5	69-22W5	Yes	Valleyview North - Active	CADENCE ACQ STURLKS 16-17-69-22	2598.7	Pumping OIL	Barrick Enrg Inc
Possible Active Holes For Sampling - Check Status as Listed as Active and either Suspended or Abandonec										
123	100/06-35-057-19W5/02	06-35-057-19W5	35-057-19W5	57-19W5	Yes	Berland River Woodbend - Listed as Active and Suspended or Abandoned	AMOCO PINE 6-35-57-19	3365.3	Flowing GAS	BP Cda Enrg Comp
124	100/10-04-057-19W5/02	10-04-057-19W5	04-057-19W5	57-19W5	Yes	Berland River Woodbend - Listed as Active and Suspended or Abandoned	AMOCO PINE 10-4-57-19	3299.5	Pumping Gas	BP Cda Enrg Comp
125	100/10-10-057-19W5/02	10-10-057-19W5	10-057-19W5	57-19W5	Yes	Berland River Woodbend - Listed as Active and Suspended or Abandoned	AMOCO PINE 10-10-57-19	3550.9	Flowing GAS	BP Cda Enrg Comp
126	100/11-26-057-19W5/02	11-26-057-19W5	26-057-19W5	57-19W5	Yes	Berland River Woodbend - Listed as Active and Suspended or Abandoned	AMOCO PINE 11-26-57-19	3395.2	Flowing GAS	BP Cda Enrg Comp
127	100/09-03-058-19W5/02	09-03-058-19W5	03-058-19W5	58-19W5	Yes	Berland River Woodbend - Listed as Active and Suspended or Abandoned	AMOCO PINE CREEK 9-3-58-19	3460.8	Flowing GAS	BP Cda Enrg Comp
128	100/16-02-058-19W5/02	16-02-058-19W5	02-058-19W5	58-19W5	Yes	Berland River Woodbend - Listed as Active and Suspended or Abandoned	DAYLIGHT PINE 16-2-58-19	3585.0	Drilled & Cased	Daylight Enrg Ltd
129	100/11-15-058-20W5/02	11-15-058-20W5	15-058-20W5	58-20W5	Yes	Berland River Woodbend - Listed as Active and Suspended or Abandoned	AMOCO PINE NW 11-15-58-20	3302.5	Flowing GAS	BP Cda Enrg Comp
130	100/12-26-058-20W5/02	12-26-058-20W5	26-058-20W5	58-20W5	Yes	Berland River Woodbend - Listed as Active and Suspended or Abandoned	AMOCO PINE NW 12-26-58-20	3304.9	Drilled & Cased	BP Cda Enrg Comp
131	100/13-21-058-20W5/02	13-21-058-20W5	21-058-20W5	58-20W5	Yes	Berland River Woodbend - Listed as Active and Suspended or Abandoned	CANHUNTER PINE CREEK 13-21-58-20	3192.0	Pumping Gas	ConocoPhillips Cda (BRC)
132	100/16-27-058-20W5/02	16-27-058-20W5	27-058-20W5	58-20W5	Yes	Berland River Woodbend - Listed as Active and Suspended or Abandoned	DAYLIGHT PINE 16-27-58-20	3307.1	Flowing GAS	Daylight Enrg Ltd
133	100/07-07-059-20W5/02	07-07-059-20W5	07-059-20W5	59-20W5	Yes	Berland River Woodbend - Listed as Active and Suspended or Abandoned	FINA ET AL MARSHD 7-7-59-20	3493.0	Pumping Gas	BP Cda Enrg Comp
134	100/07-13-060-19W5/03	07-13-060-19W5	13-060-19W5	60-19W5	Yes	Smoke Lake Beaverhill - Listed as Active and Suspended or Abandoned	AMOCO KAYBOBS 7-13BL-60-19	3336.0	Flowing GAS	Orleans Enrg Ltd
135	100/07-25-060-19W5/02	07-25-060-19W5	25-060-19W5	60-19W5	Yes	Smoke Lake Beaverhill - Listed as Active and Suspended or Abandoned	BP CDN-SUP KAYBOBS 7-25-60-19		Pumping Gas	Talisman Enrg Inc
136	100/10-26-060-19W5/02	10-26-060-19W5	26-060-19W5	60-19W5	Yes	Smoke Lake Beaverhill - Listed as Active and Suspended or Abandoned	BP KAYBOBS 10-26-60-19	3407.9	Flowing GAS	Celtic Expl Ltd
137	100/11-02-060-21W5/03	11-02-060-21W5	02-060-21W5	60-21W5	Yes	Berland River Woodbend - Listed as Active and Suspended or Abandoned	DAYLIGHT FIR 11-2-60-21	3297.7	Flowing GAS	Daylight Enrg Ltd
138	100/15-29-060-21W5/02	15-29-060-21W5	29-060-21W5	60-21W5	Yes	Berland River Woodbend - Listed as Active and Suspended or Abandoned	AMOCO ET AL BIGSTONE 15-29-60-21	3545.0	Flowing GAS	BP Cda Enrg Comp
139	100/07-13-061-18W5/02	07-13-061-18W5	13-061-18W5	61-18W5	Yes	Raspberry Lake Woodbend - Listed as Active and Suspended or Abandoned	TRILOGY FOXCK 7-13-61-18	3162.0	Flowing GAS	Trilogy Enrg Ltd
140	100/10-13-061-18W5/02	10-13-061-18W5	13-061-18W5	61-18W5	Yes	Raspberry Lake Woodbend - Listed as Active and Suspended or Abandoned	CELTIC FOXCK 10-13-61-18	3111.6	Drilled & Cased	Celtic Expl Ltd
141	100/09-19-061-19W5/03	09-19-061-19W5	19-061-19W5	61-19W5	Yes	Smoke Lake Beaverhill - Listed as Active and Suspended or Abandoned	AMOCO KAYBOBS 9-19-61-19	3309.2	Drilled & Cased	BP Cda Enrg Comp
142	100/14-29-061-19W5/02	14-29-061-19W5	29-061-19W5	61-19W5	Yes	Smoke Lake Beaverhill - Listed as Active and Suspended or Abandoned	AURIGA ENERGY KAYBOBS 14-29-61-19	3256.9	Flowing GAS	Auriga Enrg Inc
143	100/16-20-061-19W5/02	16-20-061-19W5	20-061-19W5	61-19W5	Yes	Smoke Lake Beaverhill - Listed as Active and Suspended or Abandoned	AURIGA ENERGY RE KAYBOBS 16-20-61-19	3263.6	Flowing GAS	Auriga Enrg Inc
144	100/05-08-061-22W5/02	05-08-061-22W5	08-061-22W5	61-22W5	Yes	Berland River Woodbend - Listed as Active and Suspended or Abandoned	PAN AM B-1 GRIZZLY 5-8-61-22	3459.7	Drilled & Cased	BP Cda Enrg Comp
145	102/11-09-061-22W5/03	11-09-061-22W5	09-061-22W5	61-22W5	Yes	Berland River Woodbend - Listed as Active and Suspended or Abandoned	TALISMAN BIGSTONE 11-9-61-22	3300.0	Flowing GAS	Talisman Enrg Inc
146	100/07-14-062-18W5/02	07-14-062-18W5	14-062-18W5	62-18W5	Yes	Raspberry Lake Woodbend - Listed as Active and Suspended or Abandoned	TRILOGY ET AL FOX CREEK 7-14-62-18	3107.7	Drilled & Cased	Trilogy Enrg Ltd
147	100/11-14-062-18W5/02	11-14-062-18W5	14-062-18W5	62-18W5	Yes	Raspberry Lake Woodbend - Listed as Active and Suspended or Abandoned	TRILOGY FOXCK 11-14-62-18	3175.0	Flowing GAS	Trilogy Enrg Ltd
148	100/10-28-062-20W5/02	10-28-062-20W5	28-062-20W5	62-20W5	Yes	Smoke Lake Beaverhill - Listed as Active and Suspended or Abandoned	AMOCO KAYBOBS 10-28CM-62-20	3237.0	Pumping Gas	BP Cda Enrg Comp
149	100/14-23-062-20W5/02	14-23-062-20W5	23-062-20W5	62-20W5	Yes	Smoke Lake Beaverhill - Listed as Active and Suspended or Abandoned	HUSKY KAYBOBS 14-23-62-20	3201.6	Flowing GAS	Husky Oil Oprtns Ltd
150	102/09-22-062-20W5/02	09-22-062-20W5	22-062-20W5	62-20W5	Yes	Smoke Lake Beaverhill - Listed as Active and Suspended or Abandoned	SECURE KAYBOBS 9-22-62-20	2868.0	Drilled & Cased	Secure Enrg Srvcs Inc

TABLE 1. PROSPECTIVE WELLS FOR SAMPLING - ORDERED BY WELL

No	Well_ID_Long	Well_ID_Short	Section	Twp-Range	On 1st Lithium Property	Target	Well_Name	TVD_m	Current_Status	Current_Operator
151	100/01-31-068-21W5/02	01-31-068-21W5	31-068-21W5	68-21W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CHARIOT STURLS 1-31-68-21	2589.6	Flowing OIL	Barrick Enrg Inc
152	100/09-31-068-21W5/02	09-31-068-21W5	31-068-21W5	68-21W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CHARIOT STURLS 9-31-68-21	2587.8	Drilled & Cased	Barrick Enrg Inc
153	100/14-31-068-21W5/02	14-31-068-21W5	31-068-21W5	68-21W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CHARIOT STURLS 14-31-68-21		Flowing GAS	Barrick Enrg Inc
154	100/02-25-068-22W5/03	02-25-068-22W5	25-068-22W5	68-22W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CHARIOT STURLS 2-25-68-22	2905.6	Flowing GAS	Barrick Enrg Inc
155	100/03-25-068-22W5/03	03-25-068-22W5	25-068-22W5	68-22W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CHARIOT STURLS 3-25-68-22	2600.9	Flowing OIL	Barrick Enrg Inc
156	100/09-23-068-22W5/02	09-23-068-22W5	23-068-22W5	68-22W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CHARIOT STURLS 9-23-68-22	2613.4	Pumping OIL	Barrick Enrg Inc
157	100/11-25-068-22W5/02	11-25-068-22W5	25-068-22W5	68-22W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CHARIOT STURLS 11-25-68-22	2610.6	Pumping OIL	Barrick Enrg Inc
158	100/13-24-068-22W5/02	13-24-068-22W5	24-068-22W5	68-22W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CHARIOT STURLS 13-24-68-22	2609.1	Flowing OIL	Barrick Enrg Inc
159	100/15-24-068-22W5/02	15-24-068-22W5	24-068-22W5	68-22W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CHARIOT STURLS 15-24-68-22	2607.6	Pumping OIL	Barrick Enrg Inc
160	100/15-25-068-22W5/02	15-25-068-22W5	25-068-22W5	68-22W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	POCO STURLS 15-25-68-22	2582.9	Flowing GAS	Barrick Enrg Inc
161	100/15-35-068-22W5/02	15-35-068-22W5	35-068-22W5	68-22W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CADENCE ACQ STURLKS 15-35-68-22	2592.3	Drilled & Cased	Barrick Enrg Inc
162	102/14-14-068-22W5/02	14-14-068-22W5	14-068-22W5	68-22W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	SIGNALTA STURLKS 14-14-68-22	2580.5	Flowing OIL	Signalta Rsrcs Lmtd
163	100/04-07-069-21W5/03	04-07-069-21W5	07-069-21W5	69-21W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CHARIOT STURLS 4-7-69-21	2543.6	Drilled & Cased	Barrick Enrg Inc
164	100/06-05-069-21W5/04	06-05-069-21W5	05-069-21W5	69-21W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CHARIOT REN STURLS 6-5-69-21	2622.6	Pumping OIL	Barrick Enrg Inc
165	100/08-09-069-21W5/02	08-09-069-21W5	09-069-21W5	69-21W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CHARIOT STURLS 8-9-69-21		Flowing OIL	Barrick Enrg Inc
166	100/13-03-069-21W5/02	13-03-069-21W5	03-069-21W5	69-21W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CHARIOT STURLS 13-3-69-21	2731.6	Pumping OIL	Barrick Enrg Inc
167	102/10-05-069-21W5/03	10-05-069-21W5	05-069-21W5	69-21W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CHARIOT STURLS 10-5-69-21	2512.5	Pumping OIL	Barrick Enrg Inc
168	105/07-05-069-21W5/00	07-05-069-21W5	05-069-21W5	69-21W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CHARIOT STURLS 7-5-69-21	2380.0	Pumping OIL	Barrick Enrg Inc
169	100/07-01-069-22W5/04	07-01-069-22W5	01-069-22W5	69-22W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CHARIOT STURLS 7-1-69-22		Drilled & Cased	Barrick Enrg Inc
170	100/09-01-069-22W5/02	09-01-069-22W5	01-069-22W5	69-22W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CHARIOT STURLS 9-1-69-22	2585.8	Pumping OIL	Barrick Enrg Inc
171	100/16-01-069-22W5/02	16-01-069-22W5	01-069-22W5	69-22W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CHARIOT STURLS 16-1-69-22	2550.0	Pumping OIL	Barrick Enrg Inc
172	100/01-12-069-22W5/02	01-12-069-22W5	12-069-22W5	69-22W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CHARIOT STURLS 1-12-69-22	2969.1	Drilled & Cased	Barrick Enrg Inc
173	100/02-12-069-22W5/02	02-12-069-22W5	12-069-22W5	69-22W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CHARIOT STURLS 2-12-69-22	2580.7	Pumping OIL	Barrick Enrg Inc
174	100/06-12-069-22W5/03	06-12-069-22W5	12-069-22W5	69-22W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CADENCE ACQ STURLKS 6-12-69-22	2612.0	Flowing OIL	Barrick Enrg Inc
175	100/07-12-069-22W5/02	07-12-069-22W5	12-069-22W5	69-22W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CHARIOT STURLS 7-12-69-22	2589.3	Pumping OIL	Barrick Enrg Inc
176	103/05-12-069-22W5/05	05-12-069-22W5	12-069-22W5	69-22W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CADENCE ACQ STURLKS 5-12-69-22	2460.0	Flowing GAS	Barrick Enrg Inc
177	102/05-12-069-22W5/05	05-12-069-22W5	12-069-22W5	69-22W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	DAYLIGHT ET AL STURLS 5-12-69-22	2518.2	Flowing OIL	Barrick Enrg Inc
178	100/07-20-069-22W5/02	07-20-069-22W5	20-069-22W5	69-22W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CADENCE ACQ STURLKS 7-20-69-22		Drilled & Cased	Barrick Enrg Inc
Possible Alternative Holes For Sampling										
179	100/16-19-057-19W5/00	16-19-057-19W5	19-057-19W5	57-19W5	Yes	Active Well - Possible Alternate for Sampling	AMOCO PINE 16-19-57-19	3840.5	Pumping Gas	BP Cda Enrg Comp
180	102/16-19-057-19W5/00	16-19-057-19W5	19-057-19W5	57-19W5	Yes	Active Well - Possible Alternate for Sampling	CANHUNTER 102 PINE CREEK 16-19-57-19	3309.1	Pumping Gas	ConocoPhillips Cda (BRC)
181	100/03-20-057-20W5/00	03-20-057-20W5	20-057-20W5	57-20W5	Yes	Active Well - Possible Alternate for Sampling	EMC PINE CREEK 3-20-57-20	3365.5	Drilled & Cased	Exxonmobil Cda & Rsrcs
182	100/11-11-057-20W5/00	11-11-057-20W5	11-057-20W5	57-20W5	Yes	Active Well - Possible Alternate for Sampling	AMOCO HB FINA FIR 11-11-57-20	4084.3	Pumping Gas	BP Cda Enrg Comp
183	100/06-14-057-21W5/00	06-14-057-21W5	14-057-21W5	57-21W5	Yes	Active Well - Possible Alternate for Sampling	AMOCO ET AL FIR 6-14-57-21	3864.3	Pumping Gas	Exxonmobil Cda & Rsrcs
184	100/05-11-058-21W5/00	05-11-058-21W5	11-058-21W5	58-21W5	Yes	Active Well - Possible Alternate for Sampling	CANHUNTER PCP FIR 5-11-58-21	3282.0	Pumping Gas	BP Cda Enrg Comp
185	100/06-36-058-21W5/00	06-36-058-21W5	36-058-21W5	58-21W5	Yes	Active Well - Possible Alternate for Sampling	AMOCO ET AL FIR 6-36-58-21	3876.1	Pumping Gas	BP Cda Enrg Comp
186	100/07-23-058-21W5/00	07-23-058-21W5	23-058-21W5	58-21W5	Yes	Active Well - Possible Alternate for Sampling	CANHUNTER FIR 7-23-58-21	3186.7	Flowing GAS	ConocoPhillips Cda (BRC)
187	100/13-23-058-21W5/00	13-23-058-21W5	23-058-21W5	58-21W5	Yes	Active Well - Possible Alternate for Sampling	PAM FIR 13-23-58-21	3434.9	Pumping OIL	Colonia Corp
188	100/11-27-059-19W5/00	11-27-059-19W5	27-059-19W5	59-19W5	Yes	Active Well - Possible Alternate for Sampling	AMOCO PRESLEY 11-27-59-19	3822.5	Pumping Gas	BP Cda Enrg Comp
189	100/16-20-059-21W5/00	16-20-059-21W5	20-059-21W5	59-21W5	Yes	Active Well - Possible Alternate for Sampling	AMOCO ET AL L-1 FIR 16-20-59-21	4007.4	Flowing GAS	BP Cda Enrg Comp
190	100/06-08-060-19W5/00	06-08-060-19W5	08-060-19W5	60-19W5	Yes	Active Well - Possible Alternate for Sampling	CNRL KAYBOBS 6-8-60-19	3782.6	Flowing GAS	Cdn Nat Rsrcs Lmtd
191	100/07-33-060-19W5/00	07-33-060-19W5	33-060-19W5	60-19W5	Yes	Active Well - Possible Alternate for Sampling	AMOCO KAYBOBS 7-33-60-19	3154.7	Pumping Gas	BP Cda Enrg Comp
192	100/11-25-060-20W5/00	11-25-060-20W5	25-060-20W5	60-20W5	Yes	Active Well - Possible Alternate for Sampling	PERL ET AL PASS 11-25-60-20	3474.7	Pumping Gas	BP Cda Enrg Comp
193	100/14-24-061-18W5/00	14-24-061-18W5	24-061-18W5	61-18W5	Yes	Active Well - Possible Alternate for Sampling	TRILOGY FOXCK 14-24-61-18		Commingled	Trilogy Enrg Ltd
194	100/07-30-061-19W5/00	07-30-061-19W5	30-061-19W5	61-19W5	Yes	Active Well - Possible Alternate for Sampling	AURIGA ENERGY KAYBOBS 7-30-61-19	3357.1	Observation Well	Auriga Enrg Inc
195	100/10-13-061-20W5/00	10-13-061-20W5	13-061-20W5	61-20W5	Yes	Active Well - Possible Alternate for Sampling	CNRL KAYBOBS 10-13-61-20	3003.8	Pumping Gas	Cdn Nat Rsrcs Lmtd
196	100/10-21-061-20W5/00	10-21-061-20W5	21-061-20W5	61-20W5	Yes	Active Well - Possible Alternate for Sampling	DAYLIGHT KAYBOBS 10-21-61-20	3327.5	Flowing GAS	Daylight Enrg Ltd
197	100/07-07-062-18W5/00	07-07-062-18W5	07-062-18W5	62-18W5	Yes	Active Well - Possible Alternate for Sampling	TRILOGY FOXCK 7-7-62-18	3251.0	Drilled & Cased	Trilogy Enrg Ltd
198	100/09-28-062-18W5/00	09-28-062-18W5	28-062-18W5	62-18W5	Yes	Active Well - Possible Alternate for Sampling	TRILOGY FOX CREEK 9-28-62-18		Pumping Gas	Trilogy Enrg Ltd
199	100/10-09-062-18W5/00	10-09-062-18W5	09-062-18W5	62-18W5	Yes	Active Well - Possible Alternate for Sampling	TRILOGY FOX CREEK 10-9-62-18	3159.3	Flowing GAS	Trilogy Enrg Ltd
200	100/01-22-062-20W5/00	01-22-062-20W5	22-062-20W5	62-20W5	Yes	Active Well - Possible Alternate for Sampling	AURIGA ENERGY KAYBOBS 1-22-62-20	3278.1	Observation Well	Auriga Enrg Inc
201	100/06-31-062-21W5/00	06-31-062-21W5	31-062-21W5	62-21W5	Yes	Active Well - Possible Alternate for Sampling	AMOCO KAYBOBS 6-31-62-21	3439.4	Drilled & Cased	BP Cda Enrg Comp
202	100/07-26-069-23W5/00	07-26-069-23W5	26-069-23W5	69-23W5	Yes	Active Well - Possible Alternate for Sampling	CADENCE ACQ STURLKS 7-26-69-23	2674.0	Pumping OIL	Barrick Enrg Inc
203	100/10-34-069-23W5/00	10-34-069-23W5	34-069-23W5	69-23W5	Yes	Active Well - Possible Alternate for Sampling	CADENCE ACQ STURLKS 10-34-69-23	2693.0	Flowing OIL	Barrick Enrg Inc
Abandoned Holes With Historic Lithium Values Of Interest										
204	100/04-26-057-19W5/00	04-26-057-19W5	26-057-19W5	57-19W5	Yes	Li Well - Suspended or Abandoned	AMOCO PINE 4-26-57-19	3386.3	Abandoned GAS Zone	BP Cda Enrg Comp
205	100/02-10-058-19W5/00	02-10-058-19W5	10-058-19W5	58-19W5	Yes	Li Well - Suspended or Abandoned	AMOCO PINE 2-10-58-19	3524.1	Abandoned GAS Zone	BP Cda Enrg Comp
206	102/11-36-059-21W5/00	11-36-059-21W5	36-059-21W5	59-21W5	Yes	Li Well - Suspended or Abandoned	DAYLIGHT ET AL HZ FIR 7-36-59-21	3372.6	Abandoned Whipstock GAS	Daylight Enrg Ltd
207	100/07-31-061-21W5/00	07-31-061-21W5	31-061-21W5	61-21W5	Yes	Li Well - Suspended or Abandoned	MOBIL ICG TONY 7-31-61-21	3570.7	Drilled & Abandoned	Exxonmobil Cda Ltd
208	100/07-11-062-23W5/00	07-11-062-23W5	11-062-23W5	62-23W5	Yes	Li Well - Suspended or Abandoned	CHEVRON DEEP VALLEY 7-11-62-23	3648.5	Drilled & Abandoned	Chevron Cda Lmtd
209	100/14-14-060-17W5/00	14-14-060-17W5	14-060-17W5	60-17W5	Yes	Li Well - Suspended or Abandoned	AMOCO HB W WIND 14-14-60-17	2697.5	Drilled & Abandoned	BP Cda Enrg Comp
210	100/07-36-061-18W5/00	07-36-061-18W5	36-061-18W5	61-18W5	Yes	Li Well - Suspended or Abandoned	CHEVRON GULF PASS CREEK 7-36-61-18	3173.0	Drilled & Abandoned	Chevron Cda Lmtd
211	100/10-13-062-18W5/00	10-13-062-18W5	13-062-18W5	62-18W5	Yes	Li Well - Suspended or Abandoned	CELTIC HZ FOXCK 6-13-62-18		Abandoned Whipstock OIL	Celtic Expl Ltd
212	100/07-27-067-22W5/00	07-27-067-22W5	27-067-22W5	67-22W5	Yes	Li Well - Suspended or Abandoned	RAX LITTLE SMOKY 7-27-67-22		Abandoned OIL	Cdn Nat Rsrcs Lmtd

TABLE 2. PROSPECTIVE WELLS FOR SAMPLING - ORDERED BY OPERATOR

No	Well_ID_Long	Well_ID_Short	Section	Twp-Range	On 1st Li_Property	Target	Well_Name	Current_Status	Current_Operator
Active Holes Recommended For Sampling									
41	100/15-01-061-22W5/02	15-01-061-22W5	01-061-22W5	61-22W5	Yes	Berland River Woodbend - Active	AURIGA ENERGY BIGSTONE 16-1-61-22	Flowing GAS	Auriga Enrg Inc
49	100/16-01-062-20W5/00	16-01-062-20W5	01-062-20W5	62-20W5	Yes	Smoke Lake Beaverhill - Active	AURIGA ENERGY KAYBOBS 16-1-62-20	Flowing GAS	Auriga Enrg Inc
30	100/06-02-061-19W5/00	06-02-061-19W5	02-061-19W5	61-19W5	Yes	Smoke Lake Beaverhill - Active	AURIGA ENERGY KAYBOBS 6-2-61-19	Flowing GAS	Auriga Enrg Inc
31	100/08-03-061-19W5/00	08-03-061-19W5	03-061-19W5	61-19W5	Yes	Smoke Lake Beaverhill - Active	AURIGA ENERGY KAYBOBS 8-3-61-19	Flowing GAS	Auriga Enrg Inc
48	100/05-06-062-19W5/00	05-06-062-19W5	06-062-19W5	62-19W5	Yes	Smoke Lake Beaverhill - Active	AURIGA ENERGY KAYBOBS 5-6-62-19	Flowing GAS	Auriga Enrg Inc
32	100/04-10-061-19W5/00	04-10-061-19W5	10-061-19W5	61-19W5	Yes	Smoke Lake Beaverhill - Active	AURIGA ENERGY KAYBOBS 4-10-61-19	Flowing GAS	Auriga Enrg Inc
33	100/10-10-061-19W5/00	10-10-061-19W5	10-061-19W5	61-19W5	Yes	Smoke Lake Beaverhill - Active	AURIGA ENERGY KAYBOBS 10-10-61-19	Flowing GAS	Auriga Enrg Inc
51	102/04-13-062-20W5/00	04-13-062-20W5	13-062-20W5	62-20W5	Yes	Smoke Lake Beaverhill - Active	AURIGA ENERGY KAYBOBS 4-13-62-20	Flowing GAS	Auriga Enrg Inc
50	100/12-13-062-20W5/00	12-13-062-20W5	13-062-20W5	62-20W5	Yes	Smoke Lake Beaverhill - Active	AURIGA ENERGY KAYBOBS 12-13-62-20	Flowing GAS	Auriga Enrg Inc
34	100/03-16-061-19W5/00	03-16-061-19W5	16-061-19W5	61-19W5	Yes	Smoke Lake Beaverhill - Active	AURIGA ENERGY KAYBOBS 3-16-61-19	Flowing GAS	Auriga Enrg Inc
35	100/14-16-061-19W5/00	14-16-061-19W5	16-061-19W5	61-19W5	Yes	Smoke Lake Beaverhill - Active	AURIGA ENERGY KAYBOBS 14-16-61-19	Flowing GAS	Auriga Enrg Inc
36	100/07-20-061-19W5/00	07-20-061-19W5	20-061-19W5	61-19W5	Yes	Smoke Lake Beaverhill - Active	AURIGA ENERGY KAYBOBS 7-20-61-19	Flowing GAS	Auriga Enrg Inc
52	100/06-23-062-20W5/00	06-23-062-20W5	23-062-20W5	62-20W5	Yes	Smoke Lake Beaverhill - Active	AURIGA ENERGY KAYBOBS 6-23-62-20	Flowing GAS	Auriga Enrg Inc
25	100/09-29-060-21W5/00	09-29-060-21W5	29-060-21W5	60-21W5	Yes	Berland River Woodbend - Active	AURIGA ENERGY FIR 9-29-60-21	Flowing GAS	Auriga Enrg Inc
37	100/01-29-061-19W5/00	01-29-061-19W5	29-061-19W5	61-19W5	Yes	Smoke Lake Beaverhill - Active	AURIGA ENERGY KAYBOBS 1-29-61-19	Flowing GAS	Auriga Enrg Inc
38	100/10-29-061-19W5/00	10-29-061-19W5	29-061-19W5	61-19W5	Yes	Smoke Lake Beaverhill - Active	AURIGA ENERGY KAYBOBS 10-29-61-19	Flowing GAS	Auriga Enrg Inc
39	100/16-30-061-19W5/00	16-30-061-19W5	30-061-19W5	61-19W5	Yes	Smoke Lake Beaverhill - Active	AURIGA ENERGY KAYBOBS 16-30-61-19	Flowing GAS	Auriga Enrg Inc
26	100/16-31-060-21W5/00	16-31-060-21W5	31-060-21W5	60-21W5	Yes	Berland River Woodbend - Active	AURIGA ENERGY FIR 16-31-60-21	Flowing GAS	Auriga Enrg Inc
40	102/16-31-061-19W5/00	16-31-061-19W5	31-061-19W5	61-19W5	Yes	Smoke Lake Beaverhill - Active	AURIGA ENERGY 02 KAYBOBS 16-31-61-19	Flowing GAS	Auriga Enrg Inc
23	100/06-19-060-21W5/00	06-19-060-21W5	19-060-21W5	60-21W5	Yes	Berland River Woodbend - Active	AMOCO ET AL BIGSTONE 6-19-60-21	Pumping Gas	BP Cda Enrg Comp
24	100/10-20-060-21W5/00	10-20-060-21W5	20-060-21W5	60-21W5	Yes	Berland River Woodbend - Active	AMOCO ET AL BIGSTONE 10-20-60-21	Flowing GAS	BP Cda Enrg Comp
53	100/04-24-062-20W5/00	04-24-062-20W5	24-062-20W5	62-20W5	Yes	Smoke Lake Beaverhill - Active	AMOCO KAYBOBS 4-24-62-20	Pumping Gas	BP Cda Enrg Comp
2	100/13-26-058-20W5/00	13-26-058-20W5	26-058-20W5	58-20W5	Yes	Berland River Woodbend - Active	AMOCO ET AL PINE CREEK 13-26-58-20	Drilled & Cased	BP Cda Enrg Comp
4	100/16-28-058-20W5/00	16-28-058-20W5	28-058-20W5	58-20W5	Yes	Berland River Woodbend - Active	AMOCO PINENW 16-28-58-20	Flowing GAS	BP Cda Enrg Comp
5	100/09-33-058-20W5/00	09-33-058-20W5	33-058-20W5	58-20W5	Yes	Berland River Woodbend - Active	AMOCO PINE NORTHWEST 9-33-58-20	Drilled & Cased	BP Cda Enrg Comp
42	100/06-01-062-18W5/00	06-01-062-18W5	01-062-18W5	62-18W5	Yes	Raspberry Lake Woodbend - Active	CELTIC FOXCK 6-1-62-18	Pumping OIL	Celtic Expl Ltd
43	102/11-12-062-18W5/00	11-12-062-18W5	12-062-18W5	62-18W5	Yes	Raspberry Lake Woodbend - Active	CELTIC FOXCK 11-12-62-18	Flowing OIL	Celtic Expl Ltd
44	100/06-13-062-18W5/02	06-13-062-18W5	13-062-18W5	62-18W5	Yes	Raspberry Lake Woodbend - Active	CELTIC HZ FOXCK 6-13-62-18	Pumping OIL	Celtic Expl Ltd
45	100/13-13-062-18W5/00	13-13-062-18W5	13-062-18W5	62-18W5	Yes	Raspberry Lake Woodbend - Active	CELTIC FOXCK 13-13-62-18	Pumping OIL	Celtic Expl Ltd
46	100/15-23-062-18W5/03	15-23-062-18W5	23-062-18W5	62-18W5	Yes	Raspberry Lake Woodbend - Active	CELTIC FOXCK 15-23-62-18	Pumping OIL	Celtic Expl Ltd
16	100/14-24-060-19W5/00	14-24-060-19W5	24-060-19W5	60-19W5	Yes	Smoke Lake Beaverhill - Active	AMOCO ET AL KAYBOBS 14-24-60-19	Flowing GAS	Celtic Expl Ltd
17	100/02-25-060-19W5/00	02-25-060-19W5	25-060-19W5	60-19W5	Yes	Smoke Lake Beaverhill - Active	AMOCO KAYBOBS 2-25-60-19	Flowing GAS	Celtic Expl Ltd
18	100/05-25-060-19W5/00	05-25-060-19W5	25-060-19W5	60-19W5	Yes	Smoke Lake Beaverhill - Active	AMOCO KAYBOBS 5-25-60-19	Flowing GAS	Celtic Expl Ltd
47	100/06-25-062-18W5/00	06-25-062-18W5	25-062-18W5	62-18W5	Yes	Raspberry Lake Woodbend - Active	CELTIC FOXCK 6-25-62-18	Flowing OIL	Celtic Expl Ltd
19	100/09-34-060-19W5/00	09-34-060-19W5	34-060-19W5	60-19W5	Yes	Smoke Lake Beaverhill - Active	AMOCO KAYBOBS 9-34BL-60-19	Flowing GAS	Celtic Expl Ltd
20	100/01-35-060-19W5/00	01-35-060-19W5	35-060-19W5	60-19W5	Yes	Smoke Lake Beaverhill - Active	AMOCO KAYBOBS 1-35BL-60-19	Flowing GAS	Celtic Expl Ltd
21	100/10-35-060-19W5/00	10-35-060-19W5	35-060-19W5	60-19W5	Yes	Smoke Lake Beaverhill - Active	AMOCO BHL UNIT 2 KAYBOBS 10-35-60-19	Flowing GAS	Celtic Expl Ltd
22	100/10-03-060-21W5/00	10-03-060-21W5	03-060-21W5	60-21W5	Yes	Berland River Woodbend - Active	CANHUNTER FIR 10-3-60-21	Pumping Gas	ConocoPhillips Cda (BRC)
12	100/06-24-059-21W5/00	06-24-059-21W5	24-059-21W5	59-21W5	Yes	Berland River Woodbend - Active	CANHUNTER ET AL FIR 6-24-59-21	Flowing GAS	ConocoPhillips Cda (BRC)
3	100/07-28-058-20W5/00	07-28-058-20W5	28-058-20W5	58-20W5	Yes	Berland River Woodbend - Active	CANHUNTER PINE 7-28-58-20	Pumping Gas	ConocoPhillips Cda (BRC)
1	100/13-11-057-19W5/00	13-11-057-19W5	11-057-19W5	57-19W5	Yes	Berland River Woodbend - Active	DAYLIGHT PINE 13-11-57-19	Flowing GAS	Daylight Enrg Ltd
10	100/06-19-059-20W5/00	06-19-059-20W5	19-059-20W5	59-20W5	Yes	Berland River Woodbend - Active	DAYLIGHT FIR 6-19-59-20	Flowing GAS	Daylight Enrg Ltd
13	100/16-25-059-21W5/00	16-25-059-21W5	25-059-21W5	59-21W5	Yes	Berland River Woodbend - Active	DAYLIGHT FIR 16-25-59-21	Flowing GAS	Daylight Enrg Ltd
14	100/07-36-059-21W5/02	07-36-059-21W5	36-059-21W5	59-21W5	Yes	Berland River Woodbend - Active	DAYLIGHT ET AL HZ FIR 7-36-59-21	Flowing GAS	Daylight Enrg Ltd
15	100/07-16-060-17W5/02	07-16-060-17W5	16-060-17W5	60-17W5	Yes	Athabasca Woodbend - Active	NUMAC ET AL KAYBOBS 7-16-60-17	Flowing GAS	Devon Cda Corp
9	100/15-18-059-20W5/00	15-18-059-20W5	18-059-20W5	59-20W5	Yes	Berland River Woodbend - Active	KFOCC ET AL FIR 15-18-59-20	Drilled & Cased	Enermark Inc
6	100/09-22-059-17W5/00	09-22-059-17W5	22-059-17W5	59-17W5	Yes	Athabasca Woodbend - Active	AMOCO ET AL KAYBOBS 9-22-59-17	Pumping Gas	Talisman Enrg Inc
8	100/07-34-059-17W5/00	07-34-059-17W5	34-059-17W5	59-17W5	Yes	Athabasca Woodbend - Active	AMOCO ET AL KAYBOB 7-34-59-17	Pumping Gas	Talisman Enrg Inc
27	100/03-24-061-18W5/00	03-24-061-18W5	24-061-18W5	61-18W5	Yes	Raspberry Lake Woodbend - Active	TRILOGY FOXCK 3-24-61-18	Drilled & Cased	Trilogy Enrg Ltd
28	100/14-24-061-18W5/02	14-24-061-18W5	24-061-18W5	61-18W5	Yes	Raspberry Lake Woodbend - Active	TRILOGY FOXCK 14-24-61-18	Pumping Gas	Trilogy Enrg Ltd
7	100/11-28-059-17W5/00	11-28-059-17W5	28-059-17W5	59-17W5	Yes	Athabasca Woodbend - Active	TRILOGY KAYBOB S. 11-28-59-17	Pumping Gas	Trilogy Enrg Ltd
11	100/11-29-059-20W5/00	11-29-059-20W5	29-059-20W5	59-20W5	Yes	Berland River Woodbend - Active	CNRL ET AL FIR 11-29-59-20	Flowing GAS	Trilogy Enrg Ltd
29	100/12-35-061-18W5/00	12-35-061-18W5	35-061-18W5	61-18W5	Yes	Raspberry Lake Woodbend - Active	TRILOGY FOXCK 12-35-61-18	Flowing GAS	Trilogy Enrg Ltd
47	100/01-01-069-22W5/00	01-01-069-22W5	01-069-22W5	69-22W5	Yes	Valleyview North - Active	CHARIOT STURLS 1-1-69-22	Pumping OIL	Barrick Enrg Inc
48	100/08-01-069-22W5/00	08-01-069-22W5	01-069-22W5	69-22W5	Yes	Valleyview North - Active	CHARIOT STURLS 8-1-69-22	Flowing OIL	Barrick Enrg Inc
49	100/10-01-069-22W5/02	10-01-069-22W5	01-069-22W5	69-22W5	Yes	Valleyview North - Active	CHARIOT HZ STURLS 10-1-69-22	Pumping OIL	Barrick Enrg Inc
50	100/05-02-069-22W5/00	05-02-069-22W5	02-069-22W5	69-22W5	Yes	Valleyview North - Active	CADENCE ACQ STURLKS 5-2-69-22	Pumping OIL	Barrick Enrg Inc
24	100/05-04-069-21W5/00	05-04-069-21W5	04-069-21W5	69-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 5-4-69-21	Pumping OIL	Barrick Enrg Inc
25	100/11-04-069-21W5/00	11-04-069-21W5	04-069-21W5	69-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 11-4-69-21	Pumping OIL	Barrick Enrg Inc
51	100/03-04-069-22W5/00	03-04-069-22W5	04-069-22W5	69-22W5	Yes	Valleyview North - Active	CADENCE ACQ STURLKS 3-4-69-22	Pumping OIL	Barrick Enrg Inc
52	100/16-04-069-22W5/00	16-04-069-22W5	04-069-22W5	69-22W5	Yes	Valleyview North - Active	CADENCE ACQ STURLKS 16-4-69-22	Pumping OIL	Barrick Enrg Inc
28	103/03-05-069-21W5/00	03-05-069-21W5	05-069-21W5	69-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 3-5-69-21	Pumping OIL	Barrick Enrg Inc
26	100/05-05-069-21W5/00	05-05-069-21W5	05-069-21W5	69-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 5-5-69-21	Pumping OIL	Barrick Enrg Inc
27	102/06-05-069-21W5/00	06-05-069-21W5	05-069-21W5	69-21W5	Yes	Valleyview North - Active	KERECO 102 STURLS 6-5-69-21	Pumping OIL	Barrick Enrg Inc
29	103/07-05-069-21W5/00	07-05-069-21W5	05-069-21W5	69-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 7-5-69-21	Pumping OIL	Barrick Enrg Inc
30	100/01-06-069-21W5/00	01-06-069-21W5	06-069-21W5	69-21W5	Yes	Valleyview North - Active	PARA STURLS 1-6-69-21	Pumping OIL	Barrick Enrg Inc
31	100/03-06-069-21W5/00	03-06-069-21W5	06-069-21W5	69-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 3-6-69-21	Pumping OIL	Barrick Enrg Inc
32	100/09-06-069-21W5/00	09-06-069-21W5	06-069-21W5	69-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 9-6-69-21	Pumping OIL	Barrick Enrg Inc
33	100/10-06-069-21W5/00	10-06-069-21W5	06-069-21W5	69-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 10-6-69-21	Pumping OIL	Barrick Enrg Inc
34	100/11-06-069-21W5/00	11-06-069-21W5	06-069-21W5	69-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 11-6-69-21	Pumping OIL	Barrick Enrg Inc
35	100/13-06-069-21W5/00	13-06-069-21W5	06-069-21W5	69-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 13-6-69-21	Flowing OIL	Barrick Enrg Inc
36	100/14-06-069-21W5/00	14-06-069-21W5	06-069-21W5	69-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 14-6-69-21	Flowing OIL	Barrick Enrg Inc

TABLE 2. PROSPECTIVE WELLS FOR SAMPLING - ORDERED BY OPERATOR

No	Well_ID_Long	Well_ID_Short	Section	Twp-Range	On 1st Li_Property	Target	Well_Name	Current_Status	Current_Operator
37	100/15-06-069-21W5/00	15-06-069-21W5	06-069-21W5	69-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 15-6-69-21	Pumping OIL	Barrick Enrg Inc
39	103/04-07-069-21W5/00	04-07-069-21W5	07-069-21W5	69-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 4-7-69-21	Drilled & Cased	Barrick Enrg Inc
38	100/05-07-069-21W5/00	05-07-069-21W5	07-069-21W5	69-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 5-7-69-21	Pumping OIL	Barrick Enrg Inc
40	100/08-08-069-21W5/00	08-08-069-21W5	08-069-21W5	69-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 8-8-69-21	Pumping OIL	Barrick Enrg Inc
41	102/05-09-069-21W5/00	05-09-069-21W5	09-069-21W5	69-21W5	Yes	Valleyview North - Active	PARA STURLS 5-9-69-21	Pumping OIL	Barrick Enrg Inc
53	100/13-09-069-22W5/00	13-09-069-22W5	09-069-22W5	69-22W5	Yes	Valleyview North - Active	CADENCE ACQ STURLKS 13-9-69-22	Pumping OIL	Barrick Enrg Inc
42	100/04-10-069-21W5/00	04-10-069-21W5	10-069-21W5	69-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 4-10-69-21	Pumping OIL	Barrick Enrg Inc
43	100/05-10-069-21W5/00	05-10-069-21W5	10-069-21W5	69-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 5-10-69-21	Pumping OIL	Barrick Enrg Inc
54	102/16-10-069-22W5/00	16-10-069-22W5	10-069-22W5	69-22W5	Yes	Valleyview North - Active	CADENCE ACQ STURLKS 16-10-69-22	Pumping OIL	Barrick Enrg Inc
45	102/06-11-069-21W5/02	06-11-069-21W5	11-069-21W5	69-21W5	Yes	Valleyview North - Active	ANKERTON HOLD STURLS 4-11-69-21	Pumping OIL	Barrick Enrg Inc
46	102/10-11-069-21W5/00	10-11-069-21W5	11-069-21W5	69-21W5	Yes	Valleyview North - Active	ANKERTON HOLD STURLS 10-11-69-21	Drilled & Cased	Barrick Enrg Inc
44	100/12-11-069-21W5/00	12-11-069-21W5	11-069-21W5	69-21W5	Yes	Valleyview North - Active	KERECO STURLKS 12-11-69-21	Pumping OIL	Barrick Enrg Inc
55	100/07-11-069-22W5/00	07-11-069-22W5	11-069-22W5	69-22W5	Yes	Valleyview North - Active	CADENCE ACQ STURLKS 7-11-69-22	Pumping OIL	Barrick Enrg Inc
56	100/08-11-069-22W5/00	08-11-069-22W5	11-069-22W5	69-22W5	Yes	Valleyview North - Active	DAYLIGHT ET AL HZ STURLS 8-11-69-22	Pumping OIL	Barrick Enrg Inc
57	102/10-11-069-22W5/02	10-11-069-22W5	11-069-22W5	69-22W5	Yes	Valleyview North - Active	DAYLIGHT 102 HZ STURLS 6-11-69-22	Drilled & Cased	Barrick Enrg Inc
61	104/01-12-069-22W5/00	01-12-069-22W5	12-069-22W5	69-22W5	Yes	Valleyview North - Active	CHARIOT STURLS 1-12-69-22	Pumping OIL	Barrick Enrg Inc
58	100/03-12-069-22W5/00	03-12-069-22W5	12-069-22W5	69-22W5	Yes	Valleyview North - Active	CADENCE ACQ STURLKS 3-12-69-22	Pumping OIL	Barrick Enrg Inc
59	100/04-12-069-22W5/02	04-12-069-22W5	12-069-22W5	69-22W5	Yes	Valleyview North - Active	CADENCE ACQ STURLKS 13-1-69-22	Pumping OIL	Barrick Enrg Inc
60	102/07-12-069-22W5/00	07-12-069-22W5	12-069-22W5	69-22W5	Yes	Valleyview North - Active	CHARIOT STURLS 7-12-69-22	Pumping OIL	Barrick Enrg Inc
62	100/05-15-069-22W5/00	05-15-069-22W5	15-069-22W5	69-22W5	Yes	Valleyview North - Active	CADENCE ACQ STURLKS 5-15-69-22	Pumping OIL	Barrick Enrg Inc
64	100/07-19-069-22W5/00	07-19-069-22W5	19-069-22W5	69-22W5	Yes	Valleyview North - Active	CADENCE ACQ STURLKS 7-19-69-22	Pumping OIL	Barrick Enrg Inc
65	100/12-19-069-22W5/03	12-19-069-22W5	19-069-22W5	69-22W5	Yes	Valleyview North - Active	CADENCE ACQ STURLKS 0-0-0-0	Flowing OIL	Barrick Enrg Inc
69	102/01-20-069-22W5/02	01-20-069-22W5	20-069-22W5	69-22W5	Yes	Valleyview North - Active	CADENCE ACQ STURLKS 16-17-69-22	Pumping OIL	Barrick Enrg Inc
66	100/02-20-069-22W5/00	02-20-069-22W5	20-069-22W5	69-22W5	Yes	Valleyview North - Active	CADENCE ACQ STURLKS 2-20-69-22	Pumping OIL	Barrick Enrg Inc
67	100/04-20-069-22W5/03	04-20-069-22W5	20-069-22W5	69-22W5	Yes	Valleyview North - Active	CADENCE ACQ STURLKS 3-20-69-22	Pumping OIL	Barrick Enrg Inc
68	100/05-20-069-22W5/00	05-20-069-22W5	20-069-22W5	69-22W5	Yes	Valleyview North - Active	CADENCE ACQ STURLKS 5-20-69-22	Pumping OIL	Barrick Enrg Inc
15	100/09-24-068-22W5/00	09-24-068-22W5	24-068-22W5	68-22W5	Yes	Valleyview North - Active	CHARIOT STURLS 9-24-68-22	Pumping OIL	Barrick Enrg Inc
16	100/01-25-068-22W5/00	01-25-068-22W5	25-068-22W5	68-22W5	Yes	Valleyview North - Active	CHARIOT STURLS 1-25-68-22	Pumping OIL	Barrick Enrg Inc
17	100/05-25-068-22W5/00	05-25-068-22W5	25-068-22W5	68-22W5	Yes	Valleyview North - Active	CHARIOT STURLS 5-25-68-22	Drilled & Cased	Barrick Enrg Inc
18	100/13-27-068-22W5/00	13-27-068-22W5	27-068-22W5	68-22W5	Yes	Valleyview North - Active	CHARIOT STURLS 13-27-68-22	Pumping OIL	Barrick Enrg Inc
6	100/11-30-068-21W5/00	11-30-068-21W5	30-068-21W5	68-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 11-30-68-21	Pumping OIL	Barrick Enrg Inc
7	100/15-30-068-21W5/00	15-30-068-21W5	30-068-21W5	68-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 15-30-68-21	Pumping OIL	Barrick Enrg Inc
8	100/02-31-068-21W5/00	02-31-068-21W5	31-068-21W5	68-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 2-31-68-21	Pumping OIL	Barrick Enrg Inc
9	100/08-31-068-21W5/00	08-31-068-21W5	31-068-21W5	68-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 8-31-68-21	Pumping OIL	Barrick Enrg Inc
10	100/13-31-068-21W5/00	13-31-068-21W5	31-068-21W5	68-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 13-31-68-21	Pumping OIL	Barrick Enrg Inc
11	100/15-31-068-21W5/00	15-31-068-21W5	31-068-21W5	68-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 15-31-68-21	Pumping OIL	Barrick Enrg Inc
12	100/16-31-068-21W5/00	16-31-068-21W5	31-068-21W5	68-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 16-31-68-21	Pumping OIL	Barrick Enrg Inc
14	1W0/12-32-068-21W5/00	12-32-068-21W5	32-068-21W5	68-21W5	Yes	Valleyview North - Active	CHARIOT 102 STURLS 12-32-68-21	Pumping OIL	Barrick Enrg Inc
13	100/13-32-068-21W5/00	13-32-068-21W5	32-068-21W5	68-21W5	Yes	Valleyview North - Active	CHARIOT STURLS 13-32-68-21	Pumping OIL	Barrick Enrg Inc
19	100/08-34-068-22W5/02	08-34-068-22W5	34-068-22W5	68-22W5	Yes	Valleyview North - Active	CADENCE ACQ STURLKS 0-0-0-0	Flowing OIL	Barrick Enrg Inc
20	100/14-34-068-22W5/00	14-34-068-22W5	34-068-22W5	68-22W5	Yes	Valleyview North - Active	CADENCE ACQ STURLKS 14-34-68-22	Pumping OIL	Barrick Enrg Inc
23	102/06-36-068-22W5/00	06-36-068-22W5	36-068-22W5	68-22W5	Yes	Valleyview North - Active	KERECO 102 STURLKS 6-36-68-22	Pumping OIL	Barrick Enrg Inc
21	100/08-36-068-22W5/00	08-36-068-22W5	36-068-22W5	68-22W5	Yes	Valleyview North - Active	KERECO STURLKS 8-36-68-22	Pumping OIL	Barrick Enrg Inc
22	100/11-36-068-22W5/00	11-36-068-22W5	36-068-22W5	68-22W5	Yes	Valleyview North - Active	CHARIOT STURLS 11-36-68-22	Pumping OIL	Barrick Enrg Inc
1	102/15-08-067-22W5/00	15-08-067-22W5	08-067-22W5	67-22W5	Yes	Valleyview South - Active	PARA ET AL LSMOKY 15-8-67-22	Pumping OIL	Paramount Rsrcs Ltd
2	100/06-16-067-22W5/00	06-16-067-22W5	16-067-22W5	67-22W5	Yes	Valleyview South - Active	PARA ET AL LSMOKY 6-16-67-22	Flowing GAS	Paramount Rsrcs Ltd
3	100/11-21-067-22W5/00	11-21-067-22W5	21-067-22W5	67-22W5	Yes	Valleyview South - Active	PARA ET AL LSMOKY 11-21-67-22	Drilled & Cased	Paramount Rsrcs Ltd
4	100/06-26-067-22W5/00	06-26-067-22W5	26-067-22W5	67-22W5	Yes	Valleyview South - Active	PARA ET AL LSMOKY 6-26-67-22	Flowing GAS	Paramount Rsrcs Ltd
5	100/06-28-067-22W5/00	06-28-067-22W5	28-067-22W5	67-22W5	Yes	Valleyview South - Active	PARA ET AL LSMOKY 6-28-67-22	Flowing GAS	Paramount Rsrcs Ltd
63	102/09-16-069-22W5/04	09-16-069-22W5	16-069-22W5	69-22W5	Yes	Valleyview North - Active	KINWEST ET AL STURLS 9-16-69-22	Drilled & Cased	Penn West Petrl Ltd
Possible Active Holes For Sampling - Check Status as Listed as Active and either Suspended or Abandoned									
21	100/16-20-061-19W5/02	16-20-061-19W5	20-061-19W5	61-19W5	Yes	Smoke Lake Beaverhill - Listed as Active and Suspended or Abandoned	AURIGA ENERGY RE KAYBOBS 16-20-61-19	Flowing GAS	Auriga Enrg Inc
20	100/14-29-061-19W5/02	14-29-061-19W5	29-061-19W5	61-19W5	Yes	Smoke Lake Beaverhill - Listed as Active and Suspended or Abandoned	AURIGA ENERGY KAYBOBS 14-29-61-19	Flowing GAS	Auriga Enrg Inc
5	100/09-03-058-19W5/02	09-03-058-19W5	03-058-19W5	58-19W5	Yes	Berland River Woodbend - Listed as Active and Suspended or Abandoned	AMOCO PINE CREEK 9-3-58-19	Flowing GAS	BP Cda Enrg Comp
2	100/10-04-057-19W5/02	10-04-057-19W5	04-057-19W5	57-19W5	Yes	Berland River Woodbend - Listed as Active and Suspended or Abandoned	AMOCO PINE 10-4-57-19	Pumping Gas	BP Cda Enrg Comp
11	100/07-07-059-20W5/02	07-07-059-20W5	07-059-20W5	59-20W5	Yes	Berland River Woodbend - Listed as Active and Suspended or Abandoned	FINA ET AL MARSHD 7-7-59-20	Pumping Gas	BP Cda Enrg Comp
22	100/05-08-061-22W5/02	05-08-061-22W5	08-061-22W5	61-22W5	Yes	Berland River Woodbend - Listed as Active and Suspended or Abandoned	PAN AM B-1 GRIZZLY 5-8-61-22	Drilled & Cased	BP Cda Enrg Comp
3	100/10-10-057-19W5/02	10-10-057-19W5	10-057-19W5	57-19W5	Yes	Berland River Woodbend - Listed as Active and Suspended or Abandoned	AMOCO PINE 10-10-57-19	Flowing GAS	BP Cda Enrg Comp
7	100/11-15-058-20W5/02	11-15-058-20W5	15-058-20W5	58-20W5	Yes	Berland River Woodbend - Listed as Active and Suspended or Abandoned	AMOCO PINE NW 11-15-58-20	Flowing GAS	BP Cda Enrg Comp
19	100/09-19-061-19W5/03	09-19-061-19W5	19-061-19W5	61-19W5	Yes	Smoke Lake Beaverhill - Listed as Active and Suspended or Abandoned	AMOCO KAYBOBS 9-19-61-19	Drilled & Cased	BP Cda Enrg Comp
4	100/11-26-057-19W5/02	11-26-057-19W5	26-057-19W5	57-19W5	Yes	Berland River Woodbend - Listed as Active and Suspended or Abandoned	AMOCO PINE 11-26-57-19	Flowing GAS	BP Cda Enrg Comp
8	100/12-26-058-20W5/02	12-26-058-20W5	26-058-20W5	58-20W5	Yes	Berland River Woodbend - Listed as Active and Suspended or Abandoned	AMOCO PINE NW 12-26-58-20	Drilled & Cased	BP Cda Enrg Comp
26	100/10-28-062-20W5/02	10-28-062-20W5	28-062-20W5	62-20W5	Yes	Smoke Lake Beaverhill - Listed as Active and Suspended or Abandoned	AMOCO KAYBOBS 10-28CM-62-20	Pumping Gas	BP Cda Enrg Comp
16	100/15-29-060-21W5/02	15-29-060-21W5	29-060-21W5	60-21W5	Yes	Berland River Woodbend - Listed as Active and Suspended or Abandoned	AMOCO ET AL BIGSTONE 15-29-60-21	Flowing GAS	BP Cda Enrg Comp
1	100/06-35-057-19W5/02	06-35-057-19W5	35-057-19W5	57-19W5	Yes	Berland River Woodbend - Listed as Active and Suspended or Abandoned	AMOCO PINE 6-35-57-19	Flowing GAS	BP Cda Enrg Comp
18	100/10-13-061-18W5/02	10-13-061-18W5	13-061-18W5	61-18W5	Yes	Raspberry Lake Woodbend - Listed as Active and Suspended or Abandoned	CELTIC FOXCK 10-13-61-18	Drilled & Cased	Celtic Expl Ltd
14	100/10-26-060-19W5/02	10-26-060-19W5	26-060-19W5	60-19W5	Yes	Smoke Lake Beaverhill - Listed as Active and Suspended or Abandoned	BP KAYBOBS 10-26-60-19	Flowing GAS	Celtic Expl Ltd
9	100/13-21-058-20W5/02	13-21-058-20W5	21-058-20W5	58-20W5	Yes	Berland River Woodbend - Listed as Active and Suspended or Abandoned	CANHUNTER PINE CREEK 13-21-58-20	Pumping Gas	ConocoPhillips Cda (BRC)
6	100/16-02-058-19W5/02	16-02-058-19W5	02-058-19W5	58-19W5	Yes	Berland River Woodbend - Listed as Active and Suspended or Abandoned	DAYLIGHT PINE 16-2-58-19	Drilled & Cased	Daylight Enrg Ltd
15	100/11-02-060-21W5/03	11-02-060-21W5	02-060-21W5	60-21W5	Yes	Berland River Woodbend - Listed as Active and Suspended or Abandoned	DAYLIGHT FIR 11-2-60-21	Flowing GAS	Daylight Enrg Ltd
10	100/16-27-058-20W5/02	16-27-058-20W5	27-058-20W5	58-20W5	Yes	Berland River Woodbend - Listed as Active and Suspended or Abandoned	DAYLIGHT PINE 16-27-58-20	Flowing GAS	Daylight Enrg Ltd
27	100/14-23-062-20W5/02	14-23-062-20W5	23-062-20W5	62-20W5	Yes	Smoke Lake Beaverhill - Listed as Active and Suspended or Abandoned	HUSKY KAYBOBS 14-23-62-20	Flowing GAS	Husky Oil Oprtns Ltd
12	100/07-13-060-19W5/03	07-13-060-19W5	13-060-19W5	60-19W5	Yes	Smoke Lake Beaverhill - Listed as Active and Suspended or Abandoned	AMOCO KAYBOBS 7-13BL-60-19	Flowing GAS	Orleans Enrg Ltd

TABLE 2. PROSPECTIVE WELLS FOR SAMPLING - ORDERED BY OPERATOR

No	Well_ID_Long	Well_ID_Short	Section	Twp-Range	On 1st Li_Property	Target	Well_Name	Current_Status	Current_Operator
28	102/09-22-062-20W5/02	09-22-062-20W5	22-062-20W5	62-20W5	Yes	Smoke Lake Beaverhill - Listed as Active and Suspended or Abandoned	SECURE KAYBOBS 9-22-62-20	Drilled & Cased	Secure Enrg Srvcs Inc
23	102/11-09-061-22W5/03	11-09-061-22W5	09-061-22W5	61-22W5	Yes	Berland River Woodbend - Listed as Active and Suspended or Abandoned	TALISMAN BIGSTONE 11-9-61-22	Flowing GAS	Talisman Enrg Inc
13	100/07-25-060-19W5/02	07-25-060-19W5	25-060-19W5	60-19W5	Yes	Smoke Lake Beaverhill - Listed as Active and Suspended or Abandoned	BP CDN-SUP KAYBOBS 7-25-60-19	Pumping Gas	Talisman Enrg Inc
17	100/07-13-061-18W5/02	07-13-061-18W5	13-061-18W5	61-18W5	Yes	Raspberry Lake Woodbend - Listed as Active and Suspended or Abandoned	TRILOGY FOXCK 7-13-61-18	Flowing GAS	Trilogy Enrg Ltd
24	100/07-14-062-18W5/02	07-14-062-18W5	14-062-18W5	62-18W5	Yes	Raspberry Lake Woodbend - Listed as Active and Suspended or Abandoned	TRILOGY ET AL FOX CREEK 7-14-62-18	Drilled & Cased	Trilogy Enrg Ltd
25	100/11-14-062-18W5/02	11-14-062-18W5	14-062-18W5	62-18W5	Yes	Raspberry Lake Woodbend - Listed as Active and Suspended or Abandoned	TRILOGY FOXCK 11-14-62-18	Flowing GAS	Trilogy Enrg Ltd
19	100/07-01-069-22W5/04	07-01-069-22W5	01-069-22W5	69-22W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CHARIOT STURLS 7-1-69-22	Drilled & Cased	Barrick Enrg Inc
20	100/09-01-069-22W5/02	09-01-069-22W5	01-069-22W5	69-22W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CHARIOT STURLS 9-1-69-22	Pumping OIL	Barrick Enrg Inc
21	100/16-01-069-22W5/02	16-01-069-22W5	01-069-22W5	69-22W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CHARIOT STURLS 16-1-69-22	Pumping OIL	Barrick Enrg Inc
16	100/13-03-069-21W5/02	13-03-069-21W5	03-069-21W5	69-21W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CHARIOT STURLS 13-3-69-21	Pumping OIL	Barrick Enrg Inc
14	100/06-05-069-21W5/04	06-05-069-21W5	05-069-21W5	69-21W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CHARIOT REN STURLS 6-5-69-21	Pumping OIL	Barrick Enrg Inc
18	105/07-05-069-21W5/00	07-05-069-21W5	05-069-21W5	69-21W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CHARIOT STURLS 7-5-69-21	Pumping OIL	Barrick Enrg Inc
17	102/10-05-069-21W5/03	10-05-069-21W5	05-069-21W5	69-21W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CHARIOT STURLS 10-5-69-21	Pumping OIL	Barrick Enrg Inc
13	100/04-07-069-21W5/03	04-07-069-21W5	07-069-21W5	69-21W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CHARIOT STURLS 4-7-69-21	Drilled & Cased	Barrick Enrg Inc
15	100/08-09-069-21W5/02	08-09-069-21W5	09-069-21W5	69-21W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CHARIOT STURLS 8-9-69-21	Flowing OIL	Barrick Enrg Inc
22	100/01-12-069-22W5/02	01-12-069-22W5	12-069-22W5	69-22W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CHARIOT STURLS 1-12-69-22	Drilled & Cased	Barrick Enrg Inc
23	100/02-12-069-22W5/02	02-12-069-22W5	12-069-22W5	69-22W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CHARIOT STURLS 2-12-69-22	Pumping OIL	Barrick Enrg Inc
26	103/05-12-069-22W5/05	05-12-069-22W5	12-069-22W5	69-22W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CADENCE ACQ STURLKS 5-12-69-22	Flowing GAS	Barrick Enrg Inc
27	102/05-12-069-22W5/05	05-12-069-22W5	12-069-22W5	69-22W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	DAYLIGHT ET AL STURLS 5-12-69-22	Flowing OIL	Barrick Enrg Inc
24	100/06-12-069-22W5/03	06-12-069-22W5	12-069-22W5	69-22W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CADENCE ACQ STURLKS 6-12-69-22	Flowing OIL	Barrick Enrg Inc
25	100/07-12-069-22W5/02	07-12-069-22W5	12-069-22W5	69-22W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CHARIOT STURLS 7-12-69-22	Pumping OIL	Barrick Enrg Inc
28	100/07-20-069-22W5/02	07-20-069-22W5	20-069-22W5	69-22W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CADENCE ACQ STURLKS 7-20-69-22	Drilled & Cased	Barrick Enrg Inc
6	100/09-23-068-22W5/02	09-23-068-22W5	23-068-22W5	68-22W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CHARIOT STURLS 9-23-68-22	Pumping OIL	Barrick Enrg Inc
8	100/13-24-068-22W5/02	13-24-068-22W5	24-068-22W5	68-22W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CHARIOT STURLS 13-24-68-22	Flowing OIL	Barrick Enrg Inc
9	100/15-24-068-22W5/02	15-24-068-22W5	24-068-22W5	68-22W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CHARIOT STURLS 15-24-68-22	Pumping OIL	Barrick Enrg Inc
4	100/02-25-068-22W5/03	02-25-068-22W5	25-068-22W5	68-22W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CHARIOT STURLS 2-25-68-22	Flowing GAS	Barrick Enrg Inc
5	100/03-25-068-22W5/03	03-25-068-22W5	25-068-22W5	68-22W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CHARIOT STURLS 3-25-68-22	Flowing OIL	Barrick Enrg Inc
7	100/11-25-068-22W5/02	11-25-068-22W5	25-068-22W5	68-22W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CHARIOT STURLS 11-25-68-22	Pumping OIL	Barrick Enrg Inc
10	100/15-25-068-22W5/02	15-25-068-22W5	25-068-22W5	68-22W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	POCO STURLS 15-25-68-22	Flowing GAS	Barrick Enrg Inc
1	100/01-31-068-21W5/02	01-31-068-21W5	31-068-21W5	68-21W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CHARIOT STURLS 1-31-68-21	Flowing OIL	Barrick Enrg Inc
2	100/09-31-068-21W5/02	09-31-068-21W5	31-068-21W5	68-21W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CHARIOT STURLS 9-31-68-21	Drilled & Cased	Barrick Enrg Inc
3	100/14-31-068-21W5/02	14-31-068-21W5	31-068-21W5	68-21W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CHARIOT STURLS 14-31-68-21	Flowing GAS	Barrick Enrg Inc
11	100/15-35-068-22W5/02	15-35-068-22W5	35-068-22W5	68-22W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	CADENCE ACQ STURLKS 15-35-68-22	Drilled & Cased	Barrick Enrg Inc
12	102/14-14-068-22W5/02	14-14-068-22W5	14-068-22W5	68-22W5	Yes	Valleyview North - Listed as Active and Suspended or Abandoned	SIGNALTA STURLKS 14-14-68-22	Flowing OIL	Signalta Rsrcs Lmtd
Possible Alternative Holes For Sampling									
22	100/01-22-062-20W5/00	01-22-062-20W5	22-062-20W5	62-20W5	Yes	Active Well - Possible Alternate for Sampling	AURIGA ENERGY KAYBOBS 1-22-62-20	Observation Well	Auriga Enrg Inc
16	100/07-30-061-19W5/00	07-30-061-19W5	30-061-19W5	61-19W5	Yes	Active Well - Possible Alternate for Sampling	AURIGA ENERGY KAYBOBS 7-30-61-19	Observation Well	Auriga Enrg Inc
24	100/07-26-069-23W5/00	07-26-069-23W5	26-069-23W5	69-23W5	Yes	Active Well - Possible Alternate for Sampling	CADENCE ACQ STURLKS 7-26-69-23	Pumping OIL	Barrick Enrg Inc
25	100/10-34-069-23W5/00	10-34-069-23W5	34-069-23W5	69-23W5	Yes	Active Well - Possible Alternate for Sampling	CADENCE ACQ STURLKS 10-34-69-23	Flowing OIL	Barrick Enrg Inc
4	100/11-11-057-20W5/00	11-11-057-20W5	11-057-20W5	57-20W5	Yes	Active Well - Possible Alternate for Sampling	AMOCO HB FINA FIR 11-11-57-20	Pumping Gas	BP Cda Enrg Comp
6	100/05-11-058-21W5/00	05-11-058-21W5	11-058-21W5	58-21W5	Yes	Active Well - Possible Alternate for Sampling	CANHUNTER PCP FIR 5-11-58-21	Pumping Gas	BP Cda Enrg Comp
1	100/16-19-057-19W5/00	16-19-057-19W5	19-057-19W5	57-19W5	Yes	Active Well - Possible Alternate for Sampling	AMOCO PINE 16-19-57-19	Pumping Gas	BP Cda Enrg Comp
11	100/16-20-059-21W5/00	16-20-059-21W5	20-059-21W5	59-21W5	Yes	Active Well - Possible Alternate for Sampling	AMOCO ET AL L-1 FIR 16-20-59-21	Flowing GAS	BP Cda Enrg Comp
14	100/11-25-060-20W5/00	11-25-060-20W5	25-060-20W5	60-20W5	Yes	Active Well - Possible Alternate for Sampling	PERL ET AL PASS 11-25-60-20	Pumping Gas	BP Cda Enrg Comp
10	100/11-27-059-19W5/00	11-27-059-19W5	27-059-19W5	59-19W5	Yes	Active Well - Possible Alternate for Sampling	AMOCO PRESLEY 11-27-59-19	Pumping Gas	BP Cda Enrg Comp
23	100/06-31-062-21W5/00	06-31-062-21W5	31-062-21W5	62-21W5	Yes	Active Well - Possible Alternate for Sampling	AMOCO KAYBOBS 6-31-62-21	Drilled & Cased	BP Cda Enrg Comp
13	100/07-33-060-19W5/00	07-33-060-19W5	33-060-19W5	60-19W5	Yes	Active Well - Possible Alternate for Sampling	AMOCO KAYBOBS 7-33-60-19	Pumping Gas	BP Cda Enrg Comp
7	100/06-36-058-21W5/00	06-36-058-21W5	36-058-21W5	58-21W5	Yes	Active Well - Possible Alternate for Sampling	AMOCO ET AL FIR 6-36-58-21	Pumping Gas	BP Cda Enrg Comp
12	100/06-08-060-19W5/00	06-08-060-19W5	08-060-19W5	60-19W5	Yes	Active Well - Possible Alternate for Sampling	CNRL KAYBOBS 6-8-60-19	Flowing GAS	Cdn Nat Rsrcs Lmtd
17	100/10-13-061-20W5/00	10-13-061-20W5	13-061-20W5	61-20W5	Yes	Active Well - Possible Alternate for Sampling	CNRL KAYBOBS 10-13-61-20	Pumping Gas	Cdn Nat Rsrcs Lmtd
9	100/13-23-058-21W5/00	13-23-058-21W5	23-058-21W5	58-21W5	Yes	Active Well - Possible Alternate for Sampling	PAM FIR 13-23-58-21	Pumping OIL	Colonia Corp
2	102/16-19-057-19W5/00	16-19-057-19W5	19-057-19W5	57-19W5	Yes	Active Well - Possible Alternate for Sampling	CANHUNTER 102 PINE CREEK 16-19-57-19	Pumping Gas	ConocoPhillips Cda (BRC)
8	100/07-23-058-21W5/00	07-23-058-21W5	23-058-21W5	58-21W5	Yes	Active Well - Possible Alternate for Sampling	CANHUNTER FIR 7-23-58-21	Flowing GAS	ConocoPhillips Cda (BRC)
18	100/10-21-061-20W5/00	10-21-061-20W5	21-061-20W5	61-20W5	Yes	Active Well - Possible Alternate for Sampling	DAYLIGHT KAYBOBS 10-21-61-20	Flowing GAS	Daylight Enrg Ltd
5	100/06-14-057-21W5/00	06-14-057-21W5	14-057-21W5	57-21W5	Yes	Active Well - Possible Alternate for Sampling	AMOCO ET AL FIR 6-14-57-21	Pumping Gas	Exxonmobil Cda & Rsrcs
3	100/03-20-057-20W5/00	03-20-057-20W5	20-057-20W5	57-20W5	Yes	Active Well - Possible Alternate for Sampling	EMC PINE CREEK 3-20-57-20	Drilled & Cased	Exxonmobil Cda & Rsrcs
19	100/07-07-062-18W5/00	07-07-062-18W5	07-062-18W5	62-18W5	Yes	Active Well - Possible Alternate for Sampling	TRILOGY FOXCK 7-7-62-18	Drilled & Cased	Trilogy Enrg Ltd
21	100/10-09-062-18W5/00	10-09-062-18W5	09-062-18W5	62-18W5	Yes	Active Well - Possible Alternate for Sampling	TRILOGY FOX CREEK 10-9-62-18	Flowing GAS	Trilogy Enrg Ltd
15	100/14-24-061-18W5/00	14-24-061-18W5	24-061-18W5	61-18W5	Yes	Active Well - Possible Alternate for Sampling	TRILOGY FOXCK 14-24-61-18	Commingled	Trilogy Enrg Ltd
20	100/09-28-062-18W5/00	09-28-062-18W5	28-062-18W5	62-18W5	Yes	Active Well - Possible Alternate for Sampling	TRILOGY FOX CREEK 9-28-62-18	Pumping Gas	Trilogy Enrg Ltd
Abandoned Holes With Historic Lithium Values Of Interest									
2	100/02-10-058-19W5/00	02-10-058-19W5	10-058-19W5	58-19W5	Yes	Li Well - Suspended or Abandoned	AMOCO PINE 2-10-58-19	Abandoned GAS Zone	BP Cda Enrg Comp
6	100/14-14-060-17W5/00	14-14-060-17W5	14-060-17W5	60-17W5	Yes	Li Well - Suspended or Abandoned	AMOCO HB W WIND 14-14-60-17	Drilled & Abandoned	BP Cda Enrg Comp
1	100/04-26-057-19W5/00	04-26-057-19W5	26-057-19W5	57-19W5	Yes	Li Well - Suspended or Abandoned	AMOCO PINE 4-26-57-19	Abandoned GAS Zone	BP Cda Enrg Comp
9	100/07-27-067-22W5/00	07-27-067-22W5	27-067-22W5	67-22W5	Yes	Li Well - Suspended or Abandoned	RAX LITTLE SMOKY 7-27-67-22	Abandoned OIL	Cdn Nat Rsrcs Lmtd
8	100/10-13-062-18W5/00	10-13-062-18W5	13-062-18W5	62-18W5	Yes	Li Well - Suspended or Abandoned	CELTIC HZ FOXCK 6-13-62-18	Abandoned Whipstock OIL	Celtic Expl Ltd
5	100/07-11-062-23W5/00	07-11-062-23W5	11-062-23W5	62-23W5	Yes	Li Well - Suspended or Abandoned	CHEVRON DEEP VALLEY 7-11-62-23	Drilled & Abandoned	Chevron Cda Lmtd
7	100/07-36-061-18W5/00	07-36-061-18W5	36-061-18W5	61-18W5	Yes	Li Well - Suspended or Abandoned	CHEVRON GULF PASS CREEK 7-36-61-18	Drilled & Abandoned	Chevron Cda Lmtd
3	102/11-36-059-21W5/00	11-36-059-21W5	36-059-21W5	59-21W5	Yes	Li Well - Suspended or Abandoned	DAYLIGHT ET AL HZ FIR 7-36-59-21	Abandoned Whipstock GAS	Daylight Enrg Ltd
4	100/07-31-061-21W5/00	07-31-061-21W5	31-061-21W5	61-21W5	Yes	Li Well - Suspended or Abandoned	MOBIL ICG TONY 7-31-61-21	Drilled & Abandoned	Exxonmobil Cda Ltd

APPENDIX 3

2009 – 2010 Sample Locations, Results and Assay Certificates

AGAT Laboratories

2910 12TH STREET NE
CALGARY, ALBERTA
CANADA T2E 7P7
TEL (403)735-2005
FAX (403)735-2771
http://www.agatlabs.com

CLIENT NAME: MISC. AGAT CLIENT

ATTENTION TO: Craig Naughty

PROJECT NO: Water Samples

AGAT WORK ORDER: 10C410250

WATER ANALYSIS REVIEWED BY: Krystyna Krauze, Analyst

DATE REPORTED: Jun 17, 2010

PAGES (INCLUDING COVER): 4

VERSION*: 1

Should you require any information regarding this analysis please contact your client services representative at (403) 735-2005, or at 1-866-764-7554

*NOTES

All samples will be disposed of within 30 days following analysis. Please contact the lab if you require additional sample storage time.

AGAT Laboratories

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FAX (403)735-2771
http://www.agatlabs.com

Certificate of Analysis

AGAT WORK ORDER: 10C410250

PROJECT NO: Water Samples

CLIENT NAME: MISC. AGAT CLIENT

ATTENTION TO: Craig Naughty

Water Analysis

DATE SAMPLED: Jun 02, 2010 | DATE RECEIVED: Jun 04, 2010 | DATE REPORTED: Jun 17, 2010 | SAMPLE TYPE: Water

Parameter	Unit	G / S	RDL	14-24-060-19W5 1811246	05-25-060-19W5 1811269	RDL	10-35-060-19W5 1811271	RDL	09-34-060-19W5 1811272	11-12-062-18W5 1811274	13-13-062-18W5 1811275
pH			NA	6.1	6.3	NA	6.0	NA	5.8	6.1	6.0
Bromide	mg/L		0.1	*	*	0.1	*	0.1	*	*	*
Total Boron	mg/L		0.5	124	122	0.08	13.8	0.5	96.2	82.7	81.2
Total Lithium	mg/L		0.09	73.5	73.4	0.009	8.98	0.09	58.3	31.5	30.5
Total Magnesium	mg/L		20.0	2200	2200	2.0	255	20.0	1820	870	701
Total Calcium	mg/L		30.0	24300	25200	3.0	2610	30.0	19800	7460	6200
Total Potassium	mg/L		60.0	4880	4980	6.0	587	60.0	4050	2630	2750
Total Sodium	mg/L		60.0	56800	58800	60.0	12100	60.0	46800	23300	22800

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard

1811246-1811275 *Note: Not able to perform analysis due to the matrix interference.

Certified By: [redacted]

AGAT Laboratories

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CALGARY, ALBERTA
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FAX (403)735-2771
http://www.agatlabs.com

Quality Assurance

CLIENT NAME: MISC. AGAT CLIENT

AGAT WORK ORDER: 10C410250

PROJECT NO: Water Samples

ATTENTION TO: Craig Naughty

Water Analysis

RPT Date: Jun 17, 2010			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
Water Analysis															
pH	1324		4.4	4.4	0.0%		100%	90%	110%						
Total Boron	1326		0.24	0.24	0.0%	< 0.02	107%	90%	110%		90%	110%	101%	75%	125%
Total Lithium	1326		0.055	0.055	0.0%	< 0.001	118%	80%	120%		90%	110%	97%	75%	125%
Total Magnesium	1189	911	<0.2	<0.2	0.0%	< 0.2	102%	90%	110%		90%	110%	99%	75%	125%
Total Calcium	1189	911	2.25	2.23	0.8%	< 0.01	101%	90%	110%		90%	110%	98%	75%	125%
Total Potassium	1189	911	<0.6	<0.6	0.0%	< 0.6	102%	90%	110%		90%	110%	102%	75%	125%
Total Sodium	1189	911	288	289	0.2%	< 0.6	101%	90%	110%		90%	110%	100%	75%	125%

Certified By: [redacted]

Results relate only to the items tested

AGAT Laboratories

2910 12TH STREET NE
CALGARY, ALBERTA
CANADA T2E 7P7
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FAX (403)735-2771
http://www.agatlabs.com

Method Summary

CLIENT NAME: MISC. AGAT CLIENT

AGAT WORK ORDER: 10C410250

PROJECT NO: Water Samples

ATTENTION TO: Craig Naughty

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Water Analysis			
pH	INST 0101	SM 4500 H+	PH METER
Bromide	INST 0150	SM 4110 B	ION CHROMATOGRAPH
Total Boron	WATR 0200; INST 0141	SM 3030 E; SM 3125 B	ICP-MS
Total Lithium	WATR 0200; INST 0141	SM 3030 E; SM 3125 B	ICP-MS
Total Magnesium	WATR 0200; INST 0140	SM 3030 E; SM 3120 B	ICP/OES
Total Calcium	WATR 0200; INST 0140	SM 3030 E; SM 3120 B	ICP/OES
Total Potassium	WATR 0200; INST 0140	SM 3030 E; SM 3120 B	ICP/OES
Total Sodium	WATR 0200; INST 0140	SM 3030 E; SM 3120 B	ICP/OES

AGAT Laboratories Limited
2910-12th Street NE
Calgary, Alberta T2E 7P7
http://webearth.agatlabs.com

Phone: 403-735-2005
Fax: 403-735-2771
Toll free: 800-661-7174
environmental.agatlabs.com

Report To:
Company: Celtic / Trilogy
Contact: Les Andrade Celtic Field Foreman
Address: Whitecourt AB
Postal Code:
Phone: 780 779 6407 Fax:
LSD:
Client Project #:

Report Information - reports to be sent to:
1. Name:
Email:
2. Name:
Email:

Report Format
- ☐ Single Sample per page
- ☐ Multiple Samples per page
- ☐ Excel Format Included

RUSH TURNAROUND REQUESTS
Upon filling out this section, client accepts that surcharges will be attached to this analysis. If NOT completed, regular TAT will be default.
- ☐ Less than 24 hours (200%)
- ☐ 24 to 48 hours (100 %)
- ☐ 48 to 72 hours (50%)

DATE REQUIRED:
PLEASE CONTACT LABORATORY TO NOTIFY

LABORATORY USE ONLY
Date and Time: '10 JUN -4 A11 :02
Arrival temperature: 16°C
AGAT Job Number: 10C440250

Bill Invoice To: SAME (Y / N) - circle
Company:
Contact:
Address:
Postal Code:
Phone: Fax:
PO/AFE#:

Regulatory requirements (Check One):
- ☐ CCME
  - ☐ Agricultural
  - ☐ Residential/Park
  - ☐ Commercial
  - ☐ Industrial
  - ☐ Drinking Water
  - ☐ FWAL
- ☐ AB Tier 1
  - ☐ Natural Area
  - ☐ Agricultural
  - ☐ Residential/Park
  - ☐ Commercial
  - ☐ Industrial
- ☐ Other
  - ☐ BC CSR
  - ☐ D50 (Drilling)
  - ☐ SPIGEC

Laboratory Use (Lab ID #)	Sample Identification	Sample Matrix	Date/Time Sampled	Comments- Site/ Sample Info. Sample Containment	# OF CONTAINERS	Detailed Soil Salinity (Sat. Paste)	CCME BTEX/F1-F4	Metals (Check Guideline)	Routine Water Potability	AB Class 2 Landfill	BC Landfill (Specify:)	D50 Detailed Soil Salinity (As received)	Microtox	total metals	cation				HOLD FOR 1 YEAR	CONTAMINATED/HAZARDOUS (Y/N)
1811246	14-24-60-19 w5		June 2 2010		2															Y
269	5-25-60-19 w5		June 2 2010		2															Y
271	10-35-60-19 w5		June 2 2010		2															X
272	9-34-60-19 w5		June 2 2010		2															Y
274	11-12-62-18 w5		June 2 2010		2															Y
275	13-13-62-18 w5		June 2 2010		2															Y
276	12-35-61-18 w5		June 2 2010		2															Y
	14-24-61-18 Trilogy will provide sample																			
	6-1-62-18 no sample (shut in)																			
	15-23-62-18 no sample (shut in)																			
	6-25-62-18 no sample (shut in)																			
	6-13-62-18 no sample (shut in)																			

Lithium
Magnesium } total
Bromine
Calcium
Sodium
Potassium
Boron - total

PH

Samples Relinquished By (print name & sign)	Date/Time	Samples Received By (print name & sign)	Date/Time
Samples Relinquished By (print name & sign)	Date/Time	Samples Received By (print name & sign)	Date/Time
Samples Relinquished By (print name & sign)	Date/Time	Samples Received By (print name & sign)	Date/Time

Yellow Copy - AGAT
White Copy - AGAT

NO: 0115596

AGAT Laboratories

SAMPLE INTEGRITY RECEIPT FORM Work order # 10C440247

RECEIVING BASICS:
*Complete CoC as well where required
Date and Time: June 4/10 11 02
Courier: DHL
Received by: Rachel
Relinquished by:
Company: Celtic
Consultant: Trilogy
Client left without count verified:

COC INFORMATION:
Received: (Yes) No Emailed to PM
Completed in full: Yes No If NO, why: No analysis on COC
TURNAROUND TIME: Reg
COC Numbers: 0115596

SAMPLE QUANTITIES:
Coolers: 1 Bottles/Jars: 14 Bags: 0

TIME SENSITIVE ISSUES:
Earliest Date Sampled: June 2/10
Microbiology: Test: NC
Hydrocarbons: Test: NC
Samples are received >5 days after sampling: Yes (No)

ALREADY EXCEEDED? Yes (No)
Expiry:
Expiry:

SPECIALTY ISSUES:
Legal Samples: Yes (No)
International Samples: Yes (No)
**Proper tape/labels applied: Yes No

Hazardous Samples:
Why hazardous: very strong smell
Precaution taken:

SAMPLE REQUIREMENTS:
*Complete while logging in by login staff.
Correct bottles used for testing: (Yes) No
If No, explain:
Correct amount of sample for analysis: (Yes) No
If No, explain:
Are all samples labeled correctly: (Yes) No
If No, explain:

NON-CONFORMANCES:
3 temperatures of samples* and average of each cooler: (record differing temperatures on the CoC next to sample ID's)
(1) 16+16+16 = 16°C (2) __+__+__=__°C (3) __+__+__=__°C (4) __+__+__=__°C
*Jars used when available

Additional integrity issues (note here and on CoC next to the sample ID):
1)
2)
3)

Account Project Manager: Have they been notified of the above issues: Yes No
Whom spoken to: Date and Time:

ADDITIONAL NOTES:

SR-50-9500.001
November 2, 2009

Page 1 of 1

AGAT Laboratories

2910 12TH STREET NE
CALGARY, ALBERTA
CANADA T2E 7P7
TEL (403)735-2005
FAX (403)735-2771
http://www.agatlabs.com

CLIENT NAME: MISC. AGAT CLIENT

ATTENTION TO: Craig Naughty

PROJECT NO: Brine Samples

AGAT WORK ORDER: 10C403055

WATER ANALYSIS REVIEWED BY: Loan Nguyen, Analyst

DATE REPORTED: May 21, 2010

PAGES (INCLUDING COVER): 4

VERSION*: 1

Should you require any information regarding this analysis please contact your client services representative at (403) 735-2005, or at 1-866-764-7554

*NOTES

All samples will be disposed of within 30 days following analysis. Please contact the lab if you require additional sample storage time.

AGAT Laboratories

2910 12TH STREET NE
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TEL (403)735-2005
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http://www.agatlabs.com

Certificate of Analysis

AGAT WORK ORDER: 10C403055

PROJECT NO: Brine Samples

CLIENT NAME: MISC. AGAT CLIENT

ATTENTION TO: Craig Naughty

Water Analysis

DATE SAMPLED: May 06, 2010 | DATE RECEIVED: May 07, 2010 | DATE REPORTED: May 21, 2010 | SAMPLE TYPE: Water

Parameter	Unit	G / S	RDL	Sample 1/1A 06-19-059-20 1755988	RDL	Sample 2/2A 07-05-060-14 1755989
Bromide	mg/L		4.0	962	4.0	1360
Dissolved Calcium	mg/L		300	24400	300	17300
Dissolved Potassium	mg/L		600	5870	600	6390
Dissolved Sodium	mg/L		600	59100	600	60300
Total Boron	mg/L		0.40	200	4.00	329
Total Lithium	mg/L		0.500	93.2	0.500	88.6
Total Magnesium	mg/L		2.0	2450	2.0	1760

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard

Certified By:

AGAT Laboratories

2910 12TH STREET NE
CALGARY, ALBERTA
CANADA T2E 7P7
TEL (403)735-2005
FAX (403)735-2771
http://www.agatlabs.com

Quality Assurance

CLIENT NAME: MISC. AGAT CLIENT

AGAT WORK ORDER: 10C403055

PROJECT NO: Brine Samples

ATTENTION TO: Craig Naughty

Water Analysis

RPT Date: May 21, 2010			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
Water Analysis															
Bromide	640	422	< 0.1	< 0.1	0.0%	< 0.1	101%	90%	110%				97%	90%	110%
Dissolved Calcium	1162				0.4%	< 0.3	101%	90%	110%				100%	75%	125%
Dissolved Potassium	1162				0.5%	< 0.6	101%	90%	110%				102%	75%	125%
Dissolved Sodium	1162				0.1%	< 0.6	100%	90%	110%				102%	75%	125%
Total Boron	1310	177115	0.35	0.34	2.9%	< 0.02	84%	80%	120%				101%	75%	125%
Total Lithium	1310	177115	0.0587	0.058	1.2%	< 0.001	109%	90%	110%				101%	75%	125%
Total Magnesium	6592				12.4%	< 0.2	97%	90%	110%				100%	75%	125%

Certified By: LN

AGAT Laboratories

2910 12TH STREET NE
CALGARY, ALBERTA
CANADA T2E 7P7
TEL (403)735-2005
FAX (403)735-2771
http://www.agatlabs.com

Method Summary

CLIENT NAME: MISC. AGAT CLIENT

AGAT WORK ORDER: 10C403055

PROJECT NO: Brine Samples

ATTENTION TO: Craig Naughty

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Water Analysis			
Bromide	SPE 0701	EPA 320.1	TITRATION
Dissolved Calcium	INS 0103	SM 3120 B	ICP/OES
Dissolved Potassium	INS 0103	SM 3120 B	ICP/OES
Dissolved Sodium	INS 0103	SM 3120 B	ICP/OES
Total Boron	INS 0103	EPA SW 846-6010B, SM 3030E	ICP-MS
Total Lithium	INS 0103	EPA SW 846-6010B, SM 3030E	ICP-MS
Total Magnesium	INS 0103	EPA SW 846-6010B, SM 3030E	ICP/OES

Cool - Temperature N Inc Acid

AGAT Laboratories

2910 - 12th Street NE
Calgary, AB, T2E 7P7
Phone: 403-735-2005
Fax: 403-735-2771
Toll free: 800-661-7174
environmental.agatlabs.com

CHAIN OF CUSTODY RECORD

LABORATORY USE ONLY
Arrival Condition: ☑ Good ☐ Poor (complete "notes")
Arrival Temperature: 14.0c AGAT Job Number: 10C40[illegible]
Notes:

Report To:
Company: FIRST LITHIUM RESOURCES
Contact: CRAIG NAUGHTY
Address: 1302-788 RICHARDS ST.
Postal Code: V6B 0C7
Phone: 604 764 7261 Fax: 604 669 0414
LSD:
Client Project #:

Report Information - reports to be sent to:
1. Name: CRAIG NAUGHTY
Email: CRAIGNAUGHTY@HOTMAIL.COM
2. Name:
Email:

Report Format
☐ Single Sample per page
☑ Multiple Samples per page
☐ Excel Format Included

RUSH TURNAROUND REQUESTS
Upon filling out this section, client accepts that surcharges will be attached to this analysis. If NOT completed, regular TAT will be default.
☐ Less than 24 hours
☐ 24 to 48 hours
☐ 48 to 72 hours
DATE/TIME REQUIRED:
PLEASE CONTACT LABORATORY TO NOTIFY

Bill Invoice To: SAME Y ☑ N ☐
Company:
Contact:
Email:
Address:
Postal Code:
Phone: Fax:
PO/AFE#:

Regulatory Requirements (Check One)
CCME
☐ Agriculture
☐ Residential/Park
☐ Commercial
☐ Industrial
☐ Drinking Water
☐ FWAL
☐ AB Tier 1
☐ Natural Area
☐ Agriculture
☐ Residential/Park
☐ Commercial
☐ Industrial
☐ Other
☐ BC CSR
☐ D50 (Drilling)
☐ SPIGEC

Laboratory Use (Lab ID#)	Sample Identification (WELL #)	Sample Matrix	Date/Time Sampled	Comments-Site/Sample Info. Sample Containment	Lithium, Magnesium (4 tot)	Bromine, Calcium, Sodium, potassium	Boron (4 tot)	HOLD FOR 1 YEAR	CONTAMINATED/HAZARDOUS (y/n)
1154158	6-19-59-20		May 6/10	Sample 1 and 1A	✓	✓	✓		
159	7-5-60-14			Sample 2 and 2A	✓	✓	✓		

10 MAY -7 AM 8:3[illegible]

Sample Relinquished By (print name & Sign): B.H Small [redacted] Date/Time: May 6/10
Sample Relinquished By (print name & Sign): Date/Time:
Sample Relinquished By (print name & Sign): Date/Time:
Sample Relinquished By (print name & Sign): Date/Time:
Sample Relinquished By (print name & Sign): Date/Time:
Sample Relinquished By (print name & Sign): Date/Time:

Page ___ of ___
NO:

[redacted] 07/May/10 11:53

E 05050

AGAT Laboratories

SAMPLE INTEGRITY RECEIPT FORM Work order # 10C 403055

RECEIVING BASICS:
*Complete CoC as well where required
Date and Time: 07/May/10 11:55
Courier: DHL (3059)
Received by: Hamid
Relinquished by: Bill
Company: First Lithium Resources
Consultant: Same
Client left without count verified: NA

COC INFORMATION:
Received: (Yes) No Emailed to PM
Completed in full: (Yes) No If NO, why:
TURNAROUND TIME: Regular
COC Numbers: E05059

SAMPLE QUANTITIES:
Coolers: 1 Bottles/Jars: 4 Bags: 0

TIME SENSITIVE ISSUES:
Earliest Date Sampled: 06/May/10
Microbiology: Test:
Hydrocarbons: Test:
Samples are received >5 days after sampling: Yes (No)

ALREADY EXCEEDED? Yes (No)
Expiry:
Expiry:

SPECIALTY ISSUES:
Legal Samples: Yes (No)
International Samples: Yes (No)
**Proper tape/labels applied: Yes No

Hazardous Samples:
Why hazardous:
Precaution taken:

SAMPLE REQUIREMENTS:
*Complete while logging in by login staff.
Correct bottles used for testing: (Yes) No
If No, explain:
Correct amount of sample for analysis: (Yes) No
If No, explain:
Are all samples labeled correctly: (Yes) No
If No, explain:

NON-CONFORMANCES:
3 temperatures of samples* and average of each cooler: (record differing temperatures on the CoC next to sample ID's)
(1) 14 + 14 + 14 = 14 °C (2) ___ + ___ + ___ = ___ °C (3) ___ + ___ + ___ = ___ °C (4) ___ + ___ + ___ = ___ °C
*Jars used when available

Additional integrity issues (note here and on CoC next to the sample ID):
1)
2)
3)

Account Project Manager: Have they been notified of the above issues: Yes No
Whom spoken to: Date and Time:

ADDITIONAL NOTES:

SR-50-9500.001
November 2, 2009

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APPENDIX 4

2009 – 2010 Exploration Expenditures

APPENDIX 4. First Lithium Resources Inc.
Fox Creek Lithium Property - Exploration Expenditures 2009 - 2010 By Category

No.	ITEM			2009 Compilation	2010 Field Sampling & Met Work	TOTAL
1. First Lithium Detailed Costs - 2009 - 2010		**Days**	**Rate**			
	Field & Management Costs - First Lihtium	25	$500.00		$12,500.00	
	Field Costs Sampling - Total Enerflex Services	4	$2,500.00		$10,000.00	
	Field & Office Costs Sampling & Geological - APEX Geoscience Ltd			$5,164.89		
	Field & Office Costs Geology - Dahrouge Geological Ltd.			$1,543.01		
	Field Costs - Airfare,Travel & Miscellaneous			$254.29		
	Analytical Costs					
	AGAT Laboratories				$3,144.00	
	IBC Advanced Technologies Inc.				$2,000.00	
	TOTAL FIRST LITHIUM 2009 - 2010 COSTS			**$6,962.19**	**$27,644.00**	**$34,606.19**
2. Allowable Administration Costs						
	10% Allowable Administration Cost			$3,460.62		
	TOTAL 2009-2010 FOX CREEK ASSESSMENT EXPENSE					**$38,066.81**