# GM 68241

REPORT 2009 DIAMOND DRILLING AND 2009-2010 CHANNEL SAMPLING PROGRAMS, JAMES BAY LITHIUM PROPERTY

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# REPORT 2009 DIAMOND DRILLING & 2009-2010 CHANNEL SAMPLING PROGRAMS JAMES-BAY LITHIUM PROPERTY (33C/03) JAMES BAY for GALAXY RESOURCES LTD.



**2011**

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# INTRODUCTION

Discovered in the 1960's by prospector Jean Cyr, the James Bay Lithium property had been explored intensively in the '70s by the SDBJ, at a time when the James Bay road was constructed. The property is located in the west-central part of township #2312, which lies in the James Bay Territory (NTS map 33C/03). The James Bay road linking Matagami to Radisson actually crosses the James Bay Lithium property at km 381. Considered one of the largest undeveloped hard rock resource of lithium by some, the Company's interest for this property lies in the numerous (15 or more) roughly parallel dyke swarms which all have a significant spodumene content. Each swarm consists from one to seven individual dykes of 2 meters or more in true width. Past exploration on the property consisted of mapping the spodumene bearing dykes; drilling 277 small percussion holes to recover material for mineral processing tests, with diamond drilling limited to 3 holes and 388m of core.

**Figure 1.** Aerial view of the James Bay Lithium property: from Dyke 5 (lower right corner) to Dyke 15 (far upper left corner).

## OBJECTIVE

Lithium One Inc.(TSXV:LI), formerly known as Coniagas Resources Limited (TSXV: CNY) entered into an option agreement on March 29, 2008, with five arm's length parties, including La Société de Développement de La Baie James (SDBJ) to acquire a 100% interest in the Cyr Lithium Property located in Northwestern Québec. Under the agreement, Lithium One will earn in 100% interest in the property through a shares issue in exchange for exploratory work to be done on the property within a period of three years. This obligation has been fulfilled and the company now owns the property, with various royalties having ben returned to each optionee. Since then, Galaxy Resources of Australia has acquired all of Lithium One's interest; and as such, becomes the new owner of the property. The exploration program described in this report consists of an extensive diamond drilling program together with two surface channeling programs all aimed at building a substantial ore resource volume.

## LOCATION

The James Bay Lithium property is located 1150 road miles from Montreal and 1030 road miles from Québec City. Matagami is 381km due south, a 4 hours drive from the property, while Chibougamau is 512 km to the south-east, a 6 hours drive via the "Route du Nord". The Relais Routier 381 (about 500m from the property) is an SDBJ owned & operated establishment, catering services such as room & board, fuel, electricity and telephone by prepaid card (Telebec). There is no internet service provided on site for visitors. On the property the topography is flat and much of it is covered by "muskeg". Outcrops are relatively common in the area and they usually correspond to mounds or ridges of spodumene bearing dykes rising up to 30m above the surrounding plain.

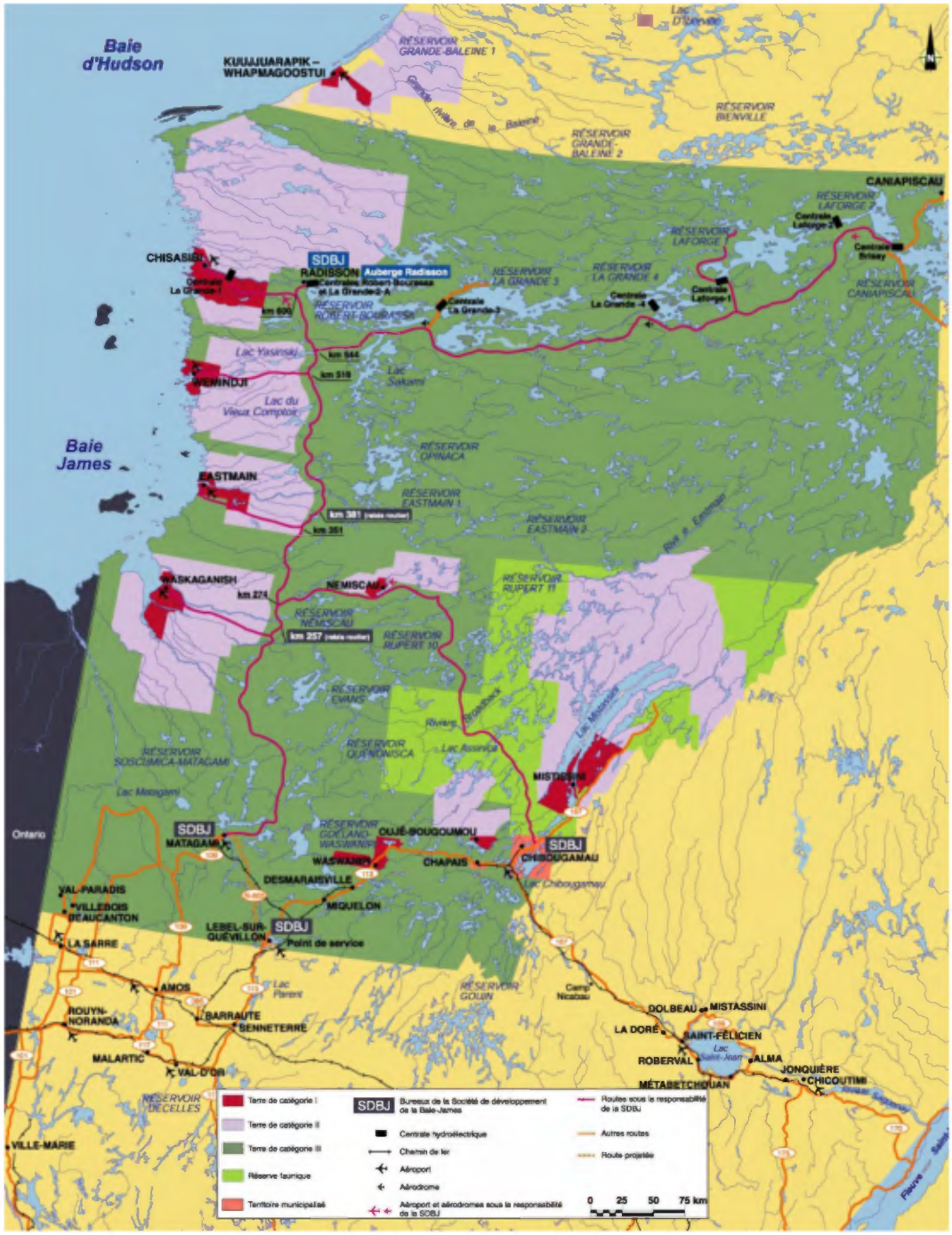


**Figure 2.** Location of Km 381 (James Bay Lithium): courtesy of the SDBJ.

# CLAIMS

Since 2008, the James Bay-Lithium increased in size from a 216 (ha) property to 1822.5 (ha) with the addition of two additional options agreements and the map-staking of 7 claims parcels by Lithium One. All these claims are contiguous and are located in (NTS map 33C/03). As of April 21st, 2011, all the options have been exercised. The claims are listed in Table 1 below. The company has added 2 claims located 400m SW of the property in 2011.

The separate options can be seen in figure 3. In addition: 195 claims, known as the Ekomiak VI property, had been optioned from Dianor in 2009. They will not be listed nor reported here since no work has been done by either Lithium One or Galaxy Resources on those claims yet.

**Table 1. List of claims by option**

**Option 1: CYR-SDBJ**

Date of option: March 29th, 09

Date exercised: February 8th, 11

| Claim # | Area (hc) | Claim # | Area (hc) |
|---|---|---|---|
| CL5132116 | 14.91 | CL5132123 | 14.66 |
| CL5132117 | 15.38 | CL5132125 | 14.14 |
| CL5132118 | 15.99 | CL5132142 | 16.07 |
| CL5132119 | 13.85 | CL5132144 | 16.55 |
| CL5132120 | 15.20 | CL5132146 | 16.30 |
| CL5132121 | 15.92 | CL5132147 | 15.65 |
| CL5132122 | 14.64 | CL5132148 | 17.15 |
| total: | | ∑ 14 claims | ∑ 216.41(hc) |

**Option 2: Ressources d'Arianne**

Date of option: June 9th, 09

Date exercised: April 13th, 11

| Claim # | Area (hc) | Claim # | Area (hc) |
|---|---|---|---|
| CDC2126850 | 52.78 | CDC2126870 | 52.76 |
| CDC2126851 | 52.78 | CDC2126871 | 52.76 |
| CDC2126852 | 52.78 | CDC2126872 | 52.76 |
| CDC2126857 | 52.77 | CDC2126873 | 52.76 |
| CDC2126858 | 52.77 | CDC2126986 | 49.98 |
| CDC2126859 | 52.77 | CDC2126988 | 45.88 |
| CDC2126860 | 52.77 | CDC2126989 | 47.39 |
| CDC2126861 | 52.77 | CDC2126990 | 51.91 |
| CDC2126862 | 52.77 | *CDC2126853* | 52.78 |
| CDC2126863 | 52.77 | *CDC2126854* | 52.78 |
| CDC2126864 | 52.77 | *CDC2126865* | 52.77 |
| CDC2126868 | 52.76 | *CDC2126866* | 52.77 |
| CDC2126869 | 52.76 | | |
| total: | | ∑ 25 claims | ∑ 1303.32 (hc) |

The last four claims (italics) of this option are for lithium rights only.

**Option 3: Frigon & Robert**

Date of option: August 4th, 09

Date exercised: April 21st, 11

| Claim # | Area (hc) |
|---|---|
| CL5144671 | 20.38 |
| CL5152193 | 17.96 |
| CL5186441 | 18.12 |
| CL5186442 | 17.19 |
| CDC2238478 | 5.75 |
| CDC2238480 | 7.54 |
| *∑ 6 claims | ∑ 86.94 (hc) |

*The original size of the option was 92.66 ha. When claim 5152194 expired; CDC's 2238478 and 2238480 were created: 2.59 ha were added to CDC2183508 owned by Lithium One and 3.13 ha added to CDC2126989 owned by Ressources d'Arianne.

Options 1 and 3 consisted of old 16 hc size claims (CL); whereas all the claims of option 2 were map-staked CDC's. This left numerous parcels of ground open and staked by Lithium One. These claims parcels are listed below:

**Claims Map-staked by LITHIUM ONE**

| Claim # | Area (hc) |
|---|---|
| CDC 2183503 | 22.41 |
| CDC 2183504 | 3.55 |
| CDC 2183505 | 18.51 |
| CDC 2183506 | 36.08 |
| CDC 2183507 | 0.33 |
| CDC 2183508 | 27.53 |
| CDC 2192842 | 1.83 |
| CDC 2298178 | 52.79 |
| CDC 2298179 | 52.79 |
| ∑ 9 claims | 215.82 |

Following the exercise of the options by Lithium One, the new outlook of tenement ownership appeared as figure 4, until February the 9th 2012. On that date, all CL-claims were converted to map-stakable CDCs as part of the MRNF's proposition of November 2011. From this conversion, 18 former Cls were converted to 13 CDC, while retaining the same size (hectares). Thus, from now on the official property claims map is as indicated on figure 5 and 6 below:

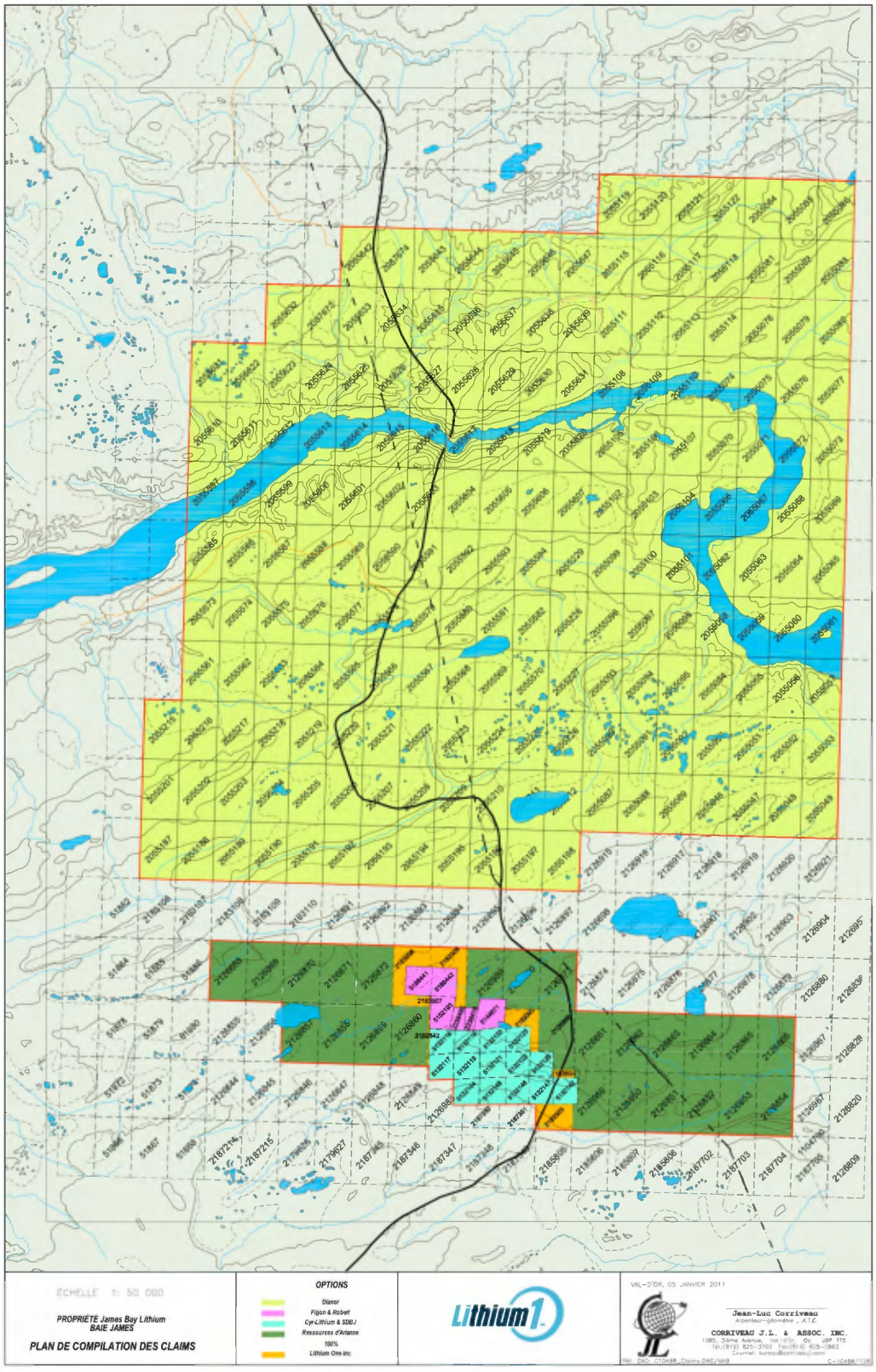


**Figure 3.** Claims map of Lithium One's James-Bay options.

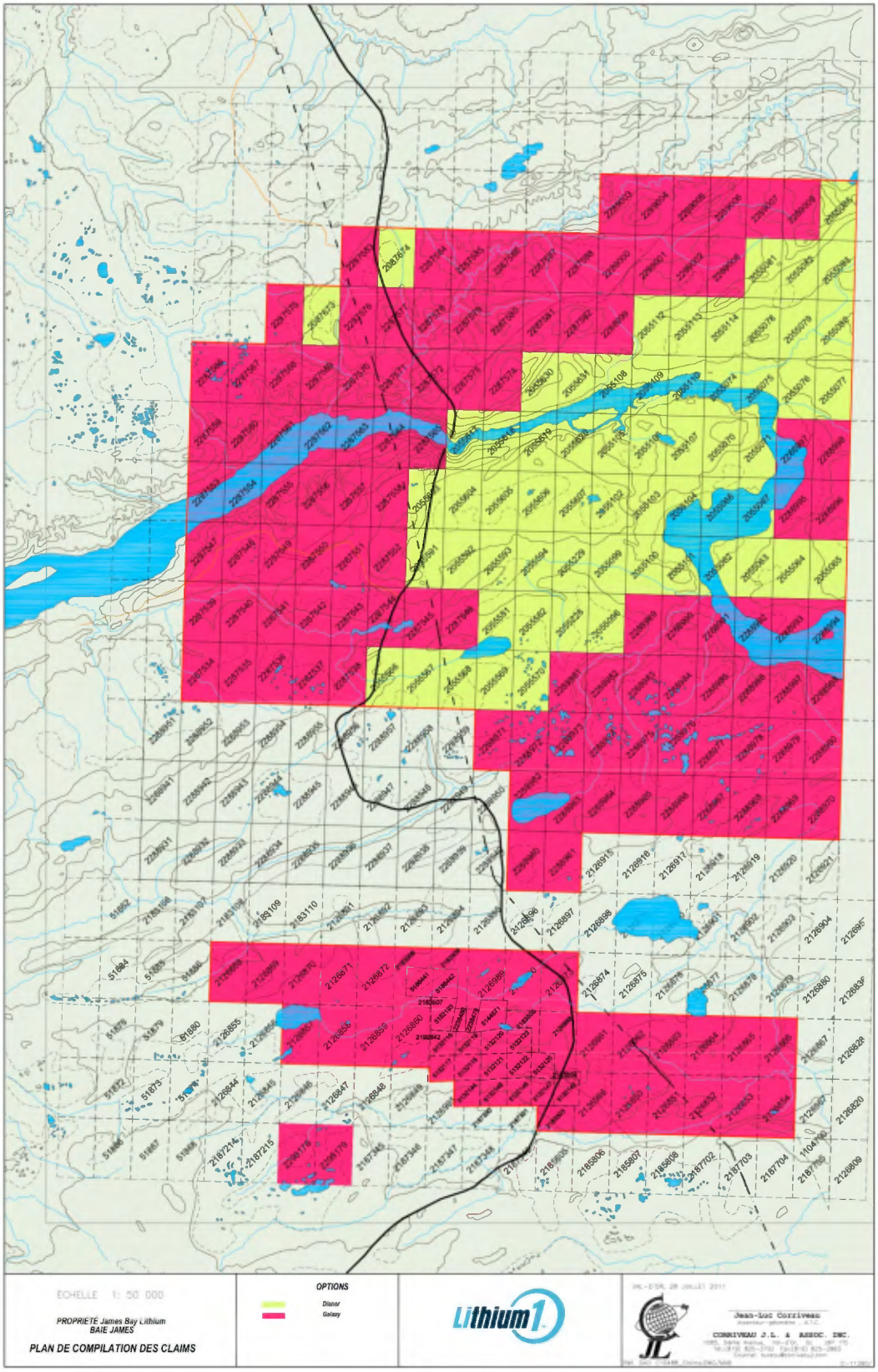


**Figure 4.** Claims map of Lithium One's James-Bay property (July 2011).

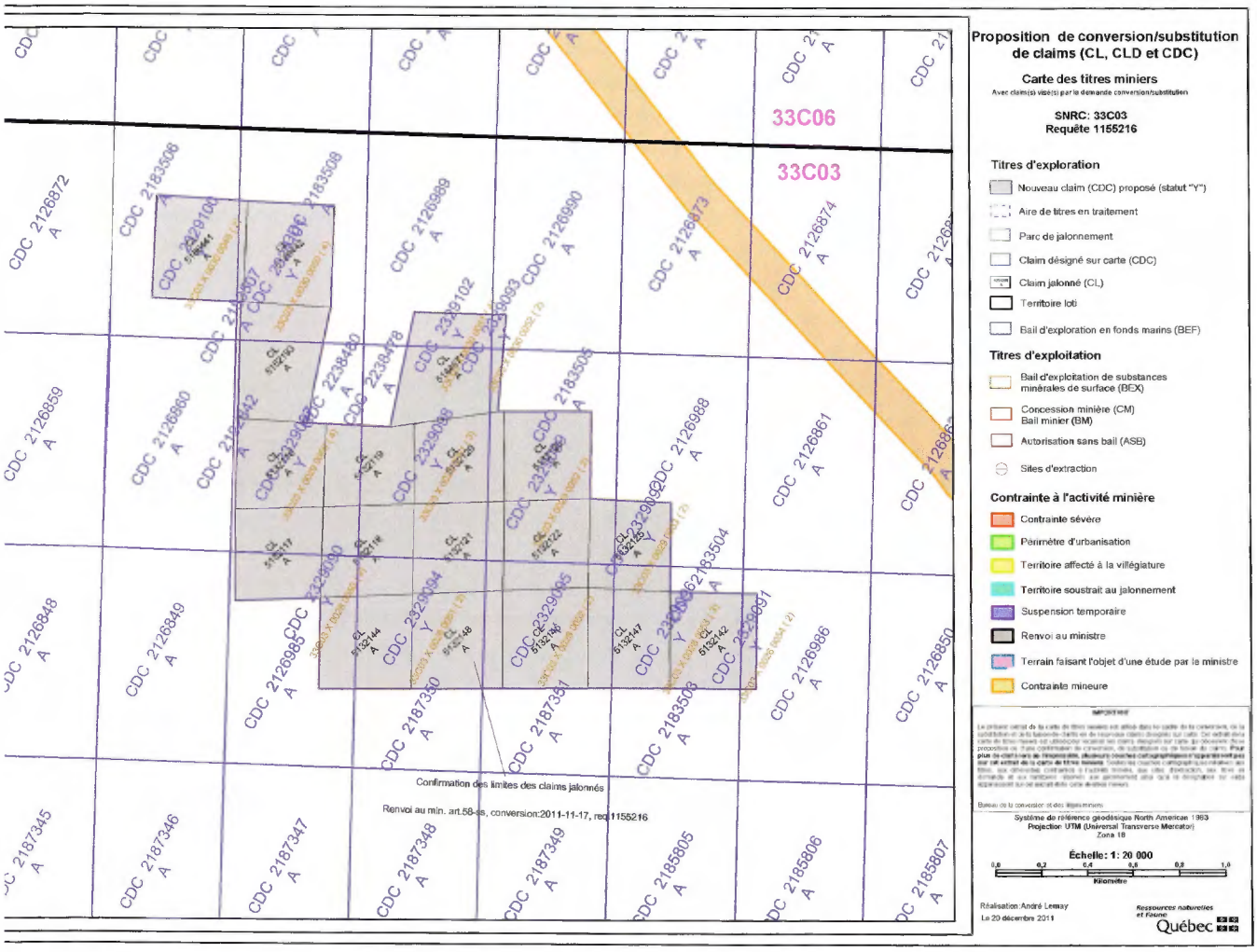


**Figure 5.** Claims map [old ground staked CL – claims] Jean Cyr-SDBJ & Frigon-Robert options, before conversion.

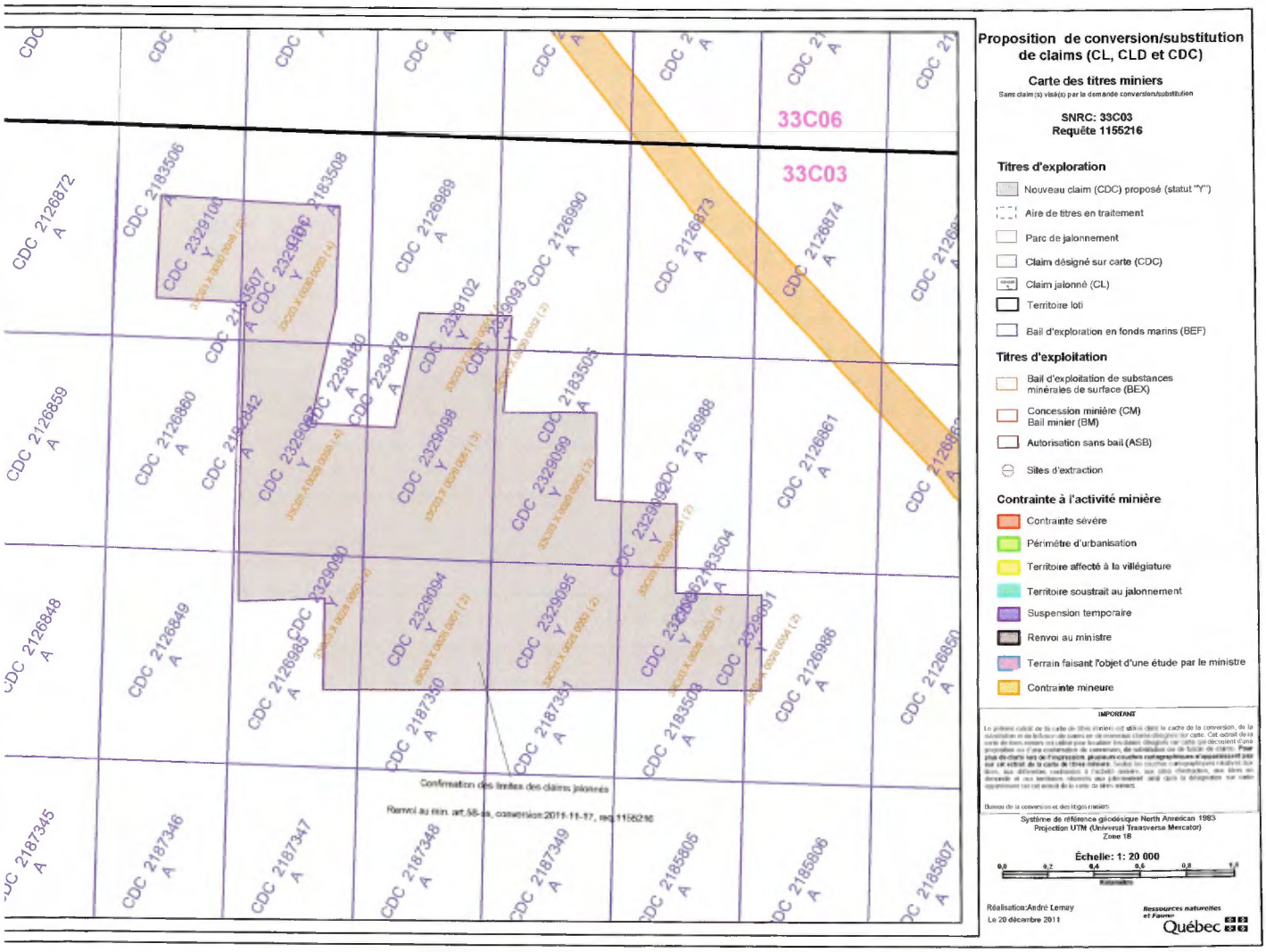


**Figure 6.** Claims map after conversion of [old ground staked CL – claims] to map staking CDC-claims; Jean Cyr-SDBJ & Frigon-Robert options.

**Table 2** List of Cl – claims converted to CDC - claims

| Claim # | Area (hc) |
|---|---|
| CL5132116 | 14.91 |
| CL5132117 | 15.38 |
| CL5132118 | 15.99 |
| CL5132119 | 13.85 |
| CL5132120 | 15.20 |
| CL5132121 | 15.92 |
| CL5132122 | 14.64 |
| CL5132123 | 14.66 |
| CL5132125 | 14.14 |
| CL5132142 | 16.07 |
| CL5132144 | 16.55 |
| CL5132146 | 16.30 |
| CL5132147 | 15.65 |
| CL5132148 | 17.15 |
| CL5144671 | 20.38 |
| CL5152193 | 17.96 |
| CL5186441 | 18.12 |
| CL5186442 | 17.19 |
| ∑ 18 claims | 290.06hc |

| Claim # | Area (hc) |
|---|---|
| CDC 2329090 | 17.06 |
| CDC 2329091 | 2.80 |
| CDC 2329092 | 6.89 |
| CDC 2329093 | 0.85 |
| CDC 2329094 | 32.57 |
| CDC 2329095 | 31.43 |
| CDC 2329096 | 26.82 |
| CDC 2329097 | 43.41 |
| CDC 2329098 | 47.03 |
| CDC 2329099 | 34.26 |
| CDC 2329100 | 16.68 |
| CDC 2329101 | 24.90 |
| CDC 2329102 | 5.37 |
| ∑ 13 claims | 290.07hc |

## GENERAL GEOLOGY

The property lies in the northeastern part of the Superior geological province, within the Eastmain greenstone belt (Lower Eastmain Group), which consists predominantly of amphibolite grade mafic to felsic metavolcanics, metasediments and minor gabbroic intrusions. On the James Bay Lithium property we find metavolcanics of the Komo formation north of the pegmatite intrusions. The Auclair formation consists mainly of paragneisses probably of sedimentary origin, which surround the pegmatites from the north-west to the south-eastern extremities of. The greenstones are surrounded by mesozonal to catazonal migmatites and gneiss of Archean Age (DPV-574 by A. Franconi-1978), & RG 2001-08 by A. Moukhsil et al. See figure 7 below.

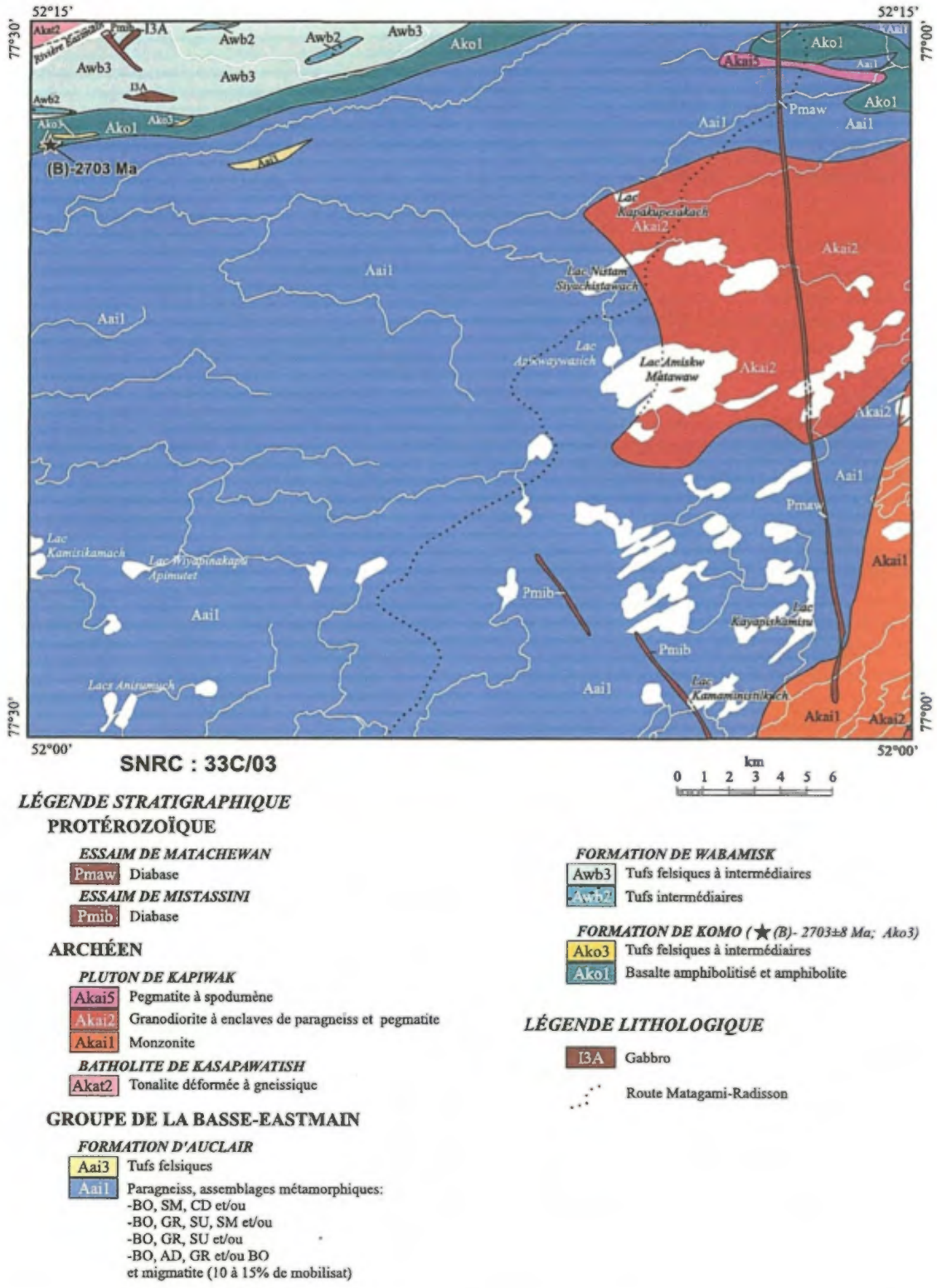


**Figure 7.** Simplified Geology map of the Miskimatao River area (NTS 33C03) from Moukhsil 2001.

## GEOLOGY of LITHIUM ONE'S JAMES-BAY DEPOSIT

The pegmatites found on the James Bay Lithium property are located within the Lower Eastmain Group of the Eastmain River Greenstone Belt. When speaking about pegmatites, the author means the descriptive definition for field identification as described by D. London (2008): "*pegmatite is essentially an igneous rock commonly of granitic composition, that is distinguished from other igneous rocks by its extreme coarse but variable grain-size, or by an abundance of crystals with skeletal, graphic or other strongly directional growth habits*". Pegmatites occur as sharply bounded homogeneous to zoned bodies within igneous or metamorphic host rocks." A reconnaissance geological map of the property was produced by the SDBJ in 1975. Biotite schist and gneisses, together with mafic metavolcanics, dacites, quartzites, metaconglomerates, meta-gabbros, granites and pegmatites have been indentified. Most of the non-intrusive rocks are well foliated, striking E-NE, and dipping subvertically; the granites and pegmatites have a more massive appearance.

Mapping by J. C. Potvin of SDBJ had identified 14 important dykes of spodumene (SDBJ: GEOLOGIE ET STRUCTURE MAPS, project 350-3610-010, Oct. '75). According to (Pelletier, 1977), "The individual bodies are mostly irregular dykes or lenses attaining up to 60 meters in width and over 100 meters in length." A 15th dyke, located in the western part of the property, has been discovered by Lithium One in 2009. (see figure 8)

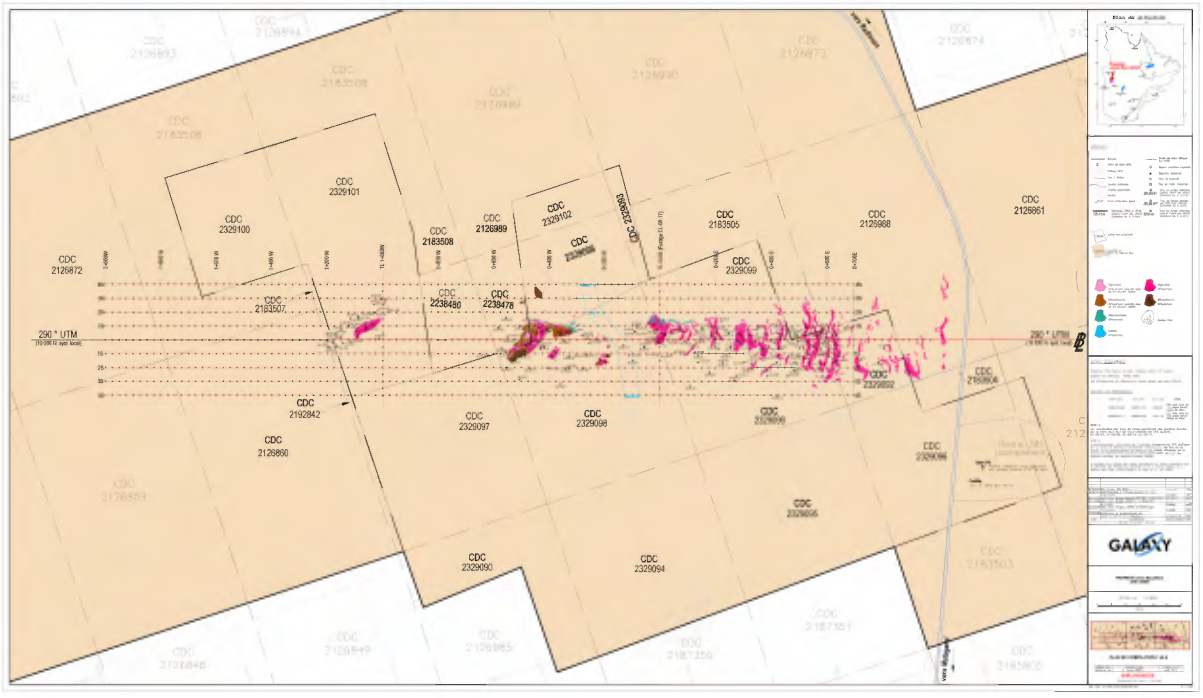


**Figure 8.** Pegmatites outcrop map of Galaxy's James Bay property on new claim base.

For interpretative purposes, the dykes have been grouped into swarms, each consisting from 2 to 8 individual and mutually parallel dykes. They crosscut the foliation and presumed bedding of the host rocks on a local and regional scale at a high angle. These dykes strike most often N20°E/60°W, but may vary from north-east to north-west and generally show a westerly dip of 60° or steeper. The group of outcrops forms a discontinuous band or "corridor" approximately 4.5 km long by 300m wide striking N103°E, and cutting the host rock at a low angle. The pegmatites are generally perpendicular to the trend of the "corridor"; they form small hills reaching up to 30 meters above the surrounding swamps. According to (Boisvert, 1989), "...the pegmatites are not zoned, except for the occasional presence of fine-grained border zones a few centimeters thick occurring in contact with the host amphibolite."

The pegmatites of this property belong to the rare-element 'class', the LCT (Li-Cs-Ta) 'family' and the albite-spodumene 'type' according to the classification by Cerny (1991). In such pegmatites, some regional zonation of rare metals is generally observed resulting from a cogenetic intrusion Cerny (1991). Similar zonation is also observed around the La Motte and La Corne plutons in the Abitibi area (Boily,1995; & Mulja et al. 1995). This zonation indicates an enrichment of the different rare metals in pegmatite dykes as a function of their distance from the cogenetic intrusion. In the case of the James Bay Lithium deposit, spodumene-bearing pegmatites are likely the most differentiated dykes and the most distant from the cogenetic intrusion located farther south, the Kapiwak Pluton (Moukhsil et al., 2001).

In 1975, Pelletier of the SDBJ suggested that the pegmatites intruded in radial fractures emanating from a centre located to the West. In his thesis, (Potvin, 1976) hypothesizes that the spodumene pegmatites are related to a granitic batholith located SW of the property.

Spodumene occurs as white to greenish prismatic and striated crystals varying from a few millimeters to over 1 meter in length. When altered, sericite forms on the surface of the spodumene and as it progresses, the colour changes to brown from the increasing iron oxides adhering to the surface. Spodumene can also alter to Li-bearing mica in platy aggregates pseudomorphs after spodumene. Micropbrobe analyses reveals the James Bay Lithium spodumene with the following formula $(Li_{0.99}Na_{0.01})AlSi_2O_6$, with an iron content of 0.96% (Total $Fe_2O_3$). Work by the SDBJ identified the major minerals of the spodumene pegmatites in decreasing order of abundance as: perthitic feldspar, spodumene (25%), quartz, muscovite, apatite, beryl, iron oxides, ilmenite, serpentine, tourmaline (?) and ferri-sicklerite or lithiophilite (Li (Mn, Fe) $PO_4$). In 1974,Valiquette revealed that pale green muscovite contained 0.18% $Li_2O$.

## PROPERTY HISTORY

In 1977, M. Giroux of SDBJ drilled and logged 3 diamond drill holes for a total length of 388m. The results indicated grades up to 1.92% ($Li_2O$) over 34m of section, at a depth varying from 17 to 51m. Powder samples recovered by SDBJ in 1974, and the average grade obtained from the 277 samples was 1.7 +/- 0.1 weight % $Li_2O$ (95% confidence limits), the standard deviation being 0.8% $Li_2O$.

Dr Guy Valiquette sampled the property in 1973-1974. From a high head grade of 2.99% $Li_2O$, he succeeded in producing a concentrate of 7.45% $Li_2O$ (see Table 3). There is however, no mention in his report as to how the concentrate was produced (!). Yves Pelletier (1977) reported on concentration tests performed by the CRMQ in 1975, from a composite of 109 individual powder samples. Another metallurgical test commented by Roland Faucher in April 1981 is reported having been produced at the CRMQ on the same material originating from the powder samples from the 277 short holes. The results of these tests are reported in Table 3 below.

**Table 3. Spodumene Concentration Tests Summary**

| | **Valiquette '74** <u>**Head grade**</u> | | **SDBJ '75** <u>**Head grade**</u> | | **Faucher '81** <u>**Head grade**</u> |
|---|---|---|---|---|---|
| $Li_2O$ | 2.99% | | 1.72% | | 1.72% |
| FeO | 0.24% | | | | |
| $Fe_2O_3$ | 0.62% | | | | |
| Total Fe | - | | 0.32% | | 0.32% |
| $Al_2O_3$ | 18.36% | | | | |
| $SiO_2$ | 71.80% | | | | |
| CaO | 0.19% | | | | |
| $Na_2O$ | 2.41% | | | | |
| $K_2O$ | 1.38% | | | | |
| $P_2O_5$ | 0.32% | | | | |
| REO | 1000ppm | | | | |
| BeO | 300ppm | | | | |

**Table 3. Spodumene Concentration Tests Summary (suite)**

| | **Valiquette '74** | | **SDBJ '75** | | **Faucher '81** |
|---|---|---|---|---|---|
| | Concentrate | | Concentrate | | Concentrate |
| $Li_2O$ | 7.45% | | 6.20% | | 5.76% |
| FeO | 0.35% | | | | |
| $Fe_2O_3$ | 0.61% | | | | |
| Total Fe | 0.70% | | 1.08% % | | 0.88% |
| recovery | - | | 71 wt % | | 67.1%. |

In October 1985, probably consulting for a large mining company, J. Baily mentions in an internal memo, that results of metallurgical tests done at the Research Centre of the Quebec Natural Resources (CRM) can be found in a report by R. Vachon dated September 4, 1975, which includes a treatment flow sheet. A brief "Target evaluation model" is proposed in the memo for a 700 tpd mining operation for a total extraction of 250,000 t/yr. He proposed a lithium carbonate ($Li_2CO_3$) transformation plant producing 13,500,000 lbs of $Li_2CO_3$. Lithium carbonate is produced by heating a spodumene concentrate to 1100 °C. This transforms the crystal structure of the spodumene to a soluble "ß" phase: after cooling it is then heated to 250 °C in a sulfuric acid bath and neutralized later by soda ash.

In Québec, hard rock lithium ore (spodumene) was mined at Québec Lithium in the Abitibi area: the mine extracted ore as an underground operation from 1955 to 1958; it reopened in 1960 and closed definitively in 1965. Production from the mine was processed on site and sold as concentrate. A study was later carried out to evaluate the pre-feasibility of transforming the concentrate to lithium carbonate on site; the project did not materialize due to lower prices for $Li_2CO_3$ in the 1980's. A list of the documents and reports consulted are found in Annex 10.

## THE CYR-2 PEGMATITES

On september 14th to 16th 2009 we visited the Cyr#2 pegmatites (GPS: 361397mE, 5788668mN) located on claim #CDC2126852. The site consists of numerous small pegmatite dykes and sills injected throughout the metasedimentary host rocks. The major outcrops are located at the south end of the group. They consist of three knobs all with a spodumene content varying from 15-20%, with crystals oriented N_S, indicating an EW azimuth for the dyke. This is much unlike all other dykes (Swarms #1-15) located west of the James Bay Road. The South Dyke is nearly 12m thick. Similarly a North Dyke is found 40m from the South one; it has a thickness of 10m and is oriented in the same direction. Between the two; a smaller but still very significant dyke appears oriented perpendicular to the other two. With crystals of spodumene oriented E-W. They are probably related and linked to the other two by means of underground fracturing. Two random samples were taken (#992 & 993) which gave lithia values of 2.73 & 1.98% $Li_2O$ respectively (see certificate 28822 COREM). On the return trip, a small outcrop was located at 360953mE, 5788592mN, and a small knob of pegmatite, perhaps 40m X 7m was found at 360687mE , 5788608mN; it was oriented N60°E and possibly 7m thick; both located on claim 2126851.

## DIAMOND DRILLING PROGRAM OF 2009

In 2009, from June 16th to September 19th, 84 holes were drilled by the Chibougamau Diamond Drilling Company, for a cumulative length of 12,379.6m of core recoverred. Most holes were from 150-200m deep, with a maximum depth of 302.7m and a minimum of 59m. The drilling program was initiated on a 50m drilling pattern, with few exceptions at 25m spacing. Such spacing was deemed necessary to prepare a data set for ore resource estimate aimed at "indicated resources". Since the pegmatite dykes dip at approximately 60°, the most frequent drilling inclination was -45°; however, when drilling was targeting a deeper intercept, inclinations from -60° to -83° were used. The drilling azimuth was set at 110° for swarms 7 to 10 inclusively. Swarms #12, 13 & 14 were drilled at 145°, as we observed a slight but significant change in the orientation of the dykes. Newly discovered, swarm #15 is oriented at 70°, for this reason the dykes were drilled at a bearing of 160° .

All the drill holes of the present program have been geo-referenced using a GPS (model Garmin 60-csx); the coordinates are summarized in Table 4 & 5. Prior to the

beginning of the drilling program, all the former holes drilled by Lithium One (Coniagas) were re-positionned from NAD27 to NAD-83 reference points. Table 5 (below) gives the new coordinates for the 18 holes drilled in 2008. Standardizing was necessary for inclusion of all data used for ore resource calculation.

**Table 4. Summary of UTM (NAD83) Co-ordinates for Drill Holes JBL09-01 to 17, with claim location.**

| COLLAR DATA 2009 DRILL HOLES | | | | | | | |
|---|---|---|---|---|---|---|---|
| SWARM # 7 | | Collar Data | | | UTM Zone Datum | 18 | (NAD83) |
| Hole # | Claim # | Azimuth | Dip | Depth (m) | Easting | Northing | Elevation (m) |
| JBL09-01 | CDC2329099 | 110° | -45° | 84.0 | 358816 | 5789160 | 239 |
| JBL09-02 | CDC2329099 | 110° | -45° | 66.0 | 358853 | 5789201 | 238 |
| JBL09-03 | CDC2329099 | 110° | -45° | 84.0 | 358870 | 5789245 | 237 |
| JBL09-04 | CDC2126988 | 110° | -45° | 59.0 | 358884 | 5789291 | 238 |
| JBL09-05 | CDC2183505 | 110° | -45° | 130.3 | 358784 | 5789300 | 231 |
| JBL09-06 | CDC2329099 | 110° | -45° | 149.7 | 358779 | 5789277 | 234 |
| JBL09-07 | CDC2329099 | 110° | -45° | 147.0 | 358765 | 5789227 | 238 |
| JBL09-08 | CDC2329099 | 110° | -45° | 153.1 | 358735 | 5789185 | 234 |
| JBL09-09 | CDC2183505 | 110° | -80° | 171.0 | 358784 | 5789300 | 233 |
| JBL09-10 | CDC2329099 | 110° | -80° | 164.6 | 358779 | 5789277 | 234 |
| JBL09-11 | CDC2329099 | 110° | -80° | 150.1 | 358764 | 5789225 | 238 |
| JBL09-12 | CDC2329099 | 110° | -80° | 164.8 | 358731 | 5789184 | 234 |
| JBL09-13 | CDC2329099 | 110° | -45° | 207.2 | 358642 | 5789118 | 222 |
| JBL09-14 | CDC2329099 | 110° | -60° | 156.0 | 358638 | 5789222 | 229 |
| JBL09-15 | CDC2329099 | 110° | -60° | 150.1 | 358680 | 5789258 | 235 |
| JBL09-16 | CDC2329099 | 110° | -60° | 160.0 | 358698 | 5789301 | 231 |
| JBL09-17 | CDC2329099 | 110° | -60° | 171.0 | 358723 | 5789354 | 224 |

**Table 4. Summary of UTM (NAD83) Co-ordinates for Drill Holes JBL09-18 to 41, with claim location.**

| SWARM #8 & 9 | | Collar Data | | | UTM Zone Datum 18 (NAD83) | | |
|---|---|---|---|---|---|---|---|
| Hole # | Claim # | Azimuth | Dip | Depth (m) | Easting | Northing | Elevation (m) |
| **JBL09-18** | **CDC2329099** | 110° | -60° | 155.6 | 358655 | 5789367 | 226 |
| **JBL09-19** | **CDC2329099** | 110° | -60° | 206.9 | 358637 | 5789331 | 230 |
| **JBL09-20** | **CDC2329099** | 110° | -60° | 210.0 | 358617 | 5789283 | 233 |
| **JBL09-21B** | **CDC2329099** | 110° | -60° | 213.0 | 358577 | 5789245 | 230 |
| **JBL09-22** | **CDC2329099** | 110° | -45° | 147.0 | 358515 | 5789222 | 226 |
| **JBL09-23** | **CDC2329099** | 110° | -80° | 192.1 | 358541 | 5789340 | 230 |
| **JBL09-24** | **CDC2329099** | 110° | -45° | 165.1 | 358555 | 5789389 | 223 |
| **JBL09-25** | **CDC2329099** | 110° | -80° | 180.0 | 358555 | 5789389 | 224 |
| **JBL09-26** | **CDC2329099** | 110° | -60° | 117.1 | 358546 | 5789439 | 216 |
| **JBL09-27** | **CDC2329099** | 110° | -45° | 170.6 | 358498 | 5789296 | 228 |
| **JBL09-28** | **CDC2329099** | 110° | -80° | 180.1 | 358498 | 5789296 | 228 |
| **JBL09-29** | **CDC2329099** | 110° | -60° | 201.0 | 358441 | 5789280 | 226 |
| **JBL09-30** | **CDC2329099** | 110° | 45 | 180.1 | 358358 | 5789258 | 222 |
| **JBL09-31** | **CDC2329099** | 110° | -50° | 161.9 | 358473 | 5789436 | 215 |
| **JBL09-32** | **CDC2329099** | 110° | -75° | 161.9 | 358472 | 5789441 | 220 |
| **JBL09-33** | **CDC2329099** | 110° | -45° | 150.0 | 358448 | 5789402 | 221 |
| **JBL09-34** | **CDC2329099** | 110° | -75° | 192.0 | 358448 | 5789402 | 221 |
| **JBL09-35** | **CDC2329099** | 110° | -50° | 150.0 | 358425 | 5789353 | 219 |
| **JBL09-36** | **CDC2329099** | 110° | -75° | 210.0 | 358425 | 5789353 | 219 |
| **JBL09-41** | **CDC2329099** | 110° | -45° | 180.0 | 358519 | 5789321 | 230 |

**Table 4. Summary of UTM (NAD83) Co-ordinates for Drill Holes JBL09-42 to 61, with claim location.**

| SWARM #15 | | Collar | Data | | Datum | UTM Zone 18 | (NAD83) |
|---|---|---|---|---|---|---|---|
| Hole # | Claim # | Azimuth | Dip | Depth (m) | Easting | Northing | Elevation (m) |
| JBL09-42 | CDC2329097 | 340° | -45° | 144.0 | 357364 | 5789803 | 204 |
| JBL09-43 | CDC2329097 | 160° | -45° | 111.1 | 357380 | 5789898 | 203 |
| JBL09-44 | CDC2329097 | 160° | -45° | 80.8 | 357320 | 5789906 | 203 |
| JBL09-45 | CDC2329097 | 160° | -45° | 90.0 | 357277 | 5789885 | 207 |
| JBL09-46 | CDC2329097 | 160° | -75° | 156.2 | 357277 | 5789885 | 208 |
| JBL09-47 | CDC2329097 | 160° | -75° | 144.3 | 357226 | 5789861 | 208 |
| JBL09-48 | CDC2329097 | 160° | -45° | 81.0 | 357226 | 5789861 | 208 |
| JBL09-49 | CDC2192842 | 160° | -75° | 132.0 | 357186 | 5789833 | 205 |
| JBL09-50 | CDC2329097 | 160° | -45° | 81.0 | 357420 | 5789936 | 203 |
| JBL09-51 | CDC2329097 | 160° | -75° | 134.6 | 357420 | 5789935 | 204 |

| SWARM #10 & 11 | | Collar | Data | | Datum | UTM Zone 18 | (NAD83) |
|---|---|---|---|---|---|---|---|
| Hole # | Claim # | Azimuth | Dip | Depth (m) | Easting | Northing | Elevation (m) |
| JBL09-37 | CDC2329099 | 110° | -80° | 165.0 | 358377 | 5789377 | 225 |
| JBL09-38 | CDC2329099 | 110° | -80° | 170.8 | 358397 | 5789417 | 226 |
| JBL09-39 | CDC2329099 | 110° | -80° | 143.9 | 358389 | 5789467 | 222 |
| JBL09-40 | CDC2329099 | 110° | -45° | 128.9 | 358342 | 5789441 | 222 |
| JBL09-52 | CDC2329098 | 110° | -45° | 87.0 | 358308 | 5789510 | 213 |
| JBL09-53 | CDC2329098 | 110° | -45° | 171.0 | 358305 | 5789477 | 217 |
| JBL09-54 | CDC2329098 | 110° | -45° | 159.0 | 358240 | 5789511 | 217 |
| JBL09-55 | CDC2329098 | 110° | -70° | 135.0 | 358240 | 5789510 | 217 |
| JBL09-56 | CDC2329098 | 110° | -85° | 141.0 | 358240 | 5789510 | 217 |
| JBL09-57 | CDC2329098 | 110° | -45° | 107.8 | 358250 | 5789526 | 207 |
| JBL09-58 | CDC2329098 | 110° | -75° | 95.9 | 358251 | 5789527 | 212 |
| JBL09-59 | CDC2329098 | 110° | -45° | 84.0 | 358253 | 5789448 | 222 |
| JBL09-60 | CDC2329098 | 110° | -83° | 180.0 | 358252 | 5789447 | 223 |
| JBL09-61 | CDC2329098 | 110° | -70° | 209.9 | 358184 | 5789478 | 219 |
| JBL09-70 | CDC2329098 | 110° | -65° | 177.0 | 358196 | 5789416 | 220 |

**Table 4. Summary of UTM (NAD83) Co-ordinates for Drill Holes JBL09-62 to 84, with claim location.**

| SWARM #12, 13 & 14 | | Collar | Data | | Datum | UTM Zone 18 | (NAD83) |
|---|---|---|---|---|---|---|---|
| Hole # | Claim # | Azimuth | Dip | Depth (m) | Easting | Northing | Elevation (m) |
| JBL09-62 | CDC2238478 | 145° | -45° | 147.0 | 357820 | 5789632 | 211 |
| JBL09-63 | CDC2238478 | 145° | -45° | 192.0 | 357855 | 5789671 | 211 |
| JBL09-64 | CDC2329098 | 145° | -45° | 91.7 | 357893 | 5789690 | 207 |
| JBL09-65 | CDC2238478 | 145° | -45° | 302.7 | 357820 | 5789717 | 212 |
| JBL09-66 | CDC2238478 | 145° | -45° | 261.0 | 357782 | 5789693 | 214 |
| JBL09-67 | CDC2238478 | 145° | -45° | 195.0 | 357767 | 5789620 | 213 |
| JBL09-68 | CDC2238480 | 145° | -45° | 215.6 | 357713 | 5789611 | 212 |
| JBL09-69 | CDC2329098 | 145° | -45° | 150.3 | 357759 | 5789548 | 222 |
| JBL09-71 | CDC2329098 | 145° | -45° | 80.7 | 357790 | 5789491 | 225 |
| JBL09-72 | CDC2329098 | 145° | -45° | 141.2 | 357798 | 5789562 | 220 |
| JBL09-73 | CDC2329098 | 145° | -45° | 72.0 | 357838 | 5789516 | 222 |
| JBL09-74 | CDC2329098 | 145° | -45° | 123.0 | 357839 | 5789566 | 217 |
| JBL09-75 | CDC2329098 | 145° | -45° | 90.0 | 357913 | 5789573 | 218 |
| JBL09-76 | CDC2329098 | 145° | -75° | 146.9 | 357913 | 5789572 | 218 |
| JBL09-77 | CDC2329098 | 145° | -45° | 90.0 | 357950 | 5789616 | 213 |
| JBL09-78 | CDC2329098 | 110° | -45° | 93.0 | 358070 | 5789546 | 218 |
| JBL09-79 | CDC2329098 | 110° | -45° | 84.0 | 358047 | 5789495 | 219 |
| JBL09-80 | CDC2329098 | 110° | -45° | 96.0 | 358019 | 5789452 | 216 |
| JBL09-81 | CDC2329098 | 110° | -45° | 150.2 | 357923 | 5789424 | 216 |
| JBL09-82 | CDC2329098 | 110° | -45° | 165.0 | 357990 | 5789567 | 220 |
| JBL09-83 | CDC2329098 | 110° | -45° | 141.0 | 357985 | 5789510 | 220 |
| JBL09-84 | CDC2329098 | 110° | -45° | 147.3 | 357959 | 5789470 | 214 |

**Table 5. Summary of UTM (NAD83) Co-ordinates for Drill Holes JBL09-01 to 84, with claim location.**

| Grid | Datum | UTM | NAD83 | | | | |
|---|---|---|---|---|---|---|---|
| | | | | | | elevation | elevation |
| drill hole | Zone | Easting | Northing | depth | azimuth | map estimates | 2008 gps measures |
| CL08-01 | 18 U | 359064 | 5789148 | 102 | vertical | 235m | 239 m |
| CL08-02 | 18 U | 359027 | 5789108 | 75 | vertical | 235m | 238m |
| CL08-03 | 18 U | 358967 | 5789134 | 51 | vertical | 243m | 246m |
| CL08-04 | 18 U | 358885 | 5789165 | 51 | vertical | 247m | 244m |
| CL08-05 | 18 U | 358905 | 5789254 | 51 | vertical | 245m | 242m |
| CL08-06 | 18 U | 358957 | 5789265 | 51 | vertical | 240m | 235m |
| CL08-07 | 18 U | 358857 | 5789275 | 61 | vertical | 242m | 239 m |
| CL08-08 | 18 U | 358802 | 5789218 | 51 | vertical | 247m | 249 m |
| CL08-09 | 18 U | 358691 | 5789252 | 60 | vertical | 241m | 244m |
| CL08-10 | 18 U | 358720 | 5789307 | 51 | vertical | 240m | 241m |
| CL08-11 | 18 U | 358662 | 5789372 | 54 | vertical | 231m | 221m |
| CL08-12 | 18 U | 358595 | 5789258 | 69 | vertical | 238m | 233m |
| CL08-13 | 18 U | 358493 | 5789362 | 51 | vertical | 233m | 228m |
| CL08-14 | 18 U | 358519 | 5789416 | 51 | vertical | 228m | 190m |
| CL08-15 | 18 U | 358415 | 5789382 | 51 | vertical | 229m | 195m |
| CL08-16 | 18 U | 358396 | 5789465 | 51 | vertical | 225m | 229m |
| CL08-17 | 18 U | 358312 | 5789456 | 51 | vertical | 229m | 225m |
| CL08-18 | 18 U | 358547 | 5789341 | 105 | N90°E | 235m | 237m |

## DRILLING INTERPRETATION: Holes JBL09-01 to JBL09-84

From June 16, 2009 to September 20th, Lithium One Inc. proceeded with a drilling program on the property; 84 diamond drill holes were executed at an approximate spacing of 50m from each other. Due to a highly accentuated topography, some variations exists in the preset spacing; maintaining a constant distance between holes was difficult and for this reason some winter drilling may be recommended.

As interpreted from the drill hole sections, most of the dykes dip between 52° W and 77° W. With hole JBL09-30 being the exception, all the holes intersected a significant proportion of spodumene pegmatite averaging 32% of the 12340 meters of core drilled. (see Table 6.). The drill logs are included in Annex 1.

**TABLE 6 : AVERAGE PEGMATITE CONTENT (%) PER HOLE**

| Date completed | HOLE # JBL_(*x*) | depth (m) | **I1G-SP (m)** | **I1G-SP2 (%/hole)** | Cumulative I1G |
|---|---|---|---|---|---|
| 16-Jun-09 | 1 | 84.0 | **35.5** | **42.3%** | 42.3% |
| 17-Jun-09 | 2 | 66.0 | **22.9** | **34.7%** | 39.0% |
| 18-Jun-09 | 3 | 84.0 | **22.7** | **27.0%** | 34.7% |
| 18-Jun-09 | 4 | 59.0 | **18.2** | **30.8%** | 33.9% |
| 19-Jun-09 | 5 | 130.3 | **38.1** | **29.2%** | 32.4% |
| 22-Jun-09 | 6 | 149.7 | **44.3** | **29.6%** | 31.7% |
| 24-Jun-09 | 7 | 147.7 | **50.5** | **34.2%** | 32.2% |
| 27-Jun-09 | 8 | 153.2 | **47.3** | **30.9%** | 32.0% |
| 21-Jun-09 | 9 | 171.0 | **40.2** | **23.5%** | 30.6% |
| 23-Jun-09 | 10 | 164.6 | **49.6** | **30.1%** | 30.5% |
| 25-Jun-09 | 11 | 150.1 | **58.6** | **39.0%** | 31.5% |
| 28-Jun-09 | 12 | 164.8 | **48.5** | **29.4%** | 31.2% |
| 29-Jun-09 | 13 | 207.2 | **51.7** | **24.9%** | 30.5% |
| 01-Jul-09 | 14 | 156.0 | **43.0** | **27.6%** | 30.3% |
| 02-Jul-09 | 15 | 150.1 | **50.1** | **33.4%** | 30.5% |
| 03-Jul-09 | 16 | 160.0 | **52.4** | **32.8%** | 30.6% |
| 04-Jul-09 | 17 | 171.0 | **41.5** | **24.3%** | 30.2% |
| 05-Jul-09 | 18 | 155.6 | **37.0** | **23.8%** | 29.8% |

**TABLE 6: AVERAGE PEGMATITE CONTENT (%) PER HOLE (suite)**

| | | | | | |
|---|---|---|---|---|---|
| 07-Jul-09 | 19 | 206.9 | **67.9** | **32.8%** | 30.0% |
| 08-Jul-09 | 20 | 210.0 | **77.0** | **36.7%** | 30.5% |
| 10 & 24-Jul-09 | 21B | 213.0 | **69.6** | **32.7%** | 30.6% |
| 24-Jul-09 | 22 | 147.0 | **14.2** | **9.7%** | 29.7% |
| 25-Jul-09 | 23 | 192.1 | **87.0** | **45.3%** | 30.6% |
| 26-Jul-09 | 24 | 165.1 | **60.4** | **36.6%** | 30.8% |
| 27-Jul-09 | 41 | 180.0 | **74.5** | **41.4%** | 31.3% |
| 27-Jul-09 | 25 | 180.0 | **44.6** | **24.8%** | 31.0% |
| 29-Jul-09 | 26 | 117.1 | **21.3** | **18.2%** | 30.7% |
| 29-Jul-09 | 27 | 170.6 | **32.3** | **18.9%** | 30.2% |
| 29-Jul-09 | 28 | 180.1 | **50.9** | **28.3%** | 30.1% |
| 31-Jul-09 | 29 | 201.0 | **22.0** | **10.9%** | 29.3% |
| 30-Jul-09 | 31 | 161.9 | **42.0** | **25.9%** | 29.2% |
| 31-Aug-09 | 32 | 161.9 | **32.6** | **20.1%** | 28.9% |
| 02-Aug-09 | 33 | 150.0 | **57.6** | **38.4%** | 29.2% |
| 03-Aug-09 | 34 | 191.9 | **61.6** | **32.1%** | 29.3% |
| 03-Aug-09 | 42 | 144.0 | **42.0** | **29.2%** | 29.3% |
| 04-Aug-09 | 43 | 111.1 | **40.9** | **36.8%** | 29.4% |
| 05-Aug-09 | 35 | 150.2 | **46.9** | **31.2%** | 29.5% |
| 07-Aug-09 | 36 | 210.1 | **51.0** | **24.3%** | 29.3% |
| 05-Aug-09 | 44 | 80.8 | **29.2** | **36.2%** | 29.4% |
| 06-Aug-09 | 45 | 90.0 | **43.8** | **48.7%** | 29.7% |
| 08-Aug-09 | 46 | 156.2 | **47.0** | **30.1%** | 29.7% |
| 09-Aug-09 | 47 | 144.3 | **69.0** | **47.8%** | 30.1% |
| 10-Aug-09 | 48 | 81.0 | **20.3** | **25.1%** | 30.0% |
| 09-Aug-09 | 38 | 170.8 | **37.0** | **21.7%** | 29.8% |
| 10-Aug-09 | 37 | 165.0 | **54.6** | **33.1%** | 29.9% |
| 11-Aug-09 | 49 | 132.0 | **19.1** | **14.5%** | 29.6% |
| 11-Aug-09 | 50 | 81.0 | **34.8** | **43.0%** | 29.8% |
| 12-Aug-09 | 51 | 134.6 | **25.5** | **18.9%** | 29.5% |
| 11-Aug-09 | 39 | 143.9 | **17.0** | **11.8%** | 29.2% |
| 12-Aug-09 | 40 | 128.9 | **32.4** | **25.1%** | 29.1% |
| 14-Aug-09 | 53 | 171.0 | **66.2** | **38.7%** | 29.3% |

**TABLE 6: AVERAGE PEGMATITE CONTENT (%) PER HOLE (suite)**

| | | | | | |
|---|---|---|---|---|---|
| 14-Aug-09 | 62 | 147.0 | **90.0** | **61.2%** | 29.9% |
| 15-Aug-09 | 63 | 192.0 | **63.4** | **33.0%** | 30.0% |
| 15-Aug-09 | 52 | 87.0 | **24.4** | **28.0%** | 30.0% |
| 16-Aug-09 | 64 | 91.7 | **34.2** | **37.3%** | 30.1% |
| 19-Aug-09 | 65 | 302.7 | **159.7** | **52.8%** | 30.9% |
| 18-Aug-09 | 54 | 159.0 | **50.3** | **31.6%** | 30.9% |
| 03-Sep-09 | 55 | 135.0 | **57.8** | **42.8%** | 31.1% |
| 04-Sep-09 | 56 | 141.0 | **32.2** | **22.8%** | 31.0% |
| 16-Aug-09 | 57 | 107.8 | **39.8** | **36.9%** | 31.0% |
| 17-Aug-09 | 58 | 95.9 | **25.6** | **26.7%** | 31.0% |
| 04-Sep-09 | 66 | 261.0 | **83.2** | **31.9%** | 31.0% |
| 05-Sep-09 | 67 | 195.0 | **90.8** | **46.6%** | 31.3% |
| 05-Sep-09 | 59 | 84.0 | **29.1** | **34.6%** | 31.4% |
| 06-Sep-09 | 60 | 180.0 | **72.5** | **40.3%** | 31.5% |
| 07-Sep-09 | 68 | 215.6 | **29.7** | **13.8%** | 31.1% |
| 09-Sep-09 | 61 | 209.9 | **55.4** | **26.4%** | 31.0% |
| 08-Sep-09 | 69 | 150.3 | **13.2** | **8.8%** | 30.7% |
| 11-Sep-09 | 70 | 177.0 | **43.5** | **24.6%** | 30.6% |
| 09-Sep-09 | 71 | 80.7 | **7.2** | **8.9%** | 30.5% |
| 10-Sep-09 | 72 | 141.2 | **48.9** | **34.6%** | 30.5% |
| 11-Sep-09 | 73 | 72.0 | **27.3** | **37.9%** | 30.6% |
| 12-Sep-09 | 74 | 123.0 | **74.0** | **60.2%** | 30.9% |
| 11-Sep-09 | 78 | 93.0 | **37.8** | **40.6%** | 31.0% |
| 12-Sep-09 | 79 | 84.0 | **45.8** | **54.5%** | 31.1% |
| 13-Sep-09 | 75 | 90.0 | **43.0** | **47.8%** | 31.3% |
| 13-Sep-09 | 80 | 96.0 | **49.9** | **52.0%** | 31.5% |
| 14-Sep-09 | 76 | 146.9 | **63.9** | **43.5%** | 31.6% |
| 14-Sep-09 | 81 | 150.0 | **30.3** | **20.2%** | 31.5% |
| 15-Sep-09 | 77 | 90.0 | **11.0** | **12.2%** | 31.3% |
| 15-Sep-09 | 84 | 147.0 | **47.9** | **32.6%** | 31.3% |
| 16-Sep-09 | 82 | 165.0 | **65.9** | **39.9%** | 31.4% |
| 16-Sep-09 | 83 | 141.0 | **60.5** | **42.9%** | 31.6% |
| | | | AVERAGE | pegmatite **%** | **31.6%** |

The drilling program began in the eastern part of swarm # 7 located on claim CDC2329099. It progressed westward from the generally thinner dykes of swarms 7, 8 & 9; to the thicker dykes of swarms 11, 12, 13 14 & 15. As you can see from the results contained in table 7 below, the swarms with the thinner dykes host a larger number of individual dykes than the "fat" swarms. They are also longer, sometimes exposed up to 300m at the surface; whereas the fat swarms host stubby shaped dykes of great width but with shorter surface exposures of 100m. We have also observed that the grain-size of the spodumene increases from centimeter size in the thinner dykes to up to 1m and more in the short and fat dykes. While the average grain size of spodumene appears more homogeneous in the 5-15m thick range, it is much more variable in the thick dykes where the heart of the dyke usually hosts the largest spodumene crystals surrounded by a quartz matrix. Nearly all the pegmatite dykes contain a "chill zone" on both sides of the fracture. The hot gasses first to arrive cool more rapidly and seal the fracture with a fine-grained coat of aplitic composition, from which the pegmatite develops from the wall towards the centre of the fracture.

The development of these spodumene-bearing pegmatites originated most likely from a large granitic batholith developing in the SW area. The batholith contributed to the geochemistry of the pegmatites; during its uplift it probably provoked the formation of a network of fractures nearly all parallel to each other and cutting across the original stratigraphy of the sediments.. Our interpretation is that this activity set the stage for the developement of a dilation zone or corridor, with the higher pressure originating perpendicular to the formations. Fracturing developed more favorably in the brittle metasediments of the Auclair formation than in the more ductile volcanics of the Komo formation. The meta-volcanics could have acted as a barrier during the initial stages of the developement of the pegmatites. The internal pressure within the fracture rose and forced the fracture to expand along strike of the stratigraphy. Such a hypothesis is at the heart of our model to explain why the pegmatites are thicker in the western part of the property and thinner as you move east.

The results on the lithium contained in the pegmatite intercepts are summarized in table 7 below:

## TABLE 7: Interpreted Assay Results per Hole & Swarm

| | ASSAY RESULTS : | JAMES BAY LITHIUM PROJECT | | | |
|---|---|---|---|---|---|
| | All Results Calculated with 0.80% cut-off grade | | | | |
| **SWARM #7** | | | | | |
| **Claim #** | **Hole** | **$Li_2O$%/ m** | **from** | **to** | **width (m)** |
| CDC2329099 | JBL09-01 | 1.59%/10.27m | 14.15 | 24.42 | 10.27 |
| " " | JBL09-01 | 1.68%/9.85m | 37.10 | 46.95 | 9.85 |
| " " | JBL09-01 | 1.75%/8.66m | 54.32 | 62.98 | 8.66 |
| | | | | | |
| CDC2329099 | JBL09-02 | 2.12%/2.17m | 5.95 | 8.12 | 2.17 |
| " " | JBL09-02 | 1.72%/9.87m | 26.05 | 35.92 | 9.87 |
| " " | JBL09-02 | 1.54%/4.30m | 40.20 | 44.50 | 4.30 |
| | | | | | |
| CDC2329099 | JBL09-03 | 1.72%/5.20m | 12.45 | 17.65 | 5.20 |
| " " | JBL09-03 | 1.70%/5.17m | 37.25 | 42.42 | 5.17 |
| " " | JBL09-03 | 1.87%/2.25m | 70.45 | 72.70 | 2.25 |
| | | | | | |
| CDC2126988 | JBL09-04 | 1.41%/3.37m | 17.15 | 20.52 | 3.37 |
| " " | JBL09-04 | 1.79%/3.95m | 26.85 | 30.80 | 3.95 |
| " " | JBL09-04 | 1.24%/2.52m | 46.35 | 48.87 | 2.52 |
| | | | | | |
| CDC2183505 | JBL09-05 | 1.40%/7.14m | 21.08 | 28.22 | 7.14 |
| " " | JBL09-05 | 1.75%/6.55m | 47.87 | 54.42 | 6.55 |
| " " | JBL09-05 | 1.60%/2.56m | 61.75 | 64.31 | 2.56 |
| " " | JBL09-05 | 1.78%/2.31m | 64.92 | 67.23 | 2.31 |
| " " | JBL09-05 | 1.36%/3.09m | 70.37 | 73.46 | 3.09 |
| " " | JBL09-05 | 1.60%/3.06m | 93.34 | 96.40 | 3.06 |
| " " | JBL09-05 | 1.55%/2.68m | 116.47 | 119.15 | 2.68 |
| CDC2329099 | JBL09-06 | 1.33%/12.00m | 13.55 | 25.55 | 12.00 |
| " " | JBL09-06 | 1.65%/10.07m | 47.43 | 57.50 | 10.07 |
| " " | JBL09-06 | 1.76%/4.50m | 60.35 | 64.85 | 4.50 |
| " " | JBL09-06 | 1.54%/3.17m | 101.97 | 105.14 | 3.17 |
| " " | JBL09-06 | 2.41%/3.02m | 114.70 | 117.72 | 3.02 |

## TABLE 7: Interpreted Assay Results per Hole & Swarm [suite]

| SWARM #7 | | | | | |
|---|---|---|---|---|---|
| **Claim #** | **Hole** | **$Li_2O$%/ m** | **from** | **to** | **Width** |
| " " | JBL09-07 | 1.82%/5.23m | 19.12 | 24.35 | 5.23 |
| " " | JBL09-07 | 1.57%/10.58m | 35.00 | 45.58 | 10.58 |
| " " | JBL09-07 | 1.61%/5.68m | 47.64 | 53.32 | 5.68 |
| " " | JBL09-07 | 1.29%/2.18m | 57.60 | 59.78 | 2.18 |
| " " | JBL09-07 | 1.41%/3.38m | 95.78 | 99.16 | 3.38 |
| " " | JBL09-07 | 1.57%/5.20m | 103.75 | 108.95 | 5.20 |
| " " | JBL09-07 | 1.40%/4.60m | 131.68 | 136.28 | 4.60 |
| | | | | | |
| CDC2329099 | JBL09-08 | 2.03%/2.88m | 18.32 | 21.20 | 2.88 |
| " " | JBL09-08 | 1.47%/10.27m | 40.47 | 50.74 | 10.27 |
| " " | JBL09-08 | 1.51%/4.17m | 82.43 | 86.60 | 4.17 |
| " " | JBL09-08 | 1.37%/2.24m | 88.83 | 91.07 | 2.24 |
| " " | JBL09-08 | 1.18%/3.17m | 99.33 | 102.50 | 3.17 |
| " " | JBL09-08 | 1.65%/7.40m | 108.65 | 116.05 | 7.40 |
| " " | JBL09-08 | 1.96%/3.45m | 116.05 | 129.13 | 13.08 |
| | | | | | |
| CDC2183505 | JBL09-09 | 1.40%/10.2m | 27.70 | 37.90 | 10.20 |
| " " | JBL09-09 | 1.06%/3.57m | 57.53 | 61.10 | 3.57 |
| " " | JBL09-09 | 1.67%/3.84m | 94.46 | 98.30 | 3.84 |
| " " | JBL09-09 | 1.55%/3.00m | 114.25 | 117.25 | 3.00 |
| " " | JBL09-09 | 1.96%/3.45m | 125.68 | 129.13 | 3.45 |
| | | | | | |
| CDC2329099 | JBL09-10 | 1.61%/13.50m | 19.35 | 32.85 | 13.50 |
| " " | JBL09-10 | 1.48%/5.63m | 60.90 | 66.53 | 5.63 |
| " " | JBL09-10 | 1.59%/6.67m | 73.10 | 79.77 | 6.67 |
| " " | JBL09-10 | 1.36%/2.79m | 83.78 | 86.57 | 2.79 |
| " " | JBL09-10 | 1.41%/3.21m | 89.42 | 92.63 | 3.21 |
| " " | JBL09-10 | 1.70%/2.49m | 156.95 | 159.44 | 2.49 |

## TABLE 7: Interpreted Assay Results per Hole & Swarm [suite]

| SWARM #7 | | | | | |
|---|---|---|---|---|---|
| **Claim #** | **Hole** | **$Li_2O$%/ m** | **from** | **to** | **Width** |
| CDC2329099 | JBL09-11 | 1.70%/8.72m | 22.20 | 30.92 | 8.72 |
| " " | JBL09-11 | 1.51%/22.50m | 50.20 | 72.70 | 22.50 |
| " " | JBL09-11 | 1.72%/2.73m | 77.87 | 80.60 | 2.73 |
| " " | JBL09-11 | 1.06%/2.04m | 81.90 | 83.94 | 2.04 |
| " " | JBL09-11 | 1.56%/2.41m | 97.03 | 99.44 | 2.41 |
| " " | JBL09-11 | 2.24%/4.82m | 127.80 | 132.62 | 4.82 |
| " " | JBL09-11 | 1.24%/6.20m | 139.80 | 146.00 | 6.20 |
| | | | | | |
| CDC2329099 | JBL09-12 | 1.57%/5.77m | 25.07 | 30.84 | 5.77 |
| " " | JBL09-12 | 1.34%/6.09m | 37.86 | 43.95 | 6.09 |
| " " | JBL09-12 | 1.43%/20.94m | 58.76 | 79.70 | 20.94 |
| " " | JBL09-12 | 1.22%/2.92m | 124.00 | 126.92 | 2.92 |
| " " | JBL09-12 | 1.19%/5.38m | 148.37 | 153.75 | 5.38 |
| | | | | | |
| CDC2329099 | JBL09-13 | 2.36%/2.65m | 109.65 | 112.30 | 2.65 |
| " " | JBL09-13 | 2.38%/10.50m | 119.50 | 130.00 | 10.50 |
| " " | JBL09-13 | 1.31%/3.25m | 137.60 | 140.85 | 3.25 |
| " " | JBL09-13 | 1.52%/2.65m | 155.53 | 158.18 | 2.65 |
| " " | JBL09-13 | 1.47%/6.67m | 163.43 | 170.10 | 6.67 |
| " " | JBL09-13 | 1.60%/4.30m | 181.00 | 185.30 | 4.30 |
| | | | | | |
| CDC2329099 | JBL09-14 | 1.55%/2.32m | 50.88 | 53.20 | 2.32 |
| " " | JBL09-14 | 1.47%/2.88m | 57.08 | 59.96 | 2.88 |
| " " | JBL09-14 | 1.83%/8.36m | 105.34 | 113.70 | 8.36 |
| " " | JBL09-14 | 1.54%/11.03m | 135.87 | 146.90 | 11.03 |
| CDC2329099 | JBL09-15 | 1.55%/4.81m | 11.90 | 16.71 | 4.81 |
| " " | JBL09-15 | 1.23%/5.87m | 89.29 | 95.16 | 5.87 |
| " " | JBL09-15 | 1.03%/6.20m | 98.25 | 104.45 | 6.20 |
| " " | JBL09-15 | 1.61%/1.83m | 116.48 | 118.31 | 1.83 |
| " " | JBL09-15 | 1.63%/8.64m | 129.50 | 138.14 | 8.64 |
| " " | JBL09-15 | 1.17%/2.43m | 145.13 | 147.56 | 2.43 |

## TABLE 7: Interpreted Assay Results per Hole & Swarm [suite]

| SWARMS #7 | | | | | |
|---|---|---|---|---|---|
| Claim # | Hole | $Li_2O$%/ m | from | to | width (m) |
| CDC2329099 | JBL09-16 | 1.73%/12.65m | 8.33 | 20.98 | 12.65 |
| " " | JBL09-16 | 1.37%/3.37m | 31.20 | 34.57 | 3.37 |
| " " | JBL09-16 | 1.37%/3.29m | 50.43 | 53.72 | 3.29 |
| " " | JBL09-16 | 1.20%/5.75m | 91.80 | 97.55 | 5.75 |
| " " | JBL09-16 | 1.48%/8.50m | 110.80 | 119.30 | 8.50 |
| " " | JBL09-16 | 1.65/4.00m | 137.36 | 141.36 | 4.00 |
| | | | | | |
| CDC2329099 | JBL09-17 | 1.41%/4.46m | 8.83 | 13.29 | 4.46 |
| " " | JBL09-17 | 1.10%/4.75m | 21.46 | 26.22 | 4.76 |
| " " | JBL09-17 | 1.91%/2.93m | 90.22 | 93.15 | 2.93 |
| " " | JBL09-17 | 1.37%/4.68m | 94.52 | 99.20 | 4.68 |
| " " | JBL09-17 | 1.74%/3.65m | 113.47 | 117.12 | 3.65 |
| " " | JBL09-17 | 1.32%/3.08m | 118.62 | 121.70 | 3.08 |
| " " | JBL09-17 | 1.10%/7.29m | 147.09 | 154.38 | 7.29 |
| **SWARMS #8 & 9** | | | | | |
| CDC2329099 | JBL09-18 | 2.49%/3.41m | 16.87 | 20.28 | 3.41 |
| " " | JBL09-18 | 1.84%/2.40m | 33.17 | 35.57 | 2.40 |
| " " | JBL09-18 | 1.00%/6.54m | 61.55 | 68.09 | 6.54 |
| " " | JBL09-18 | 1.44%/6.40m | 71.50 | 77.90 | 6.40 |
| " " | JBL09-18 | 1.35%/6.79m | 140.45 | 147.24 | 6.79 |
| | | | | | |
| CDC2329099 | JBL09-19 | 1.38%/7.63m | 26.65 | 34.28 | 7.63 |
| " " | JBL09-19 | 1.47%/9.79m | 64.13 | 73.92 | 9.79 |
| " " | JBL09-19 | 1.89%/7.49m | 91.88 | 99.37 | 7.49 |
| " " | JBL09-19 | 1.60%/3.38m | 104.48 | 107.86 | 3.38 |
| " " | JBL09-19 | 1.10%/2.23m | 142.02 | 144.25 | 2.23 |
| " " | JBL09-19 | 1.67%/8.16m | 169.47 | 177.63 | 8.16 |
| " " | JBL09-19 | 1.15%/4.69m | 199.78 | 204.47 | 4.69 |

## TABLE 7: Interpreted Assay Results per Hole & Swarm [suite]

| SWARMS #8 & 9 | | | | | |
|---|---|---|---|---|---|
| **Claim #** | **Hole** | **$Li_2O$%/ m** | **from** | **to** | **width (m)** |
| CDC2329099 | JBL09-20 | 1.33%/17.38m | 14.00 | 31.38 | 17.38 |
| " " | JBL09-20 | 1.51%/14.72m | 57.10 | 71.82 | 14.72 |
| " " | JBL09-20 | 1.51%/2.28m | 87.72 | 90.00 | 2.28 |
| " " | JBL09-20 | 1.58%/5.63m | 98.82 | 104.45 | 5.63 |
| " " | JBL09-20 | 1.20%/2.36m | 139.64 | 142.00 | 2.36 |
| " " | JBL09-20 | 1.42%/4.32m | 156.00 | 160.32 | 4.32 |
| " " | JBL09-20 | 1.28%/7.86m | 174.05 | 181.91 | 7.86 |
| " " | JBL09-20 | 1.36%/3.83m | 200.47 | 204.30 | 3.83 |
| CDC2329099 | JBL09-21B | 1.41%/21.2m | 16.50 | 37.70 | 21.20 |
| " " | JBL09-21B | 1.46%/3.59m | 71.91 | 75.50 | 3.59 |
| " " | JBL09-21B | 1.80%/3.28m | 113.00 | 116.28 | 3.28 |
| " " | JBL09-21B | 1.17%/2.85m | 181.60 | 184.45 | 2.85 |
| " " | JBL09-21B | 1.52%/7.04m | 195.35 | 202.39 | 7.04 |
| CDC2329099 | JBL09-22 | 1.38%/3.88m | 133.32 | 137.20 | 3.88 |
| CDC2329099 | JBL09-23 | 1.42%/6.73m | 12.08 | 18.81 | 6.73 |
| " " | JBL09-23 | 1.76%/26.97m | 26.60 | 53.57 | 26.97 |
| " " | JBL09-23 | 1.51%/2.68m | 55.68 | 58.36 | 2.68 |
| " " | JBL09-23 | 1.40%/18.95m | 59.55 | 78.50 | 18.95 |
| " " | JBL09-23 | 1.59%/3.55m | 109.25 | 112.80 | 3.55 |
| " " | JBL09-23 | 1.45%/4.73m | 129.60 | 134.33 | 4.73 |
| " " | JBL09-23 | 1.39%/3.73m | 146.09 | 149.82 | 3.73 |
| " " | JBL09-23 | 1.60%/6.77m | 155.10 | 161.87 | 6.77 |
| " " | JBL09-23 | 1.31%/5.53m | 177.63 | 183.16 | 5.53 |
| CDC2329099 | JBL09-24 | 1.55%/23.17m | 22.83 | 46.00 | 23.17 |
| " " | JBL09-24 | 1.50%/5.55m | 49.25 | 54.80 | 5.55 |
| " " | JBL09-24 | 1.39%/2.86m | 119.01 | 121.87 | 2.86 |
| " " | JBL09-24 | 1.44%/3.53m | 136.18 | 139.71 | 3.53 |
| " " | JBL09-24 | 1.84%/5.38m | 151.00 | 156.38 | 5.38 |

## TABLE 7: Interpreted Assay Results per Hole & Swarm [suite]

| SWARMS #8 & 9 | | | | | |
|---|---|---|---|---|---|
| Claim # | Hole | $Li_2O$%/ m | from | to | width (m) |
| CDC2329099 | JBL09-25 | 1.56%/7.00m | 27.00 | 34.00 | 7.00 |
| " " | JBL09-25 | 1.52%/16.84m | 36.30 | 53.14 | 16.84 |
| " " | JBL09-25 | 1.54%/13.54m | 53.5 | 67.04 | 13.54 |
| " " | JBL09-25 | 1.63%/2.10m | 84.77 | 86.87 | 2.10 |
| | | | | | |
| CDC2329099 | JBL09-26 | 1.63%/12.95m | 40.02 | 52.97 | 12.95 |
| " " | | | | | |
| CDC2329099 | JBL09-27 | 1.83%/3.29m | 81.67 | 84.96 | 3.29 |
| " " | JBL09-27 | 1.29%/2.30m | 86.31 | 88.61 | 2.30 |
| " " | JBL09-27 | 1.60%/2.70m | 99.42 | 102.12 | 2.70 |
| " " | JBL09-27 | 1.47%/10.28m | 106.18 | 116.46 | 10.28 |
| " " | JBL09-27 | 1.91%/7.05m | 142.77 | 149.82 | 7.05 |
| | | | | | |
| CDC2329099 | JBL09-28 | 1.98%/21.0m | 48.53 | 69.53 | 21.00 |
| " " | JBL09-28 | 1.24%/3.00m | 100.1 | 103.1 | 3.00 |
| | | | | | |
| CDC2329099 | JBL09-29 | 2.19%/2.12m | 117.78 | 119.90 | 2.12 |
| | | | | | |
| CDC2329099 | JBL09-31 | 1.64%/5.48m | 22.00 | 27.48 | 5.48 |
| " " | JBL09-31 | 1.96%/6.85m | 37.47 | 44.32 | 6.85 |
| " " | JBL09-31 | 1.46%/12.88m | 102.78 | 115.66 | 12.88 |
| " " | JBL09-31 | 1.46%/2.11m | 129.43 | 131.54 | 2.11 |
| | | | | | |
| CDC2329099 | JBL09-32 | 1.44%/2.04m | 19.32 | 21.36 | 2.04 |
| " " | JBL09-32 | 1.23%/5.00m | 24.47 | 29.47 | 5.00 |
| " " | JBL09-32 | 1.22%/2.37m | 43.33 | 45.70 | 2.37 |
| " " | JBL09-32 | 1.58%/4.89m | 46.63 | 51.52 | 4.89 |
| " " | JBL09-32 | 1.33%/6.05m | 124.55 | 130.60 | 6.05 |

## TABLE 7: Interpreted Assay Results per Hole & Swarm [suite]

| SWARMS #8 & 9 | | | | | |
|---|---|---|---|---|---|
| Claim # | Hole | $Li_2O$%/ m | from | to | width (m) |
| CDC2329099 | JBL09-33 | 1.57%/9.69m | 32.79 | 42.48 | 9.69 |
| " " | JBL09-33 | 1.40%/2.82m | 43.6 | 46.42 | 2.82 |
| " " | JBL09-33 | 1.94%/7.25m | 103.43 | 110.68 | 7.25 |
| " " | JBL09-33 | 1.97%/4.88m | 113.75 | 118.63 | 4.88 |
| " " | JBL09-33 | 1.85%/4.10m | 120.10 | 124.20 | 4.10 |
| " " | JBL09-33 | 2.12%/4.34m | 127.13 | 131.47 | 4.34 |
| " " | JBL09-33 | 1.02%/7.58m | 135.31 | 142.89 | 7.58 |
| | | | | | |
| CDC2329099 | JBL09-34 | 1.51%/16.57m | 42.95 | 59.52 | 16.57 |
| " " | JBL09-34 | 1.45%/3.18m | 62.50 | 65.68 | 3.18 |
| " " | JBL09-34 | 1.34%/2.50m | 100.60 | 103.10 | 2.50 |
| " " | JBL09-34 | 1.65%/23.46m | 136.24 | 159.70 | 23.46 |
| CDC2329099 | JBL09-35 | 1.25%/5.84m | 35.38 | 41.22 | 5.84 |
| " " | JBL09-35 | 1.37%/3.24m | 101.53 | 104.77 | 3.24 |
| " " | JBL09-35 | 1.73%/14.06m | 110.29 | 124.35 | 14.06 |
| " " | JBL09-35 | 1.70%/7.12m | 134.45 | 141.57 | 7.12 |
| CDC2329099 | JBL09-36 | 1.00%/6.00m | 54.20 | 60.20 | 6.00 |
| " " | JBL09-36 | 1.88%/2.30m | 83.00 | 85.30 | 2.30 |
| " " | JBL09-36 | 1.05%/10.50m | 142.20 | 152.70 | 10.50 |
| | | | | | |
| CDC2329099 | JBL09-41 | 1.74%/14.65m | 29.65 | 44.30 | 14.65 |
| " " | JBL09-41 | 1.72%/4.08m | 53.67 | 57.75 | 4.08 |
| " " | JBL09-41 | 1.45%/12.02m | 62.92 | 74.94 | 12.02 |
| " " | JBL09-41 | 1.66%/6.15m | 106.90 | 113.05 | 6.15 |
| " " | JBL09-41 | 2.10%/2.30m | 119.96 | 122.26 | 2.30 |
| " " | JBL09-41 | 1.64%/10.35m | 135.27 | 145.62 | 10.35 |
| " " | JBL09-41 | 1.54%/4.05m | 163.55 | 167.60 | 4.05 |
| " " | JBL09-41 | 1.47%/4.34m | 172.83 | 177.17 | 4.34 |

## TABLE 7: Interpreted Assay Results per Hole & Swarm [suite]

| SWARMS #15 | | | | | |
|---|---|---|---|---|---|
| Claim # | Hole | $Li_2O$%/ m | from | to | width (m) |
| CDC2329097 | JBL09-42 | 1.42% | 89.26 | 113.22 | 23.96 |
| " " | JBL09-42 | 1.26% | 119.10 | 126.70 | 7.60 |
| " " | JBL09-42 | 1.21% | 134.45 | 138.20 | 3.75 |
| | | | | | |
| CDC2329097 | JBL09-43 | 1.68% | 5.40 | 44.33 | 38.93 |
| | | | | | |
| CDC2329097 | JBL09-44 | 2.56% | 23.33 | 26.13 | 2.80 |
| " " | JBL09-44 | 1.27% | 49.83 | 73.12 | 23.29 |
| | | | | | |
| CDC2329097 | JBL09-45 | 1.38% | 26.25 | 30.85 | 4.60 |
| " " | JBL09-45 | 1.21% | 41.48 | 77.00 | 35.52 |
| | | | | | |
| CDC2329097 | JBL09-46 | 3.46% | 50.82 | 56.48 | 5.66 |
| " " | JBL09-46 | 1.99% | 80.08 | 92.08 | 12.00 |
| " " | JBL09-46 | 1.25% | 94.55 | 96.55 | 2.00 |
| " " | JBL09-46 | 1.84% | 122.97 | 127.34 | 4.37 |
| " " | JBL09-46 | 1.53% | 131.97 | 146.47 | 14.50 |
| | | | | | |
| CDC2329097 | JBL09-47 | 1.59% | 47.95 | 59.85 | 11.90 |
| " " | JBL09-47 | 1.72% | 84.90 | 134.40 | 49.50 |
| | | | | | |
| CDC2329097 | JBL09-48 | 1.56% | 19.42 | 36.47 | 17.05 |
| " " | | | | | |
| CDC2192842 | JBL09-49 | 1.80% | 28.77 | 40.77 | 12.00 |
| | | | | | |
| CDC2329097 | JBL09-50 | 1.48% | 36.55 | 52.57 | 16.02 |
| " " | | | | | |
| CDC2329097 | JBL09-51 | 1.24% | 78.86 | 81.15 | 2.29 |
| " " | JBL09-51 | 1.36% | 88.94 | 94.36 | 5.42 |
| " " | JBL09-51 | 1.32% | 109.34 | 113.78 | 4.44 |

## TABLE 7: Interpreted Assay Results per Hole & Swarm [suite]

| **SWARMS #8 &9** | | | | | |
|---|---|---|---|---|---|
| **Claim #** | **Hole** | **$Li_2O$%/ m** | **from** | **to** | **width (m)** |
| CDC2329099 | JBL09-37 | 1.20%/11.55m | 46.45 | 58.00 | 11.55 |
| " " | JBL09-37 | 1.36%/16.10m | 105.08 | 121.18 | 16.10 |
| " " | JBL09-37 | 1.90%/5.35m | 125.87 | 131.22 | 5.35 |
| " " | JBL09-37 | 1.18%/2.43m | 156.82 | 159.25 | 2.43 |
| | | | | | |
| CDC2329099 | JBL09-38 | 1.54%/6.44m | 14.52 | 20.96 | 6.44 |
| " " | JBL09-38 | 1.34%/1.93m | 87.10 | 89.03 | 1.93 |
| " " | JBL09-38 | 1.67%/4.67m | 128.15 | 132.82 | 4.67 |
| " " | JBL09-38 | 1.19%/4.00m | 135.40 | 139.40 | 4.00 |
| | | | | | |
| CDC2329099 | JBL09-39 | 1.54%/9.50m | 3.13 | 12.63 | 9.50 |
| | | | | | |
| **SWARMS #10 & 11** | | | | | |
| CDC2329099 | JBL09-40 | 2.46%/2.15m | 22.95 | 25.10 | 2.15 |
| " " | JBL09-40 | 1.62%/6.90m | 49.30 | 56.20 | 6.90 |
| " " | JBL09-40 | 1.12%/2.94m | 59.89 | 62.83 | 2.94 |
| " " | JBL09-40 | 1.85%/2.87m | 67.78 | 70.65 | 2.87 |
| " " | JBL09-40 | 1.64%/1.85m | 91.60 | 93.45 | 1.85 |
| " " | JBL09-40 | 1.65%/2.20m | 118.63 | 120.83 | 2.20 |
| " " | JBL09-40 | 1.44%/1.63m | 122.60 | 124.23 | 1.63 |
| | | | | | |
| CDC2329099 | JBL09-52 | 1.50%/11.91m | 2.35 | 14.26 | 11.91 |
| " " | JBL09-52 | 1.79%/4.07m | 22.75 | 26.82 | 4.07 |
| | | | | | |
| CDC2329099 | JBL09-53 | 1.97%/17.18m | 15.00 | 32.18 | 17.18 |
| " " | JBL09-53 | 1.15%/4.74m | 33.38 | 38.12 | 4.74 |
| " " | JBL09-53 | 1.68%/5.03m | 46.15 | 51.18 | 5.03 |
| " " | JBL09-53 | 2.00%/3.71m | 58.50 | 62.21 | 3.71 |
| " " | JBL09-53 | 1.85%/10.28m | 69.34 | 79.62 | 10.28 |

## TABLE 7: Interpreted Assay Results per Hole & Swarm [suite]

| SWARMS #10 & 11 | | | | | |
|---|---|---|---|---|---|
| Claim # | Hole | $Li_2O$%/ m | from | to | width (m) |
| CDC2329099 | JBL09-53 | 2.05%/2.50m | 89.72 | 92.22 | 2.50 |
| " " | JBL09-53 | 1.15%/3.52m | 128.70 | 132.22 | 3.52 |
| " " | JBL09-53 | 1.42%/2.00m | 152.00 | 154.00 | 2.00 |
| " " | JBL09-53 | 1.54%/7.17m | 154.98 | 162.15 | 7.17 |
| | | | | | |
| CDC2329099 | JBL09-54 | 1.97%/7.73m | 56.03 | 63.76 | 7.73 |
| " " | JBL09-54 | 1.58%/19.06m | 65.94 | 85.00 | 19.06 |
| " " | JBL09-54 | 1.78%/3.11m | 87.74 | 90.85 | 3.11 |
| " " | JBL09-54 | 1.36%/2.08m | 101.85 | 103.93 | 2.08 |
| " " | JBL09-54 | 1.28%/2.95m | 106.25 | 109.20 | 2.95 |
| | | | | | |
| CDC2329099 | JBL09-55 | 1.38%/6.97m | 21.09 | 28.06 | 6.97 |
| " " | JBL09-55 | 1.67%/8.76m | 55.24 | 64.00 | 8.76 |
| " " | JBL09-55 | 1.33%/4.15m | 71.65 | 75.80 | 4.15 |
| " " | JBL09-55 | 1.41%/10.92m | 79.50 | 90.42 | 10.92 |
| " " | JBL09-55 | 1.69%/5.82m | 108.03 | 113.85 | 5.82 |
| | | | | | |
| CDC2329099 | JBL09-56 | 1.59%/8.38m | 26.13 | 34.51 | 8.38 |
| " " | JBL09-56 | 1.10%/4.00m | 63.69 | 67.69 | 4.00 |
| " " | JBL09-56 | 1.48%/5.23m | 69.19 | 74.42 | 5.23 |
| | | | | | |
| CDC2329099 | JBL09-57 | 1.59%/3.00m | 14.53 | 17.53 | 3.00 |
| " " | JBL09-57 | 1.36%/8.46m | 35.75 | 44.21 | 8.46 |
| " " | JBL09-57 | 1.70%/10.57m | 51.90 | 62.47 | 10.57 |
| " " | JBL09-57 | 1.39%/5.05m | 73.23 | 78.28 | 5.05 |
| | | | | | |
| CDC2329099 | JBL09-58 | 1.26%/6.20m | 17.10 | 23.30 | 6.20 |
| " " | JBL09-58 | 1.08%/3.35m | 67.75 | 71.10 | 3.35 |

## TABLE 7: Interpreted Assay Results per Hole & Swarm [suite]

| SWARM #10 & 11 | | | | | |
|---|---|---|---|---|---|
| **Claim #** | **Hole** | **$Li_2O$%/ m** | **from** | **to** | **width (m)** |
| CDC2329099 | JBL09-59 | 1.40%/20.46m | 37.80 | 58.26 | 20.46 |
| " " | JBL09-59 | 1.45%/6.07m | 73.48 | 79.55 | 6.07 |
| | | | | | |
| CDC2329099 | JBL09-60 | 1.49%/5.16m | 76.06 | 81.22 | 5.16 |
| " " | JBL09-60 | 1.89%/5.49m | 86.97 | 92.46 | 5.49 |
| " " | JBL09-60 | 1.53%/9.13m | 96.05 | 105.18 | 9.13 |
| " " | JBL09-60 | 1.53%/2.10m | 107.90 | 110.00 | 2.10 |
| " " | JBL09-60 | 1.43%/10.65m | 112.00 | 122.65 | 10.65 |
| " " | JBL09-60 | 1.56%/7.43m | 142.07 | 149.50 | 7.43 |
| " " | JBL09-60 | 1.13%/14.50m | 152.50 | 167.00 | 14.50 |
| " " | JBL09-60 | 1.01%/2.00m | 168.40 | 170.40 | 2.00 |
| | | | | | |
| CDC2329099 | JBL09-61 | 1.35%/7.30m | 136.65 | 143.95 | 7.30 |
| " " | JBL09-61 | 1.13%/7.30m | 150.70 | 158.20 | 7.50 |
| " " | JBL09-61 | 2.15%/2.90m | 172.30 | 175.20 | 2.90 |
| " " | JBL09-61 | 1.40%/11.18m | 182.02 | 193.20 | 11.18 |
| | | | | | |
| CDC2329099 | JBL09-70 | 1.34%/8.82m | 114.20 | 123.02 | 8.82 |
| " " | JBL09-70 | 1.74%/8.70m | 129.20 | 137.90 | 8.70 |
| " " | JBL09-70 | 1.43%/7.00m | 151.00 | 158.00 | 7.00 |
| " " | JBL09-70 | 2.16%/4.70m | 169.40 | 174.10 | 4.70 |

## TABLE 7: Interpreted Assay Results per Hole & Swarm [suite]

| SWARMS #12, 13 & 14 | | | | | |
|---|---|---|---|---|---|
| Claim # | Hole | $Li_2O$%/ m | from | to | width (m) |
| CDC2238478 | JBL09-62 | 1.68%/10.30m | 39.57 | 49.87 | 10.30 |
| " " | | 1.58%/26.38m | 61.07 | 87.45 | 26.38 |
| " " | | 1.67%/7.88m | 89.88 | 97.76 | 7.88 |
| " " | | 1.60%/40.83m | 102.57 | 143.40 | 40.83 |
| CDC2238478 | JBL09-63 | 1.61%/35.40m | 47.60 | 83.00 | 35.40 |
| " " | | 1.46%/6.17m | 148.70 | 154.87 | 6.17 |
| " " | JBL09-63 | 1.45%/6.48m | 173.68 | 180.16 | 6.48 |
| " " | | 1.63%/5.44m | 182.12 | 187.56 | 5.44 |
| | | | | | |
| CDC2329098 | JBL09-64 | 1.44%/25.70m | 10.60 | 36.30 | 25.70 |
| " " | | 1.61%/4.15m | 48.93 | 53.08 | 4.15 |
| | | | | | |
| CDC2238478 | JBL09-65 | 1.66%/57.92m | 41.95 | 99.87 | 57.92 |
| " " | | 2.18%/4.50m | 46.45 | 50.95 | 4.50 |
| " " | | 2.01%/4.50m | 58.45 | 62.95 | 4.50 |
| " " | | 1.49%/6.51m | 102.08 | 108.59 | 6.51 |
| " " | | 1.57%/21.78m | 110.68 | 132.46 | 21.78 |
| " " | | 1.60%/13.96m | 134.06 | 148.02 | 13.96 |
| " " | | 1.21%/15.44m | 197.52 | 212.96 | 15.44 |
| " " | | 1.51%/7.69m | 229.63 | 237.32 | 7.69 |
| " " | | 1.68%/28.60m | 242.75 | 271.35 | 28.60 |
| | | | | | |
| CDC2238478 | JBL09-66 | 1.65%/64.00m | 107.67 | 171.67 | 64.00 |
| " " | | 1.68%/9.60m | 236.65 | 246.25 | 9.60 |
| " " | | 1.42%/3.67m | 251.8 | 255.47 | 3.67 |
| | | | | | |
| CDC2238478 | JBL09-67 | 1.92%/7.00m | 10.36 | 17.36 | 7.00 |
| " " | | 1.98%/23.36m | 29.64 | 53.00 | 23.36 |
| " " | | 2.20%/2.62m | 57.20 | 59.82 | 2.62 |
| " " | | 1.84%/37.30m | 133.70 | 171.00 | 37.30 |
| " " | | 1.42%/3.60m | 179.20 | 182.80 | 3.60 |

## TABLE 7: Interpreted Assay Results per Hole & Swarm [suite]

| SWARMS #12, 13 & 14 | | | | | |
|---|---|---|---|---|---|
| **Claim #** | **Hole** | **$Li_2O$%/ m** | **from** | **to** | **width (m)** |
| | | | | | |
| CDC2238480 | JBL09-68 | intercepts < 2.0m | | | |
| | | | | | |
| CDC2329098 | JBL09-69 | 1.59%/5.20m | 103.30 | 108.50 | 5.20 |
| CDC2329098 | JBL09-71 | 1.19%/2.40m | 20.52 | 22.92 | 2.40 |
| | | | | | |
| CDC2329098 | JBL09-72 | 1.45%/38.36m | 90.44 | 128.80 | 38.36 |
| | | | | | |
| CDC2329098 | JBL09-73 | 1.45%/23.70m | 31.45 | 55.15 | 23.70 |
| | | | | | |
| CDC2329098 | JBL09-74 | 1.60%/13.50m | 3.20 | 16.70 | 13.50 |
| " " | | 1.54%/51.13m | 67.67 | 118.80 | 51.13 |
| | | | | | |
| CDC2329098 | JBL09-75 | 1.53%/33.50m | 23.28 | 56.78 | 33.50 |
| " " | | 1.08%/5.30m | 61.55 | 66.85 | 5.30 |
| | | | | | |
| CDC2329098 | JBL09-76 | 1.56%/38.81m | 19.24 | 58.05 | 38.81 |
| " " | | 1.56%/18.20m | 112.48 | 130.68 | 18.20 |
| | | | | | |
| CDC2329098 | JBL09-77 | 1.55%/5.92m | 79.38 | 85.30 | 5.92 |
| | | | | | |
| CDC2329098 | JBL09-78 | 1.52%/19.00m | 16.20 | 35.20 | 19.00 |
| " " | | 1.38%/13.82m | 67.78 | 81.60 | 13.82 |
| | | | | | |
| CDC2329098 | JBL09-79 | 1.64%/3.60m | 22.00 | 25.60 | 3.60 |
| " " | | 1.24%/2.80m | 30.20 | 33.00 | 2.80 |
| " " | | 1.69%/20.20m | 38.48 | 58.68 | 20.20 |
| " " | | 1.47%/12.70m | 66.75 | 79.45 | 12.70 |

## TABLE 7: Interpreted Assay Results per Hole & Swarm [suite]

| SWARMS #12, 13 & 14 | | | | | |
|---|---|---|---|---|---|
| **Claim #** | **Hole** | **$Li_2O$%/ m** | **from** | **to** | **width (m)** |
| CDC2329098 | JBL09-80 | 1.80%/45.50m | 44.50 | 90.00 | 45.50 |
| | | | | | |
| CDC2329098 | JBL09-81 | 1.59%/13.69m | 124.95 | 138.64 | 13.69 |
| | | | | | |
| CDC2329098 | JBL09-82 | 1.19%/5.60m | 45.00 | 50.60 | 5.60 |
| " " | | 1.48%/3.65m | 75.45 | 79.10 | 3.65 |
| " " | | 1.52%/25.31m | 91.84 | 117.15 | 25.31 |
| " " | | 1.46%/15.26m | 142.54 | 157.80 | 15.26 |
| | | | | | |
| CDC2329098 | JBL09-83 | 1.56%/4.20m | 33.35 | 37.55 | 4.20 |
| " " | | 1.49%/18.70m | 42.65 | 61.35 | 18.70 |
| " " | | 1.37%/13.70m | 80.80 | 94.50 | 13.70 |
| " " | | 1.54%/7.51m | 103.94 | 111.45 | 7.51 |
| " " | | 1.13%/4.55m | 114.57 | 119.12 | 4.55 |
| " " | | 1.20%/2.50m | 131.90 | 134.40 | 2.50 |
| | | | | | |
| CDC2329098 | JBL09-84 | 1.71%/8.40m | 9.35 | 17.75 | 8.40 |
| " " | | 1.49%/5.87m | 100.18 | 106.05 | 5.87 |
| " " | | 1.60%/20.79m | 113.88 | 134.67 | 20.79 |

## CHANNEL SAMPLING PROGRAM 2009 & 2010

The channel samples were selected to represent a wide range of pegmatites from swarms #7 to # 15. A 10cm deep cut was performed using a double bladed 14" diamond saw. Due to extreme coarseness of dyke # 15.1, the channel was cut diagonally across the dyke in an attempt to be more representative. Since the spodumene grains tend to align themselves perpendicular to the walls of the dyke, it was felt that this would give us a more accurate estimate of the grade of the pegmatite. A total of 200.5m of channelling were done at the end of the drilling program in 2009, from the 10th to the 22nd August. (see Annex 2)

Channel # 14.10 spreads over two different old claims (read options). Approximately two thirds is located on claim CL5132119 now (CDC2329098), and the rest on claim CL5144671 also now (CDC2329098). The objective of the channel sampling is to correlate the orientation of the pegmatites outcropping with those intercepted with the drilling. Also, it provided additional information on the lithium content of the pegmatites on surface; information which proved useful in calculating the ore resources. The location parameters are indicated on table 8; and the assay certificates are found in annex 8.

**TABLE 8: 2009 Channel Sampling Program**

| CLAIM # | Dyke | Channel | Sampled Length (m) | Date Executed |
|---|---|---|---|---|
| | | | (m) | |
| CDC2329099 | 7.2 | CS-7.20 | 15.00 | 22-Aug-09 |
| CDC2329099 | 8.7 | CS-8.70 | 34.50 | 20-Aug-09 |
| CDC2329099 | 9.2 | CS-9.20 | 18.00 | 19-Aug-09 |
| CDC2329098 | 11.1 | CS-11.10 | 19.50 | 18-Aug-09 |
| CDC2329099 | 12.1 | CS-12.10 | 23.50 | 17-Aug-09 |
| CDC2329098 | 13.1 | CS-13.10 | 20.50 | 16-Aug-09 |
| CDC2329098 | 14.1 | CS-14.10 | 32.50 | 14-Aug-09 |
| CDC2329099 | 15.1 | CS-15.10 | 37.00 | 12-Aug-09 |
| | | total | 200.50 | |

The purpose for the second round of channel samples executed in 2010 was to obtain additional information from the surface, and to add additional data to be included in the next round of ore resource calculation. Drilling usually gave us data starting 30m below from the surface most of the time, it was suggested by our consultant in ore resource calculation to add a few more channels. This would not only raise the overall quality of the resource, but also to confirm a more precise average grade. The technique used was the same as the previous year, and done by Nord-Fort Inc. The location of the channels was on the same dykes as 2009 but more sections were added. In total, 482m were cut from the 19th to the 30th of August 2010. The location summary is found in table 9 below:

**TABLE 9 : 2010 Channel Sampling Program**

| Claim # | Dyke | Channel | Sampled Length (m) | Date Executed |
|---|---|---|---|---|
| CDC2329099 | 7.2 | CS-7.21 | 10.40 | 21-Aug-10 |
| " " | " | CS-7.22 | 21.75 | 20-Aug-10 |
| " " | " | CS-7.23 | 23.40 | 20-Aug-10 |
| " " | " | CS-7.24 | 9.00 | 20-Aug-10 |
| " " | 7.3 | CS-7.30 | 2.00 | 21-Aug-10 |
| " " | " | CS-7.31 | 3.60 | 21-Aug-10 |
| " " | " | CS-7.32 | 5.20 | 21-Aug-10 |
| " " | " | CS-7.33 | 5.40 | 22-Aug-10 |
| " " | 7.4 & 7.5 | CS-7.40 | 6.20 | 21-Aug-10 |
| " " | " | CS-7.41 | 9.30 | 21-Aug-10 |
| " " | " | CS-7.50 | 9.00 | 21-Aug-10 |
| " " | " | CS-7.51 | 9.20 | 22-Aug-10 |
| " " | " | CS-7.52 | 13.90 | 22-Aug-10 |
| CDC2183505 | 7.6 | CS-7.60 | 9.30 | 22-Aug-10 |
| CDC2329099 | " | CS-7.61 | 13.90 | 22-Aug-10 |
| " " | " | CS-7.62 | 7.00 | 22-Aug-10 |
| " " | " | CS-7.63 | 9.70 | 22-Aug-10 |
| CDC2329099 | 8.2 | CS-8.20 | 6.00 | 23-Aug-10 |
| " " | " | CS-8.21 | 2.90 | 23-Aug-10 |
| " " | 8.3 | CS-8.30 | 8.00 | 23-Aug-10 |
| " " | " | CS-8.31 | 9.25 | 23-Aug-10 |
| " " | 8.4 | CS-8.40 | 2.62 | 23-Aug-10 |

**TABLE 9 : 2010 Channel Sampling Program [suite]**

| Claim # | Dyke | Channel | Sampled Length | Date Executed |
|---|---|---|---|---|
| | | | (m) | |
| " " | 8.5 | CS-8.50 | 20.30 | 23-Aug-10 |
| CDC2329099 | 8.5 | CS-8.51 | 10.00 | 23-Aug-10 |
| " " | 8.6 | CS-8.60 | 12.70 | 24-Aug-10 |
| " " | 8.7 | CS-8.71 | 31.95 | 24-Aug-10 |
| " " | 9.1 | CS-9.10 | 6.50 | 25-Aug-10 |
| " " | " | CS-9.11 | 8.10 | 25-Aug-10 |
| " " | 9.2 | CS-9.21 | 7.10 | 25-Aug-10 |
| CDC2329099 | 11.1 | CS-11.11 | 27.60 | 25-Aug-10 |
| CDC2329098 | 12.1 | CS-12.11 | 13.60 | 26-Aug-10 |
| CDC2329098 | 13.1 | CS-13.11 | 22.80 | 26-Aug-10 |
| CDC2329098 | 14.1 | CS-14.11 | 41.00 | 28-Aug-10 |
| CDC2329098 | " | CS-14.12 | 27.85 | 27-Aug-10 |
| " " | " | CS-14.13 | 8.15 | 27-Aug-10 |
| CDC2238478 | " | CS-14.13 | 6.65 | 27-Aug-10 |
| CDC2329097 | 15.1 | CS-15.11 | 20.00 | 29-Aug-10 |
| " " | " | CS-15.12 | 22.50 | 30-Aug-10 |
| | | TOTAL | 482 m | |

## CHANNELLING INTERPRETATION

The assay results from the surface channels returned much the same range of results reported from the diamond drill holes. Averages of the 2009 sampling varied from a low of 1.37% $Li_2O$ %/18m for channel CS-9.20 to a high of 1.76% $Li_2O$ %/23.5m for channel 12.10. The results for the rest of the channels are reported in table 10 below:

**TABLE 10 : 2009 CHANNEL SAMPLING RESULTS**

| Channel | tag | tag | Intercept (m) | $Li_2O$ % | at | GPS | GPS |
|---|---|---|---|---|---|---|---|
| | from | to | | | (m) | E | N |
| CS-7.20 | 1987 | 1996 | 15.0 | **1.62%/15.0m** | 0.0 | 358908 | 5789214 |
| | - | - | | | 15.0 | 358895 | 5789221 |
| CS-8.70 | 1961 | 1986 | 34.5 | **1.68%/34.5m** | 0.0 | 358600 | 5789352 |
| " | - | - | | | 35.3 | 358585 | 5789376 |
| CS-9.20 | 1948 | 1960 | 18.0 | **1.37%/18.0m** | 0.0 | 358509 | 5789383 |
| " | - | - | | | 18.0 | 358495 | 5789394 |
| CS-11.10 | 1934 | 1947 | 19.5 | **1.55%/19.5m** | 0.0 | 358311 | 5789430 |
| " | - | - | | | 19.5 | 358301 | 5789448 |
| CS-12.10 | 1917 | 1933 | 23.5 | **1.76%/23.5m** | 23.5 | 358089 | 5789450 |
| " | - | - | | | 23.5 | 358089 | 5789450 |
| CS-13.10 | 1901 | 1916 | 20.5 | **1.57%/20.5m** | 0.0 | 357947 | 5789534 |
| " | | | | | 20.5 | 357939 | 5789548 |
| CS-14.10 | 926 | 947 | 32.5 | **1.54%/32.5m** | 0.0 | 357901 | 5789598 |
| " | | | | | 30.0 | 357872 | 5789610 |
| CS-15.10 | 901 | 925 | 37.0 | **1.52%/36.0m** | 0.0 | 357326 | 5789835 |
| " | | | | | 37.0 | 357326 | 5789835 |

Additional channels were cut in 2010 at the suggestion of our ore resource consultant. The results are more erratic in distribution than those of the 2009 program. The channels were cut at a larger number of different sections over the same dyke; and their thickness varied also significantly. Intercepts varied from a high of 1.56 $Li_2O$ %/25.65m on channel CS-14.12 to a low of 1.05% $Li_2O$ %/20.0m on channel CS-15.11. See table 11 for all results pertaining to the 2010 channel sampling program. All assay certificates are found in Annex 8.

## TABLE 11: 2010 CHANNEL SAMPLING RESULTS

| | tag | tag | | | | | |
|---|---|---|---|---|---|---|---|
| Channel | from (m) | to (m) | Intercept (m) | $Li_2O$ % | at (m) | GPS (E) | GPS (N) |
| | | | | | | | |
| CS-7.21 | 23041 | 23048 | 10.40 | **1.51%/10.40m** | 0.0 | 358922 | 5789248 |
| " | | | | | 10.4 | 358898 | 5789254 |
| CS-7.22 | 23026 | 23040 | 25.00 | **1.40%/15.75m &** | 0.0 | 358899 | 5789176 |
| " | | | | **1.34%/3.0m** | 25.0 | 358884 | 5789191 |
| CS-7.23 | 23002 | 23017 | 23.40 | **1.64%/22.5m** | 0.0 | 358888 | 5789155 |
| " | | | | | 23.4 | 358869 | 5789166 |
| CS-7.24 | 23018 | 23025 | 9.00 | **1.69%/9.0m** | 0.0 | 358865 | 5789138 |
| " | | | | | 7.5 | 358854 | 5789140 |
| CS-7.30 | 23049 | 23050 | 2.00 | **1.05%/2.0m** | 0.0 | 358901 | 5789255 |
| " | | | | | 2.0 | 358900 | 5789256 |
| CS-7.31 | 23051 | 23053 | 3.60 | **1.47%/3.6m** | 0 | 358884 | 5789235 |
| " | | | | | 3.6 | 358881 | 5789237 |
| CS-7.32 | 23054 | 23057 | 5.20 | **1.95%/3.7m** | 0 | 358873 | 5789214 |
| " | | | | | 5.2 | 358868 | 5789216 |
| CS-7.33 | 23087 | 23090 | 6.70 | **1.41%/6.7m** | 0.0 | 358861 | 5789186 |
| " | | | | | 6.7 | 358857 | 5789190 |
| CS-7.40 | 23058 | 23059 | 6.20 | **1.52%/6.2m** | 0 | 358857 | 5789258 |
| " | | | | | 6.2 | 358854 | 5789262 |
| CS-7.41 | 23071 | 23078 | 9.30 | **1.05%/9.3m** | 0.0 | 358838 | 5789228 |
| " | | | | | 9.3 | 358832 | 5789233 |
| CS-7.50 | 23063 | 23067 | 5.80 | **1.37%/5.8m** | 0.0 | 358850 | 5789264 |
| " | | | | | 5.8 | 358846 | 5789266 |
| " | 23068 | 23070 | 3.20 | **><1%/3.2m** | 13.1 | 358842 | 5789272 |
| " | | | | | 16.3 | 358839 | 5789274 |
| CS-7.51 | 23079 | 23086 | 9.20 | **1.56%/9.2m** | 0.0 | 358829 | 5789236 |
| " | | | | | 9.2 | 358821 | 5789239 |
| CS-7.52 | 23121 | 23132 | 13.90 | **1.45%/13.9m** | 0.0 | 358800 | 5789189 |
| " | | | | | 13.9 | 358788 | 5789196 |

**TABLE 11: 2010 CHANNEL SAMPLING RESULTS[suite]**

| | tag | tag | | | | | |
|---|---|---|---|---|---|---|---|
| Channel | from (m) | to (m) | Intercept (m) | $Li_2O$ % | at (m) | GPS (E) | GPS (N) |
| | | | | | | | |
| CS-7.60 | 23101 | 23108 | 9.30 | **1.56%/9.3m** | 0.0 | 358813 | 5789288 |
| " | | | | | 9.3 | 358806 | 5789296 |
| CS-7.61 | 23091 | 23100 | 13.90 | **1.49%/13.9m** | 0.0 | 358815 | 5789244 |
| " | | | | | 13.9 | 358805 | 5789251 |
| CS-7.62 | 23109 | 23113 | 7.00 | **1.51%/6.0m** | 0.0 | 358796 | 5789222 |
| " | | | | | 7.0 | 358794 | 5789227 |
| CS-7.63 | 23114 | 23120 | 9.70 | **1.42%/9.7m** | 0.0 | 358782 | 5789208 |
| " | | | | | 9.7 | 358774 | 5789214 |
| CS-8.20 | 23133 | 23136 | 6.00 | **1.39%/4.5m** | 0.0 | 358760 | 5789333 |
| " | | | | | 6.0 | 358751 | 5789333 |
| CS-8.21 | 23151 | 23152 | 2.90 | **1.61%/2.9m** | 0.0 | 358738 | 5789302 |
| " | | | | | 2.9 | 358737 | 5789305 |
| CS-8.30 | 23137 | 23142 | 8.00 | **1.33%/8.0m** | 0.0 | 358746 | 5789339 |
| " | | | | | 8.0 | 358737 | 5789344 |
| CS-8.31 | 23143 | 23150 | 9.25 | **1.36%/9.25m** | 0.0 | 358730 | 5789318 |
| " | | | | | 9.25 | 358725 | 5789321 |
| CS-8.40 | 23161 | 23162 | 2.60 | **1.29%/2.6m** | 0.0 | 358669 | 5789290 |
| " | | | | | 2.6 | 358668 | 5789291 |
| CS-8.50 | 23163 | 23177 | 20.30 | **1.52%/18.8m** | 0.0 | 358660 | 5789288 |
| " | | | | | 20.3 | 358645 | 5789302 |
| CS-8.51 | 23153 | 23158 | 8.00 | **1.47%/8.0m &** | 0.0 | 358684 | 5789334 |
| " | | | | | 8.0 | 358676 | 5789339 |
| " | 23159 | 23160 | 2.00 | **1.27%/2.0m** | 11.0 | 358674 | 5789338 |
| " | | | | | 13.0 | 358672 | 5789338 |
| CS-8.60 | 23180 | 23188 | 12.70 | **1.64%/12.7m** | 0.0 | 358628 | 5789350 |
| " | | | | | 12.7 | 358616 | 5789356 |
| CS-8.71 | 23189 | 23212 | 31.95 | **1.40%/30.45m** | 0.0 | 358588 | 5789336 |
| " | | | | | 31.95 | 358564 | 5789360 |

**TABLE 11: 2010 CHANNEL SAMPLING RESULTS [suite]**

| | tag | tag | | | | | |
|---|---|---|---|---|---|---|---|
| Channel | from (m) | to (m) | Intercept (m) | $Li_2O$ % | at | GPS | GPS |
| | | | | | meters | E | N |
| CS-9.10 | 23214 | 23218 | 6.50 | **1.46%/6.5m** | 0.0 | 358527 | 5789381 |
| " | | | | | 6.5 | 358520 | 5789380 |
| CS-9.11 | 23219 | 23224 | 8.10 | **1.47%/8.1m** | 0.0 | 358528 | 5789423 |
| | | | | | 8.1 | 358520 | 5789425 |
| CS-9.21 | 23225 | 23229 | 7.10 | **1.54%/7.1m** | 0.0 | 358511 | 5789429 |
| " | | | | | 7.1 | 358504 | 5789428 |
| CS-11.11 | 23230 | 23251 | 27.60 | **1.33%/16.9m** | 0.0 | 358339 | 5789457 |
| " | | | | | 27.6 | 358320 | 5789479 |
| CS-12.11 | 23252 | 23264 | 13.60 | **1.52%/6.0m** | 0.0 | 358134 | 5789514 |
| " | | | | | 13.6 | 358127 | 5789524 |
| CS-13.11 | 23265 | 23282 | 22.80 | **1.72%/22.5m** | 0.0 | 357927 | 5789527 |
| " | | | | | 22.80 | 357922 | 5789546 |
| CS-14.11 | 23343 & | | 41.00 | **1.48%/40.5m** | 0.0 | 357930 | 5789616 |
| " | 23313 | 23341 | | | 41.0 | 357918 | 5789656 |
| CS-14.12 | 23283 | 23301 | 27.85 | **1.56%/25.65m** | 0.0 | 357862 | 5789577 |
| " | | | | | 27.85 | 357845 | 5789600 |
| CS-14.13 | 23302 | 23312 | 14.80 | **1.47%/9.7m** | 0.0 | 357823 | 5789612 |
| " | | | | | 13.85 | 357818 | 5789598 |
| CS-15.11 | 23346 | 23360 | 20.0 | **1.05%/20.0m** | 0.0 | 357361 | 5789851 |
| " | | | | | 20.0 | 357364 | 5789869 |
| CS-15.12 | 23361 | 23376 | 22.5 | **1.12%/22.5m** | 0 | 357301 | 5789828 |
| " | | | | | 22.5 | 357299 | 5789853 |

## JAMES BAY GEOCHEMISTRY

The whole rock determinations included in table 12 below are semi-quantitative [A-45] and [A-05] assays by COREM. The average composition indicated the pegmatites as granitic to alkaline-granite in composition with a low iron and high phosphorus content. A total of 145 determinations are reported, all came from spodumene bearing pegmatites. The principle reason for the [A-45] semi-quantitative analysis was to check for the presence of rare-earths, tantalum and other rare metals often found in such class and type of pegmatite. A more accurate whole rock assay suite will be found in our ore processing report later. Assay certificates are in Annex 7.

**TABLE 12 : Whole Rock & minor elements Geochemistry James Bay Lithium project**

| Major Elements (n=145) | | min | max | average (%)[1] |
|---|---|---|---|---|
| (recalculated to oxides) | $Al_2O_3$ | 8.88 | 18.89 | 16.51 |
| | CaO | 0.07 | 1.54 | 0.36 |
| | $FeO_{(TOT)}$ | 0.30 | 2.19 [6] | 0.91 |
| | $K_2O$ | 0.23 | 7.83 | 3.02 |
| | MgO | < 0.08 | 0.76 | < 0.17 |
| | MnO | < 0.06 | 0.31 | < 0.09 |
| | $Na_2O$ | 0.57 | 9.97 | 4.42 |
| | $P_2O_5$ | 0.18 | 4.46 [5] | 0.54 |
| | $SiO_2$ | 51.3 | 85.6 | 69.70 |
| | $TiO_2$ | < 0.08 | 0.22 | < 0.17 |

Considered mineralizing elements are lithium and beryllium; one must not confuse the average lithium grade of the James Bay deposit with the average from this A-45 determination. The values of 1.34% $Li_2O$ and 304ppm BeO are only indicative value of the economic potential of the respective elements.

Note (1): Unless indicated as an assay; all values are semi-Quantitative (+/-10%)

Note (6): High total iron values are indicative of samples contaminated with some host rock material (see arsenic & sulphur values below).

**TABLE 12 : Whole Rock & minor elements Geochemistry – mineralizing elements** [suite]

| **Mineralizing elements** (n=145) | | min | max | average (%) |
|---|---|---|---|---|
| (assay recalculated to oxides) | $Li_2O$ (2) | 0.02 | 3.10 | 1.34 |
| **Mineralizing elements** (n=112) | | | | |
| (assay recalculated to oxides) | BeO (3) | < 0.30 | 1007 | 320 |

note (2): lithium assays are the values corresponding to the 145 samples where Rb & Be were determined only.
note (3) 112 samples were randomly selected for Be assaying.

Other elements such as rubidium and phosphorus are not considered mineralizing elements, they will be compiled with the minors.

**TABLE 12: Whole Rock & minor elements Geochemistry – mineralizing elements** [suite]

| **Minor elements** (n=145) | | min | max | average (%) |
|---|---|---|---|---|
| ( assay recalculated to oxides) | $P_2O_5$ | 0.18 | 4.46 (5) | 0.54 |
| **Minor elements** (n=33) | Rb (4) | < 0.05 | 0.31 (7) | < 0.15 |

note (4): 33 samples were randomly selected for Rb assaying.
note (5): this anomalous $P_2O_5$ value was confirmed by check assay.
note (7): high Rb values are usually found close to the contact of the pegmatites with some host rock.

Although anomalous at 1500ppm, rubidium is not considered an economic metallic source. The minor elements shown in table 12 below indicate slightly anomalous values of zinc arsenic and sulfur. More likely, the explanation for this stems from the remobilization of sulphides contained in the sediments near the walls of the fractures as the hot gases forming the pegmatites heat up the contacts with the meta-sediments.

**TABLE 12: Whole Rock & minor elements Geochemistry – anomalous elements**

[suite]

| **Minor elements** (n=145) | | min | max | average (%) |
|---|---|---|---|---|
| | As | < 0.05 | 0.17 [(6)] | < 0.05 |
| | Cd | < 0.01 | 0.04 | < 0.01 |
| | Cr | < 0.05 | 0.11 | < 0.05 |
| | F | < 0.10 | 0.11 | < 0.10 |
| | Nb [(8)] | < 0.01 | 0.07 | < 0.02 |
| | Pb | < 0.01 | 0.02 | < 0.01 |
| | S | < 0.05 | 0.15 [(6)] | < 0.08 |
| | Sn | < 0.01 | 0.11 | < 0.03 |
| | Sr | < 0.01 | 0.07 | < 0.02 |
| | Y | < 0.01 | 0.02 | < 0.01 |
| | Zn | < 0.05 | 0.20 | < 0.05 |
| | Zr | < 0.01 | 0.03 | < 0.01 |

Note (6) high arsenic and sulphur values are indicative of samples contaminated with some host rock material (see also total iron above).

Note (8): Niobium is not considered a mineralizing element in these pegmatites.

All other elements including tantalum, rare earths, uranium and thorium were below detection limits. See table 12 below:

**TABLE 12: Whole Rock & minor elements Geochemistry – below detection limit** [suite]

| **Below detection limits** (n=145) | | % | | % |
|---|---|---|---|---|
| | Ag | < 0.01 | Mo | < 0.01 |
| | Ba | < 0.05 | Ni | < 0.05 |
| | Bi | < 0.01 | Sb | < 0.01 |
| | Br | < 0.05 | Sc | < 0.01 |
| | Ce | < 0.05 | Se | < 0.05 |
| | Cl | < 0.10 | Ta | < 0.05 |
| | Co | < 0.05 | Te | < 0.05 |
| | Cs | < 0.05 | Th [(9)] | < 0.01 |
| | Cu | < 0.05 | Tl | < 0.01 |
| | Ga | < 0.05 | V | < 0.05 |
| | La | < 0.05 | W | < 0.05 |
| Below detection limits (n=33) | | % | | % |
| | Au | < 0.01 | Nd | < 0.05 |
| | Dy | < 0.10 | Os | < 0.05 |
| | Eu | < 0.05 | Pd | < 0.01 |
| | Gd | < 0.05 | Pm | < 0.05 |
| | Ge | < 0.05 | Pr | < 0.05 |
| | Hf | < 0.05 | Pt | < 0.01 |
| | Hg | < 0.01 | Re | < 0.05 |
| | Ho | < 0.05 | Sm | < 0.05 |
| | I | < 0.01 | Tb | < 0.10 |
| | In | < 0.01 | U [(9)] | < 0.01 |
| | Ir | < 0.05 | Yb | < 0.05 |
| | Lu | < 0.05 | | |

Note (9): No uranium nor thorium has been detected in these pegmatites.

## HOST ROCK ANALYSIS

Arsenopyrite is the most abundant sulfide encountered on this property; the development of the spodumene-pegmatites in a hot environment probably caused some remobilization of arsenopyrite near the tourmaline-rich contacts with the dykes. A selection of 10 core samples enriched in the tourmaline and arsenopyrite were sampled from the wall-rocks of metasedimentary origin. The 13.65m section located in hole JBL09-13 was tested for gold in a continuous section of core from 33.0m to 46.65m, and returned very low values between 10 to 59 ppb Au. An additional 3.65 m section of 3 samples returned from 6 to 14 ppb gold from a quartz tourmaline vein. The selection of 13 sulfides bearing samples were sent to ALS lab in Val d'Or and assayed by standard fire-assay method for gold. A complete certificate of analysis (# VO09072723) is presented in Annex 6.

## SPECIFIC GRAVITY MEASUREMENTS ON JAMES BAY PEGMATITE

Spodumene is a pyroxene, a mineral with a SG of 3.1. With this in mind, one would expect that the higher the spodumene content of a pegmatite, the larger its SG. A test was then made to determine the SG of different dykes (see column A, table 13) by taking selected samples of 15-20 cm between the tag numbers (column B to C, table 13). By comparing the results (column E) with the average grade of the section from where the sample came from; one can estimate the average specific gravity to be near 2.7. Selecting more than one piece of core per intercept and averaging the results would give a more precise SG indication. The samples had been sent to the processing lab; they were selected by their apparent homogeneity from photographs.

**TABLE 13: [SG] DETERMINATION ON ORE-GRADE PEGMATITE SAMPLES**

| | A | B | C | D | E |
|---|---|---|---|---|---|
| | Dyke # | Sample (from) | Sample (to) | Calculated grade | measured (SG) |
| 1 | 9.2 | 399 | 402 | 1.00%/6.00m | 2.70 |
| 2 | 11.2 | 1610 | 1613 | 1.15%/4.74m | 2.72 |
| 3 | 9.2 | 354 | 357 | 1.25%/5.84m | 2.65 |
| 4 | 8.7 | 234 | 237 | 1.33%/6.05m | 2.74 |
| 5 | 8.3 | 105 | 107 | 1.44%/3.53m | 2.67 |
| 6 | 8.3 | 279562 | 279565 | 1.55%/4.81m | 2.77 |
| 7 | 7.2 | 753407 | 753409 | 1.63%/4.00m | 2.75 |
| 8 | 7.2 | 753085 | 753087 | 1.79%/3.95m | 2.83 |
| 9 | 13.2 | 2226 | 2228 | 1.83%/4.5m | 2.75 |
| 10 | 7.6 | 753534 | 753536 | 1.95%/4.00m | 2.81 |
| 11 | 7.2 | 753025 | 753027 | 2.07%/3.98m | 2.76 |
| 12 | 8.7 | 658 | 659 | 2.19%/2.12m | 2.76 |
| 13 | 7.2 | 753366 | 753369 | 2.24%/4.82m | 2.76 |
| 14 | 10.4 | 1545 | 1546 | 2.46%/2.15m | 2.81 |

# ANALYTICAL PROCEDURES & QUALITY CONTROL

All the mineralized cores were sampled in the field. The core was halved using a 14"diamond saw; then sent to the sample preparation lab "Table Jamésienne de Concertation Minière" (TJCM) in Chibougamau. Here the samples were crushed in a primary crusher, mixed and split; then a representative sample was extracted and pulverized using silicon carbide discs. Formerly (see 2008 Exploration Report) the core was split; however this practice was discontinued in 2009, because spodumene is a coarse mineral and its cleavage is excellent. It was felt that we would get a more accurate split by sawing the core instead.

**LITHIUM ASSAYING**

Two standards had been prepared from surface spodumene-bearing pegmatite at the sample preparation lab (TJCM): a low-grade standard, and a high-grade one. Duplicates were produced by quartering split halves of core by saw. The blank samples used by the prep lab consisted of straight swimming pool filtering sand; these, together with the standards, were inserted alternatively every 20 samples in the tagging sequence. The duplicates were inserted in the sequence every 40 samples. A total of 84 blank samples, 80 high-value standards and 80 low value standards were inserted during the sampling of the drilling campaign. All the blank samples returned <100ppm $Li_2O$. The average value of the low grade standard was 0.83% $Li_2O$ and the high grade standard was 1.34% $Li_2O$. (see table 14 below).There were 95 samples duplicated; the results are found in Annex 12.

**Table 14: List of standards, blanks & duplicates.**

| | duplicates | low-standard | high-standard | blank |
|---|---|---|---|---|
| # of samples | 95 | 80 | 80 | 85 |
| range of values | (results in Annex 12) | from 0.73% to 0.90% $Li_2O$ | from 1.21% to 1.47% $Li_2O$ | from <100ppm to <100ppm |
| average | n/a | 0.83% $Li_2O$ | 1.34% $Li_2O$ | <100ppm |

All the 3577 samples of pegmatite cores halves were prepared in the same manner; they were assayed for lithium (Li) at the Québec City research Lab COREM. The results were converted into $Li_2O$ using the formula [$Li_2O = Li/0.46457$]. The analysis at COREM is a full assay technique using a total ($HF/HClO_4$) acid attack of the sample. This method consists in dissolving the sample with concentrated nitric ($HNO_3$), perchloric ($HClO_4$) and fluoric (HF) acids; this process is repeated twice, the dissolution is finished in boiling water. The dissolved sample is analyzed by atomic absorption (AA) spectrometry [see protocol details on table 15 below]. The certificates from COREM are also found in Annex 3 & 8. A low number of sampling errors were discovered during the drilling campaign. Through verification and re-assaying; all sampling discrepancies were solved and accounted for.

## CHECK ASSAYS

In total, 223 checks assays were done on pulp samples and another 243 were carried out using the rejects from the preparation lab. Two labs were selected to carry out our check analysis: SGS-Lakefield & ALS-Chemex. The SGS check samples were analyzed using a sodium peroxide fusion with an Atomic Absorption finish (Table 15, SGS Method 9-8-40). The ALS Chemex check analyses were conducted on 0.4 gram of sample using a four acid digestion with an ICP-AES finish (Table 15, ALS Chemex Method Li-OG63). See Annexes 4 & 5 for certificates.

The check analysis programs conducted at ALS Chemex and SGS validate earlier analyses conducted at COREM (Report by geochemistry consultant Dr. Jeff Jaacks). See the full report in Annex 9. For comparative purposes, approximately 119 samples were sent to SGS in the first check analysis program. This selection included 5 high grade standards, 5 low grade standards and nine blanks, which were incorporated into the sample stream and blinded to the laboratory. Another 140 samples were sent to ALS Chemex in the secondary check analysis program. This submittal included 10 high grade standards, 10 low grade standards, 10 blanks and 20 sets of duplicates were also incorporated into the sample stream and blinded to the check analysis laboratory. Duplicates were prepared by splitting a subset of the original pulps into 2 samples. All of the blank analyses were within five times the stated detection limit for the analytical methods used at each laboratory. This indicates that no carry over contamination occurred during the check analysis program.

COREM, ALS Chemex and SGS digestion methods for $Li_2O$ are all considered to be total digestions, but there are significant differences between the protocols (Table 15).

| Table 15. Analytical Protocols & Quality Control of Assays | | |
|---|---|---|
| **COREM Protocol** | **SGS Method 9-8-40** | **ALS Method Li OG63** |
| A. Digestion<br><br>1. Weigh exactly about 0.50 g of the sample in a 50 ml Teflon beaker and prudently add 2 ml $HClO_4$, (perchloric acid) and 10 ml HF (hydrofluoric acid).<br>2. Heat on medium heat on a heating plate and evaporate to dryness.<br>3. Add 2 ml of $HClO_4$ and 10 ml of HF and heat again and evaporate to dryness.<br>4. Add once more, 2 ml of $HClO_4$ and evaporate to dryness till there is no emission of white fumes.<br>5. Start over the process using this time 10 ml of HCl (hydrochloric acid) and heat a few minutes (15 minutes). Add 25 ml of boiling water and boil on a heating plate till complete dissolution of the residue.<br>6. Transfer the solution to a 250 ml volumetric flask by rinsing the Teflon basin with small quantities of water and then complete with water to the reference line.<br><br>B. Analysis<br><br>1. The solution is analyzed by atomic absorption at lithium specified wavelength and the result is obtained by comparing to the lithium standard curve. | A. Digestion<br><br>1. 0.25 g of the sample is mixed with sodium peroxide in a zirconium crucible.<br>2. The sodium peroxide and sample are fused until they form a homogeneous melt.<br>3. The fusion melt is then cooled and re-dissolved in dilute hydrochloric acid. The fused and re-dissolved sample is now ready for analysis by atomic absorption.<br><br>B. Analysis<br><br>1. The solution is analyzed by atomic absorption at lithium specified wavelength and the result is obtained by comparing to the lithium standard curve. | A. Digestion<br><br>1. A ~ 0.4g sample is first digested with $HClO_4$, HF, and $HNO_3$ until dryness.<br>2. The residue is subsequently re-digested in concentrated HCl, cooled and topped up to volume.<br><br>B. Analysis<br><br>1. The samples are analyzed for Li by ICP-AES spectroscopy. The range is 0.01 – 10% Li. |

The table below summarizes the results from the SGS and ALS check assays, together with the corresponding original COREM assay.

**TABLE 16: Comparative $Li_2O$ results between laboratories.**

| Assay # (pulp) | | $Li_2O$ | $Li_2O$ | Renumbering | $Li_2O$ |
|---|---|---|---|---|---|
| Original # | Source | COREM | SGS revised) | ALS List | ALS-Chemex |
| 753005 | Pegmatite | 1.41 | 1.57 | 201001 | 1.49 |
| 61 | Duplicate of 568781 | 1.26 | - | 201002 | 1.44 |
| 279978 | Pegmatite | 2.26 | 2.82 | 201003 | 2.69 |
| 753474 | Pegmatite | 1.60 | 1.79 | 201004 | 1.61 |
| 99 | **Blank** | <100 ppm | - | 201005 | <0.02 |
| 779 | Pegmatite | 0.84 | 0.95 | 201006 | 0.88 |
| 279833 | Duplicate of 568783 | 2.35 | - | 201007 | 2.56 |
| 753008 | Pegmatite | 2.05 | 2.30 | 201008 | 2.22 |
| 238 | Duplicate of 568818 | 0.05 | - | 201009 | 0.06 |
| 168 | **Standard-High** | 1.35 | - | 201010 | 1.36 |
| 780 | Pegmatite | 1.48 | 1.57 | 201011 | 1.42 |
| 568781 | Duplicate of 061 | 1.60 | - | 201012 | 1.57 |
| 279977 | Pegmatite | 1.67 | 1.72 | 201013 | 1.57 |
| 804 | Duplicate of 967 | 0.50 | 0.50 | 201014 | 0.45 |
| 262 | **Standard-Low** | 0.85 | - | 201015 | 0.82 |
| 1761 | Pegmatite | 0.78 | 0.84 | 201016 | 0.75 |
| 753478 | Pegmatite | 4.24 | 4.52 | 201017 | 4.28 |
| 279807 | Pegmatite | 2.13 | 2.45 | 201018 | 2.28 |
| 115 | Duplicate of 568815 | 1.72 | - | 201019 | 1.77 |
| 782 | **Blank** | <100 ppm | < 0.002 | 201020 | <0.02 |
| 798 | Pegmatite | 0.26 | 0.37 | 201021 | 0.34 |
| 314 | Duplicate of 568820 | 1.77 | - | 201022 | 1.79 |
| 2534 | Pegmatite | 1.04 | 1.18 | 201023 | 1.18 |
| 753006 | Pegmatite | 1.71 | 1.87 | 201024 | 1.79 |
| 489 | **Standard-Low** | 0.89 | - | 201025 | 0.86 |
| 1064 | Pegmatite | 0.73 | 0.75 | 201026 | 0.69 |
| 568783 | Duplicate of 279833 | 2.20 | - | 201027 | 2.26 |
| 2537 | Pegmatite | 1.35 | 1.53 | 201028 | 1.42 |

**TABLE 16: Comparative $Li_2O$ results between laboratories. (suite)**

| Assay # (pulp) | | $Li_2O$ | $Li_2O$ | Renumbering | $Li_2O$ |
|---|---|---|---|---|---|
| Original # | Source | COREM | SGS revised) | ALS List | ALS-Chemex |
| 781 | Pegmatite | 1.63 | 1.77 | 201029 | 1.64 |
| 555 | **Standard-High** | 1.44 | - | 201030 | 1.42 |
| 792 | Pegmatite | 0.82 | 0.86 | 201031 | 0.86 |
| 568798 | Duplicate of 646 | 2.35 | - | 201032 | 0.95 |
| 2533 | Pegmatite | 1.65 | 1.98 | 201033 | 1.98 |
| 783 | Pegmatite | 2.80 | 2.93 | 201034 | 2.95 |
| 753010 | **Blank** | <100 ppm | < 0.002 | 201035 | <0.02 |
| 279976 | Pegmatite | 1.23 | 1.25 | 201036 | 1.21 |
| 646 | Duplicate of 568798 | 0.82 | - | 201037 | 0.84 |
| 784 | Pegmatite | 0.63 | 0.69 | 201038 | 0.69 |
| 2251 | Pegmatite | 1.00 | 1.14 | 201039 | 1.14 |
| 791 | **Standard-High** | 1.35 | 1.44 | 201040 | 1.46 |
| 787 | Pegmatite | 0.68 | 0.86 | 201041 | 0.84 |
| 279962 | Pegmatite | 1.59 | 1.66 | 201042 | 1.66 |
| 2349 | Pegmatite | 1.32 | 1.49 | 201043 | 1.42 |
| 2245 | Pegmatite | 0.89 | 1.05 | 201044 | 0.99 |
| 1094 | **Standard-Low** | 0.81 | 0.86 | 201045 | 0.88 |
| 2531 | Pegmatite | 0.06 | 0.09 | 201046 | 0.09 |
| 753471 | Pegmatite | 0.37 | 0.43 | 201047 | 0.41 |
| 843 | Duplicate of 968 | 2.56 | - | 201048 | 2.50 |
| 2535 | Pegmatite | 1.09 | 1.25 | 201049 | 1.23 |
| 2345 | **Blank** | <100 ppm | 0.00 | 201050 | <0.02 |
| 788 | Pegmatite | 1.74 | 1.89 | 201051 | 1.83 |
| 967 | Duplicate of 804 | 0.77 | - | 201052 | 0.80 |
| 279941 | Pegmatite | 1.58 | 1.68 | 201053 | 1.68 |
| 1733 | Pegmatite | 0.67 | 0.75 | 201054 | 0.69 |
| 2271 | **Standard-Low** | 0.73 | - | 201055 | 0.86 |
| 1755 | Pegmatite | 1.48 | 1.55 | 201056 | 1.46 |
| 2540 | Pegmatite | 1.64 | 1.74 | 201057 | 1.72 |
| 968 | Duplicate of 843 | 2.14 | - | 201058 | 2.37 |
| 790 | Pegmatite | 0.10 | 0.14 | 201059 | 0.15 |
| 1318 | **Standard-High** | 1.39 | - | 201060 | 1.44 |

## TABLE 16: Comparative $Li_2O$ results between laboratories. (suite)

| Assay # (pulp) Original # | Source | $Li_2O$ COREM | $Li_2O$ SGS revised) | Renumbering ALS List | $Li_2O$ ALS-Chemex |
|---|---|---|---|---|---|
| 793 | Pegmatite | 0.94 | 0.99 | 201061 | 0.97 |
| 279965 | Pegmatite | 2.20 | 2.32 | 201062 | 2.30 |
| 970 | Duplicate of 1022 | 1.80 | - | 201063 | 2.02 |
| 2350 | Pegmatite | 1.90 | 2.20 | 201064 | 2.15 |
| 797 | Pegmatite | 1.43 | 1.49 | 201065 | 1.46 |
| 2253 | **Blank** | <100 ppm | 0.01 | 201066 | 0.02 |
| 2254 | Pegmatite | 0.30 | 0.34 | 201067 | 0.34 |
| 279973 | Pegmatite | 1.98 | 2.11 | 201068 | 2.00 |
| 973 | Duplicate of 1145 | 1.03 | - | 201069 | 1.05 |
| 2539 | Pegmatite | 2.71 | 2.93 | 201070 | 2.88 |
| 1749 | **Standard-Low** | 0.77 | 0.88 | 201071 | 0.88 |
| 794 | Pegmatite | 1.13 | 1.18 | 201072 | 1.01 |
| 2545 | Pegmatite | 1.27 | 1.31 | 201073 | 1.18 |
| 974 | Duplicate of 1186 | 0.98 | - | 201074 | 1.05 |
| 2547 | Pegmatite | 2.11 | 2.15 | 201075 | 2.13 |
| 279804 | Pegmatite | 0.02 | 0.03 | 201076 | 0.04 |
| 2542 | **Standard-High** | 1.33 | 1.46 | 201077 | 1.42 |
| 279808 | Pegmatite | 1.79 | 2.00 | 201078 | 2.00 |
| 981 | Duplicate of 1472 | 0.91 | - | 201079 | 0.95 |
| 279971 | Pegmatite | 1.35 | 1.40 | 201080 | 1.29 |
| 985 | Duplicate of 2141 | 1.34 | - | 201081 | 1.46 |
| 803 | Pegmatite | 3.79 | 3.81 | 201082 | 3.64 |
| 1585 | **Standard-Low** | 0.79 | - | 201083 | 0.86 |
| 2552 | Pegmatite | 3.40 | 3.34 | 201084 | 3.27 |
| 805 | Pegmatite | 0.02 | 0.03 | 201085 | 0.04 |
| 279958 | Pegmatite | 1.19 | 1.21 | 201086 | 1.16 |
| 987 | Duplicate of 2221 | 1.37 | - | 201087 | 1.51 |
| 1061 | Pegmatite | 0.42 | 0.43 | 201088 | 0.39 |
| 1728 | **Standard-High** | 1.34 | 1.49 | 201089 | 1.42 |
| 1062 | Pegmatite | 1.92 | 2.07 | 201090 | 2.02 |
| 279945 | Pegmatite | 1.84 | 1.94 | 201091 | 1.98 |
| 989 | Duplicate of 2305 | 1.36 | - | 201092 | 1.57 |

## TABLE 16: Comparative $Li_2O$ results between laboratories. (suite)

| Assay # (pulp) Original # | Source | $Li_2O$ COREM | $Li_2O$ SGS revised) | Renumbering ALS List | $Li_2O$ ALS-Chemex |
|---|---|---|---|---|---|
| 279651 | Pegmatite | 0.31 | 0.34 | 201093 | 0.34 |
| 2551 | **Blank** | <100 ppm | < 0.002 | 201094 | <0.02 |
| 1088 | Pegmatite | 0.13 | 0.19 | 201095 | 0.17 |
| 279959 | Pegmatite | 1.31 | 1.31 | 201096 | 1.29 |
| 990 | Duplicate of 2339 | 1.48 | - | 201097 | 1.49 |
| 279953 | Pegmatite | 2.04 | 2.02 | 201098 | 2.09 |
| 279647 | Pegmatite | 1.90 | 2.13 | 201099 | 1.87 |
| 2130 | **Standard-High** | 1.22 | - | 201100 | 1.42 |
| 1091 | Pegmatite | 1.96 | 2.11 | 201101 | 2.00 |
| 568815 | Duplicate of 115 | 1.47 | - | 201102 | 1.53 |
| 753472 | Pegmatite | 0.59 | 0.67 | 201103 | 0.65 |
| 1022 | Duplicate of 970 | 1.70 | - | 201104 | 1.94 |
| 2553 | Pegmatite | 2.60 | 2.67 | 201105 | 2.65 |
| 2561 | **Standard-Low** | 0.89 | 0.90 | 201106 | 0.90 |
| 279649 | Pegmatite | 1.76 | 2.00 | 201107 | 2.02 |
| 568818 | Duplicate of 238 | 0.03 | - | 201108 | 0.04 |
| 279966 | Pegmatite | 0.86 | 0.88 | 201109 | 0.86 |
| 1145 | Duplicate of 973 | 1.08 | - | 201110 | 1.14 |
| 1092 | Pegmatite | 0.97 | 1.03 | 201111 | 1.03 |
| 279650 | **Blank** | <100 ppm | < 0.002 | 201112 | <0.02 |
| 2544 | Pegmatite | 1.56 | 1.74 | 201113 | 1.68 |
| 279955 | Pegmatite | 1.86 | 1.92 | 201114 | 1.94 |
| 2538 | Pegmatite | 3.27 | 3.47 | 201115 | 3.36 |
| 1186 | Duplicate of 974 | 1.17 | - | 201116 | 1.31 |
| 1104 | Pegmatite | 1.93 | 2.22 | 201117 | 2.22 |
| 2250 | **Standard-High** | 1.27 | 1.44 | 201118 | 1.46 |
| 753012 | Pegmatite | 1.57 | 1.70 | 201119 | 1.70 |
| 568820 | Duplicate of 314 | 1.99 | - | 201120 | 2.13 |
| 1106 | Pegmatite | 1.97 | 2.20 | 201121 | 2.20 |
| 1472 | Duplicate of 981 | 0.9 | | 201122 | 1.01 |
| 1727 | Pegmatite | 0.81 | 0.90 | 201123 | 0.88 |
| 279820 | **Standard-Low** | 0.82 | - | 201124 | 0.95 |

## TABLE 16: Comparative $Li_2O$ results between laboratories. (suite)

| Assay # (pulp) | | $Li_2O$ | $Li_2O$ | Renumbering | $Li_2O$ |
|---|---|---|---|---|---|
| Original # | Source | COREM | SGS revised) | ALS List | ALS-Chemex |
| 279942 | Pegmatite | 2.02 | 2.15 | 201125 | 2.24 |
| 568826 | Duplicate of 1554 | 1.50 | - | 201126 | 1.59 |
| 279952 | Pegmatite | 2.12 | 2.11 | 201127 | 2.22 |
| 1554 | Duplicate of 568826 | 1.41 | - | 201128 | 1.51 |
| 1729 | Pegmatite | 0.90 | 1.01 | 201129 | 0.97 |
| 279652 | **Blank** | <100 ppm | 0.00 | 201130 | <0.02 |
| 1731 | Pegmatite | 1.87 | 2.09 | 201131 | 2.04 |
| 279969 | Pegmatite | 0.33 | 0.34 | 201132 | 0.34 |
| 753007 | Pegmatite | 0.91 | 1.14 | 201133 | 1.16 |
| 1677 | Duplicate of 568829 | 1.58 | - | 201134 | 1.66 |
| 2548 | Pegmatite | 2.56 | 2.63 | 201135 | 2.63 |
| 279900 | **Standard-High** | 1.30 | - | 201136 | 1.46 |
| 279811 | Pegmatite | 1.61 | 1.87 | 201137 | 1.87 |
| 568829 | Duplicate of 1677 | 2.06 | - | 201138 | 2.20 |
| 279964 | Pegmatite | 0.87 | 0.90 | 201139 | 0.86 |
| 1759 | Duplicate of 568831 | 0.16 | - | 201140 | 0.19 |
| 1734 | Pegmatite | 1.75 | 1.98 | 201141 | 1.94 |
| 279940 | **Standard-Low** | 0.86 | 0.86 | 201142 | 0.88 |
| 279805 | Pegmatite | 1.19 | 1.55 | 201143 | 1.51 |
| 279951 | Pegmatite | 1.38 | 1.33 | 201144 | 1.36 |
| 279939 | Pegmatite | 1.85 | 1.98 | 201145 | 2.00 |
| 2141 | Duplicate of 985 | 1.13 | - | 201146 | 1.18 |
| 2555 | Pegmatite | 1.52 | 1.46 | 201147 | 1.53 |
| 279810 | **Blank** | <100 ppm | < 0.002 | 201148 | <0.02 |
| 1758 | Pegmatite | 1.15 | 1.21 | 201149 | 1.14 |
| 568831 | Duplicate of 1759 | 0.24 | - | 201150 | 0.26 |
| 279975 | Pegmatite | 1.93 | 2.02 | 201151 | 1.94 |
| 2221 | Duplicate of 987 | 1.53 | - | 201152 | 1.59 |
| 2536 | Pegmatite | 1.18 | 1.33 | 201153 | 1.27 |
| 279960 | **Standard-High** | 1.39 | 1.42 | 201154 | 1.44 |
| 279979 | Pegmatite | 1.39 | 1.27 | 201155 | 1.21 |
| 279944 | Pegmatite | 1.72 | 1.81 | 201156 | 1.83 |

**TABLE 16: Comparative $Li_2O$ results between laboratories. (suite)**

| Assay # (pulp) | | $Li_2O$ | $Li_2O$ | Renumbering | $Li_2O$ |
|---|---|---|---|---|---|
| Original # | Source | COREM | SGS revised) | ALS List | ALS-Chemex |
| 2543 | Pegmatite | 1.54 | 1.68 | 201157 | 1.70 |
| 2305 | Duplicate of 989 | 1.95 | - | 201158 | 2.09 |
| 2342 | Pegmatite | 1.44 | 1.66 | 201159 | 1.57 |
| 279980 | **Standard-Low** | 0.96 | 0.90 | 201160 | 0.88 |
| 2347 | Pegmatite | 1.15 | 1.29 | 201161 | 1.27 |
| 568837 | Duplicate of 2500 | 0.69 | - | 201162 | 0.75 |
| 279972 | Pegmatite | 1.97 | 2.09 | 201163 | 2.07 |
| 2339 | Duplicate of 990 | 1.61 | - | 201164 | 1.77 |
| 2554 | Pegmatite | 1.51 | 1.53 | 201165 | 1.49 |
| 279970 | **Blank** | <100 ppm | < 0.002 | 201166 | <0.02 |
| 753480 | Pegmatite | 1.28 | 1.46 | 201167 | 1.42 |
| 2500 | Duplicate of 568837 | 0.89 | - | 201168 | 0.97 |
| 2550 | Pegmatite | 3.25 | 3.23 | 201169 | 2.95 |
| 2549 | Pegmatite | 1.80 | 1.85 | 201170 | 1.72 |

Our geochemistry consultant Dr. Jeff Jaacks concluded on the check assay comparative test with the following conclusions:

*1:In summary, the quality control program embedded within the check analysis program indicates that the accuracy is comparable between at COREM, ALS Chemex, and SGS. Each laboratory used a different total digestion method to extract Li, but the methods are comparable in that similar accuracy is obtained and there is no significant analytical bias between the laboratories. Use of analytical duplicates at COREM and ALS Chemex indicates comparable precision between the 2 laboratories, even though different analytical methods are used for the Li analyses.*

*2:Given the different analytical methods used, the precision between the laboratories is excellent. The COREM analyses are biased, approximately 5 percent lower than corresponding ALS Chemex analyses and 7 percent lower than corresponding SGS analyses, but well within 10 percent acceptability limits for analytical duplicates. These check analysis program results are comparable to those observed for the standards embedded with the check analysis program, which ranged from 5 – 8 percent.* (See report by Jeff Jaacks in Annex 9)

## ORE RESOURCE CALCULATION

Lithium One has contracted SRK Consulting to do the first mineral resource evaluation for the James Bay Lithium Project in accordance with the Canadian Securities Administrators'' National Instrument 43-101. The resource estimation work was completed by Sébastien Bernier, P.Geo (OGQ#1034), an "independent qualified person"" as this term is defined in National Instrument 43-101.

A total of 102 core boreholes (including 18 from the 2008 program) and forty-five channel samples collected by Lithium One during the period of 2008 to 2010.

A block model was generated using Datamine software following the construction of 31 wireframes over the number of pegmatites. The resource estimate of the James Bay Lithium Project, Quebec, as calculated by SRK Consulting as of November 18, 2010, is:

| **Resource Category*** | **Quantity (tonnes)** | **Grade $Li_2O$ (%)** |
|---|---|---|
| Indicated | 11,750,000 | 1.30 |
| Inferred | 10,470,000 | 1.20 |

Note: * Reported at a cut-off grade of 0.75% $Li_2O$ inside conceptual pit shells optimized using Lithium Carbonate price of US$6,000 per tonne containing 40.4% $Li_2O$, metallurgical and process recovery of seventy percent, overall mining and processing costs of US$64 per tonne milled and overall pit slope of forty-five degrees. All figures rounded to reflect the relative accuracy of the estimates. Mineral resources are not mineral reserves and do not have demonstrated economic viability. A complete report on ore resources by SRK Consulting will be filed later.

# ORE PROCESSING

In preparation for mineral processing, two large samples were composited: the first from split core halves stored on the property, and a second from rejects of the corresponding samples stored at the sample preparation lab in Chibougamau. The two composites were made from the same sample numbers; a total of 491 samples were chose. They represented 11 separate dyke interpreted by Lithium One. The calculated head grades varied from a low of 1.36% $Li_2O$ from dyke 9.2 to 1.71% from dyke 8.7. A more accurate head grade will be determined from weighted averages from Hazen Research.

A spodumene concentrate was produced by flotation at HAZEN Research in Golden Colorado. The experiments achieved 80% lithium recovery in the combined concentrate. The concentrate is calcined at 1,050°C for 1 h to convert the naturally occurring α-spodumene of the concentrate to an acid-soluble β-spodumene.

Acid is added and baked to decompose the β-spodumene into lithium sulfate ($Li_2SO_4$), which is subsequently dissolved in the water leach step. Lime (CaO) is added to the leach to maintain the pH at 6.0–6.5 to suppress Fe and Al. Mg is removed from the leach solution by adding hydrated lime to precipitate magnesium hydroxide ($Mg(OH)_2$). The liquor is then evaporated, and calcium is removed from the liquor by adding sodium carbonate ($Na_2CO_3$) to precipitate calcium carbonate ($CaCO_3$). The resulting liquor is heated to 90–93°C, and lithium carbonate is precipitated from solution using sodium carbonate. A lithium carbonate product grading 17.1% Li and 72.1%$CO_3$ was thus produced. A complete report on ore processing by Hazen Research will be filed separately.

## CONCLUSIONS

The James Bay Lithium deposit hosts a large number of spodumene-bearing pegmatites. From 2008 to 2010 Lithium One (formerly Coniagas Minerals) has used core drilling executed by Chibougamau Diamond Drilling and surface channel sampling by Nord-Fort to delineate thirty-one spodumene-pegmatite dykes from the surface to a depth of approximately 250 metres over a strike length of 1.5 kilometres. The total length along which pegmatites are found of the property extends over 4.75km.

All of our assaying has been conducted at the Quebec City research lab COREM, using a three acid total digestion method. Check assays have been done first at SGS in Lakefield, and then at ALS. The COREM analyses are lower than corresponding ALS Chemex analyses by approximately 5%, and 7% lower than corresponding SGS analyses, but all are well within 10 percent acceptability limits.

Lithium One interpreted the exploration work and proposed a geological modeling for mineral resource evaluation. SRK Consulting agrees that the mineral resource model presented herein has enough elements to confirm that the James Bay Lithium Project contains a significant near-surface lithium mineral resource amenable to open pit mining. and that there is an opportunity to expand the mineral resources by drilling below the current model. The sampling programs from 2008-2010 show that the dyke swarms and their respective dykes show good continuity and grades of lithia ($Li_2O$). Sampling along a fifty by fifty metre grid is adequate to delineate Inferred mineral resources because at that spacing the pegmatite dykes show sufficient geological and grade continuity to infer the lateral geological and grade continuity within the meaning of CIM Definition Standards for Mineral Resources and Mineral Reserves. More tightly spaced drilling information would have helped improve the average grade of the deposit.

Concurrently with the work done at SRK, a 3 tonne bulk sample was composited from two sources of ore: first from the split cores and the second from the corresponding assay rejects from the prep lab. The bulk was shipped to Hazen research for testing. A spodumene concentrate was prepared from a standard flotation process. The concentrate was later transformed successfully into lithium carbonate.

Galaxy Resources Ltd acquired the property from Lithium One in 2011 and is the sole operator of the project. The exploration work performed by Coniagas and Lithium One from 2008 to 2010 has touched on dykes numbered 7 to 15 only. Additional resources could be revealed by additional drilling of the known dykes extensions: drilling and channeling dykes 1 to 5 may also contribute to raise the resources when determined necessary.

# RECOMMENDATIONS

The character of the James Bay Lithium Project is of sufficient merit to justify additional exploration and development investments. Infill and step-out drilling is recommended to improve the confidence in the delineation of the spodumene mineralization, to improve its resource classification and to expand the mineral resources, primarily to the west and at depth.

The position of borehole collars and channel samples should be re- surveyed using a differential GPS to improve accuracy of location information comparable with the high-resolution topographic profile.

Geotechnical logging should be included in routine drilling procedures. Rock geotechnical information will become invaluable for future engineering conceptual studies.

Based on the results to date, SRK also recommends that Lithium One (now Galaxy) initiates engineering, metallurgical and environmental studies aimed at completing the characterization of the context of the James Bay Lithium Project and to evaluate at a conceptual level the viability of an open pit mine.

A second phase of laboratory work on ore processing is recommended before proceeding to piloting on a continuous basis. The goals of this Phase 2 laboratory program would be to improve the recovery of lithium and to provide additional data necessary in designing a continuous pilot plant.

Baseline environmental studies including water quality monitoring, wildlife habitats and other studies for which long-term and seasonal data are required at the permitting stage.

# ANNEX 1 Drill Logs Holes JBL09-01-84

LITHIUM ONE INC..
Property : James Bay Lithium

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DDH # : | **JBL09-01** | | Start : | ____16jun09_____ | Drilled by : | | Chibougamau |
| Azimuth : | 110° | LOCATION UTM | End : | ____18jun09_____ | | | Diamond Drilling |
| Dip: | -45° | 358816 mE | | | Logged by : | | A. Peskepia |
| Elevation: | 239m | 5789160 mN | | | **Verified by:** | **AJMc** | 02-Aug-09 |

LITHOLOGY

| From | To | Length | Rock | Description | Sample # | From | To | Length | $Li_2O$ |
|---|---|---|---|---|---|---|---|---|---|
| | | (m) | Code | | | | | (m) | (%) |
| **0.00** | **2.30** | **2.30** | | **OVERBURDEN** | | | | | |
| **2.30** | **8.45** | **6.15** | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, massive, Fsp-Qtz-Bio. | | | | | |
| | | | | Greenish-white bleached along hairline fractures | | | | | |
| | | | | oriented at 40 to CA | | | | | |
| | | | | 0.14m pegmatite, Fsp-Qtz-Mv, sharp contacts | | | | | |
| | | | | at 70 to CA. | | | | | |
| | | | | | | | | | |
| **8.45** | **8.85** | **0.40** | **I1B** | **PEGMATITE** | | | | | |
| | | | | Milky white, coarse Fsp+Qzt in groundmass, | **753001** | 8.45 | 8.85 | 0.40 | 0.87 |
| | | | | pale green, up to 5cm long SP crystals ~5%SP | | | | | |
| | | | | rare tourmaline. UC sharp at 75 to CA; | | | | | |
| | | | | LC at 90 to CA. | | | | | |
| | | | | | | | | | |
| **8.85** | **9.55** | **0.70** | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 2.3 to 8.45. | | | | | |
| | | | | | | | | | |
| **9.55** | **11.63** | **2.08** | **I1B** | **PEGMATITE** | | | | | |
| | | | | Coarse, 1-6cm Mv, PH up to 7cm SP cryst.(15%) | **753002** | 9.55 | 10.55 | 1.00 | 0.38 |
| | | | | 10-15cm, Fsp milky white, odd tourmaline | **753003** | 10.55 | 11.63 | 1.08 | 1.77 |
| | | | | odd 1-2mm Ap. UC at 60 to CA; LC 40 to CA. | | | | | |
| | | | | | | | | | |
| **11.63** | **12.40** | **0.77** | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, f.g. Weakly banded, Fsp-qtz-bio | | | | | |
| | | | | 1-2mm bio bands at 55 to CA | | | | | |
| | | | | LC sharp at 40 to CA. | | | | | |
| | | | | | | | | | |
| **12.40** | **12.81** | **0.41** | **I1B** | **PEGMATITE** | | | | | |
| | | | | Coarse, milky white, Fsp-Qtz-Sp-PH; 5% SP, | **753004** | 12.4 | 12.81 | 0.41 | 0.66 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | few 1cm PH cryst., odd tourmaline. | | | | | |
| | | | | Both contacts sharp at 40 to CA. | | | | | |
| | | | | | | | | | |
| **12.81** | **14.15** | **1.34** | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium, grey, weakly banded Fsp-qtz-bio, f.g. | | | | | |
| | | | | locally irregular bio patches, 5-10% bio | | | | | |
| | | | | LC sharp at 50 to CA. | | | | | |
| | | | | | | | | | |
| **14.15** | **24.42** | **10.27** | **I1B** | **PEGMATITE** | | | | | |
| | | | | Milky white, coarse Fsp-Qtz-SP; 25-30%SP, | **753005** | 14.15 | 15.65 | 1.50 | 1.41 |
| | | | | large cryst up to 20cm, pale green, subparallel | **753006** | 15.65 | 17.15 | 1.50 | 1.71 |
| | | | | to CA; up to 2cm long few tourmaline patches | **753007** | 17.15 | 18.65 | 1.50 | 0.91 |
| | | | | specks of Aspy, 1-2mm at 21.0m | **753008** | 18.65 | 20.15 | 1.50 | 2.05 |
| | | | | LC sharp at 60 to CA. | **753009** | 20.15 | 21.65 | 1.50 | 1.92 |
| | | | | | **753010** | BLANK | | | <100 ppm |
| | | | | | **753011** | 21.65 | 23.15 | 1.50 | 1.59 |
| | | | | | **753012** | 23.15 | 24.42 | 1.27 | 1.57 |
| | | | | | | | | | |
| **24.42** | **33.00** | **8.58** | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, f.g., massive Fsp-qtz-bio. Weak | | | | | |
| | | | | foliation subparallel to CA from 28-30m | | | | | |
| | | | | 29.14-29.46m 0.35m Pegmatite dyke Fsp-qtz-Mi | | | | | |
| | | | | 29.92-30.52 QFP dark grey, fine grained massive | | | | | |
| | | | | trace Aspy; UC sharp at 35 to CA; LC broken | | | | | |
| | | | | core. | | | | | |
| | | | | 30.52-31.7 moderate fracturing of the metased | | | | | |
| | | | | at 45 to CA. LC sharp at 60 to CA | | | | | |
| | | | | | | | | | |
| **33.00** | **34.00** | **1.00** | **I1B** | **PEGMATITE** | | | | | |
| | | | | Coarse, Fsp-Qtz-SP-PH; 3-5% SP, odd Tm 5mm | **753013** | 33.00 | 34.00 | 1.00 | 0.62 |
| | | | | grains. LC 90 to CA | | | | | |
| | | | | | | | | | |
| **34.00** | **37.10** | **3.10** | **M1** | **METASEDIMENT** | | | | | |
| | | | | Dark grey, massive, f.g. Fsp-Qtz-Bio, weak fol. | | | | | |
| | | | | at 35 to CA . | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 35.35m 3cm Pegmatite at 40 to CA. | | | | | |
| | | | | 36.41-36.60m Smoky grey altered peg. at 70 to | | | | | |
| | | | | CA; odd SP pale green <1cm | | | | | |
| | | | | | | | | | |
| **37.1** | **46.95** | **9.85** | **I1B** | **PEGMATITE** | | | | | |
| | | | | Coarse Fsp-Qtz-SP-PH-Mi; milky white fsp, pale | **753014** | 37.10 | 38.60 | 1.50 | 1.86 |
| | | | | green weakly altered SP 10-15%, silvery white | **753015** | 38.60 | 40.10 | 1.50 | 1.09 |
| | | | | mica ~5%. Two 10cm metased. Xenoliths near | **753016** | 40.10 | 41.60 | 1.50 | 2.06 |
| | | | | the lower contact. LC sharp at 45 to CA. | **753017** | 41.60 | 43.10 | 1.50 | 1.98 |
| | | | | | **753018** | 43.10 | 44.60 | 1.50 | 1.73 |
| | | | | | **753019** | 44.60 | 46.10 | 1.50 | 1.69 |
| | | | | | **753020** | STANDARD HIGH | | | 1.40 |
| | | | | | **753021** | 46.10 | 46.95 | 0.85 | 1.05 |
| | | | | | | | | | |
| **46.95** | **54.32** | **7.37** | **M1** | **METASEDIMENT** | | | | | |
| | | | | F.g.., grey, weakly banded Fsp-qtz-Bio. Banding | | | | | |
| | | | | at 35 to CA. LC sharp at 90 to CA. | | | | | |
| | | | | 48.0-48.2 0.2 m peg dyke, milky white Fsp-qtz | | | | | |
| | | | | sugary texture, minor SP. UC 40 to CA; | | | | | |
| | | | | LC 60 to CA. | | | | | |
| | | | | 48.73-48.97 0.24m peg at 90 to CA; Altered Fsp | | | | | |
| | | | | grey, coarse SP similar to 37.1 to 46.95. | | | | | |
| | | | | | | | | | |
| **54.32** | **62.98** | **8.66** | **I1B** | **PEGMATITE** | | | | | |
| | | | | Coarse to very coarse Fsp-Qtz-SP-PH peg, with | **753022** | 54.32 | 56.00 | 1.68 | 1.05 |
| | | | | SP cryst 5-10cm long, altered, 10-15% SP sub- | **753023** | 56.00 | 57.50 | 1.50 | 1.44 |
| | | | | parallel to CA. Patchy grey altered Fsp | **753024** | 57.50 | 59.00 | 1.50 | 1.99 |
| | | | | | **753025** | 59.00 | 60.50 | 1.50 | 2.56 |
| | | | | | **753026** | 60.50 | 62.00 | 1.50 | 1.60 |
| | | | | | **753027** | 62.00 | 62.98 | 0.98 | 2.06 |
| **62.98** | **66.00** | **3.02** | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, massive, moderate fol at 60 | | | | | |
| | | | | to CA. Fsp-qtz-bio. | | | | | |
| | | | | 64.3-64.77m, 0.47m peg, coarse Fsp-Qtz-SP-Mi | **753028** | 64.30 | 64.77 | 0.47 | 2.05 |
| | | | | ~15% SP UC 65 to CA; LC 90 to CA | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **66.00** | **67.75** | **1.75** | | **MAFIC METAVOLCANIC** | | | | | |
| | | | | Pale green to grey, fine grained, massive, 20% | | | | | |
| | | | | Bio porphyroblasts 1-4mm in size. UC sharp 30 | | | | | |
| | | | | to CA; LC at 50 to CA | | | | | |
| | | | | | | | | | |
| **67.75** | **68.90** | **1.15** | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 66.0 to 67.75m. | | | | | |
| | | | | | | | | | |
| **68.90** | **70.80** | **1.90** | **I1B** | **PEGMATITE** | | | | | |
| | | | | Coarse, milky white to smoky grey altered | **753029** | 68.90 | 70.80 | 1.90 | 1.35 |
| | | | | Fsp-Qzt-SP-PH; pale green SP ~15% SP. | **753030** | DUPLICATE of 753029 | | | 1.29 |
| | | | | UC 65 to CA; LC 90 to CA. | | | | | |
| | | | | | | | | | |
| **70.80** | **72.75** | **2.30** | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, massive, grey Fsp-Qtz-Bio | | | | | |
| | | | | | | | | | |
| **72.75** | **73.60** | **2.30** | | **MAFIC METAVOLCANIC** | | | | | |
| | | | | Green, fine grained, massive, weakly foliated, | | | | | |
| | | | | bio-Fsp-Amph. UcCsharp at 65 to CA; LC 35 to | | | | | |
| | | | | CA. | | | | | |
| | | | | | | | | | |
| **73.60** | **77.40** | **2.30** | **M1** | **METASEDIMENT** | | | | | |
| | | | | Grey, massive, fine grained Fsp-qtz-bio, weak | | | | | |
| | | | | fol. At 40 to CA. LC sharp at 70 to CA. | | | | | |
| | | | | | | | | | |
| **77.4** | **78.45** | **1.05** | **I1B** | **PEGMATITE** | | | | | |
| | | | | Coarse, smoky grey altered Fsp Qtz-SP-PH. | **753031** | 77.4 | 78.45 | 1.05 | 0.71 |
| | | | | Pale green SP ~10%; 10-15% silvery white | | | | | |
| | | | | fine grained mica. LC sharp at 70 to CA. | | | | | |
| | | | | | | | | | |
| **78.45** | **84.00** | **2.30** | **M1** | **METASEDIMENT** | | | | | |
| | | | | Grey, massive, fine grained Fsp-qtz-bio. | | | | | |
| | | | | | | | | | |
| | | | | **84.00m E.O.H.** | | | | | |

LITHOLOGY

| From | To | Length | Rock | Description | Sample # | From | To | Length | $Li_2O$ |
|---|---|---|---|---|---|---|---|---|---|
| | | (m) | Code | | | | | (m) | (%) |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.59%/10.27m | 14.15 | 24.42 |
| 1.68%/9.85m | 37.1 | 46.95 |
| 1.75%/8.66m | 54.32 | 62.98 |

LITHIUM ONE INC..

Property : James Bay Lithium

DDH # : **JBL09-02** Start : 17jun09 Drilled by : Chibougamau

Azimuth : 110° LOCATION UTM End : 20jun09 Diamond Drilling

Dip: -45° 358853 mE Logged by : A. Peskepia

Elevation: 238m 5789201 mN **Verified by:** **AJMc** 02-Aug-09

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **0.00** | **1.40** | 1.40 | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **2.30** | **5.95** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, massive, Fsp-Qtz-Bio. | | | | | |
| | | | | 20cm core loss at 3.75-3.95m | | | | | |
| | | | | 5.36-5.50 Peg. dyke, altered Fsp-Mv f.g both | | | | | |
| | | | | contacts sharp at 90 to CA. | | | | | |
| | | | | LC of this unit sharp at 80 to CA. | | | | | |
| | | | | | | | | | |
| **5.95** | **8.12** | 2.17 | **I1B** | **PEGMATITE** | | | | | |
| | | | | Smoky grey, coarse Fsp-Qtz-SP-PH | **753032** | 5.95 | 6.95 | 1.00 | 1.80 |
| | | | | 20-25% SP as 5-10cm long cryst subparallel | **753033** | 6.95 | 8.12 | 1.17 | 2.39 |
| | | | | to CA, 5% PH. | | | | | |
| | | | | LC sharp at 90 to CA. | | | | | |
| | | | | | | | | | |
| **8.12** | **11.40** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, massive Fsp-Qtz-Bio | | | | | |
| | | | | LC sharp at 65 to CA. | | | | | |
| | | | | | | | | | |
| **11.40** | **13.80** | 2.40 | **I1B** | **PEGMATITE** | | | | | |
| | | | | Coarse Fsp-Qtz-SP-PH, patchy alteration, | **753034** | 11.4 | 12.6 | 1.20 | 1.05 |
| | | | | 15-20% SP. | **753035** | 12.6 | 13.8 | 1.20 | 0.54 |
| | | | | | | | | | |
| **13.80** | **26.05** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | F.g., grey, massive to very weakly foliated | | | | | |
| | | | | Fsp-Qtz-Bio. This unit has been cut by thin Peg | | | | | |
| | | | | dykes as follows: | | | | | |
| | | | | 14.9-15.18; 0.28m Peg dyke at 90 to CA | **753036** | 14.9 | 15.18 | 0.28 | 0.05 |
| | | | | 2cm massive quartz at center, odd Garnet1-2mm | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | No visible SP. | | | | | |
| | | | | 17.37-17.45; 8cm Peg. Fsp-Qtz-Mi no SP | | | | | |
| | | | | Contacts at 80 to CA. | | | | | |
| | | | | Lower contact of metasediment at 45 to CA | | | | | |
| | | | | | | | | | |
| **26.05** | **35.92** | 9.87 | **I1B** | **PEGMATITE** | | | | | |
| | | | | Coarse, milky white, Fsp-SP-Qtz-PH; 3-5cm SP, | **753037** | 26.05 | 27.05 | 1.00 | 1.15 |
| | | | | crystals subparallel to CA; ~20%SP pale green | **753038** | 27.05 | 28.55 | 1.50 | 1.58 |
| | | | | Few Tm grains near the UC, odd garnet 5-8mm | **753039** | 28.55 | 30.05 | 1.50 | 2.09 |
| | | | | Pervasive phlogopite | **753040** | STANDARD LOW | | | 0.84 |
| | | | | Lower contact sharp at 65 to CA | **753041** | 30.05 | 31.55 | 1.50 | 1.96 |
| | | | | | **753042** | 31.55 | 33.05 | 1.50 | 2.10 |
| | | | | | **753043** | 33.05 | 34.55 | 1.50 | 1.51 |
| | | | | | **753044** | 34.55 | 35.32 | 0.77 | 1.61 |
| | | | | | **753045** | 35.32 | 35.92 | 0.60 | 1.28 |
| | | | | | | | | | |
| **35.92** | **36.54** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 13.8 to 26.05m. | | | | | |
| | | | | | | | | | |
| **36.54** | **37.53** | 0.99 | **I1B** | **PEGMATITE** | | | | | |
| | | | | Milky white, coarse Fsp-Qtz-SP; 10-15%SP, | **753046** | 36.54 | 37.53 | 0.99 | 0.83 |
| | | | | 36.87-36-93 8cm metased M1 section | | | | | |
| | | | | 36.98-37.07 9cm metased M1 section. | | | | | |
| | | | | UC 80 to CA; LC 60 to CA. | | | | | |
| | | | | | | | | | |
| **37.53** | **40.20** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, Fsp-Qtz-Bio. Weak fol 40 to | | | | | |
| | | | | CA | | | | | |
| | | | | 39.20-39.28 Peg. Dyke at 70 to CA | | | | | |
| | | | | LC of unit at 80 to CA. | | | | | |
| | | | | | | | | | |
| **40.20** | **44.50** | 4.30 | **I1B** | **PEGMATITE** | | | | | |
| | | | | Coarse, Fsp-SP-Qtz-PH; 25% SP subparallel to | **753047** | 40.20 | 41.20 | 1.00 | 1.31 |
| | | | | CA. 15-20% qtz, 15% PH | **753048** | 41.20 | 42.20 | 1.00 | 1.04 |
| | | | | LC sharp at 85 to CA | **753049** | 42.20 | 43.50 | 1.30 | 1.90 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | **753050** | BLANK | | | <100ppm |
| | | | | | **753051** | 43.50 | 44.50 | 1.00 | 1.80 |
| | | | | | | | | | |
| **44.50** | **45.45** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Dark grey, massive, f.g. Fsp-Qtz-Bio, weak fol. | | | | | |
| | | | | at 50 to CA . | | | | | |
| | | | | Lower contact sharp at 90 to CA | | | | | |
| | | | | | | | | | |
| **45.45** | **46.03** | 0.58 | **I1B** | **PEGMATITE** | | | | | |
| | | | | Coarse smoky grey alterd Fsp, Plae green to | **753052** | 45.45 | 46.03 | 0.58 | 0.37 |
| | | | | to yellowish green altered SP, ~10% SP | | | | | |
| | | | | Contacts at 90 to CA | | | | | |
| | | | | | | | | | |
| **46.03** | **54.88** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, massive, brownish-grey, Fsp-Qzt- | | | | | |
| | | | | Bio, cut by several thin Peg dykes, locally weak | | | | | |
| | | | | fol at 40 to CA | | | | | |
| | | | | 46.5-46.6 10cm peg dyke ayt 90 to CA Fsp-qtz- | | | | | |
| | | | | Mi. | | | | | |
| | | | | 48.83-49.04 21 cm altered peg, ~5%SP medium | | | | | |
| | | | | grained at 60 to CA | | | | | |
| | | | | 51.2-51.46 massive qtz vein at 70 to CA. | | | | | |
| | | | | 51.74-51.95 21 cm peg dyke at 80 to CA. | | | | | |
| | | | | fine to medium grained pale yellowish alteration? | | | | | |
| | | | | f.g mica. Trace SP. | | | | | |
| | | | | | | | | | |
| **54.88** | **56.10** | 1.22 | **I1B** | **PEGMATITE** | | | | | |
| | | | | Coarse Fsp-Qtz-SP, 1-3cm SP cryst; ~10% SP | **753053** | 54.88 | 56.10 | 1.22 | 0.53 |
| | | | | 20%qtz, 5% PH | | | | | |
| | | | | 55.66-55.84 18cm metased xenolith, more | | | | | |
| | | | | micaceous, silvery white ascicular 1-4mm mica? | | | | | |
| | | | | Both contacts at 70 to CA | | | | | |
| | | | | | | | | | |
| **56.10** | **62.15** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 46.03 to 54.88m. | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | This section has been cut by four thin 3-5cm | | | | | |
| | | | | pegmatite dykes oriented at 70 to CA. | | | | | |
| | | | | Lower contact sharp at 70 to CA. | | | | | |
| | | | | | | | | | |
| **62.15** | **63.84** | 1.69 | **I1B** | **PEGMATITE** | | | | | |
| | | | | Coarse, milky white to smoky grey altered | **753054** | 62.15 | 63.84 | 1.69 | 1.34 |
| | | | | Fsp-SP-Qtz; 15% SP subparallel to CA. | | | | | |
| | | | | Quartz more abundant inthe center of the dyke | | | | | |
| | | | | Lower contact sharp at 50 to CA | | | | | |
| | | | | | | | | | |
| **63.84** | **64.32** | 0.48 | **M1** | **METASEDIMENT** | | | | | |
| | | | | Grey, fine grained, massive Fsp-Qtz-Bio, weak | | | | | |
| | | | | fol. 35 to 50 to CA. | | | | | |
| | | | | Lower contact sharp at 55 to CA. | | | | | |
| | | | | | | | | | |
| **64.32** | **64.82** | 0.50 | **I1B** | **PEGMATITE** | | | | | |
| | | | | Coarse, smoky grey altered Fsp Qtz-SP-PH. | **753055** | 64.32 | 64.82 | 0.50 | 0.44 |
| | | | | 5-10% SP in the first half. Minor quartz | | | | | |
| | | | | Odd small garnet near the lower contact. 10cm | | | | | |
| | | | | f.g. Fsp and mica near the LC | | | | | |
| | | | | LC sharp at 90 to CA. | | | | | |
| | | | | | | | | | |
| **64.82** | **66.00** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 63.84 to 64.32m. | | | | | |
| | | | | | | | | | |
| | | | | **66.00m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 2.12%/2.17m | 5.95 | 8.12 |
| 1.72%/9.87m | 26.05 | 35.92 |
| 1.54%/4.30m | 40.20 | 44.50 |

LITHIUM ONE INC..
Property : James Bay Lithium

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DDH # : | **JBL09-03** | | Start : | 18jun09 | Drilled by : | | Chibougamau |
| Azimuth : | 110° | LOCATION UTM | End : | 21jun09 | | | Diamond Drilling |
| Dip: | -45° | 358870 mE | | | Logged by : | | A. Peskepia |
| Elevation: | 237m | 5789245 mN | | | **Verified by:** | **AJMc** | 02-Aug-09 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **0.00** | **3.20** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **3.20** | **11.45** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, massive, Fsp-Qtz-Bio. | | | | | |
| | | | | weak foliation at 70 to CA | | | | | |
| | | | | 5.85-6.04; 19cm Peg. Dyke at 90 to CA. Altered | | | | | |
| | | | | Fsp-Qtz-PH fine to medium grained. | | | | | |
| | | | | Lower contact of this unit at 55 to CA. | | | | | |
| | | | | | | | | | |
| **11.45** | **17.65** | 6.20 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, pale green SP ~15-20%, 3-10 cm cryst. | **753056** | 11.45 | 12.45 | 1.00 | 0.54 |
| | | | | subparallel to CA. Fps-SP-Qtz-Ph, milky white | **753057** | 12.45 | 13.95 | 1.50 | 1.77 |
| | | | | to smoky grey altered fsp. 10% PH, 10% qtz. | **753058** | 13.95 | 15.45 | 1.50 | 2.09 |
| | | | | Lower contact sharp at 60 to CA. | **753059** | 15.45 | 16.65 | 1.20 | 1.46 |
| | | | | | **753060** | STANDARD HIGH | | | 1.36 |
| | | | | | **753061** | 16.65 | 17.65 | 1.00 | 1.42 |
| | | | | | | | | | |
| **17.65** | **19.46** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 3.2 to 11.45m. | | | | | |
| | | | | | | | | | |
| **19.46** | **20.03** | 0.57 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Medium to coarse SP 1-3cm long crystals | **753062** | 19.46 | 20.03 | 0.57 | 0.99 |
| | | | | in the center of dyke;~10-15%SP | | | | | |
| | | | | F.g sugary texture Fsp, ~15% qtz, | | | | | |
| | | | | SP crystals subparalell to CA. | | | | | |
| | | | | UC 85 to CA; LC 80 to CA. | | | | | |
| | | | | | | | | | |
| **20.03** | **23.48** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Grey, massive,f.g. Fsp-Qtz-Bio; ~5cm thick mica | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | rich section near the contact with | | | | | |
| | | | | the pegmatite above | | | | | |
| | | | | Loer contact sharp at 80 to CA. | | | | | |
| | | | | | | | | | |
| **23.48** | **25.08** | 1.60 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Milky white to smoky grey, altered Fsp; ~10%SP | **753063** | 23.48 | 25.08 | 1.60 | 1.02 |
| | | | | mostly as 1-3cm long crystals odd 10cm long | | | | | |
| | | | | crystal. 5cm thick metased. Xenolith at 24.5m | | | | | |
| | | | | Lower contacts sharp at 90 to CA | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| **25.08** | **26.93** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Grey, massive, f.g. Fsp-qtz-bio. | | | | | |
| | | | | Lowr contact sharp at 70 to CA | | | | | |
| | | | | | | | | | |
| **26.93** | **28.25** | 1.32 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, Fsp-qtz-SP; 2-8cm SP crystals; ~10% | **753064** | 26.93 | 28.25 | 1.32 | 0.76 |
| | | | | SP; 15-20%Qtz, 1-5mm tourmaline grains at 28.0 | | | | | |
| | | | | ~5% PH. Lower contact sharp at 65 to CA. | | | | | |
| | | | | | | | | | |
| **28.25** | **30.44** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey,massive Fsp-Qtz-Bio. | | | | | |
| | | | | Lower contact sharp at 70 to CA. | | | | | |
| | | | | | | | | | |
| **30.44** | **31.68** | 1.24 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Milky white, locally light to dark grey altered Fsp | **753065** | 30.44 | 31.68 | 1.24 | 0.22 |
| | | | | ~10% SP concentrated at the center of dyke | | | | | |
| | | | | 10% qtz, 10% PH. Lower contact sharp at 30 | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |
| **31.68** | **33.10** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 28.25 to 30.44m. Weak foliation | | | | | |
| | | | | oriented at 50 to CA | | | | | |
| | | | | | | | | | |
| **33.1** | **33.75** | 0.65 | **I1G** | **PEGMATITE** | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Coarse Fsp-Qtz-SP-PH; ~10% SP as 2-5cm | **753066** | 33.10 | 33.75 | 0.65 | 0.47 |
| | | | | in the lower half of the dyke | | | | | |
| | | | | PH as up to 3cm large crystals in the first half | | | | | |
| | | | | of the dyke | | | | | |
| | | | | Upper contact 80 to CA; Lower contact 50 to CA | | | | | |
| | | | | | | | | | |
| **33.75** | **34.15** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, massive Fsp-qtz-Bio | | | | | |
| | | | | weak foliation at 55 to CA. | | | | | |
| | | | | Lower contact sharp at 55 to CA. | | | | | |
| | | | | | | | | | |
| **34.15** | **35.55** | 1.40 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse Fsp-Qtz-SP-PH pegmatite. Milky white | **753067** | 34.15 | 35.55 | 1.40 | 1.21 |
| | | | | to light grey Fsp, Pale green SP 10-15% | | | | | |
| | | | | subparallel to CA; bottle green 1-5mm Apatite | | | | | |
| | | | | grains; specks of tourmaline; 15% PH | | | | | |
| | | | | Lower contact sharp at 75 to CA. | | | | | |
| | | | | | | | | | |
| **35.55** | **37.25** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, massive Fsp-Qtz-Bio | | | | | |
| | | | | weak foliation at 75 to CA. Lower contact at 80 | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |
| **37.25** | **43.42** | 6.17 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse Fsp-SP-Qtz-PH. 20-25% SP, fresh; | **753068** | 37.25 | 38.25 | 1.00 | 1.51 |
| | | | | Up to 1cm PH crystals, odd tourmaline crystal | **753069** | 38.25 | 39.75 | 1.50 | 2.08 |
| | | | | 2-4mm; milky white weakly altered fsp. | **753070** | DUPLICATE | | | 2.10 |
| | | | | Lower contact sharp at 75 to CA. | **753071** | 39.75 | 41.25 | 1.50 | 1.49 |
| | | | | | **753072** | 41.25 | 42.42 | 1.17 | 1.66 |
| | | | | | **753073** | 42.42 | 43.42 | 1.00 | 0.79 |
| | | | | | | | | | |
| **43.42** | **45.78** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, massive, grey Fsp-qtz-Bio. | | | | | |
| | | | | weak foliation oriented at 80 to CA. | | | | | |
| | | | | Lower contact sharp at 90 to CA. | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **45.78** | **46.05** | 0.27 | | **MAFIC METAVOLCANIC** | | | | | |
| | | | | Green to grayish-green, massive with 1-3mm bio | | | | | |
| | | | | porphyroblasts, fsp-bio-Amph. Both contacts | | | | | |
| | | | | at 90 to CA. | | | | | |
| | | | | | | | | | |
| **46.05** | **69.45** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, massive, locally | | | | | |
| | | | | weakly foliated; Fsp-qtz-bio; 5% mica 2-3mm | | | | | |
| | | | | for 10-15cm near the lower contact. | | | | | |
| | | | | Lower contact at 90 to CA. | | | | | |
| | | | | | | | | | |
| **69.45** | **73.7** | 4.25 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, pale green to yellowish green altered SP | **753074** | 69.45 | 70.45 | 1.00 | 0.41 |
| | | | | 3-15cm long crystals subparallel to CA 25%SP | **753075** | 70.45 | 71.45 | 1.00 | 1.31 |
| | | | | locally smoky grey patches of altered fsp; | **753076** | 71.45 | 72.70 | 1.25 | 2.32 |
| | | | | finer grained PH <1cm | **753077** | 72.70 | 73.70 | 1.00 | 0.69 |
| | | | | Lower contact 90 to CA. | | | | | |
| | | | | | | | | | |
| **73.7** | **75.04** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 46.05-69.45m. | | | | | |
| | | | | | | | | | |
| **75.04** | **75.71** | | | **MAFIC METAVOLCANIC** | | | | | |
| | | | | Light green, fine to medium grained, ~25% Bio | | | | | |
| | | | | porphyroblasts,1-5mm in size. | | | | | |
| | | | | Lower contact at 90 to CA. | | | | | |
| | | | | | | | | | |
| **75.71** | **80.62** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Brownish-grey, fine grained, massive fsp-qtz-bio | | | | | |
| | | | | locally weakly foliated at 45 to CA. | | | | | |
| | | | | Lower contact at 20 to CA. | | | | | |
| | | | | | | | | | |
| 80.62 | 81.3 | | | **MAFIC METAVOLCANIC** | | | | | |
| | | | | Same as 75.04 to 75.71m | | | | | |
| | | | | Weak foliation at 15 to CA. Lower contact | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | at 10 to CA. | | | | | |
| | | | | | | | | | |
| 81.3 | 81.57 | | M1 | **METASEDIMENT** | | | | | |
| | | | | Same as 46.05-69.45m. | | | | | |
| | | | | | | | | | |
| 81.57 | 82.73 | | | **MAFIC METAVOLCANIC** | | | | | |
| | | | | Same as 75.04 to 75.71m | | | | | |
| | | | | Upper contact 90 to CA; Lower contact 70 to CA | | | | | |
| | | | | | | | | | |
| 82.73 | 84 | | M1 | **METASEDIMENT** | | | | | |
| | | | | Grey, massive, fine grained fsp-qtz-bio, weak | | | | | |
| | | | | foliation at 25 to CA. | | | | | |
| | | | | | | | | | |
| | | | | **84.0m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.72%/5.20m | 12.45 | 17.65 |
| 1.70%/5.17m | 37.25 | 42.42 |
| 1.87%/2.25m | 70.45 | 72.70 |

LITHIUM ONE INC..
Property : James Bay Lithium

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DDH # : | **JBL09-04** | | | Start : | 18jun09 | Drilled by : | Chibougamau |
| Azimuth : | 110° | LOCATION | UTM | End : | 22jun09 | | Diamond Drilling |
| Dip: | -45° | 358884 | mE | | | Logged by : | A. Peskepia |
| Elevation: | 238m | 5789291 | mN | | | **Verified by:** | **AJMc** 02-Aug-09 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **0.00** | **1.00** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **1.00** | **2.50** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, massive, Fsp-Qtz-Bio. | | | | | |
| | | | | weak foliation, lower contact at 70 to CA. | | | | | |
| | | | | | | | | | |
| **2.50** | **4.78** | 2.28 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Fsp-Qtz-SP; milky white with smoky gray | **753078*** | 2.50 | 4.00 | 1.50 | 0.51 |
| | | | | pathces of altered fsp; 5%SP | **753079** | 4.00 | 4.78 | 0.78 | 0.19 |
| | | | | *3.0-4.0m 0.5m lost core. | **753080** | STANDARD LOW | | | 0.81 |
| | | | | Lower contact sharp at 70. | | | | | |
| | | | | | | | | | |
| **4.78** | **16.15** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, massive Fsp-Qtz-Bio | | | | | |
| | | | | weak foliation at 70 to CA | | | | | |
| | | | | 12.0-12.65 quartz vein at 10 to CA | | | | | |
| | | | | Lower contact sharp at 90 to CA | | | | | |
| | | | | | | | | | |
| **16.15** | **20.52** | 4.37 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse Fsp-Qtz-SP-PH, SP up to 10cm long | **753081** | 16.15 | 17.15 | 1.00 | 0.50 |
| | | | | crystals parallel to CA; 10-15%SP, few tourmal. | **753082** | 17.15 | 18.35 | 1.20 | 1.08 |
| | | | | grains at 17.5m; SP is altered to yellowish-white | **753083** | 18.35 | 19.52 | 1.17 | 2.15 |
| | | | | Dark grey patches of altered fsp 18-20.5m | **753084** | 19.52 | 20.52 | 1.00 | 0.95 |
| | | | | 10-15%qtz; 15% mica.Lower contact sharp | | | | | |
| | | | | at 75 to CA. | | | | | |
| | | | | | | | | | |
| **20.52** | **26.85** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | F.g., grey, massive weak to moderate foliation | | | | | |
| | | | | at 70 to CA. This section is more fractured at | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | a general orientation of 35 degrees to CA | | | | | |
| | | | | Fsp-Qtz-Bio; broken core at lower contact. | | | | | |
| | | | | | | | | | |
| **26.85** | **31.80** | 4.95 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse Fsp-SP-Qtz-PH; 15-20% SP, | **753085** | 26.85 | 27.85 | 1.00 | 2.26 |
| | | | | crystals subparallel to CA; patchy alteration | **753086** | 27.85 | 29.35 | 1.50 | 1.86 |
| | | | | of fsp to smoky grey, odd tourmaline grain | **753087** | 29.35 | 30.8 | 1.45 | 1.40 |
| | | | | 28.7m 3cm metasediment xenolith. | **753088** | 30.80 | 31.8 | 1.00 | 0.59 |
| | | | | lower contact sharp at 55 to CA | | | | | |
| | | | | | | | | | |
| **31.80** | **33.53** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 20.52to 26.85m. | | | | | |
| | | | | Lower contact sharp at 90 to CA. | | | | | |
| | | | | | | | | | |
| **33.53** | **35.48** | 1.95 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Milky white, medium to coarse Fsp-Qtz-PH; | **753089** | 33.53 | 34.53 | 1.00 | 0.12 |
| | | | | 0-1%SP; Lower contact sharp at 60 to CA | **753090** | BLANK | | | <100 ppm |
| | | | | odd apatite 5mm grains, fine grain yellowish | **753091** | 34.53 | 35.48 | 0.95 | 0.04 |
| | | | | white mica. | | | | | |
| | | | | | | | | | |
| **35.48** | **38.80** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, massive Fsp-Qtz-Bio(~5%) | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| **38.80** | **39.25** | 0.45 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Altered Fsp-Qtz-SP 1-5cm SP crystals | **753092** | 38.80 | 39.25 | 0.45 | 0.19 |
| | | | | 5-10% qtz, 5% SP | | | | | |
| | | | | Upper contact sharp 65 to CA; | | | | | |
| | | | | Lower contact 80 to CA. | | | | | |
| | | | | | | | | | |
| **39.25** | **46.35** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | 39.25-42.5 massive, grey metasediment | | | | | |
| | | | | 42.5-46.35 well banded at 40 to CA | | | | | |
| | | | | Lower contact sharp at 90 to CA | | | | | |
| | | | | | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **46.35** | **49.87** | 3.52 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse Fsp-Qtz-SP-PH; up 15 cm SP crystals | **753093** | 46.35 | 47.35 | 1.00 | 1.80 |
| | | | | locally altered to yellowish mineral, 15-20%SP | **753094** | 47.35 | 48.87 | 1.52 | 0.88 |
| | | | | crystals subparallel to CA; fsp altered to smoky | **753095** | 48.87 | 49.87 | 1.00 | 0.57 |
| | | | | grey, odd apatite grain | | | | | |
| | | | | 48.46-48.66 20cm metasediment xenolith mica | | | | | |
| | | | | rich, f.g white mica. | | | | | |
| | | | | Lower contact at 65 to CA. | | | | | |
| | | | | | | | | | |
| **49.87** | **53.56** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, massive, grey, Fsp-Qzt-bio | | | | | |
| | | | | moderate foliation at 25 to CA | | | | | |
| | | | | Lower contact at 75 to CA. | | | | | |
| | | | | | | | | | |
| **53.56** | **54.20** | 0.64 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Milky white, coarse altered Fsp-Qtz ~15% qtz. | **753096** | 53.56 | 54.02 | 0.46 | 0.02 |
| | | | | no visible SP. Lower contact sharp at 80 to CA. | | | | | |
| | | | | | | | | | |
| **54.20** | **59.00** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, moderate to strong foliation | | | | | |
| | | | | at 25-30 to CA | | | | | |
| | | | | 54.95-55.12 17cm pegmatite dyke Fsp-qtz, no | | | | | |
| | | | | visible SP, oriented at 65 to CA | | | | | |
| | | | | 58.65 1cm thick fault gouge oriented at 55 to CA | | | | | |
| | | | | | | | | | |
| | | | | **59.00m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.41%/3.37m | 17.15 | 20.52 |
| 1.79%/3.95m | 26.85 | 30.8 |
| 1.24%/2.52m | 46.35 | 48.87 |

LITHIUM ONE INC..
Property : James Bay Lithium

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DDH # : | **JBL09-05** | | Start : | 19-Jun-09 | Drilled by : | | Chibougamau |
| Azimuth : | 110° | LOCATION UTM | End : | 20-jun-09 | | | Diamond Drilling |
| Dip: | -45° | 358784 mE | | | Logged by : | | A. Peskepia |
| Elevation: | 231m | 5789300 mN | | | **Verified by:** | **AJMc** | 02-Aug-09 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **0.00** | **3.85** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **3.85** | **14.48** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, massive, Fsp-Qtz-Bio. | | | | | |
| | | | | moderate foliation at 65 to CA; | | | | | |
| | | | | 11.71-11.98; -27cm pegmatite dyke Fsp-Qtz | | | | | |
| | | | | at 85 to CA. | | | | | |
| | | | | Lower contact 60 to CA | | | | | |
| | | | | | | | | | |
| **14.48** | **15.50** | 1.02 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Milky white, weakly altered Fsp-Qtz-SP, medium | **753097** | 14.48 | 15.50 | 1.02 | 0.39 |
| | | | | to coarse grained;~5% SP, 5cm thick metased | | | | | |
| | | | | at 15.10m. Lower contact sharp at 60 to CA. | | | | | |
| | | | | | | | | | |
| **15.50** | **17.20** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Same as 3.85 to 14.48m. | | | | | |
| | | | | | | | | | |
| **17.20** | **19.70** | | | **MAFIC METAVOLCANIC** | | | | | |
| | | | | Green, massive, spotty bio porphyroblasts ~20% | | | | | |
| | | | | Fine grained, bio-Amph-fsp. | | | | | |
| | | | | | | | | | |
| **19.70** | **20.08** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, moderate foliation at 75 to | | | | | |
| | | | | CA. Fsp-qtz-bio, lowerr contact sharp at 55 to | | | | | |
| | | | | CA. | | | | | |
| | | | | | | | | | |
| **20.08** | **29.22** | 9.14 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, milky white, fresh to weakly altered fsp | **753098** | 20.08 | 21.08 | 1.00 | 0.79 |
| | | | | 1-8cm long SP crystals subparallel to CA, pale | **753099** | 21.08 | 22.58 | 1.50 | 1.08 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | green, 10-15% SP overall, 5-10% Phlogopite | **753100** | STANDARD HIGH | | | 1.44 |
| | | | | ~10%qtz. Lower contact sharp at 65 to CA | **753101** | 22.58 | 24.08 | 1.50 | 0.98 |
| | | | | a 5 cm thick mafic metavolcanic section at the | **753102** | 24.08 | 25.58 | 1.50 | 1.48 |
| | | | | contact with the metasediment unit below. | **753103** | 25.58 | 27.08 | 1.50 | 1.87 |
| | | | | | **753104** | 27.08 | 28.22 | 1.14 | 1.66 |
| | | | | | **753105** | 28.22 | 29.22 | 1.00 | 0.75 |
| | | | | | | | | | |
| **29.22** | **29.80** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, well foliated at 70 to CA | | | | | |
| | | | | Fsp-qtz-bio metasediment. | | | | | |
| | | | | | | | | | |
| **29.80** | **31.25** | | | **MAFIC METAVOLCANIC** | | | | | |
| | | | | Green, massive, fine grained, spotty texture | | | | | |
| | | | | with bio porphyroblasts1-5mm ~25-30% | | | | | |
| | | | | 30.45-30.65 massive quartz vein at 65 to CA | | | | | |
| | | | | Upper contact at 60 to CA | | | | | |
| | | | | Lower contact at 90 to CA. | | | | | |
| | | | | | | | | | |
| **31.25** | **35.38** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, moderate to well foliated at | | | | | |
| | | | | 45 to parallel to CA; Fsp-qtz-Bio | | | | | |
| | | | | Lower contact sharp at 65 to CA. | | | | | |
| | | | | | | | | | |
| **35.38** | **35.98** | 0.60 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Medium grained, Fsp-Qtz+/-SP 1-2%SP | **753106** | 35.38 | 35.98 | 0.60 | 0.08 |
| | | | | smoky grey altered Fsp | | | | | |
| | | | | Lower contact sharp at 50 to CA. | | | | | |
| | | | | | | | | | |
| **35.98** | **37.96** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey,Fsp-Qtz-Bio(~5%); well fol. | | | | | |
| | | | | foliation marked by f.g. Bio lamelae | | | | | |
| | | | | two 5-10cm pegmatite dykes at 36.3 and 37.2m | | | | | |
| | | | | orioented at 45 and 50 degrees to CA respecti | | | | | |
| | | | | vely. Lower contact sharp at 90 to CA. | | | | | |
| **37.96** | **38.41** | 0.45 | **I1G** | **PEGMATITE** | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Medium grained, Fsp-Qtz pegmatite, no visible | **753107** | 37.96 | 38.41 | 0.45 | 0.01 |
| | | | | SP; Fsp altered to medium gray at the center | | | | | |
| | | | | of dyke; 5% quartz. Lower contact at 70 to CA. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| **38.41** | **42.24** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, Fsp-Qtz-Bio(~5%) | | | | | |
| | | | | well foliated at 45 to CA, lower contact sharp | | | | | |
| | | | | at 70 to CA | | | | | |
| | | | | | | | | | |
| **42.24** | **42.60** | 0.36 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Altered, medium grained Fsp-Qtz pegmatite | **753108** | 42.24 | 42.60 | 0.36 | 0.01 |
| | | | | no visible SP. | | | | | |
| | | | | | | | | | |
| **42.60** | **47.87** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Same as 38.41-42.24. Variable foliation | | | | | |
| | | | | at 44.5m 80 to CA, at 46.3m 70 to CA, at 47.5m | | | | | |
| | | | | 30 to CA. Lower contact 60 to CA. | | | | | |
| | | | | | | | | | |
| **47.87** | **54.42** | 6.55 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse Fsp-Qtz-SP-PH. Up to 20cm long SP | **753109** | 47.87 | 48.87 | 1.00 | 1.14 |
| | | | | crystals parallel to CA; 15-20% SP; 5-10%PH | **753110** | DUPLICATE | | | 1.20 |
| | | | | 10-15% Qtz, Fsp variably altered to smoky grey | **753111** | 48.87 | 50.37 | 1.50 | 1.83 |
| | | | | 53.3-53.6 30 cm metased. xenolith, UC 50 to CA | **753112** | 50.37 | 51.87 | 1.50 | 2.67 |
| | | | | LC 90 to CA | **753113** | 51.87 | 53.60 | 1.73 | 1.12 |
| | | | | Lower contact of the pegmatite sharp at 90 to | **753114** | 53.60 | 54.42 | 0.82 | 2.03 |
| | | | | CA | | | | | |
| | | | | | | | | | |
| **54.42** | **61.75** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, Fsp-Qtz-Bio; | | | | | |
| | | | | moderate foliation at 55 to CA, thin 5-25cm | | | | | |
| | | | | pegmatite dykes intersected from 58.74 to 60m | | | | | |
| | | | | 58.74-58.98 pegmatite dyke, Fsp-Qtz+/-Mi | | | | | |
| | | | | fine to medium grained oriented at 50 to CA. | | | | | |
| | | | | | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **61.75** | **64.31** | 2.56 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, milky white Fsp-Qtz-SP-PH pegmatite. | **753115** | 61.75 | 62.75 | 1.00 | 1.33 |
| | | | | 5-10% SP as thick short crystals subparalell to | **753116** | 62.75 | 64.31 | 1.56 | 1.77 |
| | | | | CA, pale green. Fsp altered to smoky grey | | | | | |
| | | | | calcic variety in cm size patches. | | | | | |
| | | | | Lower contact sharp at 70 to CA. | | | | | |
| | | | | | | | | | |
| **64.31** | **64.92** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Same as 54.42 to 61.75m | | | | | |
| | | | | Lower contact sharp at 30 to CA. | | | | | |
| | | | | | | | | | |
| **64.92** | **67.23** | 2.31 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse pegmatite with medium to dark grey | **753117** | 64.92 | 66.23 | 1.31 | 2.04 |
| | | | | patches of altered Fsp. 10-15% SP in crystals | **753118** | 66.23 | 67.23 | 1.00 | 1.43 |
| | | | | of variable size subparallel to CA. | | | | | |
| | | | | 66.6m 5cm mica rich metasediment xenolith. | | | | | |
| | | | | Lower contact sharp at 70 to CA | | | | | |
| | | | | | | | | | |
| **67.23** | **70.37** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, moderatrly foliated at 50 to | | | | | |
| | | | | CA, Fsp-qtz-bio(~10%). | | | | | |
| | | | | 69.4-69.5 10cm pegmatite dyke at 60 to CA with | | | | | |
| | | | | f.g. Fsp-qtz no visible SP. | | | | | |
| | | | | | | | | | |
| **70.37** | **73.46** | 3.09 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse Fsp-SP-Qtz-PH+/-Mv; 15-20% SP | **753119** | 70.37 | 71.37 | 1.00 | 1.14 |
| | | | | in large crystals subparallel to CA. Locally | **753120** | STANDARD LOW | | | 0.87 |
| | | | | altered Fsp to medium grey calcic version in | **753121** | 71.37 | 72.46 | 1.09 | 1.64 |
| | | | | patches, 5-105 qtz, 5% PH. | **753122** | 72.46 | 73.46 | 1.00 | 1.29 |
| | | | | Lower contact 75 to CA. | | | | | |
| | | | | | | | | | |
| **73.46** | **82.40** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grained, moderately | | | | | |
| | | | | foliated Fsp-Qtz-Bio meatsediment, foliation | | | | | |
| | | | | at 60 to CA. Moderate fracturing from 78.0- | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 81.5m. Lower contact at 65 to CA. Broken core | | | | | |
| | | | | at contact. | | | | | |
| | | | | | | | | | |
| **82.40** | **82.85** | 0.45 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Altered Fsp-Qtz pegmatite dyke. Specks of Aspy | **753123** | 82.40 | 82.85 | 0.45 | <100 ppm |
| | | | | no visible SP; ~5% qtz. | | | | | |
| | | | | Lower contact 50 to CA | | | | | |
| | | | | | | | | | |
| **82.85** | **84.05** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained Fsp-Qtz-Bio metased. | | | | | |
| | | | | more biotite-rich. Foliation at 60 to CA | | | | | |
| | | | | Lower contact at 35 to CA. | | | | | |
| | | | | | | | | | |
| **84.05** | **84.80** | 0.75 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Medium grained Fsp-Qtz+/-SP+/-Ap. | **753124** | 84.05 | 84.80 | 0.75 | <100 ppm |
| | | | | Trace amounts of SP odd mm size apatite grain | | | | | |
| | | | | sugary texture fsp. | | | | | |
| | | | | Broken, grounded core at lower contact. | | | | | |
| | | | | | | | | | |
| **84.80** | **93.34** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, Fsp-Qtz-Bio metased. | | | | | |
| | | | | Variable foliation between 45 and 70 to CA | | | | | |
| | | | | Lower contact at 90 to CA | | | | | |
| | | | | | | | | | |
| **93.34** | **97.40** | 4.06 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, relatively fresh Fsp-SP-Qtz-PH peg. | **753125** | 93.34 | 94.34 | 1.00 | 0.92 |
| | | | | 15% coarse SP subparallel to CA, ~10% PH, | **753126** | 94.34 | 95.34 | 1.00 | 1.75 |
| | | | | 10-15% Qtz, odd tourmaline speck | **753127** | 95.34 | 96.40 | 1.06 | 2.11 |
| | | | | Lower contact sharp at 90 to CA. | **753128** | 96.40 | 97.40 | 1.00 | 0.65 |
| | | | | | | | | | |
| **97.40** | **107.16** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Dark grey, massive, fine grained Fsp-Qtz-bio | | | | | |
| | | | | 105.97-106.2 pegmatite dyke at 75 to CA | | | | | |
| | | | | Altered Fsp-Qtz with specks of Apatite, trace SP | | | | | |
| | | | | 106.5-106.8 two Fsp-qtz+/-SP pegmatite dykes | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | oriented at 50 to CA. | | | | | |
| | | | | | | | | | |
| **107.16** | **108.80** | 1.64 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Medium to coarse Fsp-SP-Qtz-PH with ~15% SP | **753129** | 107.16 | 108.80 | 1.64 | 1.09 |
| | | | | as 10cm long crystals subparallel to CA. Thin | **753130** | BLANK | | | <100 ppm |
| | | | | band of tourmaline at 107.8m | | | | | |
| | | | | Lower contact at 35 to CA. | | | | | |
| | | | | | | | | | |
| **108.80** | **116.47** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 97.4 to 107.16. This section has been | **753131** | 115.57 | 115.93 | 0.36 | 0.98 |
| | | | | cut by several thin 15-35cm pegmatite dykes | | | | | |
| | | | | of Fsp-Qtz-PH+/-SP composition as follows: | | | | | |
| | | | | 112.7-112.95 25cm peg dyke at 90 to CA | | | | | |
| | | | | 113.27-113.39 12cm peg dyke at 70 to CA | | | | | |
| | | | | 114.27-114.53 28cm peg dyke at 50 to CA | | | | | |
| | | | | 115.57-115.93 36cm peg dyke at 50 to CA | | | | | |
| | | | | Lowerr contact of metasediment sharp at 65 to | | | | | |
| | | | | CA | | | | | |
| | | | | | | | | | |
| **116.47** | **119.15** | 2.68 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, variably altered Fsp-SP-Qtz-PH+/-Mv | **753132** | 116.47 | 117.47 | 1.00 | 1.94 |
| | | | | 15% SP as up to 10cm long crystals subparallel | **753133** | 117.47 | 118.15 | 0.68 | 1.33 |
| | | | | to CA, 10% PH 20% qtz. | **753134** | 118.15 | 119.15 | 1.00 | 1.32 |
| | | | | Lower contact 90 to CA. | | | | | |
| | | | | | | | | | |
| **119.15** | **122.54** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 97.4 to 107.16 | | | | | |
| | | | | Lower contact sharp at 50 to CA. | | | | | |
| | | | | | | | | | |
| **122.54** | **124.03** | 1.49 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse SP located at the center of dyke, 5-10% | **753135** | 122.54 | 123.34 | 0.80 | 2.32 |
| | | | | qtz, Fsp locally altered to smoky grey patches | **753136** | 123.34 | 124.03 | 0.69 | 0.27 |
| | | | | minor phlogopite. Lower contact sharp at 90 to | | | | | |
| | | | | CA. 18 cm thick metasediment section near the | | | | | |
| | | | | lower contact | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **124.03** | **130.33** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, massive, dark grey Fsp-qtz-bio | | | | | |
| | | | | locally weak foliation. | | | | | |
| | | | | | | | | | |
| | | | | **130.33m E.O.H.** | | | | | |

| **ASSAY** | **(averages)** from | **SUMMARY** to |
|---|---|---|
| 1.40%/7.14m | 21.08 | 28.22 |
| 1.75%/6.55m | 47.87 | 54.42 |
| 1.60%/2.56m | 61.75 | 64.31 |
| 1.78%/2.31m | 64.92 | 67.23 |
| 1.36%/3.09m | 70.37 | 73.46 |
| 1.60%/3.06m | 93.34 | 96.40 |
| 1.55%/2.68m | 116.47 | 119.15 |

LITHIUM ONE INC..
Property : James Bay Lithium

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DDH # : | **JBL09-06** | | Start : | 22-jun-09 | Drilled by : | | Chibougamau |
| Azimuth : | 110° | LOCATION UTM | End : | 23-jun-09 | | | Diamond Drilling |
| Dip: | -45° | 358779 mE | | | Logged by : | | A.Peshkepia |
| Elevation: | 234m | 5789277 mN | | | **Verified by:** | **AJMc** | Jan 20th,2010 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **0.00** | **3.55** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **3.55** | **11.52** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained, Fsp-Qtz-Bio metased | | | | | |
| | | | | iment. Moderate foliation at 90 to CA. This unit | | | | | |
| | | | | has been cut by several thin (<30cm )pegmatite | | | | | |
| | | | | dykes of Fsp-Qtz-Mv+/-PH composition | | | | | |
| | | | | oriented at 90 to CA at the following depths: | | | | | |
| | | | | 4.75-4.97m 0.22m pegmatite oriented at 90 | | | | | |
| | | | | to CA; | | | | | |
| | | | | 6.0-6.10m 10cm pegmatite | | | | | |
| | | | | 7.12-7.37; 25cm pegmatite | | | | | |
| | | | | 10.03-10.37m 0.34m Fsp-qtz-PH+/-SP(1-3%) | | | | | |
| | | | | fine to medium grained pegmatite at 80 to CA. | | | | | |
| | | | | | | | | | |
| **11.52** | **12.73** | 1.21 | **I1G** | **PEGMATITE** | **753181** | 10.03 | 10.37 | 0.34 | 0.14 |
| | | | | Medium to coarse grained Fsp-Sp-Qtz-MV+/-PH | **753182** | 11.52 | 12.73 | 1.21 | 1.89 |
| | | | | dyke with 10-15% SP of crystals of variable size | | | | | |
| | | | | and moderately altered to yellowish-green | | | | | |
| | | | | mineral. SP crystals are oriented subparallel to | | | | | |
| | | | | CA. | | | | | |
| | | | | Upper contact at 90 to CA; Lower contact at | | | | | |
| | | | | 80 to CA. | | | | | |
| | | | | | | | | | |
| **12.73** | **13.55** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Same as 3.55 to 11.52m. | | | | | |
| | | | | | | | | | |
| **13.55** | **25.55** | 12.00 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, milky white, weakly altered Fsp-SP-Qtz- | **753183** | 13.55 | 14.55 | 1.00 | 1.56 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | PH+/-Ap pegmatite. Minor tourmaline as small | **753184** | 14.55 | 16.00 | 1.45 | 0.57 |
| | | | | grains 1-3mm, 20-25% SP as large several cm | **753185** | 16.00 | 17.00 | 1.00 | 1.36 |
| | | | | long crystals. | **753186** | 17.00 | 18.50 | 1.50 | 0.99 |
| | | | | Upper contact 70 to CA; Lower contact 50 to | **753187** | 18.50 | 20.00 | 1.50 | 1.45 |
| | | | | CA. This unit includes three metasediment inter | **753188** | 20.00 | 21.50 | 1.50 | 2.20 |
| | | | | vals at: | **753189** | 21.50 | 23.00 | 1.50 | 1.42 |
| | | | | 14.88-15.0; 0.12m metasediment M2. | **753190** | DUPLICATE | | | 1.40 |
| | | | | 15.42-15.87m 0.45m metasediment M2 | **753191** | 23.00 | 24.55 | 1.55 | 0.96 |
| | | | | 16.11-16.37m 0.26m metasediment M2 at 90 to | **753192** | 24.55 | 25.55 | 1.00 | 1.67 |
| | | | | CA. | | | | | |
| | | | | | | | | | |
| **25.55** | **29.60** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Grey, fine grained, Fsp-Qtz-Bio metasediment | | | | | |
| | | | | modertae foliation at 65 to CA. | | | | | |
| | | | | Lower contact at 85 to CA. | | | | | |
| | | | | | | | | | |
| **29.60** | **31.20** | 1.60 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, milky white, Fsp-Sp-Qtz-Mv pegmatite | **753193** | 29.60 | 31.20 | 1.60 | 1.26 |
| | | | | ~15% spodumene locally altered, minor garnet | | | | | |
| | | | | near the lower contact. Lower contact at 60 to | | | | | |
| | | | | CA | | | | | |
| | | | | | | | | | |
| **31.20** | **47.43** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained, Fsp-Qtz-Bio, modera | | | | | |
| | | | | te foliation at 40 to CA at 36m; 60 to CA at 45m | | | | | |
| | | | | 90 to CA at 47m | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| **47.43** | **58.45** | 11.02 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, altered Fsp-Sp-Qtz-Ph-Mv pegmatite. | **753194** | 47.43 | 48.43 | 1.00 | 1.39 |
| | | | | Fsp altered to smoky grey in patches at several | **753195** | 48.43 | 49.22 | 0.79 | 1.56 |
| | | | | locations. Spodumene altered to yellowish-white | **753196** | 49.82 | 50.82 | 1.00 | 2.65 |
| | | | | ~20% SP 1-6cm long crystals. | **753197** | 50.82 | 52.00 | 1.18 | 1.65 |
| | | | | 1cm Aspy bleb at 49.0m. This pegmatite contains | **753198** | 52.00 | 53.50 | 1.50 | 1.89 |
| | | | | three metasedimetn intervals at: | **753199** | 53.50 | 55.00 | 1.50 | 1.52 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 49.22-49.82m; 0.6m weakly foliated Fsp-Qtz-Bio | **753200** | STANDARD LOW | | | 0.90 |
| | | | | Upper contact at 45 to CA; lower contact at 90 | **753201** | 55.00 | 56.50 | 1.50 | 1.85 |
| | | | | 57.03-57.21m; 18cm metasediment section at | **753202** | 56.50 | 57.50 | 1.00 | 1.46 |
| | | | | 80 to CA | **753203** | 57.50 | 58.45 | 0.95 | 0.62 |
| | | | | 57.5-57.75m; 0.25m metasediment interval at 90 | | | | | |
| | | | | to CA. | | | | | |
| | | | | Upper pegmatite contact at 70 to CA; lower | | | | | |
| | | | | contact at 90 to CA. | | | | | |
| | | | | | | | | | |
| **58.45** | **60.35** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 31.2 to 47.43m. | | | | | |
| | | | | | | | | | |
| **60.35** | **64.85** | 4.50 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse to very coarse Fsp-SP-Qtz-PH-Mv peg | **753204** | 60.35 | 61.35 | 1.00 | 1.13 |
| | | | | matite. Minor tourmaline (<5mm); 25-30% SP as | **753205** | 61.35 | 62.35 | 1.00 | 2.28 |
| | | | | up to 10cm long crystals parallel to CA | **753206** | 62.35 | 63.85 | 1.50 | 1.96 |
| | | | | minor Apatite and odd 5mm Aspy bleb. | **753207** | 63.85 | 64.85 | 1.00 | 1.57 |
| | | | | Upper contact 60 to CA; lower contact 35 to CA | | | | | |
| | | | | | | | | | |
| **64.85** | **100.97** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Grey, fine grained, massive to weakly foliated | | | | | |
| | | | | Fsp-Qtz-Bio; moderate fracturing from 80.0 to | | | | | |
| | | | | 87.0m Foliation at 80 to CA at 78m and 50 to | | | | | |
| | | | | CA at 95m. | | | | | |
| | | | | Lower contact sharp at 70 to CA. | | | | | |
| | | | | | | | | | |
| **100.97** | **106.14** | 5.17 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, altered Fsp-SP-Qtz-PH-Mv pegmatite. | **753208** | 100.97 | 101.97 | 1.00 | 0.49 |
| | | | | Fsp pervasively altered to dark grey calcic | **753209** | 101.97 | 103.50 | 1.53 | 1.17 |
| | | | | spodumene altered to serpentine like mineral 102.5 | **753210** | BLANK | | | <100 ppm |
| | | | | to 103.5m ~20-25%SP; minor Apatite and | **753211** | 103.50 | 105.14 | 1.64 | 1.89 |
| | | | | specks of tourmaline. Lower contact at 70 to CA | **753212** | 105.14 | 106.14 | 1.00 | 0.79 |
| | | | | | | | | | |
| **106.14** | **107.67** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, frey, massive Fsp-qtz-bio meta- | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | sediment. Lower contact sharp at 85 to CA. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| **107.67** | **108.84** | 1.17 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, Fsp-SP-Qtz-PH pegmatite, altered fsp | **753213** | 107.67 | 108.84 | 1.17 | 1.22 |
| | | | | ~15-20% SP altered to serpentine like mineral | | | | | |
| | | | | in places. | | | | | |
| | | | | 108.55-108.68 metasediment xenolith, silvery | | | | | |
| | | | | white fine grained mica (~10%), oriented at | | | | | |
| | | | | 90 to CA | | | | | |
| | | | | Lower contact of pegmatite at 90 to CA. | | | | | |
| | | | | | | | | | |
| **108.84** | **110.90** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, light grey, massive metasediment, | | | | | |
| | | | | pervasive silicification? Contains more quartz and | | | | | |
| | | | | less biotite than typical M1 metasediment. | | | | | |
| | | | | Lower contact sharp at 90 to CA. | | | | | |
| | | | | | | | | | |
| **110.90** | **117.72** | 6.82 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, altered pegmatite Fsp-Sp-Qtz-PH. Fsp | **753214** | 110.90 | 111.90 | 1.00 | 0.04 |
| | | | | altered to its grey calcic variaty, SP altered to | **753215** | 111.90 | 112.95 | 1.05 | 0.16 |
| | | | | dark green soft serpentine like mineral from | **753216** | 113.70 | 114.70 | 1.00 | 0.37 |
| | | | | 110.9 to 112.95m. ~15-20% SP overall | **753217** | 114.70 | 115.70 | 1.00 | 2.69 |
| | | | | 112.95-113.7 light grey, silicified? Metasediment | **753218** | 115.70 | 116.72 | 1.02 | 2.28 |
| | | | | M1, upper contact 80 to CA, lower contact | **753219** | 116.72 | 117.72 | 1.00 | 2.26 |
| | | | | 30 to CA. | **753220** | STANDARD LOW | | | 0.89 |
| | | | | 114.0-114.6m biotite and mica rich metasediment | | | | | |
| | | | | xenolith Fsp-Qtz-Bio-Mv(?) | | | | | |
| | | | | 114.6-117.72 coarse pegmatite, less altered Fsp | | | | | |
| | | | | pale green SP. | | | | | |
| | | | | Lower contact sharp at 65 to CA. | | | | | |
| | | | | | | | | | |
| **117.72** | **122.63** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Bluish-grey, massive, fine grained Fsp-Qtz-bio | | | | | |
| | | | | Lower contact sharp at 90 to CA. | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **122.63** | **123.10** | 0.47 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Medium grained Fsp-Qtz+/-SP pegmatite, | **753221** | 122.63 | 123.10 | 0.47 | 0.02 |
| | | | | patches of dark grey altered fsp | | | | | |
| | | | | Lower contact sharp at 90 to CA. | | | | | |
| | | | | | | | | | |
| **123.10** | **142.25** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Grey to faint bluish-grey, massive, fine grained | | | | | |
| | | | | Fsp-Qtz-Bio metasediment, weak foliation at 75 | | | | | |
| | | | | to CA. | | | | | |
| | | | | 140.02-140.32m; 0.3m pegmatite dyke Fsp-Qtz | | | | | |
| | | | | fine to medium grained, at 90 to CA. | | | | | |
| | | | | | | | | | |
| **142.25** | **142.82** | 0.57 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Medium to fine grained Fsp-Qtz-Mv+/-SP | **753222** | 142.25 | 142.82 | 0.57 | 0.04 |
| | | | | pegmatite dyke oriented at 70 to CA. | | | | | |
| | | | | | | | | | |
| **142.82** | **143.75** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 123.1 to 142.25m. | | | | | |
| | | | | | | | | | |
| **143.75** | **147.36** | 3.61 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Medium to coarse grained Fsp-Qtz+/-SP pegma | **753223** | 143.75 | 144.65 | 0.90 | 1.16 |
| | | | | tite; ~1-3%SP fine grained. | **753224** | 145.20 | 145.50 | 0.30 | 2.06 |
| | | | | 144.65-145.2m; 0.55m metasediment M1, inter | **753225** | 146.10 | 147.36 | 1.26 | 0.05 |
| | | | | section at 60 to CA | | | | | |
| | | | | 145.5-146.1m; 0.6m metasediment M1 at 60 to | | | | | |
| | | | | CA. Lower contact of pegmatite at 85 to CA. | | | | | |
| | | | | | | | | | |
| **147.36** | **149.70** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 123.1 to 142.25m. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | **149.70m E.O.H.** | | | | | |

LITHOLOGY

| From | To | Length | Rock | Description | Sample # | From | To | Length | $Li_2O$ |
|---|---|---|---|---|---|---|---|---|---|
| | | (m) | Code | | | | | (m) | (%) |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.33%/12.00m | 13.55 | 25.55 |
| 1.65%/10.07m | 47.43 | 57.50 |
| 1.76%/4.50m | 60.35 | 64.85 |
| 1.54%/3.17m | 101.97 | 105.14 |
| 2.41%/3.02m | 114.70 | 117.72 |

LITHIUM ONE INC..
Property : James Bay Lithium

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DDH # : | **JBL09-07** | | Start : | 24-jun-09 | Drilled by : | | Chibougamau |
| Azimuth : | 110° | LOCATION UTM | End : | 25-jun-09 | | | Diamond Drilling |
| Dip: | -80° | 358765 mE | | | Logged by : | | A.Peshkepia |
| Elevation: | 238m | 5789227 mN | | | **Verified by:** | **AJMc** | Jan 20th,2010 |

LITHOLOGY Page:

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **0.00** | **5.00** | | | **OVERBURDEN** | | | | | |
| | | | | 0.0-3.30 Casing | | | | | |
| | | | | 3.3-5.0 Grounded core, boulders of metased., | | | | | |
| | | | | granite. | | | | | |
| | | | | | | | | | |
| **5.00** | **9.90** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, massive, fine grained Fsp-Qtz-Bio | | | | | |
| | | | | metasediment, weak foliation at 70 to CA. | | | | | |
| | | | | | | | | | |
| **9.90** | **11.63** | 1.73 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, fresh to weakly altered Fsp-Qtz-SP-PH | **753273** | 9.90 | 10.90 | 1.00 | 0.79 |
| | | | | pegmatite with ~5%SP. Odd 5mm Aspy bleb | **753274** | 10.90 | 11.63 | 0.73 | 0.18 |
| | | | | Upper contact at 90 to CA; lower contact at | | | | | |
| | | | | 45 to CA. | | | | | |
| | | | | | | | | | |
| **11.63** | **15.30** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Massive, grey, fine grained Fsp-Qtz-Bio, foliation | | | | | |
| | | | | weak at 60 to CA. | | | | | |
| | | | | | | | | | |
| **15.30** | **16.98** | 1.68 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Medium to coarse grained, milky white Fsp-Sp- | **753275** | 15.30 | 16.98 | 1.68 | 1.98 |
| | | | | Qtz-PH pegmatite with 5-10%SP as pale green | | | | | |
| | | | | crystals subparallel to CA up to 8cm long. | | | | | |
| | | | | Upper contact at 90 to CA; lower contact at 65 | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |
| **16.98** | **19.12** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 11.63 to 15.3m. | | | | | |
| | | | | | | | | | |

LITHOLOGY



| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **19.12** | **24.35** | 5.23 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Fresh, coarse Fsp-SP-Qtz-PH pegmatite; large | **753276** | 19.12 | 20.12 | 1.00 | 2.22 |
| | | | | up to15-20cm long spodumene crystals; 20-25% | **753277** | 20.12 | 21.70 | 1.58 | 2.01 |
| | | | | SP; 1cm subhedral garnet at upper contact. | **753278** | 21.70 | 23.35 | 1.65 | 2.04 |
| | | | | Upper contact at 70 to CA; lower contact at | **753279** | 23.35 | 24.35 | 1.00 | 0.75 |
| | | | | 50 to CA. | **753280** | STANDARD LOW | | | 0.85 |
| | | | | | | | | | |
| **24.35** | **24.92** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, massive Fsp-Qtz-Bio. | | | | | |
| | | | | | | | | | |
| **24.92** | **25.92** | 1.00 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, locally altered Fsp-SP-Qtz-PH pegmatite | **753281** | 24.92 | 25.92 | 1.00 | 1.72 |
| | | | | 5-10% SP. Fsp altered to smoky grey patches. | | | | | |
| | | | | both contacts at 60 to CA. | | | | | |
| | | | | | | | | | |
| **25.92** | **30.11** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, massive Fsp-Qtz-Bio meta- | | | | | |
| | | | | sediment, weak foliation at 50 to CA. | | | | | |
| | | | | | | | | | |
| **30.11** | **31.07** | 0.96 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Medium to coarse grained pegmatite; Fsp-Sp- | **753282** | 30.11 | 31.07 | 0.96 | 0.59 |
| | | | | Qtz+/-PH; ~5% SP as small 1-2cm crystals. | | | | | |
| | | | | Upper contacts at 45 to CA; lower contact at | | | | | |
| | | | | 50 to CA. | | | | | |
| | | | | | | | | | |
| **31.07** | **34.00** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 25.92 to 30.11m | | | | | |
| | | | | 31.51-31.72m; 0.21m pegmatite dyke medium | | | | | |
| | | | | grained Fsp-Qtz+/-Mv. | | | | | |
| | | | | | | | | | |
| **34.00** | **46.58** | 12.58 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, milky white, fresh Fsp-SP-Qtz- | **753283** | 34.00 | 35.00 | 1.00 | 0.17 |
| | | | | PH pegmatite with up to 15% Spodumene as up | **753284** | 35.00 | 36.50 | 1.50 | 1.42 |
| | | | | to 10cm long crystals subparallel to CA. Few | **753285** | 36.50 | 38.00 | 1.50 | 1.92 |
| | | | | Apatite grains 2-6mm in size. Irregular upper | **753286** | 38.00 | 39.50 | 1.50 | 1.44 |

LITHOLOGY



| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | contact subparallel to CA. | **753287** | 39.50 | 41.00 | 1.50 | 1.47 |
| | | | | 35.15-35.30m, 15cm metasediment interval at | **753288** | 41.00 | 42.50 | 1.50 | 1.27 |
| | | | | 90 to CA; | **753289** | 42.50 | 44.00 | 1.50 | 1.21 |
| | | | | 45.8-46.10; 30 cm metasediment at 80 to CA | **753290** | BLANK | | | <100 ppm |
| | | | | Lower contact of the pegmatite sharp at 75 to | **753291** | 44.00 | 45.58 | 1.58 | 2.22 |
| | | | | CA. | **753292** | 45.58 | 46.58 | 1.00 | 0.77 |
| | | | | | | | | | |
| **46.58** | **47.64** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, massive Fsp-Qtz-Bio, weakly | | | | | |
| | | | | foliated metasediment. Foliation at 80 to CA. | | | | | |
| | | | | | | | | | |
| **47.64** | **53.32** | 5.68 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Milky white, coarse grained Fsp-SP-Qtz-PH | **753293** | 47.64 | 48.64 | 1.00 | 1.47 |
| | | | | pegmatite with 15-20% spodumene as up to 10 | **753294** | 48.64 | 49.84 | 1.20 | 1.50 |
| | | | | cm long pale green crystals subparallel to CA. | **753295** | 49.84 | 51.04 | 1.20 | 1.89 |
| | | | | Unaltered Fsp. Upper contact at 65 to CA; | **753296** | 51.04 | 52.32 | 1.28 | 2.01 |
| | | | | lower contact at 60 to CA. | **753297** | 52.32 | 53.32 | 1.00 | 1.02 |
| | | | | | | | | | |
| **53.32** | **57.60** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, massive Fsp-Qtz-Bio, weakly | | | | | |
| | | | | foliated metasediment. Foliation at 60 to 80 to | | | | | |
| | | | | CA. | | | | | |
| | | | | | | | | | |
| **57.60** | **59.78** | 2.18 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Medium to coarse grained pegmatite Fsp-SP-Qtz | **753298** | 57.60 | 58.60 | 1.00 | 1.21 |
| | | | | PH; 15-20% spodumene, unultered Fsp, few | **753299** | 58.60 | 59.78 | 1.18 | 1.36 |
| | | | | Apatite grains <1cm in size at 58.9m. Upper | **753300** | STANDARD HIGH | | | 1.37 |
| | | | | contact at 85 to Ca; lower contact at 70 to CA | | | | | |
| | | | | | | | | | |
| **59.78** | **81.65** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 53.32 to 57.6m. | | | | | |
| | | | | 64.15-64.25; 10cm pegmatite dyke at 70 to CA | | | | | |
| | | | | 64.88-64.98; 10cm pegmatite at 50 to CA; | | | | | |
| | | | | 66.46-66.7; 24cm pegmatite dyke at 75 to CA | | | | | |
| | | | | None of these dykes contain visible spodumene. | | | | | |

LITHOLOGY Page:

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **81.65** | **83.87** | 2.22 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, altered pegmatite Fsp-SP-Qtz- | **753301** | 81.65 | 82.65 | 1.00 | 0.09 |
| | | | | PH-Mv. ~10% spodumene; Fsp altered to dark | **753302** | 82.65 | 83.87 | 1.22 | 1.50 |
| | | | | grey patches. Broken core at upper contact; | | | | | |
| | | | | lower contact at 60 to CA. | | | | | |
| | | | | | | | | | |
| **83.87** | **90.40** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 53.32 to 57.6m. | | | | | |
| | | | | 88.9-89.0; 10cm pegmatite dyke Fsp-Qtz-Mv at | | | | | |
| | | | | 60 to CA. | | | | | |
| | | | | | | | | | |
| **90.40** | **92.98** | 2.58 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, unaltered Fsp-Qtz-SP-PH pegmatite | **753303** | 90.40 | 91.60 | 1.20 | 0.77 |
| | | | | with 5-10% spodumene at variable size grains | **753304** | 91.60 | 92.98 | 1.38 | 0.26 |
| | | | | Upper contact at 70 to CA; lower contact at 25 | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |
| **92.98** | **95.78** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 53.32 to 57.6m. | | | | | |
| | | | | | | | | | |
| **95.78** | **99.16** | 3.38 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Unaltered, coarse grained Fsp-SP-Qtz-PH peg- | **753305** | 95.78 | 96.78 | 1.00 | 1.11 |
| | | | | matite with 10-15% spodumene as up to 10cm | **753306** | 96.78 | 98.16 | 1.38 | 1.77 |
| | | | | long crystals subparallel to CA. | **753307** | 98.16 | 99.16 | 1.00 | 1.22 |
| | | | | Both contacts at 60 to CA. | | | | | |
| | | | | | | | | | |
| **99.16** | **100.08** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grsained, grey, massive Fsp-Qtz-Bio meta- | | | | | |
| | | | | sediment. | | | | | |
| | | | | | | | | | |
| **100.08** | **101.02** | 0.94 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, locally altered Fsp-SP-Qtz+/-PH | **753308** | 100.08 | 101.02 | 0.94 | 1.92 |
| | | | | pegmatite with 15-20% spodumene of variable | | | | | |
| | | | | size crystals and few subhedral granet aggregates | | | | | |

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | near the upper contact. Upper contact at 60 to | | | | | |
| | | | | CA; lower contact at 55 to CA. | | | | | |
| | | | | | | | | | |
| **101.02** | **103.75** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 99.16 to 100.08m. | | | | | |
| | | | | | | | | | |
| **103.75** | **108.95** | 5.20 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Unaltered, coarse grained Fsp-SP-Qtz-PH pegma | **753309** | 103.75 | 104.75 | 1.00 | 1.21 |
| | | | | tite with 15-20% Spodumene, odd Apatite grains | **753310** | DUPLICATE | | | 1.22 |
| | | | | at 105.0 and 107.5m. Upper contact at 75 to CA; | **753311** | 104.75 | 106.35 | 1.60 | 1.63 |
| | | | | lower contact at 85 to CA. | **753312** | 106.35 | 107.95 | 1.60 | 2.06 |
| | | | | | **753313** | 107.95 | 108.95 | 1.00 | 1.04 |
| | | | | | | | | | |
| **108.95** | **113.56** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey to bluish -grey, massive | | | | | |
| | | | | Fsp-Qtz-Bio metasediment. | | | | | |
| | | | | | | | | | |
| **113.56** | **114.87** | 1.31 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Altered, medium to coarse grained pegmatite; | **753314** | 113.56 | 114.87 | 1.31 | 0.34 |
| | | | | Fsp-Qtz-Mv+/-SP; 1-3% spodumene finner | | | | | |
| | | | | grained, altered to a yellowish-green mineral | | | | | |
| | | | | Fine grained, yellowish-white muskovite near | | | | | |
| | | | | both contacts for ~10-15cm; Upper contact | | | | | |
| | | | | at 75 to CA; lower contact at 80 to CA. | | | | | |
| | | | | | | | | | |
| **114.87** | **122.95** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 108.95 to 113.56m. | | | | | |
| | | | | | | | | | |
| **122.95** | **124.00** | 1.05 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Altered, coarse grained Fsp-Qtz pegmatite | **753315** | 122.95 | 124.00 | 1.05 | 0.11 |
| | | | | with fine grained sugary texture Fsp near both | | | | | |
| | | | | contacts; no visible spodumene. | | | | | |
| | | | | Upper contact at 80 to CA; lower contact at | | | | | |
| | | | | 70 to CA. | | | | | |
| | | | | | | | | | |

LITHOLOGY Page:

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **124.00** | **127.57** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 108.95 to 113.56m. | | | | | |
| | | | | | | | | | |
| **127.57** | **128.07** | 0.50 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Zoned pegmatite with coarse Fsp-Qtz-PH in the | **753316** | 127.57 | 128.07 | 0.50 | 0.11 |
| | | | | center and fine grained Fsp near contacts. Both | | | | | |
| | | | | contacts at 65 to CA. No visible spodumene | | | | | |
| | | | | | | | | | |
| **128.07** | **131.68** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, massive Fsp-Qtz-Bio metase- | | | | | |
| | | | | diment intersected by three pegmatite dyklets | | | | | |
| | | | | from 30.3 to 30.6 m oriented at 60 to 70 to CA. | | | | | |
| | | | | | | | | | |
| **131.68** | **136.28** | 4.60 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, weakly altered Fsp-SP-Qtz pegmatite | **753317** | 131.68 | 132.68 | 1.00 | 1.99 |
| | | | | with 15-20% spodumene as 1-5cm long crystals | **753318** | 132.68 | 133.98 | 1.30 | 1.34 |
| | | | | Fsp is altered to smoky grey for~30cm near both | **753319** | 132.68 | 135.28 | 1.30 | 1.69 |
| | | | | contacts. Both contacts at 70 to CA; | **753319rp** | | | | 1.56 |
| | | | | 133.37-133.51; 14cm metasediment xenolith. | **753320** | STANDARD LOW | | | 0.83 |
| | | | | | **753321** | 135.28 | 136.28 | 1.00 | 1.62 |
| **136.28** | **140.70** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, massive Fsp-Qtz-Bio | | | | | |
| | | | | metasediment, weak foliation at 70 to CA; | | | | | |
| | | | | 137.8-138.0; 20cm altered pegmatite dyke | | | | | |
| | | | | Fsp-Qtz, oriented at 85 to CA. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | **140.70m E.O.H.** | | | | | |

| **ASSAY** | **(averages)** from | **SUMMARY** to |
|---|---|---|
| 1.82%/5.23m | 19.12 | 24.35 |
| 1.57%/10.58m | 35.00 | 45.58 |
| 1.61%/5.68m | 47.64 | 53.32 |
| 1.29%/2.18m | 57.60 | 59.78 |

LITHOLOGY



| From | To | Length | Rock | Description | Sample # | From | To | Length | $Li_2O$ |
|---|---|---|---|---|---|---|---|---|---|
| | | (m) | Code | | | | | (m) | (%) |
| | | | | 1.41%/3.38m | 95.78 | 99.16 | | | |
| | | | | 1.57%/5.20m | 103.75 | 108.95 | | | |
| | | | | 1.62%/4.60m | 131.68 | 136.28 | | | |

LITHIUM ONE INC..
Property : James Bay Lithium

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DDH # : | **JBL09-08** | | Start : | 27-jun-09 | Drilled by : | | Chibougamau |
| Azimuth : | 110° | LOCATION UTM | End : | 28-jun-09 | | | Diamond Drilling |
| Dip: | -45° | 358735 mE | | | Logged by : | | A.Peshkepia |
| Elevation: | 234m | 5789185 mN | | | **Verified by:** | **AJMc** | Jan 20th,2010 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **0.00** | **2.60** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **2.60** | **8.30** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Dark grey to black, fine grained, strong foliation | | | | | |
| | | | | subparallel to CA. Biotite (30-40%)-Fsp-Qtz | | | | | |
| | | | | metasediment. Microfolding of feldspar-rich | | | | | |
| | | | | bands locally boudinaged. Lower contact sharp | | | | | |
| | | | | at 35 to CA. | | | | | |
| | | | | | | | | | |
| **8.30** | **18.32** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Light to medium grey, fine grained, massive | | | | | |
| | | | | Fsp-Qtz-Bio(5-10%) metasediment. Moderate | | | | | |
| | | | | foliation subparallel to CA. | | | | | |
| | | | | 9.76-9.97; 19cm Fsp-Mv+/-Qtz f.g. Pegmatite | | | | | |
| | | | | at 90 to CA. | | | | | |
| | | | | | | | | | |
| **18.32** | **21.20** | 2.88 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, fresh Fsp-SP-Qtz-PH pegmatite | **753377** | 18.32 | 19.32 | 1.00 | 1.63 |
| | | | | 15-20%SP as up to 15cm long grains parallel to | **753378** | 19.32 | 20.20 | 0.88 | 2.45 |
| | | | | CA. Fine grained muskovite and fsp near the | **753379** | 20.20 | 21.20 | 1.00 | 2.06 |
| | | | | upper contact. Few scattered apatite grains | **753380** | STANDARD LOW | | | 0.82 |
| | | | | Fsp is altered to its grey calcic(?) variety at both | | | | | |
| | | | | contacts. Upper contact at 40 to CA; lower | | | | | |
| | | | | contact at 70 to CA. | | | | | |
| | | | | | | | | | |
| **21.20** | **24.07** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Light grey, massive, fine grained, well banded | | | | | |
| | | | | metasediment. Banding at 50 to CA; 1-2cm bio- | | | | | |
| | | | | tite rich bands alternate with Fsp rich bands. | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 23.79-24.07; 28 cm fine grained QFP dyke at the | | | | | |
| | | | | contact with the pegmatite below oriented at | | | | | |
| | | | | 45 to CA; few 5mm euhedral Aspy grains in the | | | | | |
| | | | | QFP. | | | | | |
| | | | | | | | | | |
| **24.07** | **27.00** | 2.93 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, milky white, unaltered Fsp-Qtz- | **753381** | 24.07 | 25.57 | 1.50 | 0.52 |
| | | | | SP+/-PH pegmatite with 5-10% spodumene as | **753382** | 25.57 | 27.00 | 1.43 | 0.27 |
| | | | | up to 10-15cm long crystals. | | | | | |
| | | | | Upper contact at 80 to CA; lower contact at | | | | | |
| | | | | 50 to CA. | | | | | |
| | | | | | | | | | |
| **27.00** | **27.98** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Light grey, fine grained, massive Fsp-Qtz-Bio, | | | | | |
| | | | | intersected by several 5-10cm pegmatite dykes | | | | | |
| | | | | oriented at 70 to CA. | | | | | |
| | | | | | | | | | |
| **27.98** | **31.03** | 3.05 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, unaltered Fsp-Qtz-SP-PH pegmatite, | **753383** | 27.98 | 29.53 | 1.55 | 2.15 |
| | | | | 10-15% spodumene, few scattered small apatite | **753384** | 29.53 | 31.03 | 1.50 | 0.27 |
| | | | | grains. Upper contact 70 to CA; lower contact | | | | | |
| | | | | at 45 to CA. | | | | | |
| | | | | | | | | | |
| **31.03** | **39.47** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, light to medium grey, Fsp-Qtz-Bio | | | | | |
| | | | | metasediment, weak foliation at 30 to CA. Cut | | | | | |
| | | | | few quartz-chlorite veinlets 1-3cm thick of irre- | | | | | |
| | | | | gular shape. | | | | | |
| | | | | | | | | | |
| **39.47** | **50.74** | 11.27 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained FSp-Qtz-SP-PH pegmatite; feld- | **753385** | 39.47 | 40.47 | 1.00 | 0.46 |
| | | | | spar locally altered to smoky grey patches, | **753386** | 40.47 | 42.00 | 1.53 | 1.39 |
| | | | | 10-15% spodumene as 10 to 15cm long crystals | **753387** | 42.00 | 43.50 | 1.50 | 2.02 |
| | | | | subparallel to CA, altered in places to yellowish | **753388** | 43.50 | 45.00 | 1.50 | 1.49 |
| | | | | mineral; | **753389** | 45.00 | 46.50 | 1.50 | 1.26 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 45.0-50.0; relatively unlatered Fsp, | **753390** | DUPLICATE | | | 1.21 |
| | | | | Both contacts at 60 to CA. | **753391** | 46.50 | 48.15 | 1.65 | 1.60 |
| | | | | | **753392** | 48.15 | 49.74 | 1.59 | 1.50 |
| | | | | | **753393** | 49.74 | 50.74 | 1.00 | 0.80 |
| | | | | | | | | | |
| **50.74** | **56.52** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, massive Fsp-Qtz-Bio metase- | | | | | |
| | | | | diment. Lower contact at 35 to CA. | | | | | |
| | | | | | | | | | |
| **56.52** | **59.2** | | | **QFP** | | | | | |
| | | | | Fine grained, light grey, massive, weak foliation | | | | | |
| | | | | at 35 to CA; 1-3mm subhedral to anhedral Fsp | | | | | |
| | | | | grains in interstitial fine grained biotite. | | | | | |
| | | | | Lower contact sharp at 30 to CA. | | | | | |
| | | | | | | | | | |
| **59.2** | **82.43** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 50.74 to 56.52m. | | | | | |
| | | | | Lower contact sharp at 70 to CA. | | | | | |
| | | | | | | | | | |
| **82.43** | **86.60** | 4.17 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, fresh, milky white FSp-SP-Qtz- | **753394** | 82.43 | 83.43 | 1.00 | 1.15 |
| | | | | PH pegmatite, 10-15% spodumene of variable | **753395** | 83.43 | 84.50 | 1.07 | 1.75 |
| | | | | size grains, Apatite blebs at 84.0 and 85.0m. | **753396** | 84.50 | 85.60 | 1.10 | 1.38 |
| | | | | Lower contact sharp at 50 to CA. | **753397** | 85.60 | 86.60 | 1.00 | 1.73 |
| | | | | | | | | | |
| **86.60** | **88.83** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Grey, fine grained, massive Fsp-Qtz-Bio | | | | | |
| | | | | metasediment | | | | | |
| | | | | | | | | | |
| **88.83** | **91.07** | 2.24 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, unaltered Fsp-Qtz-SP-PH pegma | **753398** | 88.83 | 90.00 | 1.17 | 1.22 |
| | | | | tite with ~10% yellowish-white to pale green | **753399** | 90.00 | 91.07 | 1.07 | 1.54 |
| | | | | spodumene. Upper contact at 80 to CA; lower | **753400** | STANDARD LOW | | | 0.73 |
| | | | | contact at 75 to CA. | | | | | |
| | | | | | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **91.07** | **99.33** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 86.6 to 88.83m. | | | | | |
| | | | | 92.6-92.98; 0.38m Fsp-Qtz-Mv+/-SP pegmatite | | | | | |
| | | | | dyke with subhedral ~1cm garnets near upper | | | | | |
| | | | | contact. Both contacts at 80 to CA. | | | | | |
| | | | | | | | | | |
| **99.33** | **102.50** | 3.17 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse to very coarse grained, unaltered Fsp- | **753401** | 92.60 | 92.98 | 0.38 | 0.03 |
| | | | | SP-Qtz-PH pegmatite with spodumene crystals | **753402** | 99.33 | 100.33 | 1.00 | 1.26 |
| | | | | up to 25cm long; ~15-20% SP. Feldspar is | **753403** | 100.33 | 101.50 | 1.17 | 0.97 |
| | | | | weakly altered to smoky grey near both conta- | **753404** | 101.50 | 102.50 | 1.00 | 1.35 |
| | | | | cts. Both contacts at 75 to CA. | | | | | |
| | | | | | | | | | |
| **102.50** | **103.88** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 86.6 to 88.83m | | | | | |
| | | | | | | | | | |
| **103.88** | **105.55** | 1.67 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Altered, medium to coarse grained Fsp-Qtz-SP- | **753405** | 103.88 | 104.78 | 0.90 | 1.50 |
| | | | | PH pegmatite; patchy medium to dark grey alte- | **753406** | 104.78 | 105.55 | 0.77 | 1.97 |
| | | | | red Fsp; 10-15% spodumene a s1-5cm long | | | | | |
| | | | | crystals; fine grained muskovite near both con- | | | | | |
| | | | | tacts in a fine grained fsp groundmass. Upper | | | | | |
| | | | | contact 50 to CA; lower contact at 85 to CA. | | | | | |
| | | | | | | | | | |
| **105.55** | **108.65** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, weak to moderate foliation | | | | | |
| | | | | 50 to 70 degrees to CA; Fsp-Qtz-Bio metasedi- | | | | | |
| | | | | ment. | | | | | |
| | | | | | | | | | |
| **108.65** | **116.05** | 7.40 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, unaltered Fsp-SP-Qtz-PH pegma | **753407** | 108.65 | 109.65 | 1.00 | 1.72 |
| | | | | tite; odd tourmaline grains <1cm; 15-20% spodu- | **753408** | 109.65 | 111.15 | 1.50 | 1.67 |
| | | | | mene as 3-15cm crystals subparallel to CA. | **753409** | 111.15 | 112.65 | 1.50 | 1.52 |
| | | | | Upper contact sharp at 50 to CA; lower contact | **753410** | BLANK | | | 0.08 |
| | | | | irregular. | **753411** | 112.65 | 113.85 | 1.20 | 1.86 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | **753412** | 113.85 | 115.05 | 1.20 | 1.68 |
| | | | | | **753413** | 115.05 | 116.05 | 1.00 | 1.49 |
| | | | | | | | | | |
| **116.05** | **120.22** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Massive, grey, fine grained, Fsp-Qtz-Bio metase | | | | | |
| | | | | diment. | | | | | |
| | | | | 117.17-117.40; 23cm pegmatite dyke Fsp-Qtz- | | | | | |
| | | | | Mv+/-PH oriented at 70 to CA. | | | | | |
| | | | | 117.6-117.7; 10cm fine grained Fsp-Qtz-Mv | | | | | |
| | | | | pegmatite at 70 to CA. | | | | | |
| | | | | | | | | | |
| **120.22** | **121.71** | 1.49 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, locally altered Fsp, Fsp-Qtz-SP- | **753414** | 120.22 | 121.71 | 1.49 | 0.74 |
| | | | | PH pegmatite, 5% spodumene altered to green, | | | | | |
| | | | | soft, serpentine like mineral. Fine grained musko- | | | | | |
| | | | | vite near both contacts. Both contacts oriented | | | | | |
| | | | | at 70 to CA. | | | | | |
| | | | | | | | | | |
| **121.71** | **124.68** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 116.05 to 120.22m. | | | | | |
| | | | | 122.8-123.22; 0.42m altered pegmatite, medium | | | | | |
| | | | | to fine grained FSp-Qtz-Mv oriented at 80 to CA | | | | | |
| | | | | | | | | | |
| **124.68** | **129.13** | 4.45 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, fresh to locally weakly altered | **753415** | 122.80 | 123.22 | 0.42 | 0.23 |
| | | | | Fsp-SP-Qtz-PH pegmatite; 15-20% spodumene | **753416** | 124.68 | 125.68 | 1.00 | 0.52 |
| | | | | as 5-10cm long crystals parallel to CA; odd | **753417** | 125.68 | 126.88 | 1.20 | 2.20 |
| | | | | garnet and tourmaline. Few small apatite grains. | **753418** | 126.88 | 128.13 | 1.25 | 2.15 |
| | | | | Upper contact at 80 to CA; lower contact at 70 | **753419** | 128.13 | 129.13 | 1.00 | 1.43 |
| | | | | to CA. | **753420** | STANDARD HIGH | | | 1.29 |
| | | | | | | | | | |
| **129.13** | **137.08** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Grey, massive, fine grained Fsp-Qtz-Bio meta- | | | | | |
| | | | | sediment, weak foliation at 55 to CA. | | | | | |
| | | | | | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **137.08** | **138.52** | 1.44 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, unaltered FSp-SP-Qtz-PH peg- | **753421** | 135.96 | 136.35 | 0.39 | 0.38 |
| | | | | matite with ~15% spodumene, fine grained,yello | **753422** | 137.08 | 138.52 | 1.44 | 1.03 |
| | | | | wish-white muskovite at the center of dyke; | | | | | |
| | | | | Both contacts sharp at 70 to CA. | | | | | |
| | | | | | | | | | |
| **138.52** | **153.15** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Massive, grey, fine grained Fsp-Qtz-Bio | | | | | |
| | | | | metasediment cut by several thin 3-10cm peg- | | | | | |
| | | | | matite dykes at high angle to CA. | | | | | |
| | | | | | | | | | |
| | | | | **153.15m E.O.H.** | | | | | |

| **ASSAY** | **(averages)** from | **SUMMARY** to |
|---|---|---|
| 2.03%/2.88m | 18.32 | 21.20 |
| 1.47%/10.27m | 40.47 | 50.74 |
| 1.51%/4.17m | 82.43 | 86.60 |
| 1.37%/2.24m | 88.83 | 91.07 |
| 1.18%/3.17m | 99.33 | 102.50 |
| 1.65%/7.40m | 108.65 | 116.05 |
| 1.96%/3.45m | 125.68 | 129.13 |

LITHIUM ONE INC..
Property : James Bay Lithium

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DDH # : | **JBL09-09** | | Start : | 21-jun-09 | Drilled by : | | Chibougamau |
| Azimuth : | 110° | LOCATION UTM | End : | 22-jun-09 | | | Diamond Drilling |
| Dip: | -80° | 358784 mE | | | Logged by : | | A.Peshkepia |
| Elevation: | 233m | 5789300 mN | | | **Verified by:** | **AJMc** | Jan 20th,2010 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **0.00** | **3.47** | | | **OVERBURDEN** | | | | | |
| | | | | 0.00-2.8 casing; | | | | | |
| | | | | 2.8-3.47 5-10cm boulders of gneiss, | | | | | |
| | | | | metasediments. | | | | | |
| | | | | | | | | | |
| **3.47** | **18.55** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, well foliated FSp-Qtz-Bio | | | | | |
| | | | | metasediment; foliation at 50 to CA at 6m, | | | | | |
| | | | | 30 to CA at 11m and 60 to CA at 17.2m | | | | | |
| | | | | 14.86-15.14m; Fsp-Qtz-Mv pegmatite dyke, | | | | | |
| | | | | upper contact at 60 to CA; lower contact at 30 | | | | | |
| | | | | to CA. Lower contact of the unit at 70 to CA. | | | | | |
| | | | | | | | | | |
| **18.55** | **19.70** | 1.15 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Medium to coarse grained, milky white variably | **753137** | 18.55 | 19.70 | 1.15 | 0.13 |
| | | | | altered Fsp-PH-Qtz-SP pegmatite. Minor spodu- | | | | | |
| | | | | mene 1-3%SP. Dark grey patches of altered Fsp | | | | | |
| | | | | Lower contact sharp at 45 to CA. | | | | | |
| | | | | | | | | | |
| **19.70** | **20.53** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Same as 3.47 to 18.55m. | | | | | |
| | | | | | | | | | |
| **20.53** | **21.17** | 0.64 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Medium to coarse grained, Fsp-Qtz-SP+/-PH | **753138** | 20.53 | 21.17 | 0.64 | 1.27 |
| | | | | pegmatite; 3-5% spodumene, minor phlogopite | | | | | |
| | | | | Upper contact sharp at 50 to CA; lower contact | | | | | |
| | | | | sharp at 55 to CA. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **21.17** | **21.38** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | 20cm of well foliated M2 metasediment, fine | | | | | |
| | | | | grained, grey, Fsp-Qtz-Bio. | | | | | |
| | | | | | | | | | |
| **21.38** | **23.85** | | | **MAFIC METAVOLCANIC** | | | | | |
| | | | | Green, massive, fine to medium grained ground- | | | | | |
| | | | | mass with 1-5mm biotite porphyroblasts, ~20% | | | | | |
| | | | | Bio overall. Amph-Fsp-Bio, 5-10mm long amphi- | | | | | |
| | | | | bole ascicular grains. | | | | | |
| | | | | Lower contact sharp at 75 to CA; weak foliation | | | | | |
| | | | | near the lower contact marked by elongated bio- | | | | | |
| | | | | tite porphyroblasts oriented at 70 to CA. | | | | | |
| | | | | | | | | | |
| **23.85** | **25.00** | 1.15 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, variably altered Fsp-SP-Qtz+/-PH peg- | **753139** | 23.85 | 25.00 | 1.15 | 1.04 |
| | | | | matite; 10-15% spodumene as 3-5cm long | **753140** | STANDARD HIGH | | | 1.27 |
| | | | | crystals oriented at 70 to CA; ~25% quartz; | | | | | |
| | | | | minor phlogopite; lower contact sharp at 40 to | | | | | |
| | | | | CA. | | | | | |
| | | | | | | | | | |
| **25.00** | **26.70** | | | **MAFIC METAVOLCANIC** | | | | | |
| | | | | Same as 21.17 to 23.85; slightly coarser biotite | | | | | |
| | | | | porphyroblasts up to 8mm in size. | | | | | |
| | | | | Lower contact sharp at 35 to CA. | | | | | |
| | | | | | | | | | |
| **26.70** | **37.90** | 11.20 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, weakly altered , milky white | **753141** | 26.70 | 27.70 | 1.00 | 0.34 |
| | | | | Fsp-SP-Qtz-PH pegmatite; 20-25% spodume- | **753142** | 27.70 | 29.20 | 1.50 | 0.88 |
| | | | | ne as relatively short , stubby 1-3cm crystals, | **753143** | 29.20 | 30.70 | 1.50 | 1.32 |
| | | | | at high angle to CA; odd apatite grain 1-5mm; | **753144** | 30.70 | 32.20 | 1.50 | 2.04 |
| | | | | 20-25% quartz, 5% phlogopite. | **753145** | 32.20 | 33.70 | 1.50 | 1.49 |
| | | | | Lower contact sharp at 50 to CA. | **753146** | 33.70 | 35.20 | 1.50 | 1.58 |
| | | | | | **753147** | 35.20 | 36.90 | 1.70 | 1.45 |
| | | | | | **753148** | 36.90 | 37.90 | 1.00 | 0.91 |
| | | | | | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **37.90** | **39.60** | | | **MAFIC METAVOLCANIC** | | | | | |
| | | | | Green, fine to medium grained, massive | | | | | |
| | | | | mafic metavolcanic, 25% biotite as 1-4mm | | | | | |
| | | | | porphyroblasts. Amph-Bio-Fsp. Lower contact | | | | | |
| | | | | sharp at 40 to CA. | | | | | |
| | | | | | | | | | |
| **39.60** | **41.40** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Grey, fine grained, moderate foliation at 55 to | | | | | |
| | | | | CA; Fsp-Qtz-Bio; lower contact sharp at 75 to | | | | | |
| | | | | CA. | | | | | |
| | | | | | | | | | |
| **41.40** | **41.95** | 0.55 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Medium to coarse grained pegmatite, Fsp-Qtz+/- | **753149** | 41.40 | 41.95 | 0.55 | 0.20 |
| | | | | SP. Altered feldspar to dark grey patches; 1-3% | **753150** | DUPLICATE | | | 0.21 |
| | | | | spodumene. Lower contact sharp at 60 to CA. | | | | | |
| | | | | | | | | | |
| **41.95** | **46.55** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, well foliated at 30 to CA; | | | | | |
| | | | | Fsp-Qtz-Bio; Lower contact sharp at 40 to CA. | | | | | |
| | | | | | | | | | |
| **46.55** | **47.55** | 1.00 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, milky white to locally dark grey | **753151** | 46.55 | 47.55 | 1.00 | 0.73 |
| | | | | Fsp-Qtz-SP-PH pegmatite; Fsp altered to grey | | | | | |
| | | | | patches; 5-10% spodumene; ~5% quartz; | | | | | |
| | | | | Lower contact sharp at 45 to CA. | | | | | |
| | | | | | | | | | |
| **47.55** | **56.53** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, moderate foliation, Fsp-Qtz- | | | | | |
| | | | | Bio. Foliation at 20 to CA at 48m, 40 to CA at | | | | | |
| | | | | 50m and 60 to Ca at 56m. This unit has been | | | | | |
| | | | | cut by two thin pegmatite dykes: | | | | | |
| | | | | 50.97-51.34; 0.37m Fsp-Qtz-PH+/-SP pegmatite | **753152** | 50.97 | 51.34 | 0.37 | 0.28 |
| | | | | dyke oriented at 40 to CA, and | | | | | |
| | | | | 52.82-53.33; 0.5m Fsp-Qtz+/-PH +/-SP pegma- | **753153** | 52.82 | 53.33 | 0.51 | 0.05 |
| | | | | tite dyke at 40 to CA. | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **56.53** | **62.10** | 5.57 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained altered Fsp-Qtz-SP-PH pegmatite | **753154** | 56.53 | 57.53 | 1.00 | 0.29 |
| | | | | ~10% spodumene locally altered to dark green | **753155** | 57.53 | 59.00 | 1.47 | 0.81 |
| | | | | to black, soft, serpentine like mineral, mainly in | **753156** | 59.00 | 60.00 | 1.00 | 1.53 |
| | | | | the first two meters; specks of Apatite; | **753157** | 60.00 | 61.10 | 1.10 | 0.95 |
| | | | | 60.9-61.15; 25cm metasediment xenolith. | **753158** | 61.10 | 62.10 | 1.00 | 0.36 |
| | | | | Upper contact of the pegmatite sharp at 45 | | | | | |
| | | | | to CA; lower contact irregular, subparallel | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |
| **62.10** | **75.68** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, massive to weakly foliated, medium | | | | | |
| | | | | to slightly darker grey. Fsp-Qtz-Bio; Foliation | | | | | |
| | | | | at 50 to CA; Lower contact at 35 to CA. | | | | | |
| | | | | | | | | | |
| **75.68** | **76.35** | 0.67 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Medium grained, smoky grey, Fsp-Qtz-Mv+/-SP | **753159** | 75.68 | 76.35 | 0.67 | 0.03 |
| | | | | pegmatite; 1-3% f.g. spodumene, altered fsp; | **753160** | STANDARD LOW | | | 0.82 |
| | | | | Lower contact sharp at 50 to CA. | | | | | |
| | | | | | | | | | |
| **76.35** | **84.45** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained, well foliated Fsp-Qtz- | | | | | |
| | | | | Bio metasediment; foliation at 40 to CA; lower | | | | | |
| | | | | contact sharp at 45 to CA. | | | | | |
| | | | | | | | | | |
| **84.45** | **89.5** | 5.05 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Milky white, medium to coarse grained, locally | **753161** | 84.45 | 85.45 | 1.00 | 0.04 |
| | | | | altered pegmatite Fsp-Qtz-Mv-PH-SP; grey fsp | **753162** | 85.45 | 87.00 | 1.55 | 0.88 |
| | | | | 1-3cm large phlogopite at 84.8m; 10-15% | **753163** | 87.00 | 88.50 | 1.50 | 0.54 |
| | | | | spodumene altered to serpentine like mine- | **753164** | 88.50 | 89.50 | 1.00 | 1.36 |
| | | | | ral at 86.0-86.40m | | | | | |
| | | | | 87.90-88.50; 0.6m metasediment xenolith, both | | | | | |
| | | | | contacts sharp at 45 to CA; Fsp-Qtz-Bio f.g. | | | | | |
| | | | | foliation at 20 to CA. | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Lower contact of pegmatite at 45 to CA. | | | | | |
| | | | | | | | | | |
| **89.5** | **94.46** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Same as 76.35 to 84.45m. | | | | | |
| | | | | | | | | | |
| **94.46** | **99.3** | 4.84 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Milky white to locally light grey, Fsp-SP-Qtz-PH | **753165** | 94.46 | 95.46 | 1.00 | 1.47 |
| | | | | pegmatite; 15% pale green, coarse spodumene | **753166** | 95.46 | 97.00 | 1.54 | 1.98 |
| | | | | 5cm long crystals at high angle to CA and | **753167** | 97.00 | 98.30 | 1.30 | 1.46 |
| | | | | stubby. Altered spodumene to serpentine like | **753168** | 98.30 | 99.30 | 1.00 | 0.51 |
| | | | | mineral at 98.7m; ~5% quartz; ~5% phlogopite; | | | | | |
| | | | | 2cm subhedral Apatite grain at 98.0m. | | | | | |
| | | | | Upper contact at 50 to CA; lower contact | | | | | |
| | | | | sharp at 40 to CA. | | | | | |
| | | | | | | | | | |
| **99.3** | **109.3** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey Fsp-Qtz-Bio metasedi- | | | | | |
| | | | | ment, weak foliation at 45 to CA marked by | | | | | |
| | | | | biotite rich lamella 1-2mm thick; lower con- | | | | | |
| | | | | tact sharp sharp at 40 to CA. | | | | | |
| | | | | 107.65-108.0; 0.35m pegmatite dyke, medi- | | | | | |
| | | | | um grained Fsp-Qtz-Mv specks of Aspy, f.g. | | | | | |
| | | | | apatite, contacts at 35 to CA. | | | | | |
| | | | | | | | | | |
| **109.3** | **110.25** | 0.95 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, altered pegmatite, Fsp-Qtz-SP- | **753169** | 109.30 | 110.25 | 0.95 | 0.14 |
| | | | | Mv; medium to dark grey altered feldspar, 1-3% | **753170** | BLANK | | | <100 ppm |
| | | | | spodumene; 5% quartz ~3% muscovite; lower | | | | | |
| | | | | contact sharp at 55 to CA. | | | | | |
| | | | | | | | | | |
| **110.25** | **113.25** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Massive, grey, fine grained Fsp-Qtz-Bio | | | | | |
| | | | | metasediment. Lower contact sharp at 60 | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **113.25** | **118.25** | 5.00 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, locally altered pegmatite Fsp-SP | **753171** | 113.25 | 114.25 | 1.00 | 0.47 |
| | | | | PH-Qtz; 25% spodumene locally massive at 116 | **753172** | 114.25 | 115.75 | 1.50 | 1.10 |
| | | | | ~25cm. Patchy grey altered feldspar, fine grain- | **753173** | 115.75 | 117.25 | 1.50 | 1.99 |
| | | | | ed muscovite, odd tourmaline grains; lower | **753174** | 117.25 | 118.25 | 1.00 | 0.12 |
| | | | | contact sharp at 55 to CA. | | | | | |
| | | | | | | | | | |
| **118.25** | **145.80** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained, moderate folia- | | | | | |
| | | | | tion 40 to 60 to CA; Fsp-Qtz-Bio; cut by a | | | | | |
| | | | | number of 5-10cm pegmatite dykes with | | | | | |
| | | | | Fsp-Qtz and no visible spodumene oriented | | | | | |
| | | | | at 45 to 60 to CA. | | | | | |
| | | | | | | | | | |
| **145.80** | **146.25** | 0.45 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, weakly altered Fsp+/-Qtz+/-SP | **753175** | 145.80 | 146.25 | 0.45 | 0.01 |
| | | | | pegmatite, medium grey altered feldspar;minor | | | | | |
| | | | | spodumene; upper contact 40 to CA; lower | | | | | |
| | | | | contact at 55 to CA. | | | | | |
| | | | | | | | | | |
| **146.25** | **147.95** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 118.25 to 145.8m. | | | | | |
| | | | | | | | | | |
| **147.95** | **148.95** | 1.00 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Medium to coarse grained Fsp-Qtz-SP pegmatite | **753176** | 147.95 | 148.95 | 1.00 | 0.90 |
| | | | | 5-10% spodumene; patchy alteration of feldspar | | | | | |
| | | | | ~10% quartz; Upper contact 55 to CA; lower | | | | | |
| | | | | contact at 40 to CA. | | | | | |
| | | | | | | | | | |
| **148.95** | **153.10** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Grey, fine grained, massive to weakly folia- | | | | | |
| | | | | ted fsp-Qtz-Bio metasediment; foliation at | | | | | |
| | | | | 50 to CA. | | | | | |
| | | | | | | | | | |
| **153.1** | **156.65** | 3.55 | **I1G** | **PEGMATITE** | | | | | |

LITHOLOGY

| From | To | Length | Rock | Description | Sample # | From | To | Length | $Li_2O$ |
|---|---|---|---|---|---|---|---|---|---|
| | | (m) | Code | | | | | (m) | (%) |
| | | | | Coarse grained, locally altered Fsp-SP-Qtz+/-PH | **753177** | 153.10 | 154.10 | 1.00 | 0.53 |
| | | | | pegmatite; 20% spodumene, altered from 154.0- | **753178** | 154.10 | 155.65 | 1.55 | 2.15 |
| | | | | 155.5 | **753179** | 155.65 | 156.65 | 1.00 | 0.32 |
| | | | | 153.5-153.9; 0.4m metasediment xenolith, folia- | **753180** | STANDARD HIGH | | | 1.29 |
| | | | | tion at 35 to CA; | | | | | |
| | | | | Upper contact at 60 to CA; lower contact at | | | | | |
| | | | | 55 to CA. | | | | | |
| | | | | | | | | | |
| **156.65** | **171.00** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, moderately to well foliated | | | | | |
| | | | | Fsp-Qtz-Bio metasediment; foliation at 40 | | | | | |
| | | | | to 60 to CA; | | | | | |
| | | | | 167.9-168.15; 0.25m pegmatite dyke | | | | | |
| | | | | fsp-Qtz+/-SP medium grained; upper conta- | | | | | |
| | | | | ct 90 to CA; lower contact 65 to CA. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | **171.00m E.O.H.** | | | | | |

| **ASSAY** | **(averages)** from | **SUMMARY** to |
|---|---|---|
| 1.40%/10.20m | 27.70 | 37.90 |
| 1.06%/3.57m | 57.53 | 61.10 |
| 1.67%/3.84m | 94.46 | 98.30 |
| 1.55%/3.00m | 114.25 | 117.25 |
| 2.15%/1.55m | 154.10 | 155.65 |

LITHIUM ONE INC..
Property : James Bay Lithium

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DDH # : | **JBL09-10** | | | Start : | 23-jun-09 | Drilled by : | Chibougamau |
| Azimuth : | 110° | LOCATION | UTM | End : | 24-jun-09 | | Diamond Drilling |
| Dip: | -80° | 358779 | mE | | | Logged by : | A.Peshkepia |
| Elevation: | 234m | 5789277 | mN | | | **Verified by:** | **AJMc** on June 27, 2009 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **0.00** | **1.30** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **1.30** | **9.40** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Bluish-grey, massive, fine grained Fsp-Qtz-Bio | | | | | |
| | | | | metasediment, weak foliation at 45 to CA; | | | | | |
| | | | | 6.1-6.4; 0.30m pegmatite dyke at 45 to CA; | | | | | |
| | | | | Fsp-Qtz-Mv, medium grained, no visible spodu- | | | | | |
| | | | | mene | | | | | |
| | | | | 7.8-8.15; 0.35m pegmatite dyke at 35 to CA; | | | | | |
| | | | | medium to coarse grained Fsp-Qtz-Mv no visible | | | | | |
| | | | | spodumene. | | | | | |
| | | | | | | | | | |
| **9.40** | **10.05** | 0.65 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Medium to coarse grained, milky white Fsp-Qtz- | **753226** | 9.40 | 10.05 | 0.65 | 1.75 |
| | | | | SP+/-PH pegmatite dyke, 1-3% spodumene as | | | | | |
| | | | | <1cm grains; both contacts at 40 to CA; | | | | | |
| | | | | specks of Apatite | | | | | |
| | | | | | | | | | |
| **10.05** | **13.55** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 1.3 to 9.4m. | | | | | |
| | | | | | | | | | |
| **13.55** | **16.60** | 3.05 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Medium to coarse grained, light grey, altered | **753227** | 13.55 | 15.05 | 1.50 | 0.07 |
| | | | | feldspar; Fsp-Qtz-SP-Mv pegmatite; 0.5-2cm | **753228** | 15.05 | 16.60 | 1.55 | 1.20 |
| | | | | subhedral white, altered? Spodumene ~10% SP | | | | | |
| | | | | Larger spodumene grains from 15.5 to 16.5m | | | | | |
| | | | | 3cm fine grained mica rich zone at lower contact | | | | | |
| | | | | upper contact at 25 to CA; lower contact at 10 | | | | | |
| | | | | to CA. | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **16.60** | **19.35** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained, massive Fsp-Qtz-Bio | | | | | |
| | | | | metasediment, weak foliation at 50 to CA. | | | | | |
| | | | | | | | | | |
| **19.35** | **33.85** | 14.50 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, milky white, fresh pegmatite | **753229** | 19.35 | 20.35 | 1.00 | 0.81 |
| | | | | Fsp-SP-Qtz+/-PH. Pale green, unaltered spodu- | **753230** | DUPLICATE | | | 0.85 |
| | | | | mene, about 25% overall, as 1-5cm crystals; | **753231** | 20.35 | 21.85 | 1.50 | 1.39 |
| | | | | 32.6m 10cm interval with 1-5mm Apatite grains | **753232** | 21.85 | 23.35 | 1.50 | 0.99 |
| | | | | 10-15cm fine grained Fsp-Mv zone at both | **753233** | 23.35 | 24.85 | 1.50 | 1.61 |
| | | | | contacts. | **753234** | 24.85 | 26.35 | 1.50 | 2.28 |
| | | | | Upper contact sharp at 40 to CA; Lower con- | **753235** | 26.35 | 27.85 | 1.50 | 2.17 |
| | | | | tact sharp at 90 to CA. | **753236** | 27.85 | 29.35 | 1.50 | 2.28 |
| | | | | | **753237** | 29.35 | 30.85 | 1.50 | 1.08 |
| | | | | | **753238** | 30.85 | 31.85 | 1.00 | 1.45 |
| | | | | | **753239** | 31.85 | 32.85 | 1.00 | 1.75 |
| | | | | | **753240** | STANDARD HIGH | | | 1.29 |
| | | | | | **753241** | 32.85 | 33.85 | 1.00 | 0.77 |
| | | | | | | | | | |
| **33.85** | **38.17** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, massive, grey Fsp-Qtz-Bio metase- | | | | | |
| | | | | diment; weak foliation oriented at 40 to CA. | | | | | |
| | | | | | | | | | |
| **38.17** | **39.02** | 0.85 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Medium to coarse grained Fsp-Qtz-SP-PH-Mv | **753242** | 38.17 | 39.02 | 0.85 | 0.03 |
| | | | | pegmatite; ~5% spodumene; both contacts at | | | | | |
| | | | | 40 to CA. | | | | | |
| | | | | | | | | | |
| **39.02** | **43.40** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 33.85-38.17m. | | | | | |
| | | | | | | | | | |
| **43.40** | **49.35** | | | **MAFIC METAVOLCANIC** | | | | | |
| | | | | Fine grained, green, massive mafic metavolcanic | | | | | |
| | | | | with ~10-15% biotite porphyroblasts 1-5mm | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | in size; upper contactsharp at 30 to CA; lower | | | | | |
| | | | | contact sharp at 40 to CA. | | | | | |
| | | | | | | | | | |
| **49.35** | **59.90** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, massive, bluish-grey, Fsp-Qtz-Bio | | | | | |
| | | | | metasediment. | | | | | |
| | | | | | | | | | |
| **59.90** | **66.53** | 6.63 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Milky white, coarse grained Fsp-SP-Qtz-PH peg- | **753243** | 59.90 | 60.90 | 1.00 | 0.77 |
| | | | | matite with ~15% spodumene; overall weak | **753244** | 60.90 | 62.50 | 1.60 | 1.66 |
| | | | | alteration; | **753245** | 62.50 | 64.00 | 1.50 | 1.44 |
| | | | | 59.9-60.3; two 10cm metasediment xenoliths | **753246** | 64.00 | 65.53 | 1.53 | 1.62 |
| | | | | at 70 to CA. | **753247** | 65.53 | 66.53 | 1.00 | 1.06 |
| | | | | Upper contact of pegmatite at 50 to CA; lower | | | | | |
| | | | | contact at 40 to CA. | | | | | |
| | | | | | | | | | |
| **66.53** | **71.18** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 49.35 to 59.9m. | | | | | |
| | | | | | | | | | |
| **71.18** | **71.91** | 0.73 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Medium to coarse grained Fsp-Qtz+/-SP pegma- | **753248** | 71.18 | 71.91 | 0.73 | 0.52 |
| | | | | tite, weakly altered; Upper contact at 40 to CA; | | | | | |
| | | | | Lower contact at 50 to CA. | | | | | |
| | | | | | | | | | |
| **71.91** | **73.10** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 49.35 to 59.9m. | | | | | |
| | | | | | | | | | |
| **73.10** | **79.77** | 6.67 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Variably altered, coarse grained Fsp-Qtz-SP-Mv | **753249** | 73.10 | 74.10 | 1.00 | 1.86 |
| | | | | pegmatite; patchy grey altered feldspar; odd | **753250** | BLANK | | | <100 ppm |
| | | | | Apatite grains; 10-15% spodumene 1-3cm in | **753251** | 74.10 | 75.60 | 1.50 | 1.42 |
| | | | | size. Upper contact at 20 to CA; lower contact | **753252** | 75.60 | 77.20 | 1.60 | 1.99 |
| | | | | at 20 to CA. | **753253** | 77.20 | 78.77 | 1.57 | 1.44 |
| | | | | | **753254** | 78.77 | 79.77 | 1.00 | 1.16 |
| | | | | | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **79.77** | **83.78** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Grey, massive, fine grained, weakly foliated | | | | | |
| | | | | at 50 to CA Fsp-Qtz-Bio metasediment. | | | | | |
| | | | | | | | | | |
| **83.78** | **86.57** | 2.79 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, locally altered Fsp-Qtz-Sp-Mv | **753255** | 83.78 | 85.20 | 1.42 | 1.32 |
| | | | | pegmatite; upper half smoky grtey altered feld- | **753256** | 85.20 | 86.57 | 1.37 | 1.40 |
| | | | | spar; ~15% spodumene as 1-4cm long crystals | | | | | |
| | | | | at high angle to CA. Upper contact sharp at 30 | | | | | |
| | | | | to CA; lower contact at 60 to CA. | | | | | |
| | | | | | | | | | |
| **86.57** | **89.42** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, massive, bluish-grey, Fsp-Qtz-Bio | | | | | |
| | | | | metasediment. | | | | | |
| | | | | 87.93-88.1 Fsp-Qtz+/-Mv pegmatite dyke at 50 | | | | | |
| | | | | to CA, no visible spodumene. | | | | | |
| | | | | | | | | | |
| **89.42** | **93.63** | 4.21 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, relatively fresh Fsp-SP-Qtz-PH | **753257** | 89.42 | 90.42 | 1.00 | 1.76 |
| | | | | pegmatite; 10-15% spodumene 1-5cm long crys- | **753258** | 90.42 | 91.52 | 1.10 | 1.37 |
| | | | | tals. Upper contact sharp at 30 to CA; lower | **753259** | 91.52 | 92.63 | 1.11 | 1.13 |
| | | | | contact irregular 60(?) to CA. | **753260** | STANDARD HIGH | | | 1.41 |
| | | | | | **753261** | 92.63 | 93.63 | 1.00 | 0.32 |
| | | | | | | | | | |
| **93.63** | **122.66** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, massive, grey, locally foliated | | | | | |
| | | | | metasediment; foliation varies from 20 at 96m | | | | | |
| | | | | to 45 at 106m and 50 at 116m. Fsp-Qtz-Bio | | | | | |
| | | | | 110.7-111.0; 0.3m Fsp-Qtz-Mv+/-SP pegmatite | | | | | |
| | | | | dyke at 60 to CA. | | | | | |
| | | | | | | | | | |
| **122.66** | **126.18** | 3.52 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Milky white, coarse grained, unaltered pegmatite | **753262** | 122.66 | 123.66 | 1.00 | 0.28 |
| | | | | Fsp-Sp-Qtz-PH; ~10-15% spodumene as coarse | **753263** | 123.66 | 125.18 | 1.52 | 1.02 |
| | | | | up to 15cm long crystals; 3-5% phlogopite | **753264** | 125.18 | 126.18 | 1.00 | 0.06 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | odd 1-3mm Apatite grains | | | | | |
| | | | | 124.0m 2cm Aspy bleb; | | | | | |
| | | | | Upper contact sharp at 55 to CA; lower contact | | | | | |
| | | | | at 50 to CA. | | | | | |
| | | | | | | | | | |
| **126.18** | **147.64** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, massive, locally weakly | | | | | |
| | | | | foliated metasediment; foliation at 70 to CA; | | | | | |
| | | | | cut by several thin 2-5cm pegmatite dykes | | | | | |
| | | | | at 130.0m, 139.0 and 145.3-146.0m. | | | | | |
| | | | | 129.26-129.56; 0.30m Fsp-Qtz pegmatite dyke | | | | | |
| | | | | Upper contact 25 to CA; lower contact 50 to CA | | | | | |
| | | | | No visible spodumene. | | | | | |
| | | | | | | | | | |
| **147.64** | **148.35** | 0.71 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Mostly coarse feldspar, altered in patches of | **753265** | 147.64 | 148.35 | 0.71 | 0.05 |
| | | | | smoky grey colour, minor 3-5% quartz, no visible | | | | | |
| | | | | spodumene. Both contacts at 25 to CA. | | | | | |
| | | | | | | | | | |
| **148.35** | **152.87** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 126.18 to 147.64m. | | | | | |
| | | | | | | | | | |
| **152.87** | **156.28** | 3.41 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained Fsp-SP-Qtz pegmatite with | **753266** | 152.87 | 153.87 | 1.00 | 0.51 |
| | | | | 5-10% spodumene, weakly altered; | **753267** | 153.87 | 155.28 | 1.41 | 0.66 |
| | | | | 153.37-153.57; 20cm metasediment xenolith | **753268** | 155.28 | 156.28 | 1.00 | 1.76 |
| | | | | at 30 to CA; | | | | | |
| | | | | 154.74-155.18; 0.44m metasediment xenolith, | | | | | |
| | | | | upper contact at 70 to CA; lower contact at 30 | | | | | |
| | | | | to CA. | | | | | |
| | | | | Upper contact of pegmatite at 60 to CA; lower | | | | | |
| | | | | contact at 30 to CA. | | | | | |
| | | | | | | | | | |
| **156.28** | **156.95** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, massive Fsp-Qtz-Bio | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | metasediment. | | | | | |
| | | | | | | | | | |
| **156.95** | **160.44** | 3.49 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse Fsp-SP-Qtz+/-PH pegmatite; patchy | **753269** | 156.95 | 157.95 | 1.00 | 1.77 |
| | | | | alteration of feldspar to grey calcic variety; | **753270** | DUPLICATE | | | 1.78 |
| | | | | 5-10% spodumene as 1-3cm long grains. | **753271** | 157.95 | 159.44 | 1.49 | 1.65 |
| | | | | Upper contact at 45 to CA; Lower contact at | **753272** | 159.44 | 160.44 | 1.00 | 0.41 |
| | | | | 40 to CA. | | | | | |
| | | | | | | | | | |
| **160.44** | **164.60** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, massive Fsp-Qtz-Bio | | | | | |
| | | | | metasediment, weakly foliated at 50 to CA. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | **164.60m E.O.H.** | | | | | |

| **ASSAY** | **(averages)** from | **SUMMARY** to |
|---|---|---|
| 1.55%/14.50m | 19.35 | 33.85 |
| 1.48%/5.63m | 60.90 | 66.53 |
| 1.59%/6.67m | 73.10 | 79.77 |
| 1.36%/2.79m | 83.78 | 86.57 |
| 1.41%/3.21m | 89.42 | 92.63 |
| 1.70%/2.49m | 156.95 | 159.44 |

LITHIUM ONE INC..
Property : James Bay Lithium

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DDH # : | **JBL09-11** | | Start : | 25-jun-09 | Drilled by : | | Chibougamau |
| Azimuth : | 110° | LOCATION UTM | End : | 26-jun-09 | | | Diamond Drilling |
| Dip: | -80° | 358764 mE | | | Logged by : | | A.Peshkepia |
| Elevation: | 238m | 5789225 mN | | | **Verified by:** | **AJMc** | on June 30th,2009 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **3.60** | | | **OVERBURDEN** | | | | | |
| | | | | 0.0-2.5; Casing | | | | | |
| | | | | 2.5-3.6; Boulders of granite, metavolcanics | | | | | |
| | | | | and metasediments, grounded core. | | | | | |
| | | | | | | | | | |
| **3.60** | **13.92** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey to bluish-grey, massive Fsp- | **753322** | 8.75 | 9.20 | 0.45 | 0.04 |
| | | | | Qtz-Bio metasdiment; weak foliation at 35 to CA | | | | | |
| | | | | 8.75-9.2; 0.45m Fsp-Qtz-PH pegmatite dyke, | | | | | |
| | | | | trace spodumene 0-1%SP, medium grained, dark | | | | | |
| | | | | grey patches of altered feldspar. | | | | | |
| | | | | Upper contact at 55 to CA; lower contact at 45 | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |
| **13.92** | **15.35** | 1.43 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, fresh Fsp-SP-Qtz-PH pegmatite | **753323** | 13.92 | 15.35 | 1.43 | 0.95 |
| | | | | with 10-15% spodumene concentrated in the lo- | | | | | |
| | | | | wer half of the dyke; minor Apatite. Upper con- | | | | | |
| | | | | tact at 50 to CA; lower contact at 55 to CA. | | | | | |
| | | | | | | | | | |
| **15.35** | **17.65** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 3.6 to 13.92m. | | | | | |
| | | | | | | | | | |
| **17.65** | **19.83** | 2.18 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, fresh Fsp-Qtz-SP-PH pegmatite | **753324** | 17.65 | 18.75 | 1.10 | 0.36 |
| | | | | 5-10% spodumene as 1-5cm long crystals; 1cm | **753325** | 18.75 | 19.83 | 1.08 | 1.42 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | garnet near the upper contact. Upper contact | | | | | |
| | | | | at 60 to CA; Lower contact at 50 to CA. | | | | | |
| | | | | | | | | | |
| **19.83** | **22.20** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 3.6 to 13.92m. | | | | | |
| | | | | 20.74-20.94; 20cm pegmatite dyke at 40 to CA, | | | | | |
| | | | | Fsp-Qtz-SP weakly altered. | | | | | |
| | | | | | | | | | |
| **22.20** | **30.92** | 8.72 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, fresh Fsp-SP-Qtz-PH pegmatite | **753326** | 22.20 | 23.20 | 1.00 | 0.87 |
| | | | | 15-20% spodumene locally as up to 10cm long | **753327** | 23.20 | 24.70 | 1.50 | 2.08 |
| | | | | crystals, odd small tourmaline grain. Upper | **753328** | 24.70 | 26.20 | 1.50 | 1.60 |
| | | | | contact at 55 to CA; lower contact at 55 to CA | **753329** | 26.20 | 27.70 | 1.50 | 1.28 |
| | | | | | **753330** | BLANK | | | <100 ppm |
| | | | | | **753331** | 27.70 | 28.92 | 1.22 | 2.17 |
| | | | | | **753332** | 28.92 | 29.92 | 1.00 | 2.20 |
| | | | | | **753333** | 29.92 | 30.92 | 1.00 | 1.63 |
| | | | | | | | | | |
| **30.92** | **32.85** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, massive Fsp-Qtz-Bio metase- | | | | | |
| | | | | diment. | | | | | |
| | | | | | | | | | |
| **32.85** | **34.47** | 1.62 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, altered Fsp-Qtz-SP-PH pegma- | **753334** | 32.85 | 34.47 | 1.62 | 1.27 |
| | | | | tite with ~5% spodumene, fsp altered to grey | | | | | |
| | | | | patches; | | | | | |
| | | | | 33.6-34.2 fine grained muskovite; | | | | | |
| | | | | Upper contact at 60 to CA; lower contact at 40 | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |
| **34.47** | **44.65** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, massive Fsp-Qtz-Bio meta- | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | sediment, moderate foliation at 25 to CA, cut by | | | | | |
| | | | | three <10cm pegmatite dykes at 15-20 to CA. | | | | | |
| | | | | | | | | | |
| **44.65** | **45.76** | 1.11 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Medium to coarse grained, patchy grey altered | **753335** | 44.65 | 45.76 | 1.11 | 0.61 |
| | | | | feldspar, Fsp-Qtz-SP pegmatite with 1-3% spo- | | | | | |
| | | | | dumene; fine grained muskovite. Upper contact | | | | | |
| | | | | 25 to CA; lower contact 30 to CA. | | | | | |
| | | | | | | | | | |
| **45.76** | **50.20** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 34.47 to 44.65m. | | | | | |
| | | | | | | | | | |
| **50.20** | **72.70** | 22.50 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse graiend Fsp-SP-Qtz-PH pegmatite, | **753336** | 50.20 | 51.20 | 1.00 | 2.10 |
| | | | | locally altered fsp to grey patches in sections | **753337** | 51.20 | 52.70 | 1.50 | 1.86 |
| | | | | <50cm long; 15-20% spodumene of variable size | **753338** | 52.70 | 54.20 | 1.50 | 1.48 |
| | | | | crystals; Upper contact at 45 to CA; lower con- | **753339** | 54.20 | 55.70 | 1.50 | 2.01 |
| | | | | tact at 45 to CA. | **753340** | STANDARD HIGH | | | 1.36 |
| | | | | This unit contains two metasediment inclusions | **753341** | 55.70 | 56.77 | 1.07 | 2.11 |
| | | | | at: | **753342** | 56.77 | 57.77 | 1.00 | 0.71 |
| | | | | 57.77-58.70; 0.93m metasediment intersection | **753343** | 58.70 | 59.70 | 1.00 | 0.85 |
| | | | | Fine grained, grey, massive Fsp-Qtz-Bio, upper | **753344** | 59.70 | 61.20 | 1.50 | 1.42 |
| | | | | contact at 30 to CA; lower contact at 40 to CA | **753345** | 61.20 | 62.70 | 1.50 | 1.53 |
| | | | | 67.6-68.3; 0.70m metasediment inclusion orien- | **753346** | 62.70 | 64.20 | 1.50 | 2.08 |
| | | | | ted at 40 to CA; | **753347** | 64.20 | 65.70 | 1.50 | 1.97 |
| | | | | 65.0-67.5; spodumen is altered to a yellowish- | **753348** | 65.70 | 66.60 | 0.90 | 1.60 |
| | | | | white mineral | **753349** | 66.60 | 67.60 | 1.00 | 1.16 |
| | | | | | **753350** | DUPLICATE | | | 1.21 |
| | | | | | **753351** | 68.30 | 69.30 | 1.00 | 1.51 |
| | | | | | **753352** | 69.30 | 70.80 | 1.50 | 1.45 |
| | | | | | **753353** | 70.80 | 71.70 | 0.90 | 1.87 |
| | | | | | **753354** | 71.70 | 72.70 | 1.00 | 1.49 |
| | | | | | | | | | |
| | | | | | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **72.70** | **77.87** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Grey, massive, fine grained, weakly foliated | | | | | |
| | | | | Fsp-Qtz-Bio metasediment; foliation at 45 to CA. | | | | | |
| | | | | | | | | | |
| **77.87** | **80.60** | 2.73 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Medium to coarse grained, unaltered pegmatite | **753355** | 77.87 | 79.10 | 1.23 | 1.49 |
| | | | | Fsp-SP-Qtz+/-PH; `10% spodumene as 1-4cm | **753356** | 79.10 | 80.60 | 1.50 | 1.91 |
| | | | | long crystals. Upper contact at 40 to CA; lower | | | | | |
| | | | | contact at 60 to CA. | | | | | |
| | | | | | | | | | |
| **80.60** | **81.90** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Same as 72.7 to 77.87m. | | | | | |
| | | | | | | | | | |
| **81.90** | **83.94** | 2.04 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Medium to coarse grained, patchy grey alterati- | **753357** | 81.90 | 82.90 | 1.00 | 0.91 |
| | | | | on of feldspar;spodumene altered to yellowish | **753358** | 82.90 | 83.94 | 1.04 | 1.19 |
| | | | | mineral; Fsp-SP-Qtz+/-PH pegmatite dyke with | | | | | |
| | | | | ~10% spodumene; both contacts at 40 to CA. | | | | | |
| | | | | | | | | | |
| **83.94** | **97.03** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 72.7 to 77.87m. | | | | | |
| | | | | | | | | | |
| **97.03** | **100.44** | 3.41 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, fresh Fsp-SP-Qtz-PH pegmatite | **753359** | 97.03 | 98.03 | 1.00 | 1.10 |
| | | | | with 15-20% spodumene, up to 6cm long crysta | **753360** | STANDARD HIGH | | | 1.36 |
| | | | | ls; fine grained, yellowish-white muskovite for | **753361** | 98.03 | 99.44 | 1.41 | 1.89 |
| | | | | ~5cm at both contacts. Upper contact at 60 to | **753362** | 99.44 | 100.44 | 1.00 | 0.51 |
| | | | | CA; lower contact at 50 to CA. | | | | | |
| | | | | | | | | | |
| **100.44** | **115.70** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, weakly foliated,locally mode- | | | | | |
| | | | | rate at 50 to CA; Fsp-Qtz-Bio metasediment. | | | | | |
| | | | | | | | | | |
| **115.70** | **116.56** | 0.86 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Fine to medium grained Fsp-Qtz+/-SP-Mv peg- | **753363** | 115.70 | 116.56 | 0.86 | 0.02 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | matite; fsp altered to smoky gray, few small | | | | | |
| | | | | garnets at upper contact. Fine grained yellowish | | | | | |
| | | | | mineral has partially replaced fine grained spodu- | | | | | |
| | | | | mene, ~5% Spodumene. Upper contact 30 to CA | | | | | |
| | | | | Lower contact at 50 to CA. | | | | | |
| | | | | | | | | | |
| **116.56** | **119.68** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 100.44 to 115.7m. | | | | | |
| | | | | | | | | | |
| **119.68** | **120.24** | | | **MAFIC METAVOLCANIC** | | | | | |
| | | | | Light green, fine to medium grained mafic meta- | | | | | |
| | | | | volcanic, ~30% biotite as 1-6mm porphyroblasts | | | | | |
| | | | | Upper contact 70 to CA; lower contact at 80 to | | | | | |
| | | | | CA. | | | | | |
| | | | | | | | | | |
| **120.24** | **126.53** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 100.44 to 115.7m. | | | | | |
| | | | | 124.62-125.04; 0.42m pegmatite dyke at 40 to | **753364** | 124.62 | 125.04 | 0.42 | 0.04 |
| | | | | CA, fine to medium grained Fsp-Qtz+/-Mv+/- | | | | | |
| | | | | garnet. Few small garnet porphyroblasts, fine | | | | | |
| | | | | grained muskovite, fsp altered to grey. | | | | | |
| | | | | | | | | | |
| **126.53** | **127.30** | 0.77 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Altered, medium grained pegmatite Fsp-Qtz-Mv- | **753365** | 126.53 | 127.30 | 0.77 | 0.17 |
| | | | | PH+/-SP, grey alteration of feldspar, fine grained | | | | | |
| | | | | muskovite near both contacts, fine grained spo- | | | | | |
| | | | | dumene(?) Upper contact at 45 to CA; lower | | | | | |
| | | | | contact at 65 to CA. | | | | | |
| | | | | | | | | | |
| **127.30** | **127.80** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 100.44 to 115.7m. | | | | | |
| | | | | | | | | | |
| **127.80** | **132.62** | 4.82 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Fresh, coarse grained pegmatite Fsp-SP-Qtz- | **753366** | 127.80 | 128.80 | 1.00 | 2.09 |
| | | | | PH+/-Tm; 15-20% spodumene as stubby, | **753367** | 128.80 | 130.20 | 1.40 | 2.80 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | <5cm crystals at high angle to CA, few apatite | **753368** | 130.20 | 131.62 | 1.42 | 1.85 |
| | | | | grains <5mm in size, scattered. Upper contact | **753369** | 131.62 | 132.62 | 1.00 | 2.15 |
| | | | | irregular; lower contact at 60 to CA. | **753370** | BLANK | | | <100 ppm |
| | | | | | | | | | |
| | | | | | | | | | |
| **132.62** | **132.97** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 100.44 to 115.7m. | | | | | |
| | | | | | | | | | |
| **132.97** | **133.36** | 0.39 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Fine grained, altered Fsp+/-Qtz-Mv pegmatite | **753371** | 132.97 | 133.36 | 0.39 | 0.11 |
| | | | | Upper contact at 40 to CA; lower contact at | | | | | |
| | | | | 65 to CA, no visible spodumene. | | | | | |
| | | | | | | | | | |
| **133.36** | **139.80** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, moderate foliation at 40 to | | | | | |
| | | | | CA; Fsp-Qtz-Bio metasediment; | | | | | |
| | | | | 135.5-135.75; 0.25m mafic metavolcanic, medi- | | | | | |
| | | | | um grained, ~25% biotite as 1-5mm porphyrob- | | | | | |
| | | | | lasts, weak foliation at 60 to CA; both contacts | | | | | |
| | | | | at 60 to CA. | | | | | |
| | | | | | | | | | |
| **139.80** | **146.00** | 6.20 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, weak, pervasive alteration of | **753372** | 139.80 | 140.80 | 1.00 | 1.80 |
| | | | | feldspar, Fsp-SP-Qtz-PH-Mv pegmatite, fine gra- | **753373** | 140.80 | 142.30 | 1.50 | 1.63 |
| | | | | ined muskovite from 141.0 to 141.8m; ~5-10% | **753374** | 142.30 | 143.80 | 1.50 | 0.85 |
| | | | | spodumene of variable size crystals. | **753375** | 143.80 | 145.00 | 1.20 | 1.05 |
| | | | | 143.44-143.9; metasediment inclusion at 45 to | **753376** | 145.00 | 146.00 | 1.00 | 0.93 |
| | | | | CA. | | | | | |
| | | | | Both contacts of pegmatite at 45 to CA. | | | | | |
| | | | | | | | | | |
| **146.00** | **150.10** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, massive Fsp-Qtz-Bio metase- | | | | | |
| | | | | diment, weak foliation at 50 to CA. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | **150.10m E.O.H.** | | | | | |

| **ASSAY** | **(averages)** from | **SUMMARY** to |
|---|---|---|
| 1.70%/8.72m | 22.20 | 30.92 |
| 1.51%/22.50m | 50.20 | 72.70 |
| 1.72%/2.73m | 77.87 | 80.60 |
| 1.06%/2.04m | 81.90 | 83.94 |
| 1.56%/2.41m | 97.03 | 99.44 |
| 2.24%/4.82m | 127.80 | 132.62 |
| 1.24%/6.20m | 139.80 | 146.00 |

LITHIUM ONE INC..
Property : James Bay Lithium

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DDH # : | **JBL09-12** | | Start : | 28-jun-09 | Drilled by : | | Chibougamau |
| Azimuth : | 110° | LOCATION UTM | End : | 29_jun-09 | | | Diamond Drilling |
| Dip: | -80° | 358731 mE | | | Logged by : | | A.Peshkepia |
| Elevation: | 234m | 5789184 mN | | | **Verified by:** | **AJMc** | on July 2nd, 2009 |

LITHOLOGY

| From | To | Length | Rock | Description | Sample # | From | To | Length | $Li_2O$ |
|---|---|---|---|---|---|---|---|---|---|
| | | (m) | Code | | | | | (m) | (%) |
| | | | | | | | | | |
| **0.00** | **2.40** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **2.40** | **4.00** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Dark grey to brownish-grey, strong foliation | | | | | |
| | | | | at 40 to CA; Fsp-Bio-Qtz; biotite rich meta- | | | | | |
| | | | | sediment | | | | | |
| | | | | | | | | | |
| **4.00** | **18.20** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, massive Fsp-Qtz-Bio | | | | | |
| | | | | metasediment cut by several pegmatite | | | | | |
| | | | | dykes 5-40cm thick, altered Fsp-Qtz-Mv, | | | | | |
| | | | | fine grained at 50 to 60 to CA. | | | | | |
| | | | | 10.72-10.84; 0.12m pegmatite dyke at 60 to CA. | | | | | |
| | | | | 11.5-11.86; 0.36m pegmatite dyke at 60 to CA | | | | | |
| | | | | 12.26-12.7; 0.44m pegmatite dyke at 50 to CA | | | | | |
| | | | | | | | | | |
| **18.20** | **20.20** | | | **QFP** | | | | | |
| | | | | Dark grey, massive, fine grained QFP, subhedral | | | | | |
| | | | | feldspars at 3-10mm in size in a greenish-grey | | | | | |
| | | | | fine grained matrix, minor fine grained biotite. | | | | | |
| | | | | Upper contact at 35 to CA, broken core; | | | | | |
| | | | | lower contact at 40 to CA. | | | | | |
| | | | | | | | | | |
| **20.20** | **25.07** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, massive Fsp-Qtz-Bio, specks | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | of Aspy at 20.7m, weak foliation subparallel to | | | | | |
| | | | | CA. | | | | | |
| | | | | | | | | | |
| **25.07** | **31.84** | 6.77 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, weakly altered Fsp-SP-Qtz-PH | **753423** | 25.07 | 26.07 | 1.00 | 1.26 |
| | | | | pegmatite, feldspar altered to smoky grey, | **753424** | 26.07 | 27.57 | 1.50 | 1.50 |
| | | | | 15-20% spodumene coarse, stubby crystals | **753425** | 27.57 | 29.17 | 1.60 | 2.11 |
| | | | | Upper contact at 40 to CA; lower contact at | **753426** | 29.17 | 30.84 | 1.67 | 1.31 |
| | | | | 55 to CA. | **753427** | 30.84 | 31.84 | 1.00 | 0.76 |
| | | | | | | | | | |
| **31.84** | **33.00** | | | **QFP** | | | | | |
| | | | | Fine grained, grey, massive QFP, weak foliation | | | | | |
| | | | | at 40 to CA, ~15% interstitial fine grained biotite | | | | | |
| | | | | Feldspar phenocrysts <3mm in size | | | | | |
| | | | | Lower contact at 25 to CA. | | | | | |
| | | | | | | | | | |
| **33.00** | **37.86** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, massive Fsp-Qtz-Bio | | | | | |
| | | | | metasediment, weak foliation at 50 to CA, | | | | | |
| | | | | <1cm thick Amphybole? Veinlets along foliation | | | | | |
| | | | | planes. Lower contact sharp at 70 to CA. | | | | | |
| | | | | | | | | | |
| **37.86** | **44.95** | 7.09 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Fresh, coarse grained Fsp-SP-Qtz-PH pegmatite | **753428** | 37.86 | 38.86 | 1.00 | 1.07 |
| | | | | with 15-20% spodumene, pale green of variable | **753429** | 38.86 | 40.36 | 1.50 | 0.95 |
| | | | | size crystals. Lower contact sharp at 55 to CA. | **753430** | DUPLICATE | | | 1.03 |
| | | | | | **753431** | 40.36 | 41.86 | 1.50 | 1.71 |
| | | | | | **753432** | 41.86 | 42.95 | 1.09 | 1.79 |
| | | | | | **753433** | 42.95 | 43.95 | 1.00 | 1.14 |
| | | | | | **753434** | 43.95 | 44.95 | 1.00 | 0.14 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **44.95** | **45.46** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, massive Fsp-Qtz-Bio | | | | | |
| | | | | metasediment; Lower contact at 55 to CA. | | | | | |
| | | | | | | | | | |
| **45.46** | **48.70** | | | **MAFIC METAVOLCANIC** | | | | | |
| | | | | Massive, green, fine grained mafic metavolcanic | | | | | |
| | | | | weakly foliated at 35 to CA; ~20% biotite as | | | | | |
| | | | | 1-3mm porphyroblasts. Lower contact 60 to CA. | | | | | |
| | | | | | | | | | |
| **48.70** | **58.76** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, massive Fsp-Qtz-Bio | | | | | |
| | | | | metasediment; weak foliation at 25 to 50 to CA. | | | | | |
| | | | | | | | | | |
| **58.76** | **79.70** | 20.94 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Milky white, coarse grained Fsp-SP-Qtz-PH | **753435** | 58.76 | 59.76 | 1.00 | 0.93 |
| | | | | pegmatite with ~20% spodumene as 1-5cm long | **753436** | 59.76 | 61.30 | 1.54 | 1.57 |
| | | | | crystals. | **753437** | 61.30 | 62.80 | 1.50 | 1.14 |
| | | | | 62.45-63.0; 0.55m massive quartz vein; | **753438** | 62.80 | 64.30 | 1.50 | 1.06 |
| | | | | Feldspar altered to smoky grey near both conta- | **753439** | 64.30 | 65.80 | 1.50 | 1.32 |
| | | | | cts for ~20cm. | **753440** | STANDARD LOW | | | 0.77 |
| | | | | 75.4-75.8; 0.4m metasediment inclusion at 55 | **753441** | 65.80 | 67.30 | 1.50 | 1.46 |
| | | | | to CA; | **753442** | 67.30 | 68.80 | 1.50 | 1.50 |
| | | | | 76.5-77.7 coarse phlogopite 3-4cm grains; | **753443** | 68.80 | 70.30 | 1.50 | 1.25 |
| | | | | scattered Apatite grains 2-5mm in size | **753444** | 70.30 | 71.80 | 1.50 | 1.13 |
| | | | | 70.5-70.9; 0.4m massive quartz vein. | **753445** | 71.80 | 73.30 | 1.50 | 0.79 |
| | | | | Upper contact of the pegmatite at 45 to CA; | **753446** | 73.30 | 74.80 | 1.50 | 1.67 |
| | | | | Lower contact at 20 to CA. | **753447** | 74.80 | 76.20 | 1.40 | 1.20 |
| | | | | | **753448** | 76.20 | 77.70 | 1.50 | 3.77 |
| | | | | | **753449** | 77.70 | 78.70 | 1.00 | 0.95 |
| | | | | | **753450** | BLANK | | | <100 ppm |
| | | | | | **753451** | 78.70 | 79.70 | 1.00 | 1.24 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **79.70** | **122.50** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Massive, fine grained, grey, Fsp-Qtz-Bio meta- | | | | | |
| | | | | sediment weakly foliated at 30 to CA. | | | | | |
| | | | | 84.13-84.27; 0.14m altered Fsp-Qtz pegmatite | | | | | |
| | | | | at 60 to CA. | | | | | |
| | | | | 85.76-86.15; 0.39m altered pegmatite dyke, | | | | | |
| | | | | fsp-Qtz-Mv fine grained mica, oriented at 40 to | | | | | |
| | | | | CA. | | | | | |
| | | | | | | | | | |
| **122.50** | **123.35** | 0.85 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Altered Fsp-Qtz-Mv+/-Sp pegmatite, dark grey | **753452** | 122.50 | 123.35 | 0.85 | 0.05 |
| | | | | altered feldspar in patches, fine grained musko- | | | | | |
| | | | | vite, no visible spodumene. Upper contact at 45 | | | | | |
| | | | | to CA; lower contact at 50 to CA. | | | | | |
| | | | | | | | | | |
| **123.35** | **124.00** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, massive Fsp-Qtz-Bio meta- | | | | | |
| | | | | sediment, weak foliation. | | | | | |
| | | | | | | | | | |
| **124.00** | **126.92** | 2.92 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Medium to coarse grained, altered Fsp-Qtz-PH | **753453** | 124.00 | 125.50 | 1.50 | 0.81 |
| | | | | pegmatite, fine grained muskovite, ~10% spodu- | **753454** | 125.50 | 126.92 | 1.42 | 1.65 |
| | | | | mene as small 1-2cm crystals | | | | | |
| | | | | 125.2m; 20cm metasediment xenolith; | | | | | |
| | | | | Upper contact at 20 to CA; lower contact at | | | | | |
| | | | | 45 to CA. | | | | | |
| | | | | | | | | | |
| **126.92** | **128.48** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Grey to bluish-grey, fine grained, massive | | | | | |
| | | | | Fsp-Qtz-Bio metasediment, weak foliation | | | | | |
| | | | | subparallel to CA; | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 10cm pegmatite at 127.4m oriented at 30 | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |
| **128.48** | **129.27** | 0.79 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Altered Fsp-Qtz-Mv pegmatite, fine grained mus | **753455** | 128.48 | 129.27 | 0.79 | 0.74 |
| | | | | kovite, odd bleb of Aspy, minor spodumene | | | | | |
| | | | | 1-3%.Both contacts at 50 to CA. | | | | | |
| | | | | | | | | | |
| **129.27** | **131.85** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 126.92 to 128.48m. | | | | | |
| | | | | | | | | | |
| **131.85** | **132.75** | 0.90 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, fresh Fsp-Qtz-SP-PH pegmatite | **753456** | 131.85 | 132.75 | 0.90 | 0.29 |
| | | | | with ~5-10% spodumene <5cm in size, minor | | | | | |
| | | | | quartz and phlogopite. Upper contact at 25 to | | | | | |
| | | | | CA; lower contact at 55 to CA. | | | | | |
| | | | | | | | | | |
| **132.75** | **137.60** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey to bluish-grey, massive Fsp- | | | | | |
| | | | | Qtz-Bio metasediment, weak foliation at 70 to CA | | | | | |
| | | | | cut by several thin 3-5cm pegmatite dykes at 40 | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |
| **137.60** | **138.98** | 1.38 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained Fsp-Qtz-SP+/-PH pegmatite, | **753457** | 137.60 | 138.98 | 1.38 | 0.74 |
| | | | | fine grained muskovite at upper contact; ~5% | | | | | |
| | | | | spodumene, feldspar altered to grey patches | | | | | |
| | | | | near upper contact. Upper contact at 40 to CA; | | | | | |
| | | | | Lower contact at 50 to CA. | | | | | |
| | | | | | | | | | |
| **138.98** | **145.23** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Same as 132.75 to 137.6m | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 140.7-140.95; 0.25m altered pegmatite dyke at | | | | | |
| | | | | 35 to CA; Fsp-Qtz-Mv, fine grained garnets. | | | | | |
| | | | | 141.9-142.6; 0.70m altered pegmatite Fsp-Mv- | **753458** | 141.90 | 142.60 | 0.70 | 1.04 |
| | | | | Qtz+/-SP, minor spodumene 1-3% as 1-2cm | | | | | |
| | | | | grains; upper contact at 45 to CA; lower | | | | | |
| | | | | contact at 60 to CA. | | | | | |
| | | | | | | | | | |
| **145.23** | **146.60** | 1.37 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Medium grained, altered Fsp-Qtz-SP+/-Mv peg- | **753459** | 145.23 | 146.60 | 1.37 | 1.45 |
| | | | | matite, spodumene altered to white colored mi- | **753460** | STANDARD HIGH | | | 1.27 |
| | | | | neral; 5-10% spodumene. Upper contact at 55 | | | | | |
| | | | | to CA; lower contact at 40 to CA. | | | | | |
| | | | | | | | | | |
| **146.60** | **148.37** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, massive Fsp-Qtz-Bio meta- | | | | | |
| | | | | sediment, weak foliation at 45 to CA. | | | | | |
| | | | | | | | | | |
| **148.37** | **153.75** | 5.38 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained Fsp-Qtz-SP-PH +/-Ap pegmatite | **753461** | 148.37 | 149.37 | 1.00 | 1.51 |
| | | | | 5-10% spodumene as 1-3cm long crystals; | **753462** | 149.37 | 150.57 | 1.20 | 0.95 |
| | | | | fine grained Fsp +muskovite ~20cm near the | **753463** | 150.57 | 151.75 | 1.18 | 1.47 |
| | | | | lower contact; the middle section of the dyke is | **753464** | 151.75 | 152.75 | 1.00 | 1.14 |
| | | | | corser from 149.8 to 152.0m | **753465** | 152.75 | 153.75 | 1.00 | 0.88 |
| | | | | Upper contact at 45 to AC; Lower contact at 40 | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |
| **153.75** | **164.83** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey to bluish-grey, massive Fsp- | | | | | |
| | | | | Qtz-Bio metasediment, weak foliation at 30 to | | | | | |
| | | | | 60 to CA. | | | | | |
| | | | | | | | | | |
| | | | | **164.83m E.O.H.** | | | | | |

LITHOLOGY

| From | To | Length | Rock | Description | Sample # | From | To | Length | $Li_2O$ |
|---|---|---|---|---|---|---|---|---|---|
| | | (m) | Code | | | | | (m) | (%) |

| ASSAY | (averages) from | SUMMARY to |
|---|---|---|
| 1.57%/5.77m | 25.07 | 30.84 |
| 1.34%/6.09m | 37.86 | 43.95 |
| 1.43%/20.94m | 58.76 | 79.70 |
| 1.22%/2.92m | 124.00 | 126.92 |
| 1.19%/5.38m | 148.37 | 153.75 |

LITHIUM ONE INC..
Property : James Bay Lithium

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DDH # : | **JBL09-13** | | | Start : | 29-jun-09 | Drilled by : | Chibougamau |
| Azimuth : | 110° | LOCATION | UTM | End : | 30-jun-09 | | Diamond Drilling |
| Dip: | -45° | 358642 | mE | | | Logged by : | A.Peshkepia |
| Elevation: | 222m | 5789118 | mN | | | **Verified by:** | **AJMc** on July 4th,2009 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) | Au ppb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |
| **0.00** | **4.00** | | | **OVERBURDEN** | | | | | | |
| | | | | | | | | | | |
| **4.00** | **9.10** | | **M2(?)** | **METASEDIMENT** | | | | | | |
| | | | | Brownish-grey, fine grained, strong foliation, | | | | | | |
| | | | | biotite-fsp-qtz metasediment, Pervasive light | | | | | | |
| | | | | grey~1cm in size subhedral porphyroblasts of | | | | | | |
| | | | | andalusite(?) foliation subparallel to CA at 10 | | | | | | |
| | | | | to CA. Lower contact at 25 to CA. | | | | | | |
| | | | | | | | | | | |
| **9.10** | **10.80** | | **M1** | **METASEDIMENT** | | | | | | |
| | | | | Fine grained, grey, massive, weak foliation at 25 | | | | | | |
| | | | | to CA, Fsp-Qtz-Bio metasediment. Lower contact | | | | | | |
| | | | | parallel to foliation at 25 to CA. | | | | | | |
| | | | | | | | | | | |
| **10.80** | **16.20** | | **M2** | **METASEDIMENT** | | | | | | |
| | | | | Same as 4.0 to 9.10m. Foliation at 20 to CA. | | | | | | |
| | | | | Lower contact at 30 to CA. | | | | | | |
| | | | | | | | | | | |
| **16.20** | **33.10** | 16.90 | **M1** | **METASEDIMENT** | | | | | | |
| | | | | Fine grained, grey, massive, moderate foliation | | | | | | |
| | | | | subparallel to CA, Fsp-Qtz-Bio metasediment. | | | | | | |
| | | | | Irregular Quartz vein 1-3cm thick subparallel to | | | | | | |
| | | | | CA from 25.5 to 27.4m. | | | | | | |
| | | | | 30.5-33.0 fine grained, silvery white mica, seri- | | | | | | |
| | | | | cite(?). Lower contact subparallel to CA. | | | | | | |
| | | | | | | | | | | |
| **33.10** | **46.66** | | | **TOURMALINE ALTERATION** | | | | | | |
| | | | | Dark brown to black, fine grained, massive | **568801** | 33.00 | 34.50 | 1.50 | - | 13 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) | Au ppb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | tourmaline; foliation variable from subpara- | | | | | | |
| | | | | llel to CA to 35 to CA, marked by fine 1-2mm | **568802** | 34.50 | 36.00 | 1.50 | - | 37 |
| | | | | fsp-qtz along bedding planes, carbonate | | | | | | |
| | | | | veinlets, shotgun scattered 2-3mm subhe- | **568803** | 36.00 | 37.50 | 1.50 | - | 27 |
| | | | | dral Aspy grains, overall ~3% Aspy. | | | | | | |
| | | | | 34.2-36.0; irregular quartz vein parallel to CA. | **568804** | 37.50 | 39.00 | 1.50 | - | 46 |
| | | | | 36.5-37.2; massive quartz vein, upper contact | | | | | | |
| | | | | 60 to CA, broken core at lower contact. | **568805** | 39.00 | 40.50 | 1.50 | - | 66 |
| | | | | 37.85-38.03; smoky grey, massive quartz vein | | | | | | |
| | | | | at 60 to CA. | **568806** | 40.50 | 42.00 | 1.50 | - | 10 |
| | | | | 39.32-39.86; massive quartz vein; upper contact | | | | | | |
| | | | | 40 to CA; irregular lower contact | **568807** | 42.00 | 43.50 | 1.50 | - | 30 |
| | | | | 41.0-41.5; scattered euhedral sericite(?) silvery | | | | | | |
| | | | | 1-3mm in size in a metasediment section along | **568808** | 43.50 | 44.77 | 1.27 | - | 59 |
| | | | | the contact with massive tourmaline; | | | | | | |
| | | | | 42.0-43.15 grey, massive, fine grained metase- | **568809** | 44.77 | 46.25 | 1.48 | - | 28 |
| | | | | diment, foliation parallel to CA. | | | | | | |
| | | | | 43.15-43.8; irregular quartz veins with blebs of | **568810** | 46.25 | 46.65 | 0.40 | - | 51 |
| | | | | Aspy along the edges at 43.3m. | | | | | | |
| | | | | 44.77-46.25; masive quartz vein with trace | | | | | | |
| | | | | Aspy along fractures; upper contact at 20 to CA; | | | | | | |
| | | | | lower contact at 50 to CA. | | | | | | |
| | | | | Lower contact of the tourmaline zone (vein?) | | | | | | |
| | | | | at 40 to CA. | | | | | | |
| | | | | | | | | | | |
| **46.66** | **74.03** | | **M2** | **METASEDIMENT** | | | | | | |
| | | | | Dark grey to brownish grey, strong foliation, | | | | | | |
| | | | | Bio-Fsp-Qtz, schist (?) | | | | | | |
| | | | | 46.66-71.0 more biotite than feldspar; | | | | | | |
| | | | | 71.0-84.53 mircrofolds, bedding marked by | | | | | | |
| | | | | alternating biotite and feldspar rich, thin <1cm | | | | | | |
| | | | | thick beds. Foliation at 25 to CA. | | | | | | |
| **74.03** | **75.00** | | | **FAULT ZONE** | | | | | | |
| | | | | Broken core, 2-3cm pieces, fault gouge ~5cm at | | | | | | |
| | | | | 74.5m oriented at 35 to CA. | | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) | Au ppb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |
| **75.00** | **83.65** | | **M2** | **METASEDIMENT** | | | | | | |
| | | | | Same as 46.66 to 74.03 | | | | | | |
| | | | | | | | | | | |
| **83.65** | **87.10** | | | **QUARTZ VEIN** | **568811** | 83.65 | 85.15 | 1.50 | - | 6 |
| | | | | White to smoky-white massive quartz vein; | | | | | | |
| | | | | upper contact irregular subparallel to CA; | **568812** | 85.15 | 86.35 | 1.20 | - | 14 |
| | | | | lower contact subparallel to CA. | | | | | | |
| | | | | | **568813** | 86.35 | 87.30 | 0.95 | - | 13 |
| **87.10** | **107.00** | | **M2** | **METASEDIMENT** | | | | | | |
| | | | | Medium grey, to brownish-grey, strong foliation | | | | | | |
| | | | | subparallel to CA, Bio-Fsp+/-Qtz metasediment | | | | | | |
| | | | | ~40% biotite; foliation 10 to 20 to CA; | | | | | | |
| | | | | 97.6-98.8 fine grained, white mica, sericite(?) | | | | | | |
| | | | | Lower contact at 15 to CA. | | | | | | |
| | | | | | | | | | | |
| **107.00** | **112.30** | 5.30 | **I1G** | **PEGMATITE** | | | | | | |
| | | | | Medium to Coarse grained, altered pegmatite | **753466** | 107.00 | 108.00 | 1.00 | 0.03 | |
| | | | | Fsp-SP-Qtz+/-PH; Fine grained muskovite for | **753467** | 108.00 | 109.65 | 1.65 | 0.03 | |
| | | | | ~30cm at upper contact, patchy grey alteration | **753468** | 109.65 | 111.30 | 1.65 | 3.27 | |
| | | | | of feldspar, fine grained, milky white fsp for ~20 | **753469** | 111.30 | 112.30 | 1.00 | 0.85 | |
| | | | | cm at lower contact. Lower contact at 50 to CA. | **753470** | DUPLICATE | | | 0.83 | |
| | | | | 109.9-110.5; coarse spodumene, overall 5-10% | | | | | | |
| | | | | spodumene, locally spodumene partially altered | | | | | | |
| | | | | to serpentine like mineral. | | | | | | |
| | | | | | | | | | | |
| **112.30** | **117.00** | | **M2** | **METASEDIMENT** | | | | | | |
| | | | | Dark grey, fine grained, well foliated at 65 to 70 | | | | | | |
| | | | | to CA, Fsp-Bio+/-Qtz metasediment ~25-30% | | | | | | |
| | | | | bio. Lower contact sharp at 80 to CA. | | | | | | |
| | | | | | | | | | | |
| **117.00** | **132.00** | 15.00 | **I1G** | **PEGMATITE** | | | | | | |
| | | | | Coarse, unaltered Fsp-SP-Qtz-PH pegmatite | **753471** | 117.00 | 118.00 | 1.00 | 0.37 | |
| | | | | Milky white, fine grained fsp plus fine grained | **753472** | 118.00 | 119.50 | 1.50 | 0.59 | |
| | | | | muskovite at upper contact for ~0.8m. | **753473** | 119.50 | 121.00 | 1.50 | 1.48 | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) | Au ppb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Coarse euhedral 2cm long Apatite crystal at | **753474** | 121.00 | 122.50 | 1.50 | 1.60 | |
| | | | | 118.7m. | **753475** | 122.50 | 124.00 | 1.50 | 1.97 | |
| | | | | 119.8-123.0 altered section of pegmatite, qtz | **753476** | 124.00 | 125.50 | 1.50 | 2.04 | |
| | | | | rich, altered spodumene to serpentine like mine- | **753477** | 125.50 | 127.00 | 1.50 | 2.78 | |
| | | | | ral, up to 3cm long crystals; ~30% qtz. | **753478** | 127.00 | 128.50 | 1.50 | 4.24 | |
| | | | | 124.0-130.0; semi-massive, coarse spodumene | **753479** | 128.50 | 130.00 | 1.50 | 2.58 | |
| | | | | ~30% SP, 3-5mm scattered Apatite grains. | **753480** | STANDARD HIGH | | | 1.28 | |
| | | | | Overall 20-25% spodumene. | **753481** | 130.00 | 131.00 | 1.00 | 0.29 | |
| | | | | 131.0-132.0 fine grained white fsp + muscovite. | **753482** | 131.00 | 132.00 | 1.00 | 0.30 | |
| | | | | Lower contact at 60 to CA. | | | | | | |
| | | | | | | | | | | |
| **132.00** | **137.60** | | **M2** | **METASEDIMENT** | | | | | | |
| | | | | Same as 112.3 to 117.0m. | | | | | | |
| | | | | | | | | | | |
| **137.60** | **140.85** | 3.25 | **I1G** | **PEGMATITE** | | | | | | |
| | | | | Altered Fsp-Qtz-SP-+/-PH pegmatite, fine grain- | **753483** | 137.60 | 138.60 | 1.00 | 1.55 | |
| | | | | ed feldspar plus muskovite for ~15cm at both | **753484** | 138.60 | 139.85 | 1.25 | 1.21 | |
| | | | | contacts; odd Apatite grain <1cm; ~5% SP, | **753485** | 139.85 | 140.85 | 1.00 | 1.21 | |
| | | | | altered to fine grained, yellowish mineral. Upper | | | | | | |
| | | | | contact at 65 to AC; lower contact at 50 to CA. | | | | | | |
| | | | | | | | | | | |
| **140.85** | **144.43** | | **M2** | **METASEDIMENT** | | | | | | |
| | | | | Brownish-grey, strong foliation, fine grained me- | | | | | | |
| | | | | tasediment; foliation at 30 to CA; ~35% biotite | | | | | | |
| | | | | Fsp-Bio-Qtz, stretched out white fsp rich beds, | | | | | | |
| | | | | 144.06-144.43 fine grained, fsp-Mv-Qtz pegma- | **753486** | 144.06 | 144.43 | 0.37 | 0.53 | |
| | | | | tite dyke, 3-5mm garnets at upper contact; | | | | | | |
| | | | | Upper contact at 35 to CA; lower contact at 80 | | | | | | |
| | | | | to CA; fine grained apatite 1-2mm, 40% musko- | | | | | | |
| | | | | vite. | | | | | | |
| | | | | | | | | | | |
| **144.43** | **155.53** | | **M1** | **METASEDIMENT** | | | | | | |
| | | | | Medium grey, fine grained, massive, locally | | | | | | |
| | | | | weakly foliated metasediment Fsp-Qtz-Bio, sligh- | | | | | | |
| | | | | tly more siliceous than typical M1. | | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) | Au ppb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 145.75-146.34; Altered Mv-Fsp-Qtz pegmatite | **753487** | 145.75 | 146.34 | 0.59 | 0.64 | |
| | | | | >50% fine grained muskovite for ~15cm at both | | | | | | |
| | | | | contacts. Feldspar altered to dark grey at the | | | | | | |
| | | | | center of pegmatite. Upper contact at 45 to | | | | | | |
| | | | | CA;lower contact at 50 to CA. | | | | | | |
| | | | | 149.6-155.58; mica rich section, fine grained | | | | | | |
| | | | | white mica, sericite(?), several thin Fsp-Qtz- | | | | | | |
| | | | | Mv pegmatite dykes 10-15cm thick | | | | | | |
| | | | | 154.0-155.55 strong foliation at 30 to 65 to CA. | | | | | | |
| | | | | | | | | | | |
| **155.53** | **160.82** | 5.29 | **I1G** | **PEGMATITE** | | | | | | |
| | | | | Coarse grained, weakly altered Fsp-SP-Qtz-Mv | **753488** | 155.53 | 156.53 | 1.00 | 1.52 | |
| | | | | pegmatite; | **753489** | 156.53 | 158.18 | 1.65 | 1.52 | |
| | | | | 155.8-157.0 aletred spodumene | **753490** | BLANK | | | 0.01 | |
| | | | | 158.2-160.82 massive, coarse Fsp, ~5% Qtz. | **753491** | 158.18 | 159.82 | 1.64 | 0.10 | |
| | | | | Spodumene locally altered to light yellowish mi- | **753492** | 159.82 | 160.82 | 1.00 | 0.26 | |
| | | | | neral. Overall 5-10% Spodumene | | | | | | |
| | | | | Fine grained muskovite at upper contact. Upper | | | | | | |
| | | | | contact at 90 to CA; lower contact at 50 to CA. | | | | | | |
| | | | | | | | | | | |
| **160.82** | **163.43** | | **M1** | **METASEDIMENT** | | | | | | |
| | | | | Fine grained, grey, massive Fsp-Qtz-Bio meta- | | | | | | |
| | | | | sediment, weak foliation from 161.0 to 162.0m | | | | | | |
| | | | | at 30 to CA. | | | | | | |
| | | | | | | | | | | |
| **163.43** | **170.10** | 6.67 | **I1G** | **PEGMATITE** | | | | | | |
| | | | | Medium to coarse grained FSp-Qtz-SP+/-PH | **753493** | 163.43 | 164.43 | 1.00 | 1.21 | |
| | | | | pegmatite; 5-10% spodumene 1-3cm in size; | **753494** | 164.43 | 166.00 | 1.57 | 1.94 | |
| | | | | scattered apatite grains 2-4mm in size, odd | **753495** | 166.00 | 167.50 | 1.50 | 1.50 | |
| | | | | tourmaline at 169.2m; fine grained, yellowish- | **753496** | 167.50 | 169.10 | 1.60 | 1.39 | |
| | | | | white muskovite ~15cm at both contacts. Upper | **753497** | 169.10 | 170.10 | 1.00 | 1.10 | |
| | | | | contact at 50 to CA; Lower contact at 15 to CA. | | | | | | |
| | | | | | | | | | | |
| **170.10** | **175.47** | | **M1** | **METASEDIMENT** | | | | | | |
| | | | | Fine grained, grey, massive Fsp-Qtz-Bio meta- | | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) | Au ppb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | sediment, weak foliation. | | | | | | |
| | | | | 173.6m; 20cm altered pegmatite dyke Fsp-Mv+/- | | | | | | |
| | | | | Qtz, oriented at 55 to CA. | | | | | | |
| | | | | | | | | | | |
| **175.47** | **177.33** | 1.86 | **I1G** | **PEGMATITE** | | | | | | |
| | | | | Coarse grained, locally altered Fsp-Qtz-Mv-SP | **753498** | 175.47 | 176.45 | 0.98 | 0.08 | |
| | | | | pegmatite; ~5% spodumene; grey patches of | **753499** | 176.45 | 177.33 | 0.88 | 0.68 | |
| | | | | altered feldspar; three 1cm subhedral garnets | **753500** | STANDARD LOW | | | 0.79 | |
| | | | | at upper contact. Fine grained muskovite for | | | | | | |
| | | | | 5-10cm at both contacts. Upper contact at | | | | | | |
| | | | | 90 to CA; lower contact at 75 to CA. | | | | | | |
| | | | | | | | | | | |
| **177.33** | **181.00** | | **M1** | **METASEDIMENT** | | | | | | |
| | | | | Same as 170.1 to 175.47m. | | | | | | |
| | | | | 179.7-179.95; 25cm fine grained, altered Fsp- | | | | | | |
| | | | | Mv-Qtz pegmatite dyke at 60 to CA. | | | | | | |
| | | | | | | | | | | |
| **181.00** | **185.30** | 4.30 | **I1G** | **PEGMATITE** | | | | | | |
| | | | | Medium to coarse grained Fsp-Qtz-SP-PH-Mv | **753501** | 181.00 | 182.00 | 1.00 | 1.41 | |
| | | | | pegmatite, locally altered feldspar to dark grey | **753502** | 182.00 | 183.20 | 1.20 | 1.89 | |
| | | | | patches; fine graiend muskovite ~5cm at both | **753503** | 183.20 | 184.30 | 1.10 | 1.67 | |
| | | | | contacts; 10-15% spodumene as 1-3cm crystals | **753504** | 184.30 | 185.30 | 1.00 | 1.37 | |
| | | | | Upper contact at 90 to CA; lower contact masked | | | | | | |
| | | | | by fine grained mica, ~90 to CA, specks of | | | | | | |
| | | | | Apatite at the contact. | | | | | | |
| | | | | | | | | | | |
| **185.30** | **186.47** | | **M1** | **METASEDIMENT** | | | | | | |
| | | | | Light to medium grey, massive, fine grained | | | | | | |
| | | | | Fsp-Qtz-Bio metasediment, weak foliation. | | | | | | |
| | | | | | | | | | | |
| **186.47** | **187.20** | 0.73 | **I1G** | **PEGMATITE** | | | | | | |
| | | | | Altered pegmatite dyke Fsp-Mv-SP+/-Qtz; | **753505** | 186.47 | 187.20 | 0.73 | 1.69 | |
| | | | | ~10% spodumene; few Apatite grains 2-4mm | | | | | | |
| | | | | in size; 10cm fine grained muskovite at both | | | | | | |
| | | | | contacts. Both contacts at 90 to CA. | | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) | Au ppb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |
| **187.20** | **194.98** | | **M1** | **METASEDIMENT** | | | | | | |
| | | | | Light to medium grey, massive, fine grained | | | | | | |
| | | | | Fsp-Qtz-Bio metasediment, weak foliation; cut | | | | | | |
| | | | | by numerous mica rich pegmatite dykes 5-10cm | | | | | | |
| | | | | thick at 90 to CA from 188.8 to 190.5m. | | | | | | |
| | | | | | | | | | | |
| **194.98** | **197.76** | 2.78 | **I1G** | **PEGMATITE** | | | | | | |
| | | | | Coarse grained Fsp-Qtz-Mv+/-SP pegmatite, | | | | | | |
| | | | | fine grained white mica at both contacts. | **753506** | 194.98 | 196.48 | 1.50 | 0.69 | |
| | | | | 195.9-196.5; >50% quartz at the center of dy | **753507** | 196.48 | 197.76 | 1.28 | 0.13 | |
| | | | | ke; patchy grey alteration of feldspar near the | | | | | | |
| | | | | lower contact. Upper contact at 80 to CA; | | | | | | |
| | | | | lower contact at 90 to CA. | | | | | | |
| | | | | | | | | | | |
| **197.76** | **201.25** | | **M2** | **METASEDIMENT** | | | | | | |
| | | | | Same as 185.3 to 186.47m. | | | | | | |
| | | | | | | | | | | |
| **201.25** | **204.80** | 3.55 | **I1G** | **PEGMATITE** | | | | | | |
| | | | | Medium to coarse grained micaceous pegmatite. | **753508** | 201.25 | 202.25 | | 0.12 | |
| | | | | Fine grained, white mica ~30cm at both conta- | **753509** | 202.25 | 203.8 | | 0.17 | |
| | | | | cts. Predominatly Mv-Ph-fsp+/-Qtz pegmatite, | **753510** | DUPLICATE | | | 0.16 | |
| | | | | no visible spodumene. Upper contact parallel to | **753511** | 203.8 | 204.80 | | 0.11 | |
| | | | | CA; lower contact at 20 to CA. | | | | | | |
| | | | | | | | | | | |
| **204.80** | **207.22** | | **M2** | **METASEDIMENT** | | | | | | |
| | | | | Same as 185.3 to 186.47m. | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | **207.22m E.O.H.** | | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 2.36%/2.65m | 109.65 | 112.30 |
| 2.38%/10.50m | 119.50 | 130.00 |

LITHOLOGY

| From | To | Length | Rock | Description | Sample # | From | To | Length | $Li_2O$ | Au |
|---|---|---|---|---|---|---|---|---|---|---|
| | | (m) | Code | | | | | (m) | (%) | ppb |
| | | | | 1.31%/3.25m | 137.60 | 140.85 | | | | |
| | | | | 1.52%/2.65m | 155.53 | 158.18 | | | | |
| | | | | 1.47%/6.67m | 163.43 | 170.10 | | | | |
| | | | | 1.60%/4.30m | 181.00 | 185.30 | | | | |

LITHIUM ONE INC..
Property : James Bay Lithium

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DDH # : | **JBL09-14** | | | Start : | 1-jul-09 | Drilled by : | Chibougamau |
| Azimuth : | 110° | LOCATION | UTM | End : | 2-jul-09 | | Diamond Drilling |
| Dip: | -60° | 358638 | mE | | | Logged by : | A.Peshkepia |
| Elevation: | 229m | 5789222 | mN | | | **Verified by:** | **AJMc** on July 5th, 2009 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **1.85** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **1.85** | **3.15** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Brownish-grey, fine grained, well foliated with | | | | | |
| | | | | <1cm bands of biotite alternating with fine | | | | | |
| | | | | grained 1-2mm thick fsp bands. Foliation at 40 | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |
| **3.15** | **4.50** | 1.35 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse graied, altered Fsp-Qtz-PH pegmatite, | **753512** | 3.15 | 4.50 | 1.35 | 0.03 |
| | | | | pervasive fine grained muskovite. Broken core at | | | | | |
| | | | | upper contact; lower contact parallel to CA. | | | | | |
| | | | | | | | | | |
| **4.50** | **6.45** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Brownish-grey, fine grained, well foliated, Fsp- | | | | | |
| | | | | Bio-Qtz metasediment, ~15% fine grained, meta- | | | | | |
| | | | | llic grey mica, sericite(?); foliation from 20 to 50 | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |
| **6.45** | **14.13** | 7.68 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, greyish-white, altered pegmatite, | **753513** | 6.45 | 7.45 | 1.00 | 0.01 |
| | | | | Fsp-Qtz-SP-PH-Mv, grey patches of altered fsp, | **753514** | 7.45 | 8.95 | 1.50 | 0.01 |
| | | | | fine grained muskovite; 1-3% spodumene; | **753515** | 8.95 | 10.45 | 1.50 | 0.02 |
| | | | | 10.5; fine grained, blu mineral along a fracture, | **753516** | 10.45 | 11.95 | 1.50 | 0.04 |
| | | | | possible berilium(?); | **753517** | 11.95 | 13.13 | 1.18 | 0.01 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 12.0-13.5; vuggy section; 15cm fine grained | **753518** | 13.13 | 14.13 | 1.00 | 0.02 |
| | | | | muskovite at lower contact; Upper contact at | | | | | |
| | | | | 40 to CA; lower contact at 50 to CA. | | | | | |
| | | | | | | | | | |
| **14.13** | **39.75** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Brownish-grey, fine grained, well foliated at 35- | | | | | |
| | | | | 40 to CA, biotite rich (~30%) metasediment, | | | | | |
| | | | | locally fine grained, silvery white mica, sericite(?) | | | | | |
| | | | | | | | | | |
| **39.75** | **49.88** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, massive, medium grey, siliceous | | | | | |
| | | | | Fsp-Qtz-Bio metasediment, ~5% Bio, weak foli- | | | | | |
| | | | | ation. Upper contact sharp at 50 to CA. | | | | | |
| | | | | | | | | | |
| **49.88** | **53.20** | 3.32 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, fresh Fsp-Qtz-SP-PH+/-Ap | **753519** | 49.88 | 50.88 | 1.00 | 0.25 |
| | | | | pegmatite, 5% spodumene as up to 10cm long | **753520** | STANDARD LOW | | | 0.75 |
| | | | | crystals. Locally massive, fine grained, white | **753521** | 50.88 | 52.20 | 1.32 | 1.38 |
| | | | | albite, aplite. Two 5cm long metasediment sec- | **753522** | 52.20 | 53.20 | 1.00 | 1.77 |
| | | | | tions near the upper contact. | | | | | |
| | | | | Both contacts at 90 to CA. | | | | | |
| | | | | | | | | | |
| **53.20** | **56.08** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 39.75 to 49.88m. | | | | | |
| | | | | | | | | | |
| **56.08** | **59.96** | 3.88 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, white to light grey, weakly | **753523** | 56.08 | 57.08 | 1.00 | 0.54 |
| | | | | altered Fsp-Qtz-SP+/-PH pegmatite; 10-15% SP | **753524** | 57.08 | 58.00 | 0.92 | 1.96 |
| | | | | as 1-5cm crystals alterd to pale yellowish-white | **753525** | 58.00 | 58.96 | 0.96 | 1.16 |
| | | | | some spodumene grains partially altered to ser- | **753526** | 58.96 | 59.96 | 1.00 | 1.32 |
| | | | | pentine like mineral at 57.0m. | | | | | |
| | | | | Upper contact at 90 to CA; lower contact at 50 | | | | | |
| | | | | to CA. | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **59.96** | **69.60** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, massive, medium grey, weak folia- | | | | | |
| | | | | tion at 70 to CA; Fsp-Qtz-Bio metasediment; | | | | | |
| | | | | this unit has been intersected by three <1m | | | | | |
| | | | | thick pegmatite dykes as follows: | | | | | |
| | | | | 64.65-65.15; 0.5m altered, fine grained, Fsp- | **753527** | 64.65 | 65.15 | 0.50 | 0.24 |
| | | | | Qtz+/-Mv pegmatite dyke at 55 to CA. | | | | | |
| | | | | 66.47-67.53; 1,06m Fsp-Qtz-SP pegmatite | **753528** | 66.47 | 67.53 | 1.06 | 0.57 |
| | | | | dyke, 3-5% SP, includes a 25cm metasediment | | | | | |
| | | | | section, upper contact at 90 to CA; lower | | | | | |
| | | | | contact at 60 to CA. | | | | | |
| | | | | 68.47-69.0; 0.53m Coarse Fsp-Qtz-SP pegmatite | **753529** | 68.47 | 69.00 | 0.53 | 0.88 |
| | | | | dyke; ~5% spodumene up to 8cm long crystals | **753530** | BLANK | | | <100 ppm |
| | | | | Upper contact at 50 to CA; lower contact at 90 | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |
| **69.60** | **78.40** | | | **QFP** | | | | | |
| | | | | Fine to medium grained, light grey Qtz-Fsp por- | | | | | |
| | | | | phyry, massive to weakly foliated at 55 to CA; | | | | | |
| | | | | Fsp generally 2-4mm in size, odd 1cm subhedral | | | | | |
| | | | | grain; fine grained, interstitial biotite ~5%, | | | | | |
| | | | | specks of Aspy throughout this unit. | | | | | |
| | | | | 74.25-75.25; 1.0m pegmatite dyke cuts through | **753531** | 74.25 | 75.25 | 1.00 | 1.18 |
| | | | | the QFP, altered Fsp-Qtz-SP +/-Tm+/-Mv; | | | | | |
| | | | | ~5%SP 2-3cm in size; upper contact 55 to CA; | | | | | |
| | | | | lower contact at 90 to CA. | | | | | |
| | | | | Lower contact of QFP sharp at 80 to CA. | | | | | |
| | | | | | | | | | |
| **78.40** | **105.34** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, massive Fsp-Qtz-Bio meta- | | | | | |
| | | | | sediment; intersected by thin (<1m)pegmatite | | | | | |
| | | | | dykes and thin QFP dykes: | | | | | |
| | | | | 82.71-82.8; 9cm QFP, upper contact at 35 to | | | | | |
| | | | | CA; | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 82.80-83.64; 0.84m altered pegmatite dyke | **753532** | 82.80 | 83.64 | 0.84 | 0.03 |
| | | | | Fsp-Qtz+/-SP+/-Mv; two 3cm Aspy blebs along | | | | | |
| | | | | a fracture at 83.0m; | | | | | |
| | | | | 83.17-83.33; QFP, spotty tourmaline along the | | | | | |
| | | | | lower contact with the pegmatite; upper contact | | | | | |
| | | | | of pegmatite at 70 to CA; lower contact at 35 | | | | | |
| | | | | to CA. | | | | | |
| | | | | 100.2-100.7; 0.5m Fsp-Qtz-Mv pegmatite dyke | **753533** | 100.20 | 100.70 | 0.50 | 0.06 |
| | | | | at 60 to CA; patchy alteration of Fsp, fine gra- | | | | | |
| | | | | ined muskovite. | | | | | |
| | | | | | | | | | |
| **105.34** | **113.70** | 8.36 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, milky white Fsp-SP-Qtz-PH, | **753534** | 105.34 | 106.34 | 1.00 | 1.86 |
| | | | | unaltered pegmatite; 20-25% spodumene, | **753535** | 106.34 | 107.84 | 1.50 | 2.12 |
| | | | | generally fresh, pale green, up to 8cm long grains | **753536** | 107.84 | 109.34 | 1.50 | 1.83 |
| | | | | odd garnet at 106.0m, minor Apatite. | **753537** | 109.34 | 110.84 | 1.50 | 2.11 |
| | | | | U pper contact at 60 to CA; lower contact at | **753538** | 110.84 | 111.80 | 0.96 | 2.14 |
| | | | | 40 to CA. | **753539** | 111.80 | 112.70 | 0.90 | 1.32 |
| | | | | | **753540** | STANDARD HIGH | | | 1.25 |
| | | | | | **753541** | 112.70 | 113.70 | 1.00 | 1.10 |
| | | | | | | | | | |
| **113.70** | **114.95** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Brownish-grey, fine grained, massive Fsp-Qtz- | | | | | |
| | | | | Bio metasediment, ~10-15% bio, weak foliation | | | | | |
| | | | | at 50 to CA. | | | | | |
| | | | | | | | | | |
| **114.95** | **115.71** | 0.76 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Medium to coarse grained, massive feldspar alter- | **753542** | 114.95 | 115.71 | 0.76 | 0.12 |
| | | | | ed to medium grey patches, Fsp-Qtz-Mv, no | | | | | |
| | | | | visible spodumene. Upper contact at 65 to CA; | | | | | |
| | | | | lower contact at at 60 to CA. | | | | | |
| | | | | | | | | | |
| **115.71** | **127.76** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, massive, Fsp-Qtz-Bio meta- | | | | | |
| | | | | sediment. | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 126.8-127.05; 0.25m Fsp-Qtz-Mv pegmatite at | | | | | |
| | | | | 80 to CA; specks of apatite, trace SP(?) fine | | | | | |
| | | | | grained. | | | | | |
| | | | | Specks of molibdenite at 126.9m. | | | | | |
| | | | | | | | | | |
| **127.76** | **133.44** | 5.68 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, FSp-SP-Qtz-PH-Mv pegmatite, | **753543** | 127.76 | 128.76 | 1.00 | 0.10 |
| | | | | locally altered, fine grained yellowish-white | **753544** | 128.76 | 130.26 | 1.50 | 0.49 |
| | | | | mica in the first meter; ~15% spodumene pale | **753545** | 130.26 | 131.38 | 1.12 | 0.79 |
| | | | | green, up to 15cm long crystals subparallel to | **753546** | 131.38 | 132.44 | 1.06 | 0.70 |
| | | | | CA. Upper contact at 60 to CA; 10cm fine gra- | **753547** | 132.44 | 133.44 | 1.00 | 1.84 |
| | | | | ined fsp +mica near upper contact. Lower | | | | | |
| | | | | contact at 50 to CA. | | | | | |
| | | | | | | | | | |
| **133.44** | **135.87** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 115.71 to 127.76m. | | | | | |
| | | | | 15cm Fsp-Qtz-SP pegmatite at 134.8m, | | | | | |
| | | | | oriented at 60 to CA. | | | | | |
| | | | | | | | | | |
| **135.87** | **146.90** | 11.03 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, pervasive, weak alteration | **753548** | 135.87 | 136.87 | 1.00 | 1.07 |
| | | | | Fsp-Qtz-SP-PH pegmatite, 20-25% spodumene | **753549** | 136.87 | 138.40 | 1.53 | 2.06 |
| | | | | as relatively small <5cm crystals; fine grained | **753550** | DUPLICATE | | | 2.13 |
| | | | | muskovite mainly in the last two metres; 15 cm | **279551** | 138.40 | 139.90 | 1.50 | 1.24 |
| | | | | metasediment xenolith at 136.4m; odd apatite | **279552** | 139.90 | 141.40 | 1.50 | 1.47 |
| | | | | grain 3-5mm in size. Upper contact at 65 to CA; | **279553** | 141.40 | 142.90 | 1.50 | 1.84 |
| | | | | lower contact at 50 to CA. | **279554** | 142.90 | 144.40 | 1.50 | 1.58 |
| | | | | | **279555** | 144.40 | 145.90 | 1.50 | 1.71 |
| | | | | | **279556** | 145.90 | 146.90 | 1.00 | 0.97 |
| | | | | | | | | | |
| **146.90** | **156.00** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, massive Fsp-Qtz-Bio | | | | | |
| | | | | metasediment. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| | | | | **156.00m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.55%/2.32m | 50.88 | 53.20 |
| 1.47%/2.88m | 57.08 | 59.96 |
| 1.83%/8.36m | 105.34 | 113.70 |
| 1.54%/11.03m | 135.87 | 146.90 |

LITHIUM ONE INC..
Property : James Bay Lithium

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DDH # : | **JBL09-15** | | | Start : | 2-jul-09 | Drilled by : | Chibougamau |
| Azimuth : | 110° | LOCATION | UTM | End : | 3-jul-09 | | Diamond Drilling |
| Dip: | -60° | 358680 | mE | | | Logged by : | A.Peshkepia |
| Elevation: | 235m | 5789258 | mN | | | **Verified by:** | **AJMc** on July 6th, 2009 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **2.40** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **2.40** | **5.67** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Brownish-grey, fine grained, well foliated Fsp- | | | | | |
| | | | | Qtz-Bio metasediment, ~30% biotite, variable | | | | | |
| | | | | foliation, folded; fine grained white mica from | | | | | |
| | | | | 5.0 to 5.6m nea rht econtact with the pegmatite | | | | | |
| | | | | | | | | | |
| **5.67** | **8.37** | 2.70 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, altered Fsp-Qtz-SP-PH-Mv | **279557** | 5.67 | 7.07 | 1.40 | 0.31 |
| | | | | pegmatite; grey patches of altered feldspar; | **279558** | 7.07 | 8.37 | 1.30 | 0.68 |
| | | | | 5% fresh spodumene as 2-5cm long crystals; | | | | | |
| | | | | fine grained muskovite; odd apatite grain 2-4mm | | | | | |
| | | | | in size. Upper contact at 90 to CA; lower | | | | | |
| | | | | contact at 70 to CA. | | | | | |
| | | | | | | | | | |
| **8.37** | **9.40** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | fine grained, massive, bluish-grey, Fsp-Qtz-Bio | | | | | |
| | | | | metasediment, weak foliation at 55 to CA. | | | | | |
| | | | | | | | | | |
| **9.40** | **16.71** | 7.31 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, locally altered Fsp-Qtz-SP-Mi+/- | **279559** | 9.40 | 10.40 | 1.00 | 1.12 |
| | | | | PH; grey patches of altered feldspar, up to 10cm | **279560** | STANDARD LOW | | | 0.81 |
| | | | | long spodumene crystals, 10-15% SP. Fine gra- | **279561** | 10.40 | 11.90 | 1.50 | 0.50 |
| | | | | ined muskovite at both contacts for ~5cm; | **279562** | 11.90 | 13.40 | 1.50 | 2.17 |
| | | | | 1cm Aspy bleb at 14.2m. Upper contact at 45 | **279563** | 13.40 | 14.71 | 1.31 | 0.90 |
| | | | | to CA; lower contact at 90 to CA. | **279564** | 14.71 | 15.71 | 1.00 | 1.66 |
| | | | | | **279565** | 15.71 | 16.71 | 1.00 | 1.37 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **16.71** | **43.30** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, massive Fsp-Qtz-Bio, weakly | | | | | |
| | | | | foliated metasediment; foliation at 65 to CA. | | | | | |
| | | | | Intersected by several thin 3-10cm pegmatite | | | | | |
| | | | | dykes at 90 to CA from 20.2 to 22.1m. | | | | | |
| | | | | fsp-amph bands3-5cm thick from 28.2 to 33.2m | | | | | |
| | | | | 31.2-31.33; QFP dyke at 65 to CA. | | | | | |
| | | | | | | | | | |
| **43.30** | **44.06** | | | **MAFIC VOLCANIC** | | | | | |
| | | | | Fine grained, green, massive, mafic volcanic, | | | | | |
| | | | | Fsp-Amph minor biotite. | | | | | |
| | | | | | | | | | |
| **44.06** | **48.28** | 4.22 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, altered Fsp-SP-Qtz+/-PH peg- | **279566** | 44.06 | 45.06 | 1.00 | 0.42 |
| | | | | matite; feldspar altered to light grey, calcic | **279567** | 45.06 | 46.28 | 1.22 | 1.44 |
| | | | | variety; 15% spodumene altered to dark green | **279568** | 46.28 | 47.28 | 1.00 | 0.63 |
| | | | | serpentine like mineral along a fracture at 44.3m | **279569** | 47.28 | 48.28 | 1.00 | 0.62 |
| | | | | partial alteration of spodumen grains, odd tour- | **279570** | BLANK | | | <100 ppm |
| | | | | maline. Upper contact at 90 to CA; lower con- | | | | | |
| | | | | tact at 60 to CA. | | | | | |
| | | | | | | | | | |
| **48.28** | **49.07** | | | **MAFIC VOLCANIC** | | | | | |
| | | | | green, fine grained, massive mafic volcanic, 1-3 | | | | | |
| | | | | mm, Fsp-Amph subheral crystals. Lower contact | | | | | |
| | | | | sharp at 70 to CA. | | | | | |
| | | | | | | | | | |
| **49.07** | **66.58** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey to brownish-grey, massive, Fsp-Qtz | | | | | |
| | | | | Bio metasediment, foliation at 60 to CA. | | | | | |
| | | | | | | | | | |
| **66.58** | **68.25** | 1.67 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Altered Fsp-Qtz-+/-SP-Mv pegmatite; medium | **279571** | 66.58 | 67.38 | 0.80 | 0.06 |
| | | | | to dark grey patches of altered feldspar. | **279572** | 67.38 | 68.25 | 0.87 | 0.30 |
| | | | | 67.15-67.7; 0.55m metasediment xenolith with | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | fine grained white mica from 67.15 to 67.4m, | | | | | |
| | | | | and two 3cm pegmatite dykes. | | | | | |
| | | | | Upper contact at 55 to CA; lower contact at | | | | | |
| | | | | 65 to CA. | | | | | |
| | | | | | | | | | |
| **68.25** | **85.25** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | 68.25-77.05; bluish-grey, fine grained, massive | **279573** | 74.37 | 75.24 | 0.87 | 0.55 |
| | | | | fsp-Qtz-Bio metasediment, weak foliation at 65 | | | | | |
| | | | | to CA. This unit has been cut by several pegma- | | | | | |
| | | | | tite dykes 2-20cm thick: | | | | | |
| | | | | 74.37-75.24; 0.87m altered Fsp-Qtz+/-SP peg- | | | | | |
| | | | | matite dyke; 3-5% SP. Contacts at 65 to CA. | | | | | |
| | | | | 77.05-77.3; 0.25m Fsp-Qtz-SP pegmatite dyke | | | | | |
| | | | | at 60 to CA. | | | | | |
| | | | | 77.65-77.8; 15cm pegmatite dyke at 60 to CA. | | | | | |
| | | | | 77.3 to 85.25m metasediment looks more like | | | | | |
| | | | | M2 type, light grey, stronger foliation at 60 to | | | | | |
| | | | | CA. | | | | | |
| | | | | | | | | | |
| **85.25** | **86.64** | 1.39 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Altered, coarse grained Fsp-SP-Qtz-Mv pegmati | **279574** | 85.25 | 86.64 | 1.39 | 1.38 |
| | | | | te; 10% spodumene up to 8cm long crystals; | | | | | |
| | | | | ~15cm section of fine grained fsp+mica at both | | | | | |
| | | | | contacts; spodumene locally altered to yellowish | | | | | |
| | | | | white mineral. Upper contact at 50 to CA; | | | | | |
| | | | | lower contact at 60 to CA. | | | | | |
| | | | | | | | | | |
| **86.64** | **88.29** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, massive, bluish-grey Fsp-Qtz-bio | | | | | |
| | | | | metasediment. | | | | | |
| | | | | | | | | | |
| **88.29** | **95.16** | 6.87 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, weakly altered Fsp-Qtz-SP-PH- | **279575** | 88.29 | 89.29 | 1.00 | 0.45 |
| | | | | Mv pegmatite; 10-15% spodumene, overall fresh | **279576** | 89.29 | 90.79 | 1.50 | 1.74 |
| | | | | locally altered to serpentine at upper contact, | **279577** | 90.79 | 92.29 | 1.00 | 1.04 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | coarse up to 15cm long crystals parallel to CA; | **279578** | 92.29 | 93.29 | 0.87 | 1.14 |
| | | | | odd apatite grain 3-8mm in size. Feldspar weak- | **279579** | 93.29 | 94.16 | 0.87 | 1.19 |
| | | | | ly altered to medium grey. | **279580** | STANDARD LOW | | | 0.80 |
| | | | | upper contact at 80 to CA; lower contact at 35 | **279581** | 94.16 | 95.16 | 1.00 | 1.56 |
| | | | | to CA. | | | | | |
| **95.16** | **98.25** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, massive Fsp-Qtz-Bio metase- | | | | | |
| | | | | diment, specks of Pyrite and Aspy at 96.7m | | | | | |
| | | | | 96.9-97.38;0.48m coarse Fsp-Qtz-SP-Mv peg- | **279582** | 96.90 | 97.38 | 0.48 | 0.65 |
| | | | | matite, weakly altered, upper contact at 60 to | | | | | |
| | | | | Ca, lower contact at 40 to CA, 1-2cm garnets | | | | | |
| | | | | at the center of dyke, ~5% spodumene. | | | | | |
| | | | | | | | | | |
| **98.25** | **104.45** | 6.20 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, unaltered Fsp-SP-Qtz-PH-Mv | **279583** | 98.25 | 99.25 | 1.00 | 1.02 |
| | | | | pegmatite; Fsp milky white to very light grey, | **279584** | 99.25 | 100.75 | 1.50 | 1.65 |
| | | | | Spodumene pale green, 10-15% as 1-8cm long | **279585** | 100.75 | 102.25 | 1.50 | 0.14 |
| | | | | crystals; | **279586** | 102.25 | 103.45 | 1.20 | 1.50 |
| | | | | 100.5-101.2 fine grained, yellowish-white mus- | **279587** | 103.45 | 104.45 | 1.00 | 0.88 |
| | | | | kovite; | | | | | |
| | | | | small garnet aggregate at upper contact. Upper | | | | | |
| | | | | contact at 60 to CA; lower contact at 35 to CA. | | | | | |
| | | | | | | | | | |
| **104.45** | **116.48** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey tobrownish-grey Fsp-Qtz-Bio | | | | | |
| | | | | metasediment, more biotite rich than typical | | | | | |
| | | | | M1, weak foliation at 70 to CA; | | | | | |
| | | | | 115.15-115.48; 0.33m Fsp-Mv+/-Qtz+/-SP | | | | | |
| | | | | fine grained, pegmatite dyke at 70 to CA. | | | | | |
| | | | | | | | | | |
| **116.48** | **118.31** | 1.83 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Medium to coarse grained Fsp-SP-Qtz-PH-Mv | **279588** | 116.48 | 117.48 | 1.00 | 1.54 |
| | | | | weakly altered pegmatite; 5-10% spodumene, | **279589** | 117.48 | 118.31 | 0.83 | 1.70 |
| | | | | 2-5cm crystals; fine grained grey Fsp+mica at | **279590** | DUPLICATE | | | 1.69 |
| | | | | both contacts for ~10cm. | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Upper contact at 70 to CA; lower contact at | | | | | |
| | | | | 65 to CA. | | | | | |
| | | | | | | | | | |
| **118.31** | **129.50** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 104.45 to 116.48m. | | | | | |
| | | | | This unit has been intersected by four <0.6m | | | | | |
| | | | | thick pegmatite dykes: | | | | | |
| | | | | 122.77-123.04; 0.27m altered Fsp-Qtz-Mv peg- | | | | | |
| | | | | matite dyke at 60 to CA; | | | | | |
| | | | | 124.92-125.16; 0.24m altered Fsp-Qtz Mv peg- | | | | | |
| | | | | matite at 60 to CA; | | | | | |
| | | | | 126.18-126.7; 0.52m weakly altered Fsp-Qtz-SP | **279591** | 126.18 | 126.70 | 0.52 | 1.87 |
| | | | | PH-Mv pegmatite dyke at 80 to CA, 15-20%SP, | | | | | |
| | | | | odd apatite grain ~4mm in size. | | | | | |
| | | | | 128.5-128.94; 0.44m Altered Fsp-SP-Qtz+/-Mv | **279592** | 128.50 | 128.94 | 0.44 | 0.97 |
| | | | | pegmatite dyke at 80 to CA, dark grey altered | | | | | |
| | | | | Fsp, 15% SP in places altered to serpentine. | | | | | |
| | | | | | | | | | |
| **129.50** | **138.14** | 8.64 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained Fsp-SP-Qtz-PH+/-AP, pegmatite | **279593** | 129.50 | 130.50 | 1.00 | 1.66 |
| | | | | altered fsp in places to medium grey; 20-25% | **279594** | 130.50 | 132.00 | 1.50 | 1.48 |
| | | | | spodumene, generally fresh as thin crystals | **279595** | 132.00 | 133.50 | 1.50 | 1.72 |
| | | | | subparallel to CA; 2-6mm apatite grains at 131.5 | **279596** | 133.50 | 135.00 | 1.50 | 1.97 |
| | | | | m. Upper contact at 70 to CA; lower contact | **279597** | 135.00 | 136.08 | 1.08 | 1.64 |
| | | | | at 60 to CA. | **279598** | 136.08 | 137.14 | 1.06 | 1.37 |
| | | | | | **279599** | 137.14 | 138.14 | 1.00 | 1.40 |
| | | | | | **279600** | STANDARD HIGH | | | 1.33 |
| | | | | | | | | | |
| **138.14** | **139.15** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, masive, grey, Fsp-Qtz-Bio metase- | | | | | |
| | | | | diment. | | | | | |
| | | | | | | | | | |
| **139.15** | **140.00** | 0.85 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Altered Fsp-Qtz-Mv+/-Ap pegmatite dyke, minor | **279601** | 139.15 | 140.00 | 0.85 | 0.66 |
| | | | | garnet <3mm in size, no visible spodumene, fine | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | grained mica in a grey fsp groundmass. Upper | | | | | |
| | | | | contact at 55 to CA; lower contact at 70 to CA. | | | | | |
| | | | | | | | | | |
| **140.00** | **142.57** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 138.14 to 139.15m. | | | | | |
| | | | | | | | | | |
| **142.57** | **147.56** | 4.99 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, aletred Fsp-Qtz-SP-Mv pegma- | **279602** | 142.57 | 143.20 | 0.63 | 0.71 |
| | | | | tite; fsp altered to light grey; 5-10% spodumene | **279603** | 143.52 | 144.22 | 0.70 | 0.85 |
| | | | | less 4cm long crystals; two metasediment xeno- | **279604** | 145.13 | 146.33 | 1.20 | 1.15 |
| | | | | liths from 143.2 to 145.13m; | **279605** | 146.33 | 147.56 | 1.23 | 1.20 |
| | | | | 143.2-143.52; 32cm metasediment xenolith, | | | | | |
| | | | | upper contact at 50 to CA, lower contact at | | | | | |
| | | | | 70 to CA; | | | | | |
| | | | | 144.22-145.13; 0.91m metasediment section | | | | | |
| | | | | upper contact at 65 to CA; lower contact at 55 | | | | | |
| | | | | to CA. | | | | | |
| | | | | Upper contact of the pegmatite at 90 to CA; lo- | | | | | |
| | | | | wer contact at 55 to CA. | | | | | |
| | | | | | | | | | |
| **147.56** | **150.07** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, Fsp-Qtz-Bio metasediment, | | | | | |
| | | | | weak foliation at 50 to CA. | | | | | |
| | | | | 149.35-149.6; 0.25m altered pegmatite Fsp-Qtz | | | | | |
| | | | | Mv, no visible spodumene. Upper contact at 20 | | | | | |
| | | | | to CA; lower contact at 90 to CA. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | **150.07m E.O.H.** | | | | | |

LITHOLOGY

| From | To | Length | Rock | Description | Sample # | From | To | Length | $Li_2O$ |
|---|---|---|---|---|---|---|---|---|---|
| | | (m) | Code | | | | | (m) | (%) |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.55%/4.81m | 11.90 | 16.71 |
| 1.23%/5.87m | 89.29 | 95.16 |
| 1.03%/6.20m | 98.25 | 104.45 |
| 1.61%/1.83m | 116.48 | 118.31 |
| 1.63%/8.64m | 129.50 | 138.14 |
| 1.17%/2.43m | 145.13 | 147.56 |

LITHIUM ONE INC..
Property : James Bay Lithium

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DDH # : | **JBL09-16** | | Start : | 3-jul-09 | Drilled by : | | Chibougamau |
| Azimuth : | 110° | LOCATION UTM | End : | 4-jul-09 | | | Diamond Drilling |
| Dip: | -60° | 358698 mE | | | Logged by : | | A.Peshkepia |
| Elevation: | 231m | 5789301 mN | | | **Verified by:** | **AJMc** | on July 7th, 2009 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **2.85** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **2.85** | **8.33** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained, massive Fsp-Qtz-Bio | | | | | |
| | | | | meteadiment, weak to moderate foliatiuon at 45 | | | | | |
| | | | | to CA; | | | | | |
| | | | | 6.83-7.16; 0.33m altered pegmatite dyke Fsp- | | | | | |
| | | | | Qtz+/-SP oriented at 60 to CA. | | | | | |
| | | | | | | | | | |
| **8.33** | **21.98** | 13.65 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, fresh to weakly altered, Fsp-SP- | **279606** | 8.33 | 9.33 | 1.00 | 1.66 |
| | | | | Qtz-PH-Mv pegmatite; 15-20% spodumene of | **279607** | 9.33 | 10.83 | 1.50 | 1.52 |
| | | | | variable size crystals locally up to 15cm subpara- | **279608** | 10.83 | 12.33 | 1.50 | 1.39 |
| | | | | llel to CA; weakly altered feldspar as locallized | **279609** | 12.33 | 13.83 | 1.50 | 2.39 |
| | | | | light grey patches in places; minor apatite as | **279610** | BLANK | | | 0.02 |
| | | | | <3mm grains; Fine grained Fsp +muskovite for | **279611** | 13.83 | 15.33 | 1.50 | 1.95 |
| | | | | ~30cm at both contacts; 25cm metasediment | **279612** | 15.33 | 16.83 | 1.50 | 1.99 |
| | | | | xenolith in the last meter. Upper contact at 40 | **279613** | 16.83 | 18.33 | 1.50 | 1.46 |
| | | | | toCA; lower contact at 45 to CA. | **279614** | 18.33 | 19.83 | 1.50 | 1.69 |
| | | | | | **279615** | 19.83 | 20.98 | 1.15 | 1.44 |
| | | | | | **279616** | 20.98 | 21.98 | 1.00 | 0.63 |
| | | | | | | | | | |
| **21.98** | **31.20** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained, massive Fsp-Qtz-Bio | | | | | |
| | | | | (15% bio) metasediment, weak foliation at 70 | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |
| **31.20** | **34.57** | 3.37 | **I1G** | **PEGMATITE** | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Coarse grained, partially altered Fsp-Qtz-SP- | **279617** | 31.20 | 32.20 | 1.00 | 2.02 |
| | | | | PH-Mv pegmatite; ~15% spodumene of variable | **279618** | 32.20 | 33.57 | 1.37 | 1.06 |
| | | | | size crystals oriented at 45 to CA; patchy grey | **279619** | 33.57 | 34.57 | 1.00 | 1.15 |
| | | | | alteration of feldspar; Upper contact at 60 to | **279620** | STANDARD HIGH | | | 1.34 |
| | | | | CA; lower contact at 50 to CA. | | | | | |
| | | | | | | | | | |
| **34.57** | **49.43** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 21.98 to 31.2m. | | | | | |
| | | | | | | | | | |
| **49.43** | **54.72** | 5.29 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained Fsp-Qtz-SP-PH-Mv pegmatite; | **279621** | 49.43 | 50.43 | 1.00 | 0.72 |
| | | | | milky white to smoky grey, weakly altered, feld- | **279622** | 50.43 | 51.93 | 1.50 | 1.52 |
| | | | | spar; ~15% spodumene as <5cm long crystals, | **279623** | 51.93 | 52.93 | 1.00 | 1.06 |
| | | | | in places altered to serpentine like mineral; | **279624** | 52.93 | 53.72 | 0.79 | 1.49 |
| | | | | 2cm Aspy bleb at 54.3m; fine grained feldspar+ | **279625** | 53.72 | 54.72 | 1.00 | 0.55 |
| | | | | yellowish-white muskovite near the lower conta- | | | | | |
| | | | | ct. Both contacts at 70 to CA. | | | | | |
| | | | | | | | | | |
| **54.72** | **82.85** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey Fsp-Qtz-Bio(~15%) | | | | | |
| | | | | massive metasediment, weak foliation at 50 to | | | | | |
| | | | | 65 to CA. | | | | | |
| | | | | 77.24-77.61; medium grained pegmatite dyke, | | | | | |
| | | | | Fsp-Qtz-Mv+/-PH; 3cm garnet aggregate at | | | | | |
| | | | | upper contact, pervasive fine grained yellowish | | | | | |
| | | | | muskovite. Both contacts at 65 to CA. | | | | | |
| | | | | | | | | | |
| **82.85** | **83.95** | 1.10 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Altered Fsp-Qtz-SP+/-PH pegmatite; smoky-grey | **279626** | 82.85 | 83.95 | 1.10 | 0.71 |
| | | | | feldspar in the center of dyke; fine grained, su- | | | | | |
| | | | | gary textured, white at both contacts for ~15- | | | | | |
| | | | | 20cm mixed with fine grained muskovite; ~5%SP | | | | | |
| | | | | as <3cm long crystals. Upper contact at 75 to | | | | | |
| | | | | CA; lower contact at 60 to CA. | | | | | |
| | | | | | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **83.95** | **85.58** | | | **MAFIC METAVOLCANIC** | | | | | |
| | | | | Massive, green, fine grained, 2-6mm biotite po- | | | | | |
| | | | | rphyroblasts (~15% bio), 19cm metasediment | | | | | |
| | | | | at the upper contact with the pegmatite dyke, | | | | | |
| | | | | Upper contact of mafic violcanic at 35 to CA; | | | | | |
| | | | | lower contact at 70 to CA. | | | | | |
| | | | | | | | | | |
| **85.58** | **86.86** | 1.28 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Altered Fsp-Qtz-SP-Mv pegmatite; fine grained | **279627** | 85.58 | 86.86 | 1.28 | 0.76 |
| | | | | feldspar+muskovite in the middle part of the | | | | | |
| | | | | dyke; 5-10% spodumene as relatively small <2cm | | | | | |
| | | | | long crystals. | | | | | |
| | | | | | | | | | |
| **86.86** | **91.80** | | | **MAFIC METAVOLCANIC** | | | | | |
| | | | | Same as 83.95 to 85.58m. | | | | | |
| | | | | 87.69-87.9; 21cm altered Fsp-Qtz-Mv pegmatite | | | | | |
| | | | | dyke, fine grained oriented at 75 to CA. | | | | | |
| | | | | | | | | | |
| **91.80** | **98.55** | 6.75 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, milky white to smoky grey, | **279628** | 91.80 | 92.80 | 1.00 | 0.81 |
| | | | | Fsp-SP-Qtz-Mv+/-PH weakly altered pegmatite; | **279629** | 92.80 | 94.30 | 1.50 | 0.84 |
| | | | | 10-15% spodumene of variable size crystals | **279630** | DUPLICATE | | | 0.73 |
| | | | | oriented at high angle to CA, locally altered; odd apatite | **279631** | 94.30 | 95.90 | 1.60 | 1.61 |
| | | | | 3-5mm size grains, minor tourmaline, 1cm tour- | **279632** | 95.90 | 97.55 | 1.65 | 1.35 |
| | | | | maline veinlet at 97.7m with fine grained apatite | **279633** | 97.55 | 98.55 | 1.00 | 0.66 |
| | | | | fine grained tourmaline along the lower contact. | | | | | |
| | | | | Upper contact at 30 to CA; lower contact at | | | | | |
| | | | | 20 to CA. | | | | | |
| | | | | | | | | | |
| **98.55** | **101.28** | | | **MAFIC METAVOLCANIC** | | | | | |
| | | | | Same as 83.95 to 85.58m. | | | | | |
| | | | | | | | | | |
| **101.28** | **102.45** | 1.17 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Altered, coarse grained Fsp-Qtz+/-PH pegmatite | **279634** | 101.28 | 102.45 | 1.17 | 0.03 |
| | | | | up to 4cm large Fsp(Clevlandite) crystals near | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | the upper contact, fine grained fsp near the | | | | | |
| | | | | lower contact; one speck of Pyrite at 101.7m. | | | | | |
| | | | | Trace apatite and tourmaline. Upper contact at | | | | | |
| | | | | 60 to CA; lower contact at 35 to CA. | | | | | |
| | | | | | | | | | |
| **102.45** | **104.32** | | | **MAFIC METAVOLCANIC** | | | | | |
| | | | | Same as 83.95 to 85.58m. | | | | | |
| | | | | Lower contact sharp at 45 to CA. | | | | | |
| | | | | | | | | | |
| **104.32** | **106.23** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey to bluish-grey, massive | | | | | |
| | | | | Fsp-Qtz-Bio(~5%) metasediment; | | | | | |
| | | | | 105.35-105.53; 18cm pegmatite dyke at 70 to | | | | | |
| | | | | CA, fine to medium grained Fsp-Qtz-Mv | | | | | |
| | | | | Lower contact sharp at 50 to CA. | | | | | |
| | | | | | | | | | |
| **106.23** | **109.80** | | | **MAFIC METAVOLCANIC** | | | | | |
| | | | | Massive, green, fine grained mafic metavolcanic | | | | | |
| | | | | with ~30% biotite porphyroblasts 1-4mm in size, | | | | | |
| | | | | weak foliation in the last meter at 50 to CA. | | | | | |
| | | | | | | | | | |
| **109.80** | **121.14** | 11.34 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, Fsp-SP-Qtz-PH-Mv pegmatite; | **279635** | 109.80 | 110.80 | 1.00 | 0.22 |
| | | | | Fine grained, sugary textured feldspar | **279636** | 110.80 | 112.30 | 1.50 | 1.39 |
| | | | | in the first meter near the upper contact and | **279637** | 112.30 | 113.80 | 1.50 | 1.49 |
| | | | | in the last two meters near the lower contact, | **279638** | 113.80 | 115.30 | 1.50 | 1.02 |
| | | | | mixed with fine grained muskovite. | **279639** | 115.30 | 116.80 | 1.50 | 1.59 |
| | | | | 15-20% spodumene altered in the top half of the | **279640** | STANDARD LOW | | | 0.83 |
| | | | | pegmatite, overall small crystals <5cm in length, | **279641** | 116.80 | 118.30 | 1.50 | 1.56 |
| | | | | feldspar is generally unlatered, odd apatite grains | **279642** | 118.30 | 119.30 | 1.00 | 2.01 |
| | | | | 1-3mm in size. Both contacts at 20 to CA. | **279643** | 119.30 | 120.14 | 0.84 | 0.63 |
| | | | | | **279644** | 120.14 | 121.14 | 1.00 | 0.04 |
| | | | | | | | | | |
| **121.14** | **122.40** | | | **MAFIC METAVOLCANIC** | | | | | |
| | | | | Same as 106.23 to 109.8m. | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Lower contact at 70 to CA. | | | | | |
| | | | | | | | | | |
| **122.40** | **134.28** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, massive Fsp-Qtz-Bio(<5%) | | | | | |
| | | | | metasediment; this unit has been cut by two | | | | | |
| | | | | pegmatite dykes <1m thick as follows: | | | | | |
| | | | | 129.25-129.85; 0.6m sugary textured Fsp-Qtz- | **279645** | 129.25 | 129.85 | 0.60 | 0.06 |
| | | | | Mv pegmatite dyke, odd apatite grains, upper | | | | | |
| | | | | contact at 25 to CA; lower contact at 70 to CA | | | | | |
| | | | | 130.84-131.15; 0.31m altered Fsp-Qtz-Mv peg- | | | | | |
| | | | | matite dyke, fine grained, sugary textured; | | | | | |
| | | | | upper contact at 65 to CA; lower contact at | | | | | |
| | | | | 20 to CA. | | | | | |
| | | | | | | | | | |
| **134.28** | **135.15** | 0.87 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, weakly altered Fsp-SP-Qtz-PH | | | | | |
| | | | | pegmatite dyke with 5-10% spodumene. | **279646** | 134.28 | 135.15 | 0.87 | 1.51 |
| | | | | upper contact at 40 to CA; lower contact at | | | | | |
| | | | | 70 to CA. | | | | | |
| | | | | | | | | | |
| **135.15** | **137.36** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 122.4 to 134.28m. | | | | | |
| | | | | | | | | | |
| **137.36** | **143.60** | 6.24 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, variably altered Fsp-Qtz-SP-PH | **279647** | 137.36 | 138.36 | 1.00 | 1.90 |
| | | | | pegmatite with ~15% spodumene as relatively | **279648** | 138.36 | 139.86 | 1.50 | 1.37 |
| | | | | small 1-3cm crystals, pale green to whitish; | **279649** | 139.86 | 141.36 | 1.50 | 1.76 |
| | | | | 141.7 spodumene altered to yellowish green min. | **279650** | BLANK | | | <100 ppm |
| | | | | 143.0-143.6 white, sugary textured feldspar near | **279651** | 141.36 | 142.60 | 1.24 | 0.31 |
| | | | | lower contact. | **279652** | 142.60 | 143.60 | 1.00 | 0.33 |
| | | | | Upper contact at 40 to CA; lower contact at 75 | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |
| **143.60** | **160.00** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, massive, weakly foliated, | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Fsp-Qtz-Bio metasediment; | | | | | |
| | | | | 146.95-147.08; 13cm pegmatite dyke at 55 to | | | | | |
| | | | | CA; sugary texture Fsp-Qtz+/-Mv. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | **160.00m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.73%/12.65m | 8.33 | 20.98 |
| 1.37%/3.37m | 31.20 | 34.57 |
| 1.37%/3.29m | 50.43 | 53.72 |
| 1.20%/5.75m | 91.80 | 97.55 |
| 1.48%/8.50m | 110.80 | 119.30 |
| 1.65/4.00m | 137.36 | 141.36 |

**LITHIUM ONE INC..**

Property : James Bay Lithium

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DDH # : | **JBL09-17** | | | Start : | 4-jul-09 | Drilled by : | Chibougamau |
| Azimuth : | 110° | LOCATION | UTM | End : | 5-jul-09 | | Diamond Drilling |
| Dip: | -60° | 358723 | mE | | | Logged by : | A.Peshkepia |
| Elevation: | 224m | 5789354 | mN | | | **Verified by:** | **AJMc** on July 8th, 2009 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **1.50** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **1.50** | **5.05** | | | **MAFIC METAVOLCANIC** | | | | | |
| | | | | Green, massive, fine grained mafic volcanic, | | | | | |
| | | | | ~25% biotite porphyroblasts 1-4mm in size, | | | | | |
| | | | | weak foliation at 55 to CA. | | | | | |
| | | | | | | | | | |
| **5.05** | **8.83** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained, massive Fsp-Qtz-Bio | **279653** | 5.25 | 5.67 | 0.42 | 0.32 |
| | | | | metasediment, weak foliation at 65 to CA; | | | | | |
| | | | | cut be several short pegmatite dykes: | | | | | |
| | | | | 5.25-5.67; 0.42m fine grained, sugary texture | | | | | |
| | | | | Fsp-Qtz+/-SP pegmatite dyke, UC at 70, LC at | | | | | |
| | | | | 80 to CA. | | | | | |
| | | | | 5.96-6.10; Altered Fsp-Qtz+/-Mv pegmatite | | | | | |
| | | | | dyke at 70 to CA. | | | | | |
| | | | | 6.19-6.27; smoky grey massive Fsp at 75 to CA | | | | | |
| | | | | 7.86-7.97; fine grained, Fsp-Qtz+/-SP pegmatite | | | | | |
| | | | | dyke at 75 to CA. | | | | | |
| | | | | | | | | | |
| **8.83** | **13.29** | 4.46 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarese grained, weakly altered Fsp-Qtz-SP-PH | **279654** | 8.83 | 9.83 | 1.00 | 1.36 |
| | | | | pegmatite with 5-10% spodumene as 1-3cm long | **279655** | 9.83 | 11.00 | 1.17 | 1.47 |
| | | | | crystals. Upper contact at 60 to CA; lower | **279656** | 11.00 | 12.29 | 1.29 | 1.48 |
| | | | | contact at 90 to CA. | **279657** | 12.29 | 13.29 | 1.00 | 1.32 |
| | | | | | | | | | |
| **13.29** | **20.47** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Massive, grey, fine grained Fsp-Qtz-bio(~5%) | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | metasediment, weak foliation at 75 to CA. | | | | | |
| | | | | | | | | | |
| **20.47** | **26.22** | 5.75 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, FSp-Qtz-SP-PH pegmatite; | **279658** | 20.47 | 21.47 | 1.00 | 0.50 |
| | | | | ~15% spodumene in places, (at 22.7 ad 24.0m) | **279659** | 21.47 | 22.97 | 1.50 | 1.06 |
| | | | | altered to dark green serpentine like mineral | **279660** | STANDARD HIGH | | | 1.26 |
| | | | | Feldspar locally altered to dark grey patches; | **279661** | 22.97 | 24.14 | 1.17 | 0.66 |
| | | | | Aspy blebs at 23.4m. Upper contact at 60 to CA | **279662** | 24.14 | 25.22 | 1.08 | 1.22 |
| | | | | lower contact at 75 to CA. | **279663** | 25.22 | 26.22 | 1.00 | 1.53 |
| | | | | | | | | | |
| **26.22** | **80.52** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 13.29 to 20.47m. | | | | | |
| | | | | This section has been cut by several short <0.5 | | | | | |
| | | | | m pegmatite dykes; | | | | | |
| | | | | 26.58-26.8; Altered fsp-Qtz-Mv pegmatite dyke | | | | | |
| | | | | at 60 to CA; | | | | | |
| | | | | 28.85-29.22; fine grained, altered Fsp-Qtz-Mv | | | | | |
| | | | | pegmatite dyke, upper contact at 40, lower | | | | | |
| | | | | contact at 60 to CA; | | | | | |
| | | | | 50.98-51.23; Altered Fsp-Qtz-Mv pegmatite | | | | | |
| | | | | dyke at 70 to CA; | | | | | |
| | | | | 76.04-76.39; sugary textured, altered Fsp-Qtz- | | | | | |
| | | | | Mv pegmatite dyke, specks of tourmaline and | | | | | |
| | | | | apatite, oriented at 60 to CA; | | | | | |
| | | | | specks of pyrite from 77.0 to 78.0m in metased. | | | | | |
| | | | | 79.78-80.15; altered Fsp-Qtz-Mv pegmatite | | | | | |
| | | | | upper contact at 40, lower contact at 55 to CA. | | | | | |
| | | | | | | | | | |
| **80.52** | **81.12** | 0.60 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, altered Fsp-Qtz-SP-Mv pegma- | **279664** | 80.52 | 81.12 | 0.60 | 1.20 |
| | | | | tite dyke, 15-20% whitish, 1-3cm long spodu- | | | | | |
| | | | | mene crystals; pathcy dark grey alteration of | | | | | |
| | | | | feldspar. Upper contact at 60 to CA; lower | | | | | |
| | | | | contact at 30 to CA. | | | | | |
| | | | | | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **81.12** | **85.27** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 13.29 to 20.47m. Weak foliation at 30 | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |
| **85.27** | **85.75** | 0.48 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Fine to medium grained Fsp-Qtz pegmatite dyke, | **279665** | 85.27 | 85.75 | 0.48 | 0.17 |
| | | | | odd 5mm garnet, no visible spodumene. Both | | | | | |
| | | | | contacts at 30 to CA. | | | | | |
| | | | | | | | | | |
| **85.75** | **86.46** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 13.29 to 20.47m. | | | | | |
| | | | | 12cm pegmatite dyke at 86.0m, Fsp-Qtz+/-SP; | | | | | |
| | | | | oriented at 90 to CA. | | | | | |
| | | | | | | | | | |
| **86.46** | **87.03** | 0.57 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, weakly altered Fsp-Qtz-SP | **279666** | 86.46 | 87.03 | 0.57 | 1.79 |
| | | | | paegmatite dyke, sugary texture at both conta- | | | | | |
| | | | | cts; ~5% whitish-pale green spodumene 1-3cm | | | | | |
| | | | | crystals. Upper contact at 65 to CA; lower | | | | | |
| | | | | contact at 50 to CA. | | | | | |
| | | | | | | | | | |
| **87.03** | **89.22** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey to bluish-grey, massive Fsp- | | | | | |
| | | | | Qtz-Bio(<5%) metasediment. | | | | | |
| | | | | | | | | | |
| **89.22** | **93.15** | 3.93 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, altered Fsp-SP-Qtz-Mv pegma- | **279667** | 89.22 | 90.22 | 1.00 | 0.70 |
| | | | | tite; medium to dark grey patchy alteration of | **279668** | 90.22 | 91.22 | 1.00 | 2.20 |
| | | | | fsp; 15-20% spodumene as <5cm long yellowish- | **279669** | 91.22 | 92.15 | 0.93 | 1.80 |
| | | | | white crystals. Upper contact at 55 to CA; | **279670** | DUPLICATE | | | 1.83 |
| | | | | lower contact at 70 to CA. | **279671** | 92.15 | 93.15 | 1.00 | 1.72 |
| | | | | | | | | | |
| **93.15** | **94.52** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 87.03 to 89.22m; foliation at 80 to CA. | | | | | |
| | | | | | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **94.52** | **99.20** | 4.68 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, weakly altered Fsp-SP-Qtz-PH- | **279672** | 94.52 | 95.52 | 1.00 | 1.47 |
| | | | | Mv pegmatite; ~20% spodumene as <3cm long | **279673** | 95.52 | 97.02 | 1.50 | 1.65 |
| | | | | crystals; pervasive fine grained muskovite; | **279674** | 97.02 | 98.20 | 1.18 | 1.22 |
| | | | | odd apatite grain 2-3mm in size; | **279675** | 98.20 | 99.20 | 1.00 | 1.03 |
| | | | | upper contact at 70 to CA; lower contact at 45 | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |
| **99.20** | **113.47** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Same as 87.03 to 89.22m; foliation at 50 to CA. | | | | | |
| | | | | three short pagmatites were intersected at: | | | | | |
| | | | | 106.21-106.91; 0.7m fine grained, Fsp-Qtz-SP- | **279676** | 106.21 | 106.91 | 0.70 | 0.76 |
| | | | | Mv pegmatite dyke, ~5-10% SP.Upper contact | | | | | |
| | | | | at 70 to CA; lower contact at 60 to CA; | | | | | |
| | | | | 107.8-108.32; 0.52m Fsp-Qtz-SP+/-Mv pegmati- | **279677** | 107.80 | 108.32 | 0.52 | 0.68 |
| | | | | te dyke; ~5% spodumene; upper contact at 65 | | | | | |
| | | | | to CA; lower contact at 60 to CA; | | | | | |
| | | | | 109.61-109.89; 0.28m pegmatite dyke, altered | | | | | |
| | | | | fsp-Qtz-SP dyke; 5% spodumene, oriented at | | | | | |
| | | | | 55 to CA. | | | | | |
| | | | | | | | | | |
| **113.47** | **117.12** | 3.65 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coare grained, weakly altered Fsp-SP-Qtz-PH- | **279678** | 113.47 | 114.47 | 1.00 | 1.33 |
| | | | | Mv pegmatite dyke with 15-20% spodumene, | **279679** | 114.47 | 116.12 | 1.65 | 2.14 |
| | | | | pale green to yellowish green 8-10cm long crys- | **279680** | STANDARD LOW | | | 0.84 |
| | | | | tals; milky white to locally light grey altered | **279681** | 116.12 | 117.12 | 1.00 | 1.48 |
| | | | | feldspar; odd tourmaline grain 1-3mm in size. | | | | | |
| | | | | Both contacts at 80 to CA. | | | | | |
| | | | | | | | | | |
| **117.12** | **118.62** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 87.03 to 89.22m. | | | | | |
| | | | | | | | | | |
| **118.62** | **121.70** | 3.08 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Milky white, coarse grained Fsp-SP-Qtz-Mv+/- | **279682** | 118.62 | 119.62 | 1.00 | 1.60 |
| | | | | PH pegmatite; 5-10% spodumene; weakly alt- | **279683** | 119.62 | 120.70 | 1.08 | 1.22 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ered, fine grained sugary textured feldspar+mus- | **279684** | 120.70 | 121.70 | 1.00 | 1.13 |
| | | | | kovite at both contacts; | | | | | |
| | | | | 15cm metasediment xenolith at 118.8-118.95m | | | | | |
| | | | | Upper contact of pegmatite at 70 to CA; lower | | | | | |
| | | | | contact at 50 to CA. | | | | | |
| | | | | | | | | | |
| **121.70** | **124.95** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, bluish-grey, massive Fsp-Qtz-Bio | | | | | |
| | | | | metasediment; | | | | | |
| | | | | 124.15-124.33; semimassive fine grained pyrho- | | | | | |
| | | | | tite vein (~30% Po), non-magnetic, specks of | | | | | |
| | | | | chalcopyrite, oriented at 50 to CA. | | | | | |
| | | | | | | | | | |
| **124.95** | **125.85** | 0.90 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Altered Fsp-Qtz+/-MV pegmatite dyke; patchy | **279685** | 124.95 | 125.85 | 0.90 | 0.08 |
| | | | | grey alteration of feldspar; fine grained sugary | | | | | |
| | | | | texture fsp; 25cm metasediment xenolith. | | | | | |
| | | | | Upper contact at 35 to CA; lower contact at | | | | | |
| | | | | 70 to CA. | | | | | |
| | | | | | | | | | |
| **125.85** | **141.45** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 121.7 to 124.95m. | | | | | |
| | | | | 138.47-138.77; 0.3m altered, fine grained | | | | | |
| | | | | Fsp-Qtz pegmatite dyke at 55 to CA; | | | | | |
| | | | | 139.96-140.45; 0.49m altered Fsp-Qtz-Mv peg- | **279686** | 139.96 | 140.45 | 0.49 | 0.30 |
| | | | | matite dyke, no visible spodumene, oriented | | | | | |
| | | | | at 70 to CA. | | | | | |
| | | | | | | | | | |
| **141.45** | **143.08** | 1.63 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Altered, sugary textured Fsp-Qtz-Mv-SP peg- | **279687** | 141.45 | 143.08 | 1.63 | 1.03 |
| | | | | matite dyke; ~5% spodumene, 2-3cm in size. | | | | | |
| | | | | 142.24-142.52; micaceous metasediment xeno- | | | | | |
| | | | | lith at 50 to CA; ~10% silvery white 10mm | | | | | |
| | | | | long white mica(?) crystals. | | | | | |
| | | | | Both contacts at 60 to CA. | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **143.08** | **144.37** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 121.7 to 124.95m. | | | | | |
| | | | | | | | | | |
| **144.37** | **146.00** | 1.63 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, altered Fsp-Qtz+/-SP+/-PH | **279688** | 144.37 | 146.00 | 1.63 | 0.53 |
| | | | | pegmatite dyke; 2-3% spodumene, dark grey | | | | | |
| | | | | altered feldspar; | | | | | |
| | | | | 145.0-145.7; 0.7m massive quartz. | | | | | |
| | | | | Upper contact at 25 to CA; lower contact at 90 | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |
| **146.00** | **147.09** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 121.7 to 124.95m. | | | | | |
| | | | | | | | | | |
| **147.09** | **154.38** | 7.29 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, locally altered Fsp-Qtz-SP-Mv- | **279689** | 147.09 | 148.09 | 1.00 | 0.87 |
| | | | | PH pegmatite; 10% spodumene of variable size | **279690** | BLANK | | | <100 ppm |
| | | | | crystals; three metasediment xenoliths of 25cm | **279691** | 148.09 | 149.59 | 1.50 | 1.64 |
| | | | | each at 149.74m, 150.73m and 153.13m. | **279692** | 149.59 | 151.09 | 1.50 | 1.03 |
| | | | | fine grained ascicular white mica(?) ~10% in | **279693** | 151.09 | 152.09 | 1.00 | 0.86 |
| | | | | xenoliths, oriented at 60-70 to CA. | **279694** | 152.09 | 153.38 | 1.29 | 1.08 |
| | | | | Upper contact of pegmatite at 90 to CA; lower | **279695** | 153.38 | 154.38 | 1.00 | 0.86 |
| | | | | contact at 70 to CA. | | | | | |
| | | | | | | | | | |
| **154.38** | **156.56** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 121.7 to 124.95m. | | | | | |
| | | | | | | | | | |
| **156.56** | **158.01** | 1.45 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coare grained, altered Fsp-Qtz+/-SP+/-PH | **279696** | 156.56 | 158.01 | 1.45 | 0.28 |
| | | | | pegmatite, odd tourmaline speck; 1-3% spodu- | | | | | |
| | | | | mene; dark grey altered feldspar; upper contact | | | | | |
| | | | | at 70 to CA; lower contact at 80 to CA. | | | | | |
| | | | | | | | | | |
| **158.01** | **171.00** | | **M2** | **METASEDIMENT** | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Fine grained, massive, grey Fsp-Qtz-Bio(5-10%) | | | | | |
| | | | | metasediment. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | **171.00m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.41%/4.46m | 8.83 | 13.29 |
| 1.10%/4.75m | 21.47 | 26.22 |
| 1.91%/2.93m | 90.22 | 93.15 |
| 1.37%/4.68m | 94.52 | 99.20 |
| 1.74%/3.65m | 113.47 | 117.12 |
| 1.32%/3.08m | 118.62 | 121.70 |
| 1.10%/7.29m | 147.09 | 154.38 |

LITHIUM ONE INC
Property : James Bay Lithium

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DDH # : | **JBL09-18** | | Start : | 6-jul-09 | Drilled by : | | Chibougamau |
| Azimuth : | 110° | LOCATION UTM | End : | 7-jul-09 | | | Diamond Drilling |
| Dip: | -60° | 358655 mE | | | Logged by : | | A.Peshkepia |
| Elevation: | 226m | 5789367 mN | | | **Verified by:** | **AJMc** | on July 9th,2009 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **2.00** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **2.00** | **15.87** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, massive Fsp-Qtz-Bio (5%) | | | | | |
| | | | | metasediment. | | | | | |
| | | | | | | | | | |
| **15.87** | **20.28** | 4.41 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, weakly altered Fsp-Qtz-SP-PH | **279697** | 15.87 | 16.87 | 1.00 | 0.64 |
| | | | | pegmatite; minor tourmaline; light grey feldspar | **279698** | 16.87 | 18.07 | 1.20 | 2.71 |
| | | | | 10-15% spodumene as 1-4cm crystals; fine | **279699** | 18.07 | 19.28 | 1.21 | 2.58 |
| | | | | grained tourmaline in the first meter near the | **279700** | STANDARD LOW | | | 0.81 |
| | | | | upper contact; spodumene is fresh as pale green | **279701** | 19.28 | 20.28 | 1.00 | 2.12 |
| | | | | crystals; few apatite grains 1-2mm in size. | | | | | |
| | | | | Upper contact at 50 to CA; lower contact at 90 | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |
| **20.28** | **20.66** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 2.0 to 15.87m. | | | | | |
| | | | | | | | | | |
| **20.66** | **23.98** | 3.32 | | **MAFIC METAVOLCANIC** | | | | | |
| | | | | Dark green, fine grained, massive mafic metavol- | | | | | |
| | | | | canic with ~25% biotite as porphyroblasts1-4 | | | | | |
| | | | | mm in size. Both contacts at 90 to CA. | | | | | |
| | | | | | | | | | |
| **23.98** | **24.30** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 2.0 to 15.87m. | | | | | |
| | | | | | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **24.30** | **26.15** | 1.85 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Medium to coarse grained Fsp-Qtz-SP-+/-PH | **279702** | 24.30 | 25.20 | 0.90 | 1.36 |
| | | | | pegmatite; pathcy dark grey altered feldspar; | **279703** | 25.20 | 26.15 | 0.95 | 0.23 |
| | | | | 5-10% spodumene 1-3cm in size concentrated | | | | | |
| | | | | at the center of dyke. Fine grained, sugary tex- | | | | | |
| | | | | tured feldspar plus minor muskovite for ~ 10cm | | | | | |
| | | | | at both contacts. Upper contact at 50 to CA; | | | | | |
| | | | | lower contact at 70 to CA. | | | | | |
| | | | | | | | | | |
| **26.15** | **30.69** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, massive, weakly foliated at | | | | | |
| | | | | 80 to CA, Fsp-Qtz-Bio (<5%) metasediment; | | | | | |
| | | | | cut by several 2-5cm thick pegmatite dyklets | | | | | |
| | | | | oriented at 90 to CA. | | | | | |
| | | | | | | | | | |
| **30.69** | **31.22** | 0.53 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Fine to medium grained, altered Fsp-Qtz+/-SP | **279704** | 30.69 | 31.22 | 0.53 | 0.37 |
| | | | | pegmatite dyke; trace apatite and tourmaline. | | | | | |
| | | | | Upper contact at 55 to CA; lower contact at 40 | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |
| **31.22** | **33.17** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 26.15 to 30.69m. | | | | | |
| | | | | | | | | | |
| **33.17** | **36.57** | 3.40 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, weakly altered FSp-Qtz-SP-PH- | **279705** | 33.17 | 34.17 | 1.00 | 1.65 |
| | | | | Mv pegmatite dyke with 10% spodumene, minor | **279706** | 34.17 | 35.57 | 1.40 | 1.98 |
| | | | | apatite, patchy, grey, altered feldspar; fine | **279707** | 35.57 | 36.57 | 1.00 | 0.40 |
| | | | | grained, yellowish-white muskovite. Upper cont- | | | | | |
| | | | | act at 90 to CA; lower contact at 20 to CA. | | | | | |
| | | | | | | | | | |
| **36.57** | **57.36** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, massive, medium grey Fsp-Qtz-Bio | | | | | |
| | | | | metasediment, weak foliation at 60 to CA at | | | | | |
| | | | | 46.0m; foliation parallel to CA from 48.5 to 49.5 | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | m; at 52.0m foliation at 90 to CA; | | | | | |
| | | | | 55.82-56.22 0.5m pegmatite dyke at 90 to CA, | **279708** | 55.82 | 56.22 | 0.40 | 0.09 |
| | | | | fine grained sugary textured, altered Fsp-Qtz- | | | | | |
| | | | | Mv pegmatite, no visible spodumene. | | | | | |
| | | | | | | | | | |
| **57.36** | **58.15** | 0.79 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Altered, medium grained Fsp-Qtz-SP+/-Mv peg- | **279709** | 57.36 | 58.15 | 0.79 | 0.52 |
| | | | | matite dyke at 90 to CA; | **279710** | DUPLICATE | | | 0.46 |
| | | | | 57.5-57.83; 0.33m metasediment xenolith, mica- | | | | | |
| | | | | ceous near both contacts with the pegmatite, | | | | | |
| | | | | oriented at 80 to CA; | | | | | |
| | | | | ~5% spodumene as 1-2cm crystals. Lower con- | | | | | |
| | | | | tact at 30 to CA. | | | | | |
| | | | | | | | | | |
| **58.15** | **61.55** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 36.57 to 57.36m. | | | | | |
| | | | | 59.63-60.13; 0.5m pegmatite dyke medium gra- | **279711** | 59.63 | 60.13 | 0.50 | 1.17 |
| | | | | ined, altered Fsp-Qtz-SP; ~5% spodumene; | | | | | |
| | | | | upper contact at 30 to CA; lower contact at 60 | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |
| **61.55** | **68.06** | 6.51 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Variably altered, medium to coarse grained, Fsp- | **279712** | 61.55 | 62.55 | 1.00 | 1.38 |
| | | | | Qtz-SP+/-PH+/-Mv pegmatite; 10-15% spodu- | **279713** | 62.55 | 64.05 | 1.50 | 0.69 |
| | | | | mene, pale green, locally altered to serpentine | **279714** | 64.05 | 65.55 | 1.50 | 1.54 |
| | | | | like mineral. | **279715** | 65.55 | 67.05 | 1.50 | 1.31 |
| | | | | 61.55-62.55 fine grained, sugary textured feld- | **279716** | 67.05 | 68.06 | 1.01 | 1.21 |
| | | | | spar plus fine grained muskovite, ~3% spodume- | | | | | |
| | | | | ne; | | | | | |
| | | | | 62.55-62.85; metasediment xenolith at 70 to CA | | | | | |
| | | | | 63.16-63.34; micaceous metasediment xenolith, | | | | | |
| | | | | fine grained, white mica(?), same at 65.38-65.55 | | | | | |
| | | | | ~15% 1-2mm grains of white mica. | | | | | |
| | | | | Upper contact of pegmatite at 60 to CA; lower | | | | | |
| | | | | contact at 55 to CA. | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **68.06** | **71.50** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, massive Fsp-Qtz-Bio | | | | | |
| | | | | (5-10%Bio) metasediment | | | | | |
| | | | | 69.76-70.18; 0.42m pegmatite dyke Fsp-Qtz-SP | **279717** | 69.76 | 70.18 | 0.42 | 2.35 |
| | | | | Mv, weakly altered; 3-5% spodumene. Both | | | | | |
| | | | | contacts at 70 to CA. | | | | | |
| | | | | | | | | | |
| **71.50** | **78.90** | 7.40 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, variably altered, Fsp-Qtz-SP-PH | **279718** | 71.50 | 72.50 | 1.00 | 0.97 |
| | | | | Mv pegmatite with 10-15% spodumene as <5cm | **279719** | 72.50 | 74.00 | 1.50 | 1.68 |
| | | | | long crystals; sugary textured feldspar mixed | **279720** | STANDARD LOW | | | 0.78 |
| | | | | with fine grained muskovite from 76.5 to 78.0m; | **279721** | 74.00 | 75.50 | 1.50 | 1.70 |
| | | | | upper contact at 90 to CA; lower contact at | **279722** | 75.50 | 76.80 | 1.30 | 1.67 |
| | | | | 45 to CA. | **279723** | 76.80 | 77.90 | 1.10 | 0.93 |
| | | | | | **279724** | 77.90 | 78.90 | 1.00 | 0.58 |
| **78.90** | **119.24** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, massive, bluish-grey, weakly folia- | | | | | |
| | | | | ted at 50 to CA, Fsp-Qtz-Bio(<5%) metasedi- | | | | | |
| | | | | ment; | | | | | |
| | | | | 99.44-99.61; 17cm medium grained, altered | | | | | |
| | | | | Fsp-Qtz+/-garnet pegmatite dyke at 65 to CA. | | | | | |
| | | | | 108.54-108.88;0.34m Fsp-Qtz-Mv+/-SP, smoky | | | | | |
| | | | | grey, sugary textured pegmatite; upper contact | | | | | |
| | | | | at 90 to CA; lower contact at 80 to CA. | | | | | |
| | | | | | | | | | |
| **119.24** | **119.73** | 0.49 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Medium to coarse grained, smoky grey Fsp-Qtz | **279725** | 119.24 | 119.73 | 0.49 | 0.03 |
| | | | | pegmatite, no visible spodumene. Upper contact | | | | | |
| | | | | at 15 to CA; lower contact at 90 to CA. | | | | | |
| | | | | | | | | | |
| **119.73** | **125.64** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained, Fsp-Qtz-Bio (~10%) | | | | | |
| | | | | moderately foliated metasediment. Foliation | | | | | |
| | | | | subparallel to CA, 5-30 to CA. | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **125.64** | **126.87** | 1.23 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Medium to coarse grained, patchy dark grey, al- | **279726** | 125.64 | 126.87 | 1.23 | 0.28 |
| | | | | tered feldspar, Fsp-Qtz-SP+/-Mv pegmatite; | | | | | |
| | | | | ~5% spodumene in relatively small <3cm grains; | | | | | |
| | | | | sugary textured fsp near both contacts. Upper | | | | | |
| | | | | contact at 70 to AC; lower contact at 65 to CA. | | | | | |
| | | | | | | | | | |
| **126.87** | **138.00** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 119.73-125.64m | | | | | |
| | | | | 134.07-134.29; Altered Fsp-Qtz+/-Mv pegmatite | | | | | |
| | | | | dyke at 60 to CA. | | | | | |
| | | | | | | | | | |
| **138.00** | **139.57** | 1.57 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Milky white fine grained, sugary textured feld- | **279727** | 138.00 | 139.57 | 1.57 | 0.39 |
| | | | | spar with dark grey alteration patches Fsp-Qtz- | | | | | |
| | | | | SP+/-Mi pegmatite; 5% spodumene. | | | | | |
| | | | | 138.96-139.11; metasediment xenolith, upper | | | | | |
| | | | | contact at 40 to CA; lower contact at 60 to CA. | | | | | |
| | | | | Upper contact of pegmatite at 40 to CA; lower | | | | | |
| | | | | contact at 60 to CA. | | | | | |
| | | | | | | | | | |
| **139.57** | **140.45** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 119.73 to 125.64m. | | | | | |
| | | | | | | | | | |
| **140.45** | **147.24** | 6.79 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Milky white, coarse grained Fsp-Qtz-SP-PH-Mv | **279728** | 140.45 | 141.45 | 1.00 | 1.26 |
| | | | | pegmatite with ~15% spodumene as 1-3cm long | **279729** | 141.45 | 142.95 | 1.50 | 1.26 |
| | | | | crystals, odd >5cm long crystal; feldsapr is | **279730** | BLANK | | | <100 ppm |
| | | | | alterted to dark grey patches for ~1m near both | **279731** | 142.95 | 144.45 | 1.50 | 1.64 |
| | | | | contacts. Upper contact at 70 to CA; lower | **279732** | 144.45 | 145.30 | 0.85 | 1.18 |
| | | | | contact at 60 to CA. | **279733** | 145.30 | 146.24 | 0.94 | 1.52 |
| | | | | | **279734** | 146.24 | 147.24 | 1.00 | 1.10 |
| | | | | | | | | | |
| **147.24** | **155.58** | | **M1** | **METASEDIMENT** | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Fine grained, grey, massive Fsp-Qtz-Bio meta- | | | | | |
| | | | | sediment, intersected by numerous <0.5m thick | | | | | |
| | | | | pegmatite dykes as follows: | | | | | |
| | | | | 148.57-148.83; 0.26m Fsp-Qtz pegmatite dyke | | | | | |
| | | | | with dark grey alteration patches of feldspar, | | | | | |
| | | | | oriented at 65 to CA; | | | | | |
| | | | | 151.54-152.09; 0.55m Fsp-Qtz-SP pegmatite | **279735** | 151.54 | 152.09 | 0.55 | 1.73 |
| | | | | dyke, ~5% spodumene, pale green to white as | | | | | |
| | | | | 1-10cm long crystals, upper contact at 30 to CA | | | | | |
| | | | | lower contact at 50 to CA; | | | | | |
| | | | | 152.44-152.57; 13cm Fsp-Qtz pegmatite dyke, | | | | | |
| | | | | upper contact at 75 to CA, lower contact at 40; | | | | | |
| | | | | 154.62-154.94; 0.32m altered Fsp-Qtz-SP peg- | **279736** | 154.62 | 154.94 | 0.32 | 0.51 |
| | | | | matite dyke; 2-3% spodumene as 1-2cm long | | | | | |
| | | | | crystals; upper contact at 90 to CA; lower con- | | | | | |
| | | | | tact at 70 to CA. | | | | | |
| | | | | | | | | | |
| | | | | **155.58m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 2.49%/3.41m | 16.87 | 20.28 |
| 1.84%/2.40m | 33.17 | 35.57 |
| 1.00%/6.54m | 61.55 | 68.09 |
| 1.44%/6.40m | 71.50 | 77.90 |
| 1.35%/6.79m | 140.45 | 147.24 |

LITHIUM ONE INC.
Property : James Bay Lithium

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DDH # : | **JBL09-19** | | Start : | 7-jul-09 | Drilled by : | | Chibougamau |
| Azimuth : | 110° | LOCATION UTM | End : | 8-jul-09 | | | Diamond Drilling |
| Dip: | -60° | 358637 mE | | | Logged by : | | A.Peshkepia |
| Elevation: | 230m | 5789331 mN | | | Verified by: | **AJMc** | Jan20th,2010 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **0.90** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **0.90** | **2.30** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, massive Fsp-Qtz+/-Bio, foli- | | | | | |
| | | | | ation at 65 to CA; lower contact sharp at 45 | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |
| **2.30** | **6.12** | 3.82 | | **QFP** | | | | | |
| | | | | Medium grey, massive, fine grained QFP with | | | | | |
| | | | | 1-4mm feldspar phenocrysts in a fine grained | | | | | |
| | | | | matrix with 5-105 interstitial fine grained biotite; | | | | | |
| | | | | 5cm pegmatite dyke at 5.25m oriented at 65 to | | | | | |
| | | | | CA. | | | | | |
| | | | | Lower contact sharp at 90 to CA. | | | | | |
| | | | | | | | | | |
| **6.12** | **9.88** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 0.9 to 2.3m. | | | | | |
| | | | | 8.24-8.65; 0.41m pegmatite dyke at 70 to CA; | **279737** | 8.24 | 8.65 | 0.41 | 0.33 |
| | | | | altered feldspar, quartz, muskovite, fine grained | | | | | |
| | | | | altered spodumene(?) | | | | | |
| | | | | | | | | | |
| **9.88** | **11.42** | 1.54 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Altered, coarse grained Fsp-Qtz-SP-Mv pegma- | **279738** | 9.88 | 11.42 | 1.54 | 1.04 |
| | | | | tite; dark grey patches of altered feldspar for | | | | | |
| | | | | ~40cm near the upper contact, minor 1-3% SP, | | | | | |

LITHOLOGY

| From | To | Length | Rock | Description | Sample # | From | To | Length | $Li_2O$ |
|---|---|---|---|---|---|---|---|---|---|
| | | (m) | Code | | | | | (m) | (%) |
| | | | | as coarse 5-8cm crystals. Finner grained spodu- | | | | | |
| | | | | mene is altered to serpentine like mieral. | | | | | |
| | | | | 1cm subhedral brown mineral, hematite(?) at | | | | | |
| | | | | 11.0m. Fine grained, sugary textured feldspar | | | | | |
| | | | | for ~15cm at lower contact. Upper contact at | | | | | |
| | | | | 45 to CA; lower contact at 75 to CA. | | | | | |
| | | | | | | | | | |
| **11.42** | **13.04** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium to dark grey, massive, fine grained, | | | | | |
| | | | | Fsp-Qtz-Bio (<5%) metasediment; weak foliation | | | | | |
| | | | | at 70 to CA. | | | | | |
| | | | | | | | | | |
| **13.04** | **15.63** | 2.59 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Fine grained, sugary textured feldspar mixed with | **279739** | 13.04 | 14.24 | 1.20 | 0.44 |
| | | | | fine grained muskovite. Few large fsp grains | **279740** | STANDARD-HIGH | | | 1.26 |
| | | | | altered to smoky grey; ~5% spodumene as small | **279741** | 14.24 | 15.63 | 1.39 | 0.39 |
| | | | | <2cm crystals, minor tourmaline and apatite. | | | | | |
| | | | | Metasediment xenoliths from 13.9 to 14.12 | | | | | |
| | | | | and from 14.30-14.39m. | | | | | |
| | | | | Upper contact at at 50 to CA; lower contact at | | | | | |
| | | | | 70 to CA. | | | | | |
| | | | | | | | | | |
| **15.63** | **16.33** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 11.42 to 13.04m. | | | | | |
| | | | | | | | | | |
| **16.33** | **18.03** | 1.70 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Milky white, fine grained, sugary textured Fsp- | **279742** | 16.33 | 17.23 | 0.90 | 0.05 |
| | | | | Mv pegmatite; weak banding from upper contact | **279743** | 17.23 | 18.03 | 0.80 | 0.14 |
| | | | | to 17.2m; alternating milky white albite rich, | | | | | |
| | | | | aplitic bands with sugary textured Fsp-Mv bands | | | | | |
| | | | | Minor spodumene (1-3%SP) as isolated 1-3cm | | | | | |
| | | | | crystals, minor fine grained phlogopite; ~15% | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | fine grained muskovite. Both contacts at 40 to | | | | | |
| | | | | CA. | | | | | |
| | | | | | | | | | |
| **18.03** | **26.65** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, massive Fsp-Qtz-Bio metase- | | | | | |
| | | | | diment. | | | | | |
| | | | | 20.33-21.26; massive quart vein at 30 to CA, | | | | | |
| | | | | with fracture filling biotite veinlets. | | | | | |
| | | | | | | | | | |
| **26.65** | **34.28** | 7.63 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained Fsp-Qtz-SP-PH pegmatite. Weak | **279744** | 26.65 | 27.65 | 1.00 | 0.93 |
| | | | | to moderate calcic alteration of feldspar; 20-25% | **279745** | 27.65 | 29.15 | 1.50 | 1.37 |
| | | | | spodumene as crystals of variable size, narrow | **279746** | 29.15 | 30.65 | 1.50 | 1.36 |
| | | | | sections of massive spodumene at 27.7m and | **279747** | 30.65 | 32.15 | 1.50 | 1.77 |
| | | | | 30.7m; few spodumene crystals are altered to | **279748** | 32.15 | 33.28 | 1.13 | 1.58 |
| | | | | dark green serpentine(?) at 33.6m; ~5% fine | **279749** | 33.28 | 34.28 | 1.00 | 1.15 |
| | | | | grained muskovite. Upper contact at 65 to CA; | **279750** | DUPLICATE | | | 1.02 |
| | | | | lower contact at 60 to CA. | **279750rp** | DUPLICATE | | | 1.08 |
| | | | | | | | | | |
| **34.28** | **45.10** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, massive Fsp-Qtz-Bio (5-7%) | | | | | |
| | | | | metasediment. Weak foliation at 70 to CA; | | | | | |
| | | | | intersected by several thin pegmatite dykes: | | | | | |
| | | | | 35.47-35.72; 25cm altered, Fsp-Qtz-Mv pegma- | | | | | |
| | | | | tite dyke at 70 to CA, no visible spodumene. | | | | | |
| | | | | 38.32-38.42; 10cm Fsp-Qtz pegmatite dyke, | | | | | |
| | | | | fresh, milky white, at 55 to CA. | | | | | |
| | | | | 41.51-41.60; Fine grained, Fsp-Qtz pegmatite | | | | | |
| | | | | dyke at 65 to CA. | | | | | |
| | | | | | | | | | |
| **45.10** | **47.03** | 1.93 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, altered Fsp-SP-Qtz-PH+/-Mv | **279751** | 45.10 | 46.10 | 1.00 | 0.95 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | pegmatite; patchy, dark grey, calcic alteration | **279752** | 46.10 | 47.03 | 0.93 | 1.22 |
| | | | | of feldspar; 10-15% spodumene as <5cm long | | | | | |
| | | | | crystals. Few spodumene grains partially altered | | | | | |
| | | | | to serpentine (?); 3mm Aspy speck at upper | | | | | |
| | | | | contact. Upper contact at 70 to CA; lower | | | | | |
| | | | | contact at 60 to CA. | | | | | |
| | | | | | | | | | |
| **47.03** | **59.05** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 34.28 to 45.1m. Several pegmatite | | | | | |
| | | | | dykes 5-20cm thick intersect this unit as follows | | | | | |
| | | | | 49.72-49.9; 18cm fine grained, altered Fsp-Qtz- | | | | | |
| | | | | Mv pegmatite at 60 to CA; | | | | | |
| | | | | 51.08-51.52; 0.44m altered Fsp-Qtz-SP pegma- | **279753** | 51.08 | 51.52 | 0.44 | 0.56 |
| | | | | tite dyke with 5% spodumene as 1-2cm crystals | | | | | |
| | | | | dark grey, calcic alteration of feldspar; 3cm | | | | | |
| | | | | micaceous metasediment near the upper con- | | | | | |
| | | | | tact; upper contact at 45 to CA; lower contact | | | | | |
| | | | | at 50 to CA; | | | | | |
| | | | | 53.44-53.75; 0.31m sugary textured, weakly | | | | | |
| | | | | altered Fsp-Qtz+/-SP pegmatite dyke at 70 to | | | | | |
| | | | | CA; 0-1% spodumene. | | | | | |
| | | | | 55.9-59.9; 10cm white, fine grained,Fsp-Qtz | | | | | |
| | | | | pegmatite dyke at 40 to CA; | | | | | |
| | | | | 57.4--57.49; 9cm Fsp-Qtz fine grained, white | | | | | |
| | | | | pegmatite dyke at 65 to CA; | | | | | |
| | | | | 58.39-58.49; 10cm white, sugary textured, Fsp- | | | | | |
| | | | | Qtz pegmatite at 50 to CA. | | | | | |
| | | | | | | | | | |
| **59.05** | **60.35** | 1.30 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Milky white, fine grained Feldspar (albite)+ fine | **279754** | 59.05 | 60.35 | 1.30 | 0.11 |
| | | | | grained yellowish-white muskovite, trace spodu- | | | | | |
| | | | | mene, odd fine grained tourmaline, trace fine | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | grained apatite, minor phlogopite; | | | | | |
| | | | | 1-2% spodumene(?) as <1cm grains; upper con- | | | | | |
| | | | | tact at 30 to CA; lower contact at 60 to CA. | | | | | |
| | | | | | | | | | |
| **60.35** | **61.73** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Same as 34.28 to 45.0m. | | | | | |
| | | | | | | | | | |
| **61.73** | **62.31** | 0.58 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Medium to coarse grained, altered Fsp-Qtz-SP- | **279755** | 61.73 | 62.31 | 0.58 | 1.17 |
| | | | | PH-Mv pegmatite with minor garnets; patchy | | | | | |
| | | | | dark grey, calcic alteration of feldspar; 1-3% | | | | | |
| | | | | spodumene as 1-2cm crystals at the center of | | | | | |
| | | | | dyke. Upper contact a 50 to CA; lower contact | | | | | |
| | | | | at 45 to CA. | | | | | |
| | | | | | | | | | |
| **62.31** | **64.13** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 34.28 to 45.0m. | | | | | |
| | | | | | | | | | |
| **64.13** | **74.92** | 10.79 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, variable weak to moderate alte- | **279756** | 64.13 | 65.13 | 1.00 | 0.95 |
| | | | | ration of Fsp-SP-Qtz-Ph-Mv pegmatite; | **279757** | 65.13 | 66.63 | 1.50 | 1.29 |
| | | | | 15-20% spodumene, locally coarse as >10cm | **279758** | 66.63 | 68.13 | 1.50 | 1.36 |
| | | | | crystals, overall fresh to weakly altered in places; | **279759** | 68.13 | 69.63 | 1.50 | 1.35 |
| | | | | minor (<5%) phlogopite; | **279760** | STANDARD-LOW | | | 0.77 |
| | | | | 73.97-74.08; metasediment xenolith M1 at 70 | **279761** | 69.63 | 71.13 | 1.50 | 1.83 |
| | | | | to CA. | **279762** | 71.13 | 72.63 | 1.50 | 1.42 |
| | | | | upper contact at 50 to Ca; lower contact at 75 | **279763** | 72.63 | 73.92 | 1.29 | 1.95 |
| | | | | to CA. | **279764** | 73.92 | 74.92 | 1.00 | 0.73 |
| | | | | | | | | | |
| **74.92** | **86.33** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained, massive Fsp-Qtz-Bio | | | | | |
| | | | | (~15%) metasediment, weak foliation at 60 to | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | CA. | | | | | |
| | | | | | | | | | |
| **86.33** | **87.46** | 1.13 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, Fsp-Qtz-SP-PH pegmatite; per- | **279765** | 86.33 | 87.46 | 1.13 | 0.13 |
| | | | | vasive weak calcic alteration of feldspar. Clev- | | | | | |
| | | | | landite crystals at 87.0m; 5% spodumene as | | | | | |
| | | | | smaller <4cm grains; 1cm Aspy bleb at 86.8m. | | | | | |
| | | | | Upper contact at 75 to CA; lower contact at 55 | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |
| **87.46** | **91.88** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 74.92 to 86.33m. | | | | | |
| | | | | 88.66-88.79;13cm Fsp-Qtz pegmatite dyke at | | | | | |
| | | | | 70 to CA; | | | | | |
| | | | | 90.54-90.96; 0.42m Fsp-Qtz-SP pegmatite dyke | **279766** | 90.54 | 90.96 | 0.42 | 0.86 |
| | | | | at 50 to CA; calcic alteration of feldspar, 5-10% | | | | | |
| | | | | spodumene, up to 7cm long crystals, parallel to | | | | | |
| | | | | CA. | | | | | |
| | | | | | | | | | |
| **91.88** | **99.37** | 7.49 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, fresh Fsp-SP-Qtz-PH+/-Mv | **279767** | 91.88 | 92.88 | 1.00 | 2.15 |
| | | | | pegmatite with 30-35% spodumene of various | **279768** | 92.88 | 94.38 | 1.50 | 1.88 |
| | | | | size crystals; odd apatite grain 3-6mm in size; | **279769** | 94.38 | 95.88 | 1.50 | 2.22 |
| | | | | spodumene is generally fresh, pale green, beco- | **279770** | BLANK | | | <100 ppm |
| | | | | mes finner grained from 97.0 to 99.37m. Upper | **279771** | 95.88 | 97.12 | 1.24 | 1.47 |
| | | | | contact at 70 to CA; lower contact at 40 to CA. | **279772** | 97.12 | 98.37 | 1.25 | 1.95 |
| | | | | | **279773** | 98.37 | 99.37 | 1.00 | 1.64 |
| | | | | | | | | | |
| **99.37** | **104.48** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Grey, massive, fine grained Fsp-Qtz-Bio (5%) | | | | | |
| | | | | metasediment; weak foliation at 65 to CA. | | | | | |
| | | | | 102.76-102.86; 10cm fine grain, white Fsp-Qtz | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | pegmatite dyke at 75 to CA; | | | | | |
| | | | | 103.34-103.52; fine grain, altered Fsp-Qtz+/-SP | | | | | |
| | | | | pegmatite; 3-5% spodumene <2cm grains. Both | | | | | |
| | | | | contacts at 70 to CA. | | | | | |
| | | | | | | | | | |
| **104.48** | **107.86** | 3.38 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained Fsp-SP-Qtz-PH+/-Mv pegmatite | **279774** | 104.48 | 105.48 | 1.00 | 2.60 |
| | | | | 15-20% spodumene of various size grains, up to | **279775** | 105.48 | 106.86 | 1.38 | 1.11 |
| | | | | 15cm long crystals. Pervasive smoky grey, calcic | **279776** | 106.86 | 107.86 | 1.00 | 1.25 |
| | | | | alteration of feldspar. Few 1-3mm apatite grains. | | | | | |
| | | | | Upper contact at 75 to CA; lower contact at 60 | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |
| **107.86** | **142.02** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grain, massive, weakly foliated | | | | | |
| | | | | at 70 to CA, Fsp-Qtz-Bio (5-10%) metasedim- | | | | | |
| | | | | ment intersected by numerous short <50cm, | | | | | |
| | | | | pegmatite dykes as follows: | | | | | |
| | | | | 109.41-109.64; 23cm f. g. Fsp-Qtz+/-SP peg- | | | | | |
| | | | | matite dyke at 65 to CA; | | | | | |
| | | | | 109.77-109.96; 19cm Fsp-Qtz-Mv pegmatite | | | | | |
| | | | | at 80 to CA | | | | | |
| | | | | 110.1-110.27; 17cm f.g. Sugary textued Fsp- | | | | | |
| | | | | Qtz-Mv pegmatite at 60 to CA; | | | | | |
| | | | | 113.97-114.17; 20cm f.g. Fsp-Qtz pegmatite | | | | | |
| | | | | dyke at 80 to CA; | | | | | |
| | | | | 117.64-117.72; 8cm altered Fsp-Qtz pegmatite | | | | | |
| | | | | dyke at 65 to CA; | | | | | |
| | | | | 131.43-131.62; 19cm altered Fsp-Qtz-Mv peg- | | | | | |
| | | | | matite dyke UC at 20 to CA;LC at 90 to CA; | | | | | |
| | | | | 132.35-132.76; 21cm altered Fsp-Qtz-Mv-PH | | | | | |
| | | | | pegmatite dyke at 40 to CA; | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 133.58-133.80; 22cm altered fsp-Qtz-Mv peg- | | | | | |
| | | | | matite dyke at 85 to CA; | | | | | |
| | | | | 134.48-134.67; 19cm f.g. Fsp-Qtz-Mv pegmati- | | | | | |
| | | | | te dyke at 60 to CA; | | | | | |
| | | | | 139.7-139.95; 25cm dark grey Fsp-Qtz -Mv | | | | | |
| | | | | f.g. mica, pegmatite dyke at 60 to CA. | | | | | |
| | | | | None of these dykes contain visible spodumene. | | | | | |
| | | | | | | | | | |
| **142.02** | **146.50** | 4.48 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Altered Fsp-Qtz-SP-PH pegmatite with ~10% | **279777** | 142.02 | 143.02 | 1.00 | 1.25 |
| | | | | spodumene altered to serpentine(?), pervasive, | **279778** | 143.02 | 144.25 | 1.23 | 0.97 |
| | | | | dark grey calcic alteration of feldspar; spodume- | **279779** | 144.25 | 145.50 | 1.25 | 0.54 |
| | | | | ne crystals usually <3cm in size; few small 2-3 | **279780** | STANDARD-LOW | | | 0.78 |
| | | | | mm apatite grains, fine grain fsp at upper | **279781** | 145.50 | 146.50 | 1.00 | 1.86 |
| | | | | contact for 5-10cm. Upper contact at 60 to | | | | | |
| | | | | CA; lower contact at 70 to CA. | | | | | |
| | | | | | | | | | |
| **146.50** | **158.30** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Grey, massive, fine grained Fsp-Qtz-Bio | | | | | |
| | | | | metasediment cut by two <60 cm pegmatite | | | | | |
| | | | | dykes: | | | | | |
| | | | | 149.13-149.68; 0.55m fine grain, sugary texture | **279782** | 149.13 | 149.68 | 0.55 | 0.05 |
| | | | | Fsp-Qtz-Mv pegmatite; dark grey patches of | | | | | |
| | | | | calcic alteration of feldspar, yellowish fine grain | | | | | |
| | | | | muskovite, trace spodumene. Upper contact | | | | | |
| | | | | at 45 to CA; lower contact at 80 to CA. | | | | | |
| | | | | 157.23-157.63; 0.40m pegmatite dyke at 80 to | **279783** | 157.23 | 157.63 | 0.40 | 0.09 |
| | | | | CA; fine grain, sugary texture Fsp-Qtz; trace | | | | | |
| | | | | spodumene, ~5%fine grain mica. | | | | | |
| | | | | | | | | | |
| **158.30** | **160.00** | 1.70 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, fresh, Fsp-SP-Qtz-PH pegmatite | **279784** | 158.30 | 159.10 | 0.80 | 1.80 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | with 10-15% spodumene of various size crystals | **279785** | 159.10 | 160.00 | 0.90 | 1.65 |
| | | | | up to 15cm long near the upper contact, specks | | | | | |
| | | | | of tourmaline and apatite. Upoper contact at 70 | | | | | |
| | | | | to CA; lower contact at 90 to CA. | | | | | |
| | | | | | | | | | |
| **160.00** | **169.47** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 146.5 to 158.3m. | | | | | |
| | | | | Intersected by several short pegmatite | | | | | |
| | | | | dykes as folllows: | | | | | |
| | | | | 160.93-161.15; fine grained, Fsp-Qtz-Mv peg- | | | | | |
| | | | | matite dyke, sugary texture, oriented at 45 to | | | | | |
| | | | | CA; | | | | | |
| | | | | 161.67-162.1; 0.43m altered Fsp-Qtz-SP-Mv | **279786** | 161.67 | 162.10 | 0.43 | 1.71 |
| | | | | pegmatite, with 5-10% spodumene and dark | | | | | |
| | | | | grey calcic alteration of Fsp; upper contact at | | | | | |
| | | | | 60 to CA; lower contact at 70 to CA; | | | | | |
| | | | | 162.87-163.05; fine grained, sugary textured | | | | | |
| | | | | fsp-Qtz-Mv pegmatite dyke at 80 to CA; | | | | | |
| | | | | 165.57-165.8; fine grained, altered Fsp-Qtz-Mv | | | | | |
| | | | | pegmatite dyke at 70 to CA. | | | | | |
| | | | | | | | | | |
| **169.47** | **178.63** | 9.16 | **I1G** | **PEGMATITE** | **279787** | 169.47 | 170.47 | 1.00 | 1.25 |
| | | | | Coarse grained, fresh Fsp-SP-Qtz-PH-Mv peg- | **279788** | 170.47 | 171.97 | 1.50 | 1.75 |
| | | | | matite with 20-25% spodumene of various | **279789** | 171.97 | 173.47 | 1.50 | 1.58 |
| | | | | size crystals. Fine grained sugary textured | **279790** | DUPLICATE | | | 1.55 |
| | | | | Fsp+Mv at both contacts; 20cm at upper con- | **279790rp** | DUPLICATE | | | 1.66 |
| | | | | tact and for 0.8m at lower contact. | **279791** | 173.47 | 174.97 | 1.50 | 1.64 |
| | | | | 178.26-178.42; 16cm metasediment xenolith | **279792** | 174.97 | 176.47 | 1.50 | 2.01 |
| | | | | near the lower contact. Odd spodumene crystal | **279793** | 176.47 | 177.63 | 1.16 | 1.58 |
| | | | | is altered to serpentine(?) at 171.5m. Upper | **279794** | 177.63 | 178.63 | 1.00 | 0.61 |
| | | | | contact at 70 to CA; lower contact at 60 to CA. | | | | | |
| | | | | | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **178.63** | **184.66** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 146.5 to 158.3m. | | | | | |
| | | | | 184.03-184.23; 20cm pegmatite dyke Fsp-Qtz- | | | | | |
| | | | | PH, fine grained, oriented at 80 to CA. | | | | | |
| | | | | | | | | | |
| **184.66** | **187.00** | | | **MAFIC METAVOLCANIC** | | | | | |
| | | | | Massive, green, fine grained mafic metavolcanic | | | | | |
| | | | | with ~15% biotite as 2-4mm porphyroblasts | | | | | |
| | | | | in a Amph-Fsp groundmass. Upper contact at | | | | | |
| | | | | 40 to CA; lower contact at 25 to CA. | | | | | |
| | | | | | | | | | |
| **187.00** | **194.30** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 146.5 to 158.3m. | | | | | |
| | | | | | | | | | |
| **194.30** | **196.00** | 1.70 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Medium to fine grained, altered Fsp-Qtz-Mv-SP | **279795** | 194.30 | 195.15 | 0.85 | 0.50 |
| | | | | pegmatite; minor (1-3%) spodumene; dark grey | **279796** | 195.15 | 196.00 | 0.85 | 0.58 |
| | | | | calcic alteration of feldspar; fine grained Fsp+Mv | | | | | |
| | | | | at both contacts for 10-15cm. Both contacts | | | | | |
| | | | | at 85 to CA. | | | | | |
| | | | | | | | | | |
| **196.00** | **199.78** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 146.5 to 158.3m. | | | | | |
| | | | | 198.0-199.0 weak foliation parallel to CA | | | | | |
| | | | | 197.47-197.97; 0.5m coarse, weakly altered | **279797** | 197.47 | 197.97 | 0.50 | 1.67 |
| | | | | Fsp-Qtz-SP pegmatite; 5-10% spodumene up | | | | | |
| | | | | to 5cm long crystals; upper contact at 65 to CA | | | | | |
| | | | | lower contact at 70 to CA. | | | | | |
| | | | | | | | | | |
| **199.78** | **205.47** | 5.69 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, variably altered Fsp-Qtz-SP-PH- | **279798** | 199.78 | 200.78 | 1.00 | 1.01 |
| | | | | Mv pegmatite; Fine grained, sugary textured | **279799** | 200.78 | 202.00 | 1.22 | 1.75 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Fsp+Mv for ~1m at the lower contact; 10-15% | **279800** | STANDARD-HIGH | | | 1.23 |
| | | | | spodumene <5cm in size altered to serpentine(?) | **279801** | 202.00 | 203.10 | 1.10 | 0.61 |
| | | | | in several locations; calcite alteration of feld- | **279802** | 203.10 | 204.47 | 1.37 | 1.15 |
| | | | | spar near both contacts for ~1m. Upper contact | **279803** | 204.47 | 205.47 | 1.00 | 0.40 |
| | | | | at 65 to CA; lower contact at 70 to CA. | | | | | |
| | | | | | | | | | |
| **205.47** | **206.90** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, massive Fsp-Qtz-Bio metase- | | | | | |
| | | | | diment. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | **206.90m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.38%/7.63m | 26.65 | 34.28 |
| 1.47%/9.79m | 64.13 | 73.92 |
| 1.89%/7.49m | 91.88 | 99.37 |
| 1.60%/3.38m | 104.48 | 107.86 |
| 1.10%/2.23m | 142.02 | 144.25 |
| 1.66%/8.16m | 169.47 | 177.63 |
| 1.15%/4.69m | 199.78 | 204.47 |

LITHIUM ONE INC.
Property : James Bay Lithium

| | | | | | |
|---|---|---|---|---|---|
| DDH # : | **JBL09-20** | | Start : 8-jul-09 | Drilled by : | Chibougamau |
| Azimuth : | 110° | LOCATION UTM | End : 9-jul-09 | | Diamond Drilling |
| Dip: | -60° | 358617 mE | | Logged by : | A.Peshkepia |
| Elevation: | 233m | 5789283 mN | | **Verified by: AJMc** | On July 25th,2009 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **3.20** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **3.20** | **14.00** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Diatexite, strong foliation parallel to perpendicu- | | | | | |
| | | | | lar to CA. Dark grey, fine grained, QZ-PG-BO, | | | | | |
| | | | | sharp lower contact at 60 to CA. | | | | | |
| | | | | | | | | | |
| **14.00** | **31.38** | 17.38 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse to very coarse PG-QZ-SP-PH-MV | **279804** | 14.00 | 15.00 | 1.00 | 0.02 |
| | | | | dark grey FP (FK); Pale green spodumene, 20% | **279805** | 15.00 | 16.50 | 1.50 | 1.19 |
| | | | | fresh, up to 15cm long crystals subparallel to CA. | **279806** | 16.50 | 18.00 | 1.50 | 1.75 |
| | | | | Rare AP up to 10mm subhedral grains. Fine grai- | **279807** | 18.00 | 19.50 | 1.50 | 2.13 |
| | | | | ned pegmatite for about 20cm near the UC and | **279808** | 19.50 | 21.00 | 1.50 | 1.79 |
| | | | | 80 cm near the lower contact mixed with fine | **279809** | 21.00 | 22.50 | 1.50 | 1.00 |
| | | | | muscovite. Lower contact sharp at 45 to CA. | **279810** | BLANK | | | <100 ppm |
| | | | | | **279811** | 22.50 | 24.00 | 1.50 | 1.61 |
| | | | | | **279812** | 24.00 | 25.50 | 1.50 | 2.11 |
| | | | | | **279813** | 25.50 | 27.00 | 1.50 | 1.11 |
| | | | | | **279814** | 27.00 | 28.50 | 1.50 | 0.39 |
| | | | | | **279815** | 28.50 | 29.40 | 0.90 | 1.25 |
| | | | | | **279816** | 29.40 | 30.38 | 0.98 | 1.58 |
| | | | | | **279817** | 30.38 | 31.38 | 1.00 | 0.85 |
| | | | | | | | | | |
| **31.38** | **36.57** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Light grey, fine grained, less migmatized QZ-PG- | | | | | |
| | | | | BO metasediment; | | | | | |
| | | | | 32.3-32.68 white pegmatite dyke PG-FP-QZ, | | | | | |
| | | | | minor spodumene 1-3%SP, both contacts at 60 | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | to CA. | | | | | |
| | | | | 35.25-35.76 medium to coarse grained, white | **279818** | 35.25 | 35.76 | 0.51 | 0.34 |
| | | | | pegmatite dyke, very minor, green, shattered | | | | | |
| | | | | SP. Both contacts at 50 to CA; | | | | | |
| | | | | A 15cm mafic dyke has intuded the lower con- | | | | | |
| | | | | tact of metasediment. | | | | | |
| | | | | | | | | | |
| **36.57** | **38.56** | 1.99 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse PG-QZ-SP-PH-dark greyFP; SP | **279819** | 36.57 | 37.57 | 1.00 | 1.56 |
| | | | | <4cm long crystals, overall 10-15%SP; minor | **279820** | STANDARD LOW | | | 0.82 |
| | | | | greenish alteration. Finer grained at lower | **279821** | 37.57 | 38.56 | 0.99 | 1.22 |
| | | | | contact for ~20cm. Both contacts at 90 to CA. | | | | | |
| | | | | | | | | | |
| **38.56** | **39.92** | | | **MAFIC METAVOLCANIC** | | | | | |
| | | | | Dark green, fine grained, massive, somewhat | | | | | |
| | | | | larger BO1-3mm.Lower contact at 65 to CA. | | | | | |
| | | | | | | | | | |
| **39.92** | **52.40** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium gray, fine grained, medium to strong | | | | | |
| | | | | foliation at 35 to 55 to CA; Small 10-15cm peg- | | | | | |
| | | | | matite dykes oriented at 65 and 40 to CA. Only | | | | | |
| | | | | minor migmatization. | | | | | |
| | | | | | | | | | |
| **52.40** | **53.58** | 1.18 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Medium grained, sygary textured PG-QZ pegma- | **279822** | 52.40 | 53.58 | 1.18 | 0.09 |
| | | | | tite, fine grained yellowish-grrenish muscovite. | | | | | |
| | | | | Minor dark grey FP. NO visible spodumene. Upper | | | | | |
| | | | | contact at 35 to CA; lower contact at 45 to CA. | | | | | |
| | | | | | | | | | |
| **53.58** | **57.10** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 39.92 to 52.40m. | | | | | |
| | | | | | | | | | |
| **57.10** | **71.82** | 14.72 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Zoned Pegmatite with coarser pegmatite in the | **279823** | 57.10 | 58.10 | 1.00 | 1.27 |
| | | | | center and less coarse near both contacts. | **279824** | 58.10 | 59.60 | 1.50 | 1.57 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Upper contact at 35 to CA. QZ common, PG, | **279825** | 59.60 | 61.10 | 1.50 | 1.35 |
| | | | | SP, minor dark FP. SP subparallel to CA; some | **279826** | 61.10 | 62.60 | 1.50 | 2.13 |
| | | | | crystals up to 20cm long; 15-20%SP overall; | **568782** | DUPLICATE OF **279826** | | | 1.49 |
| | | | | Very minor apatite and phlogopite. Lower con- | **279827** | 62.60 | 64.10 | 1.50 | 1.49 |
| | | | | tact at 50 to CA. | **279828** | 64.10 | 65.60 | 1.50 | 0.87 |
| | | | | | **279829** | 65.60 | 67.10 | 1.50 | 1.80 |
| | | | | | **279830** | DUPLICATE | | | 1.89 |
| | | | | | **279831** | 67.10 | 68.60 | 1.50 | 1.52 |
| | | | | | **279832** | 68.60 | 69.70 | 1.10 | 1.64 |
| | | | | | **279833** | 69.70 | 70.82 | 1.12 | 2.35 |
| | | | | | **568783** | DUPLICATE OF **279833** | | | 2.20 |
| | | | | | **279834** | 70.82 | 71.82 | 1.00 | 0.96 |
| | | | | | | | | | |
| **71.82** | **87.72** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, well foliated at 50 to 70 to | | | | | |
| | | | | CA; minor migmatization; QZ-PG-BO metasedim- | | | | | |
| | | | | ent. | | | | | |
| | | | | | | | | | |
| **87.72** | **90.00** | 2.28 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, white, QZ-PG-PH-SP pegmatite with SP | **279835** | 87.72 | 89.00 | 1.28 | 1.47 |
| | | | | crystals subparallel to CA, pale green, fresh, up | **279836** | 89.00 | 90.00 | 1.00 | 1.56 |
| | | | | to 15cm long; 15% SP overall. Upper contact | | | | | |
| | | | | at 70 to CA; Lower contact at 90 to CA. | | | | | |
| | | | | | | | | | |
| **90.00** | **98.82** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 71.82 to 87.72, less foliated, very minor | | | | | |
| | | | | migmatization. This unit has been cut by a white | | | | | |
| | | | | pegmatite dyke 0.42m thick from 96.96 to 97.38 | | | | | |
| | | | | medium to coarse grained QZ-PG+/-MV; upper | | | | | |
| | | | | contact at 65 to CA; lower contact at 60 to CA. | | | | | |
| | | | | | | | | | |
| **98.82** | **105.45** | 6.63 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, white, QZ-PG-SP-MV pegmatite with SP | **279837** | 98.82 | 99.82 | 1.00 | 0.93 |
| | | | | crystals up to 15cm long, subparallel to CA; mi- | **279838** | 99.82 | 101.32 | 1.50 | 1.49 |
| | | | | nor greenish alteration. 15% SP overall. Upper | **279839** | 101.32 | 102.82 | 1.50 | 1.79 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | contact at 45 to CA; lower contact at 90 to CA. | **279840** | STANDARD HIGH | | | 1.33 |
| | | | | | **279841** | 102.82 | 104.45 | 1.63 | 1.87 |
| | | | | | **279842** | 104.45 | 105.45 | 1.00 | 0.36 |
| | | | | | | | | | |
| **105.45** | **137.74** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, moderate to good | | | | | |
| | | | | foliation at 70 to CA; cut by several white Peg- | | | | | |
| | | | | matite dykes <0.6m thick; | | | | | |
| | | | | 109.06-109.45 medium grained, PG-MV, minor | | | | | |
| | | | | QZ, white pegmatite dyke at 60 to CA; | | | | | |
| | | | | 129.95-130.51 medium grained, white PG-MV | **279843** | 129.95 | 130.51 | 0.56 | 0.03 |
| | | | | fine grained muscovite, no visible spodumene; | | | | | |
| | | | | upper contact at 40 to CA; lower contact at | | | | | |
| | | | | 55 to CA; | | | | | |
| | | | | 131.12-131.36;0.24m same white pegmatite dy- | | | | | |
| | | | | ke PG-minor QZ, dark FP, common muscovite, | | | | | |
| | | | | Upper contact at 65 to CA; lower contact at | | | | | |
| | | | | 35 to CA. | | | | | |
| | | | | | | | | | |
| **137.74** | **138.73** | 0.99 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, white PG-QZ-MV-SP pegmatite; 10% | **279844** | 137.74 | 138.73 | 0.99 | 0.51 |
| | | | | SP up to 7cm long crystals, subparallel to CA; | | | | | |
| | | | | rare small apatite. Upper contact at 50 to CA; | | | | | |
| | | | | lower contact at 75 to CA. | | | | | |
| | | | | | | | | | |
| **138.73** | **139.64** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 105.45 to 137.74m. | | | | | |
| | | | | | | | | | |
| **139.64** | **144.50** | 4.86 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse PG-QZ-MV-SP pegmatite. Upper | **279845** | 139.64 | 140.64 | 1.00 | 1.71 |
| | | | | contact at 60 to CA. Near upper contact, fine | **279846** | 140.64 | 142.00 | 1.36 | 0.94 |
| | | | | grained, sugary texture for about 15cm. Spodu- | **568784** | DUPLICATE OF **279846** | | | 0.71 |
| | | | | mene crystals up to 10cm, also small cm size | **279847** | 142.00 | 143.50 | 1.50 | 0.10 |
| | | | | crystals, subparallel to CA. Common greenish | **279848** | 143.50 | 144.50 | 1.00 | 0.10 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | mica in small patches. MV up to 1.5cm. Minor | | | | | |
| | | | | dark grey to black FP. Two enclaves of metase- | | | | | |
| | | | | diments at 141.03-141.25 and 141.38 -141.51m. | | | | | |
| | | | | Not much SP in lower parts; SP in upper parts | | | | | |
| | | | | of the dyke ~15%. Lower contact at 40 to CA. | | | | | |
| | | | | | | | | | |
| **144.50** | **154.27** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, foliated PG-QZ-BO; | | | | | |
| | | | | small pegmatite dykes at 144.98-145.08 and | | | | | |
| | | | | 154.02-154.09. These pegmatites are finer gra | | | | | |
| | | | | ined, white and more micaceous. | | | | | |
| | | | | | | | | | |
| **154.27** | **154.91** | 0.64 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Upper contact at 50 to CA and lower contact at | **279849** | 154.27 | 154.91 | 0.64 | 0.10 |
| | | | | 90 to CA; sugary textured for ~5cm near the | **279850** | BLANK | | | <100 ppm |
| | | | | upper contact; coarser pegmatite contains ~3% | | | | | |
| | | | | SP cm in size. | | | | | |
| | | | | | | | | | |
| **154.91** | **156.00** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Homogeneous, medium grey, weak foliatuion. A | | | | | |
| | | | | few white veinlets. Upper contact at 90 and | | | | | |
| | | | | lower contact at 70 to CA. | | | | | |
| | | | | | | | | | |
| **156.00** | **161.32** | 5.32 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, white, good section with spodumene, | **279851** | 156.00 | 157.00 | 1.00 | 1.25 |
| | | | | even near contact with metasediment. SP crys- | **568785** | DUPLICATE OF **279851** | | | 1.44 |
| | | | | tals long, fresh up to 10cm subparallel to CA. | **279852** | 157.00 | 158.50 | 1.50 | 1.54 |
| | | | | 15-20% spodumene PG, QZ, minor MV, rare | **279853** | 158.50 | 159.40 | 0.90 | 1.47 |
| | | | | dark green apatite. Both contacts at 70 to CA. | **279854** | 159.40 | 160.32 | 0.92 | 1.27 |
| | | | | | **279855** | 160.32 | 161.32 | 1.00 | 0.45 |
| **161.32** | **173.05** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, foliated. Lower cont- | | | | | |
| | | | | act at 45 to CA. Foliation at high angle to CA. | | | | | |
| | | | | Two small pagmatite dykes at 161.98-162.19 | | | | | |
| | | | | and 167.61-167.83 at 50 to CA and a small 5cm | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | pegmatite dyke at 169.65. | | | | | |
| | | | | | | | | | |
| **173.05** | **181.91** | 8.86 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Good pegmatite section, white, coarse PG-QZ- | **279856** | 173.05 | 174.05 | 1.00 | 0.66 |
| | | | | SP-MV; 10-15% SP, crystals up to 10cm long, | **279857** | 174.05 | 175.55 | 1.50 | 1.20 |
| | | | | subparallel to CA. SP pale green on surface. | **279858** | 175.55 | 177.05 | 1.50 | 0.51 |
| | | | | Upper contact at 45 to CA. A 2cm metasediment | **279859** | 177.05 | 178.55 | 1.50 | 1.31 |
| | | | | enclave at 173.58, 8cm metasediment enclave | **279860** | STANDARD-LOW | | | 0.73 |
| | | | | at 176.17, a larger metasediment enclave at | **279861** | 178.55 | 180.00 | 1.45 | 1.95 |
| | | | | 176.47-176.73. | **279862** | 180.00 | 180.91 | 0.91 | 1.02 |
| | | | | Lower contact of pegmatite at 60 to CA. | **279863** | 180.91 | 181.91 | 1.00 | 1.77 |
| | | | | | | | | | |
| **181.91** | **197.97** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Homogeneous, fine to medium grained, foliated | | | | | |
| | | | | Upper contact at 60, lower contact at 90 to CA. | | | | | |
| | | | | White pegmatite at 184.01-184.38, very minor | | | | | |
| | | | | small SP. Contact of pegmatite at high angle to | | | | | |
| | | | | CA. | | | | | |
| | | | | White pegmatite at 191.99-192.23, at high angle | | | | | |
| | | | | to CA, contains very minor small SP. | | | | | |
| | | | | White pegmatite at 192.63-192.87, with conta- | | | | | |
| | | | | cts at 40 to CA; very minor small SP. Smaller | | | | | |
| | | | | veins of white felsic material elsewhere. | | | | | |
| | | | | At 195.88-196.25 coarser material in metasedi- | | | | | |
| | | | | ment with BO crystals and BO patches about | | | | | |
| | | | | 0.5 cm, foliated, foliation at 60 to CA. | | | | | |
| | | | | | | | | | |
| **197.97** | **205.30** | 7.33 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Good section of pegmatite, white, coarse, even | **279864** | 197.97 | 198.97 | 1.00 | 0.15 |
| | | | | near contacts with metasediments. Both conta- | **279865** | 198.97 | 200.47 | 1.50 | 0.49 |
| | | | | cts of pegmatite at high angle to CA. PG-QZ-MV | **279866** | 200.47 | 201.97 | 1.50 | 1.41 |
| | | | | very minor dark FP; SP 10-15%, SP crystals | **279867** | 201.97 | 203.20 | 1.23 | 0.86 |
| | | | | commonly 5-7cm, minor larger SP up to 10cm. | **279868** | 203.20 | 204.30 | 1.10 | 1.83 |
| | | | | MV patches 1cm. A 7cm metasediment enclave | **279869** | 204.30 | 205.30 | 1.00 | 0.76 |
| | | | | at 198.61-198.90 with contacts at 60 to CA. A | **279870** | DUPLICATE | | | 0.83 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | small 5cm metasediment enclave at 199.16 with | | | | | |
| | | | | contacts at 60 to CA. | | | | | |
| | | | | | | | | | |
| **205.30** | **210.00** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained, foliated PG-QZ-BO | | | | | |
| | | | | metasediment. Pegmatite dyke at 206.9-207.32 | | | | | |
| | | | | with both contacts at 20 to CA. Possibly very | | | | | |
| | | | | minor SP with serpentine like alteration; PG-QZ | | | | | |
| | | | | minor dark grey FP, ~1cm size MV | | | | | |
| | | | | | | | | | |
| | | | | **210.0m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.33%/17.38m | 14.00 | 31.38 |
| 1.39%/1.99m | 36.57 | 38.56 |
| 1.51%/14.72m | 57.10 | 71.82 |
| 1.51%/2.28m | 87.72 | 90.00 |
| 1.58%/5.63m | 98.82 | 104.45 |
| 1.20%/2.36m | 139.64 | 142.00 |
| 1.42%/4.32m | 156.00 | 160.32 |
| 1.28%/7.86m | 174.05 | 181.91 |
| 1.36%/3.83m | 200.47 | 204.30 |

LITHIUM ONE INC.
Property : James Bay Lithium

| | | | | | |
|---|---|---|---|---|---|
| DDH # : | **JBL09-21B** | | Start : 24-jul-09 | Drilled by : | Chibougamau |
| Azimuth : | 110° | LOCATION UTM | End : 25-jul-09 | | Diamond Drilling |
| Dip: | -60° | 358577 mE | | Logged by : | A.Peshkepia |
| Elevation: | 230m | 5789245 mN | | **Verified by:** | **AJMc** on July 27th,2009 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **2.40** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **2.40** | **12.57** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Medium to dark grey, well foliated PG-QZ-BO; | | | | | |
| | | | | foliation 25 to parallel to CA. Minor migmatization. | | | | | |
| | | | | | | | | | |
| **12.57** | **38.70** | 26.13 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, milky white to greyish-white PG-SP-QZ- | **279871** | 12.57 | 13.57 | 1.00 | 0.01 |
| | | | | FP-PH-MV pegmatite with 20-25% SP, pale | **279872** | 13.57 | 15.00 | 1.43 | 0.01 |
| | | | | green, locally altered to dark green. Short stubby | **279873** | 15.00 | 16.50 | 1.50 | 0.19 |
| | | | | crystals, rare 15cm long crystal, subparallel to | **568786** | DUPLICATE OF 279873 | | | 0.44 |
| | | | | CA. Ferw apatite up to 15mm, minor tourmaline. | **279874** | 16.50 | 18.00 | 1.50 | 1.48 |
| | | | | Dark grey, coarse FP(K-FP?) from 20.0 to 23.0 | **279875** | 18.00 | 19.50 | 1.50 | 1.16 |
| | | | | Fine grained, sugary textured PG+yellowish MV | **279876** | 19.50 | 21.00 | 1.50 | 1.74 |
| | | | | for about 1m at upper contact and and ~0.5m | **568787** | DUPLICATE OF 279876 | | | 1.64 |
| | | | | at lower contact. Upper contact at 55 to CA | **279877** | 21.00 | 22.50 | 1.50 | 1.08 |
| | | | | and lower contact at 60 to CA. | **279878** | 22.50 | 24.00 | 1.50 | 1.14 |
| | | | | | **279879** | 24.00 | 25.50 | 1.50 | 1.44 |
| | | | | | **279880** | STANDARD-LOW | | | 0.82 |
| | | | | | **279881** | 25.50 | 27.00 | 1.50 | 1.10 |
| | | | | | **568788** | DUPLICATE OF 279881 | | | 1.25 |
| | | | | | **279882** | 27.00 | 28.50 | 1.50 | 1.67 |
| | | | | | **279883** | 28.50 | 30.00 | 1.50 | 1.61 |
| | | | | | **279884** | 30.00 | 31.50 | 1.50 | 1.61 |
| | | | | | **279885** | 31.50 | 33.00 | 1.50 | 1.50 |
| | | | | | **279886** | 33.00 | 34.50 | 1.50 | 1.87 |
| | | | | | **279887** | 34.50 | 36.10 | 1.60 | 1.26 |
| | | | | | **279888** | 36.10 | 37.70 | 1.60 | 1.22 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | **568789** | DUPLICATE OF 279888 | | | 1.00 |
| | | | | | **279889** | 37.70 | 38.70 | 1.00 | 0.02 |
| | | | | | **279890** | BLANK | | | <100ppm |
| | | | | | | | | | |
| **38.70** | **71.91** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Medium to dark grey, well foliated PG-QZ-BO, | | | | | |
| | | | | strong migmatization from 38.7 to 47.0; 47.0 | | | | | |
| | | | | to 50.0 foliation parallel to CA; | | | | | |
| | | | | 57.3-58.0 coarse subrounded to subhedral cm | | | | | |
| | | | | size dark green chlorite? Specks of pyrite; | | | | | |
| | | | | spotty,coarse andalusite ~1cm subhedral grains | | | | | |
| | | | | 66.7-66.88; 18cm fine grained, micaceous peg- | | | | | |
| | | | | matite dyke, PG-MV-PH oriented at 90 to CA. | | | | | |
| | | | | 67.6-67.92; 0.32m pegmatite dyke at 70 to CA; | | | | | |
| | | | | PG-FP-MV fine grained, sugary texture no SP. | | | | | |
| | | | | 70.9-71.22 PG-MV+/-FP medium grained pegma- | | | | | |
| | | | | tite dyke oriented at 60 to CA; no visible SP. | | | | | |
| | | | | | | | | | |
| **71.91** | **75.50** | 3.59 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, PG-QZ-SP-MV-FP pegmatite, | **279891** | 71.91 | 72.91 | 1.00 | 1.19 |
| | | | | abundant quartz, pervasive, fine grained, yello- | **279892** | 72.91 | 74.50 | 1.59 | 1.58 |
| | | | | wish MV; ~10% spodumene, isolated large stu- | **279893** | 74.50 | 75.50 | 1.00 | 1.53 |
| | | | | bby crystal up to 15cm long, most crystals skin- | **568790** | DUPLICATE OF 279893 | | | 1.56 |
| | | | | ny. Fine grained, sugary textured PG +MV for | | | | | |
| | | | | about 40 cm at lower contact. Upper contact | | | | | |
| | | | | at 90 to CA; lower contact at 75 to CA. | | | | | |
| | | | | | | | | | |
| **75.50** | **76.88** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained, QZ-PG+/-BO; mode- | | | | | |
| | | | | rate to good foliation at 50 to CA. | | | | | |
| | | | | | | | | | |
| **76.88** | **83.50** | 6.62 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, white PG-QZ-SP-FP-MV pegmatite with | **279894** | 76.88 | 77.90 | 1.02 | 2.01 |
| | | | | ~10% SP as up to 7cm long crystals subparallel | **279895** | 77.90 | 78.85 | 0.95 | 1.63 |
| | | | | to CA. Patches of fine grained MV. Upper conta- | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ct at 55 and lower contact at 60 to CA. | | | | | |
| | | | | 78.85-79.44; metasediment M1, intersection, | | | | | |
| | | | | fine grained, grey, massive; Lower contact at | | | | | |
| | | | | 60 to CA; | | | | | |
| | | | | From 79.44 to 81.47 pegmatite contains more | **279896** | 79.44 | 80.47 | 1.03 | 0.25 |
| | | | | dark grey to blacxk FP minor SP <5%SP; trace | **279897** | 80.47 | 81.47 | 1.00 | 0.10 |
| | | | | AP. | | | | | |
| | | | | 81.47-82.15 metasediment xenolith, grey, fine | | | | | |
| | | | | grained, massive, both contacts at 90 to CA. | | | | | |
| | | | | 82.15 to 83.5 pegmatite contains minor PH and | **279898** | 82.15 | 83.50 | 1.35 | 1.11 |
| | | | | minor tourmaline; 5-10% SP. | | | | | |
| | | | | These three pegmatites are zoned with coarse | | | | | |
| | | | | SP-QZ-PG at the center and finer grained textu- | | | | | |
| | | | | of the samer composition towards the contacts. | | | | | |
| | | | | Lower contact at 83.5 at 50 to CA. | | | | | |
| | | | | | | | | | |
| **83.50** | **91.95** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Light grey, fine grained, massive, weak foliation; | | | | | |
| | | | | QZ-PG+/-BO. This unit has been intersected by | | | | | |
| | | | | several pegmatite dykes 15-25cm thick at 80 | | | | | |
| | | | | to 90 degrees to CA. | | | | | |
| | | | | 85.7-85.95; 0.25m medium grained pegmatite | | | | | |
| | | | | PG-QZ-SP-FP, ~5% SP altered to yellowish-gre | | | | | |
| | | | | en;1-2cm crystals at the center of dyke. | | | | | |
| | | | | 87.55-87.75; 0.20m pegmatite dyke, PG-FP-QZ | | | | | |
| | | | | no visible SP. | | | | | |
| | | | | 88.0-88.15; 15cm pegmatite, PG-FP-SP, ~3%SP | | | | | |
| | | | | as 1-2cm size crystals; | | | | | |
| | | | | 89.5-89.65; 15cm PG-QZ medium grained pegma- | | | | | |
| | | | | tite at 70 to CA. | | | | | |
| | | | | Lower contact of metasediment at 30 to CA. | | | | | |
| | | | | | | | | | |
| **91.95** | **93.45** | | | **QFP** | | | | | |
| | | | | Medium grey, fine grained, massive QFP , 1-4mm | | | | | |
| | | | | subhedral FP phenocrysts rare up to 1cm; fine | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | grained interstitial biotite; QZ phenos same size | | | | | |
| | | | | as FP. Lower contact at 70 to CA. <10cm peg- | | | | | |
| | | | | matite dykes, PG-QZ-FP, from 92.7 to 93.10. | | | | | |
| | | | | | | | | | |
| **93.45** | **96.15** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 83.5 to 91.95m. | | | | | |
| | | | | 94.7-94.82 12cm pegmatite dyke at 60 to CA; | | | | | |
| | | | | Medium grained PG-QZ+/-FP. | | | | | |
| | | | | | | | | | |
| **96.15** | **98.20** | | | **QFP** | | | | | |
| | | | | Same as 91.95 to 93.45, very weak foliation | | | | | |
| | | | | at ~50 to CA. 10cm QZ vein at 96.5 with specks | | | | | |
| | | | | of Aspy. Both contacts at 50 to CA. | | | | | |
| | | | | | | | | | |
| **98.20** | **113.00** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained, massive PG-QZ-BO | | | | | |
| | | | | metasediment intersected by several thin 10-30 | | | | | |
| | | | | cm pegmatite dykes; | | | | | |
| | | | | 101.0-101.3 PG-QZ-FP-MV medium to coarse | | | | | |
| | | | | pegmatite, no visible SP, UC at 55 and LC at 30 | | | | | |
| | | | | to CA; | | | | | |
| | | | | 103.65-103.8; 25cm white PG-QZ-FP medium | | | | | |
| | | | | grained pegmatite at 55 to CA; | | | | | |
| | | | | 106.05-106.16, Fine grained PG-QZ-FP pegmati- | | | | | |
| | | | | te at 50 to CA. | | | | | |
| | | | | 111.17-111.47, white, medium grained PG-QZ-SP | | | | | |
| | | | | minor MV; finer SP<1cm crystals, ~15%SP, | | | | | |
| | | | | altered yellowish-green. Both contacts at 85 to | | | | | |
| | | | | CA. Sugary texture for about 5cm at both | | | | | |
| | | | | contacts. | | | | | |
| | | | | | | | | | |
| **113.00** | **116.28** | 3.28 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, white, fresh PG-QZ-SP+/-MV pegmatite. | **279899** | 113.00 | 114.00 | 1.00 | 2.13 |
| | | | | 15-20% SP, up to 8cm long crystals subparallel | **568791** | DUPLICATE OF 279899 | | | 1.62 |
| | | | | to CA. Fine grained MV at lower contact for ~15 | **279900** | STANDARD-HIGH | | | 1.30 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | cm, minor PH. Both contacts at 80 to CA. | **279901** | 114.00 | 115.28 | 1.28 | 1.83 |
| | | | | | **279902** | 115.28 | 116.28 | 1.00 | 1.70 |
| | | | | | | | | | |
| **116.28** | **120.85** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained, massive PG-QZ-BO | | | | | |
| | | | | metasediment; cut by two <0.5m pegmatite dy- | | | | | |
| | | | | kes: | | | | | |
| | | | | 118.14-118.42; 28cm QZ-PG-SP-FP pegmatite | | | | | |
| | | | | with 10-15% SP as 1-3cm long crystals, orien- | | | | | |
| | | | | ted at 50 to CA. | | | | | |
| | | | | 119.95-120.38; 43cm Pegmatite dyke PG-QZ-FP | | | | | |
| | | | | minor garnet; 8cm metasediment enclave at 120. | | | | | |
| | | | | 18m; up to 1cm subhedral garnets at 120.0m | | | | | |
| | | | | Both pegmatite contacts at 85 to CA. | | | | | |
| | | | | | | | | | |
| **120.85** | **125.92** | | | **MAFIC METAVOLCANIC** | | | | | |
| | | | | Light green, massive, fine to medium grained, | | | | | |
| | | | | AC-PG-BO; 5-10% BO, | | | | | |
| | | | | Two metasediment intersections at 122.36- | | | | | |
| | | | | 122.68 at 90 to CA and 124.04 to 125.03 at 60 | | | | | |
| | | | | to CA. Upper contact of mafic unit at 30 to CA; | | | | | |
| | | | | lower contact at 65 to CA. | | | | | |
| | | | | | | | | | |
| **125.92** | **139.28** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 98.2 to 113.0. weak foliation at 70 to | | | | | |
| | | | | CA. This section has been cut by several <1m | | | | | |
| | | | | thick pegmatite dykes: | | | | | |
| | | | | 134.12-134.87; 0.75m white, medium to coarse | **279903** | 134.12 | 134.87 | 0.75 | 1.22 |
| | | | | grained PG-QZ-SP-FP pegmatite with ~10% SP | | | | | |
| | | | | 1-2cm crystals altered to yellowish-green; | | | | | |
| | | | | fine grained PG+MV for about 5cm at both con- | | | | | |
| | | | | tacts. Both contacts at 70 to CA. | | | | | |
| | | | | 135.47-136.08; 0.61m pegmatite dyke PG-QZ-SP | **279904** | 135.47 | 136.08 | 0.61 | 1.46 |
| | | | | FP-MV, medium to coarse grained, ~10% SP up | | | | | |
| | | | | to 3cm long crystals. Upper contact at 70 to CA | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | lower contact at 60 to CA. SP altered to yello- | | | | | |
| | | | | green soft mineral. | | | | | |
| | | | | 136.4-136.7; 0.3m PG-QZ-FP-SP pegmatite dyke | | | | | |
| | | | | medium to coarse grained, 3-5% SP one 4cm | | | | | |
| | | | | long crystal. Both contacts at 55 to CA | | | | | |
| | | | | 138.4-138.64, white, fine grained PG-QZ-FP | | | | | |
| | | | | pegmatite at 70 to CA. | | | | | |
| | | | | | | | | | |
| **139.28** | **141.21** | 1.93 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse PG-QZ-SP-MV fresh pegmatite; | **279905** | 139.28 | 140.28 | 1.00 | 2.22 |
| | | | | 10-15% SP coarse in the middle of dyke and fi- | **279906** | 140.28 | 141.21 | 0.93 | 2.22 |
| | | | | ner grained at the contacts; up to 7cm crystals | | | | | |
| | | | | in the center of dyke; minor PH and AP. 5mm | | | | | |
| | | | | garnet aggregates at 141.0m | | | | | |
| | | | | Both contacts at 70 to CA. | | | | | |
| | | | | | | | | | |
| **141.21** | **157.97** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, massive, bluish-grey PG-QZ-BO, | | | | | |
| | | | | weak foliation at variable angles to CA. | | | | | |
| | | | | 143.38-143.97; 0.59m coarse pegmatite dyke, | **279907** | 143.38 | 143.97 | 0.59 | 0.98 |
| | | | | PG-SP-QZ; 5-10% SP 1-3cm in size, as thin crys- | | | | | |
| | | | | tals. Milky white, fine grained PG+MV near the lo- | | | | | |
| | | | | wer contact. Upper contact at 70 to CA, lower | | | | | |
| | | | | contact at 60 to CA. | | | | | |
| | | | | 145.73-146.03; 0.3m PG-FP-QZ coarse pegmati- | | | | | |
| | | | | te dyke. NO visible SP; oriented at 40 to CA. | | | | | |
| | | | | 153.91-154.14; 23 cm PG+/-QZ+/-MV white, | | | | | |
| | | | | medium grained pegmatite; upper contact at 50 | | | | | |
| | | | | lower contact at 15 to CA. | | | | | |
| | | | | | | | | | |
| **157.97** | **161.88** | 3.91 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Milky white, coarse PG-SP-QZ-PH-MV pegmatite; | **279908** | 157.97 | 158.97 | 1.00 | 0.43 |
| | | | | fine grained, sugary texture PG+MV at upper | **279909** | 158.97 | 159.95 | 0.98 | 1.16 |
| | | | | contact for ~30cm; upper contact at 65 to CA. | **279910** | DUPLICATE | | | 1.11 |
| | | | | 10-15% SP as <5cm long crystals, minor AP | **279911** | 159.95 | 160.88 | 0.93 | 0.36 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Lower contact at 70 to CA. Minor, coarse light | **279912** | 160.88 | 161.88 | 1.00 | 0.99 |
| | | | | grey FP near the lower contact. | | | | | |
| | | | | | | | | | |
| **161.88** | **168.04** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, massive PG-QZ-BO; | | | | | |
| | | | | weak foliation at 70 to 80 to CA. | | | | | |
| | | | | | | | | | |
| **168.04** | **171.48** | 3.44 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Medium to coarse grained, white to light grey | **279913** | 168.04 | 169.04 | 1.00 | 0.15 |
| | | | | PG-MV-PH-FP+/-SP. Very micaceous, with abun- | **279914** | 169.04 | 170.48 | 1.44 | 0.28 |
| | | | | dant yellowish-green MV in cm size patches; | **279915** | 170.48 | 171.48 | 1.00 | 0.22 |
| | | | | coarse PG-FP-QZ-PH at the center of dyke, | | | | | |
| | | | | fine grained, milky white to light grey PG+MV | | | | | |
| | | | | elsewhere. Minor AP, small garnet aggregates | | | | | |
| | | | | at 170.2m. Upper contact at 60 to CA; lower | | | | | |
| | | | | contact at 50 to CA. | | | | | |
| | | | | | | | | | |
| **171.48** | **172.75** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 161.88 to 168.04m. | | | | | |
| | | | | | | | | | |
| **172.75** | **173.50** | 0.75 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Medium to fine grained, milky white PG-QZ-FP- | **279916** | 172.75 | 173.5 | 0.75 | 0.07 |
| | | | | MV pegmatite dyke with <3% SP altered to yello- | | | | | |
| | | | | wish-green in 1-2cm crystals. Fine grained, suga- | | | | | |
| | | | | ry textured PG+MV at both contacts for few cm | | | | | |
| | | | | Both contacts at 70 to CA. | | | | | |
| | | | | | | | | | |
| **173.50** | **181.60** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 161.88 to 168.04m. | | | | | |
| | | | | This section has been cut by short pegmatites | | | | | |
| | | | | <50cm thick at several locations: | | | | | |
| | | | | 177.6-177.76; PG-QZ-PH, medium grained peg- | | | | | |
| | | | | matite. No visible SP. Both contacts at 40 to CA. | | | | | |
| | | | | 178.09-178.56; 0.47m light grey, medium grained | **279917** | 178.09 | 178.56 | 0.47 | 0.11 |
| | | | | PG-MV-QZ-FP-PH pegmatite; no visible SP. | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 179.9-180.13; Medium to coarse PG-FP-PH-QZ | | | | | |
| | | | | pegmatite, minor apatite; no visible SP; | | | | | |
| | | | | oriented at 45 to CA. | | | | | |
| | | | | | | | | | |
| **181.60** | **184.45** | 2.85 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, PG-SP-FP-QZ-PH-MV pegmatite; 5% SP | **279918** | 181.60 | 182.60 | 1.00 | 1.06 |
| | | | | concentrated at the center of dyke as short, | **279919** | 182.60 | 183.45 | 0.85 | 1.50 |
| | | | | 1-4cm stubby crystals. | **279920** | STANDARD-HIGH | | | 1.38 |
| | | | | 183.0-183.5 some SP crystals are partially alter- | **279921** | 183.45 | 184.45 | 1.00 | 1.00 |
| | | | | ed to green serpentine like mineral. Patches of | | | | | |
| | | | | fine grained MV + milky white PG near upper con- | | | | | |
| | | | | tact. Upper contact at 80 to CA; lower contact | | | | | |
| | | | | at 85 to CA. | | | | | |
| | | | | | | | | | |
| **184.45** | **195.35** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 161.88 to 168.04m. | | | | | |
| | | | | This section is cut by two <1m thick pegmatites; | | | | | |
| | | | | 185.32-185.71; 0.39m, coarse, white PG-QZ-FP- | **279922** | 185.32 | 185.71 | 0.39 | 0.81 |
| | | | | PH-SP pegmatite dyke; 1-3%SP, rare large ~4cm | | | | | |
| | | | | crystals at center of dyke. Both contacts at 50 | | | | | |
| | | | | to CA. | | | | | |
| | | | | 187.96-188.67; 0.71m white, coarse PG-FP-SP- | **279923** | 187.96 | 188.67 | 0.71 | 0.31 |
| | | | | PH-QZ pegmatite; two to three 2cm SP crystals | | | | | |
| | | | | near center of dyke. Upper contact at 70 to CA; | | | | | |
| | | | | lower contact at 90 to CA. | | | | | |
| | | | | | | | | | |
| **195.35** | **203.39** | 8.04 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Milky white, coarse PG-SP-QZ pegmatite dyke; | **279924** | 195.35 | 196.35 | 1.00 | 1.15 |
| | | | | 15-20% SP as up to 8cm long crystals parallel to | **279925** | 196.35 | 197.85 | 1.50 | 1.75 |
| | | | | CA. From 200.85 to 202.50 smaller, 2-3cm SP | **568792** | DUPLICATE OF 279925 | | | 1.92 |
| | | | | crystals. Fine to medium grained MV in cm size | **279926** | 197.85 | 199.35 | 1.50 | 1.89 |
| | | | | patches from 198.0 to 203.39m. The upper half | **279927** | 199.35 | 200.85 | 1.50 | 1.19 |
| | | | | of pegmatite contains more PH than MV from | **279928** | 200.85 | 202.39 | 1.54 | 1.42 |
| | | | | 195.35 to 198.0m. Upper contact at 80 to CA; | **279929** | 202.39 | 203.39 | 1.00 | 0.61 |
| | | | | lower contact at 55 to CA. | **279930** | BLANK | | | <100 ppm |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **203.39** | **212.95** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 161.88 to 168.04m. | | | | | |
| | | | | Cut by two <1m thick pegmatite dykes; | | | | | |
| | | | | 209.52-210.32; 0.8m coarse, white PG-FP-QZ-SP | **279931** | 209.52 | 210.32 | 0.80 | 0.96 |
| | | | | ~10% SP as 1-3cm crystals. Both contacts at | | | | | |
| | | | | 90 to CA. | | | | | |
| | | | | 211.3-211.89; 0.59m light grey, PG-FP-SP-QZ | **279932** | 211.30 | 211.89 | 0.59 | 0.98 |
| | | | | pegmatite, coarse, 5-10% SP as up to 4cm crys- | | | | | |
| | | | | tals at the center of dyke. Upper contact 40 to | | | | | |
| | | | | CA; lower contact at 90 to CA. | | | | | |
| | | | | | | | | | |
| | | | | **212.95m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.41%/21.2m | 16.50 | 37.70 |
| 1.46%/3.59m | 71.91 | 75.50 |
| 1.83%/1.97m | 76.88 | 78.85 |
| 1.80%/3.28m | 113.00 | 116.28 |
| 2.22%/1.93m | 139.28 | 141.21 |
| 1.17%/2.85m | 181.60 | 184.45 |
| 1.52%/7.04m | 195.35 | 202.39 |

LITHIUM ONE INC.
Property : James Bay Lithium
DDH # : **JBL09-22** Start : July 25, 2009
Azimuth : 110° LOCATION UTM End : July 26, 2009
Dip: -45° 358515 mE
Elevation: 226m 5789222 mN

Drilled by : Chibougamau Diamond Drilling
Logged by : M K
**Verified by: AJMc** on July 26th, 2009

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **0.00** | **2.85** | | | **OVERBURDEN** | | | | | |
| **2.85** | **53.00** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | QZ , PG , BO , MV , AD . Fine grained, medium to dark grey, very strong foliation. In places schistose. | | | | | |
| | | | | Very strongly foliated parts may also show crenulated foliation, e.g. 23.00 to 46.oo m. Also in this | | | | | |
| | | | | portion the paragneisses show development of AD crystals o.5 to 2 cm, which are partly replaced | | | | | |
| | | | | by an aggregate of slender MV flakes. | | | | | |
| | | | | Between 11.00 - 19.00 m there are several larger aggregates of slender MV flakes 0.5 - 1.0 cm. | | | | | |
| | | | | Only very minor whitish leucocratic, fine grained, felsic mobilizate parallel to foliation, or cross- | | | | | |
| | | | | cutting foliation. | | | | | |
| | | | | Very rare coarse Pegmatite at 10.45 - 10.70 m. | | | | | |
| | | | | Only locally PY patches, e.g. near 13.00 m. Foliation variable from subparallel to CA to 60° to CA. | | | | | |
| **53.00** | **82.29** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, QZ , PG , BO , MV & Mobilizate. The whitish mobilizate is common in | | | | | |
| | | | | this portion. Mobilizate is present in narrow mm thick discontinuous layers & elongate lenses parallel | | | | | |
| | | | | to foliation. Foliation & Mobilizate layers are subparallel to CA to 50° to CA. | | | | | |
| | | | | Very minor mm thick white felsic veins x-cut foliation. | | | | | |
| **82.29** | **90.23** | 7.94 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, coarse even at contact with the Metasediments. PG white, large smoky QZ common, | **51** | 82.29 | 83.29 | 1.00 | 0.03 |
| | | | | very minor dark grey FP. Large & small SO , ~ 10%, crystals up to 7 cm. SO occur in clusters of several | **52** | 83.29 | 84.79 | 1.50 | 0.02 |
| | | | | crystals in different parts of pegmatite. The SO are very pale green, some crystals may be surrounded | **53** | 84.79 | 86.29 | 1.50 | 0.04 |
| | | | | by finely crystalline SR - MV . Minor disseminated greenish MV - PH , mm - cm flakes, & aggregates of | **54** | 86.29 | 87.79 | 1.50 | 0.04 |
| | | | | flakes. Near 87.65 a few large & small dark grey FP. | **55** | 87.79 | 89.23 | 1.44 | 0.02 |
| | | | | Upper contact at 70°, lower contact at 60° to CA. | **56** | 89.23 | 90.23 | 1.00 | 0.02 |
| **90.23** | **117.32** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Paragneisses, QZ , PG , BO , white fine grained mobilizate, well foliated, migmatitic with excellent | | | | | |
| | | | | lit-par-lit distribution of mobilizate in mm - cm layers, lenses, & discontinuous layers parallel to foliation. | | | | | |
| | | | | Thus, these are good **Metatexites**. The foliation & migmatic layers may show various angular | | | | | |
| | | | | relationship to CA. Rare mm - cm white felsic veins x-cut foliation. | | | | | |
| **117.32** | **131.39** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, foliated, **homogeneous type**, QZ - PG - BO . Very minor migmatization. | | | | | |
| | | | | Foliation at 50° to CA. A few mm - cm white felsic veins x-cut foliation. | | | | | |
| | | | | A pegmatite at 126.41 - 126.68 m, with contacts at 60° to CA. Rare dark green AP . | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **131.39** | **132.17** | 0.78 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, PG , QZ , MV - PH , SO . Upper & lower contacts at high angle to CA. | **57** | 131.39 | 132.17 | 0.78 | 0.26 |
| | | | | Pegmatite is finer grained near both contacts. No visible SO crystals. | | | | | |
| | | | | | | | | | |
| **132.17** | **133.32** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey,foliated, homogeneous type. Foliation at 55° to CA. | | | | | |
| | | | | Paragneiss similar to 117.32 - 131.39 m. | | | | | |
| | | | | | | | | | |
| **133.32** | **137.20** | 3.88 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, white, PG , QZ common , MV - PH , SO , rare dark grey FP . SO pale green, subparallel to CA, | **58** | 133.32 | 134.32 | 1.00 | 1.60 |
| | | | | with good preferred orientation of crystals. SO crystals about 5 cm long, some larger crystals 7 cm. | **59** | 134.32 | 135.22 | 0.90 | 1.36 |
| | | | | SO ~ 10 %. MV - PH mm - cm flakes common. | **60** | BLANK | | | <100ppm |
| | | | | Upper & lower contacts at 90° to CA. Pegmatite finer grained for only a few cm near both contacts. | **61** | 135.22 | 136.20 | 0.98 | 1.26 |
| | | | | | **568781** | DUPLICATE 061 | | | 1.60 |
| | | | | | **62** | 136.20 | 137.20 | 1.00 | 1.13 |
| **137.20** | **147.00** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Similar to 132.17 - 133.32 m paragneisses. | | | | | |
| | | | | 3 small Pegmatites at 140.67 - 140.88; 142.66 - 142.86; and 143.91 - 144.13 m. | | | | | |
| | | | | Also present smaller mm - cm thick white felsic veins x-cutting foliation. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | **147.00 m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.38%/3.88m | 133.32 | 137.20 |

LITHIUM ONE INC.
Property : James Bay Lithium

| | | | | | |
|---|---|---|---|---|---|
| DDH # : | **JBL09-23** | Start : | 26-jul-09 | Drilled by : | Chibougamau Diamond Drilling |
| Azimuth : | 110° | LOCATION UTM | End : 27-jul-09 | | |
| Dip: | -80° | 358541 mE | | Logged by : | A.Peshkepia |
| Elevation: | 230m | 5789340 mN | | **Verified by:** | **AJMc** on July 28th, 2009 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **1.30** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **1.30** | **12.08** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Dark grey, fine to medium grained, well foliated | | | | | |
| | | | | PG-BO-QZ; foliation from 25 to parallel to CA; | | | | | |
| | | | | migmatized, pervasive white mica from 5.4-9.0m | | | | | |
| | | | | light grey, more QZ-rich section from 9.9-12.08 | | | | | |
| | | | | m. | | | | | |
| | | | | 6.05-6.49; 0.44m PG-QZ medium grained, white | | | | | |
| | | | | pegmatite Upper contact at 70; lower contact | | | | | |
| | | | | irregular. NO visible SP. | | | | | |
| | | | | 7.12-7.86; 0.74m white, fine grained pegmatite | **279933** | 7.12 | 7.86 | 0.74 | 0.34 |
| | | | | at contacts coarse PG-QZ at the center. No | | | | | |
| | | | | visible SP. | | | | | |
| | | | | | | | | | |
| **12.08** | **18.81** | 6.73 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse PG-QZ-FP-SP+/-MV pegmatite; 10-15% | **279934** | 12.08 | 13.08 | 1.00 | 1.31 |
| | | | | SP as small cm size grains, coarser grains 5-8cm | **279935** | 13.08 | 14.58 | 1.50 | 1.53 |
| | | | | in length at the center of dyke with coarse | **279936** | 14.58 | 16.08 | 1.50 | 1.51 |
| | | | | PG-QZ and FP from 15.5 to 17.7m. Fine grained | **279937** | 16.08 | 17.58 | 1.50 | 1.29 |
| | | | | PG+MV for about 10cm at lower contact. Rare | **279938** | 17.58 | 18.81 | 1.23 | 1.41 |
| | | | | apatite, minor PH. | | | | | |
| | | | | Upper contact at 60 to CA; lower contact at 70 | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |
| **18.81** | **22.27** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Light grey, fine grained, massive, well foliated | | | | | |
| | | | | PG-QZ-BO; foliation at 60 to CA. | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **22.27** | **23.08** | | | **MAFIC METAVOLCANIC** | | | | | |
| | | | | Light green, fine grained, massive <5% 1-2mm | | | | | |
| | | | | BO porphyroblasts. Upper contact at 70 to CA; | | | | | |
| | | | | LC at 60 to CA. | | | | | |
| | | | | | | | | | |
| **23.08** | **26.60** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 18.8 to 22.27m. | | | | | |
| | | | | | | | | | |
| **26.60** | **53.57** | 26.97 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, fresh, SP-PG-QZ-PH-MV pegmatite dyke. | **279939** | 26.60 | 27.60 | 1.00 | 1.85 |
| | | | | Upper contact at 35 to CA. 25-30% SP mainly | **279940** | STANDARD-LOW | | | 0.86 |
| | | | | as <5cm light green crystals, few crystals up | **279941** | 27.60 | 29.10 | 1.50 | 1.58 |
| | | | | to 10cm long. Fine grained, sugary textured PG- | **279942** | 29.10 | 30.60 | 1.50 | 2.02 |
| | | | | MV for about 15cm at upper contact. | **279943** | 30.60 | 32.10 | 1.50 | 1.74 |
| | | | | Dark grey to brown patches of fine grained MV | **279944** | 32.10 | 33.60 | 1.50 | 1.72 |
| | | | | Coarse dark grey FP from 46.0 to 52.5m | **279945** | 33.60 | 35.10 | 1.50 | 1.84 |
| | | | | 49.0-53.0 yellowish-green alteration of parts of | **279946** | 35.10 | 36.60 | 1.50 | 2.12 |
| | | | | SP grains. The lower half of this dyke is slightly | **279947** | 36.60 | 38.10 | 1.50 | 1.84 |
| | | | | more altered. Lower contact at 60 to CA. | **279948** | 38.10 | 39.60 | 1.50 | 2.48 |
| | | | | | **279949** | 39.60 | 41.10 | 1.50 | 1.40 |
| | | | | | **279950** | DUPLICATE OF 279949 | | | 1.43 |
| | | | | | **568793** | DUPLICATE OF 279949 | | | 1.39 |
| | | | | | **279951** | 41.10 | 42.60 | 1.50 | 1.38 |
| | | | | | **279952** | 42.60 | 44.10 | 1.50 | 2.12 |
| | | | | | **279953** | 44.10 | 45.60 | 1.50 | 2.04 |
| | | | | | **279954** | 45.60 | 47.10 | 1.50 | 2.01 |
| | | | | | **279955** | 47.10 | 48.60 | 1.50 | 1.86 |
| | | | | | **279956** | 48.60 | 50.10 | 1.50 | 1.63 |
| | | | | | **279957** | 50.10 | 51.60 | 1.50 | 1.03 |
| | | | | | **279958** | 51.60 | 52.57 | 0.97 | 1.19 |
| | | | | | **279959** | 52.57 | 53.57 | 1.00 | 1.31 |
| | | | | | **279960** | STANDARD-HIGH | | | 1.39 |
| | | | | | | | | | |
| | | | | | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **53.57** | **54.68** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, massive PG-QZ-BO. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| **54.68** | **58.36** | 3.68 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, white with dark grey patches PG-FP-SP | **279961** | 54.68 | 55.68 | 1.00 | 0.68 |
| | | | | QZ pegmatite with 10-15% SP as up to 8cm | **279962** | 55.68 | 56.48 | 0.80 | 1.59 |
| | | | | long crystals; | **279963** | 56.48 | 57.36 | 0.88 | 2.17 |
| | | | | 55.31-55.41 metasediment xenolith at 90 to CA, | **279964** | 57.36 | 58.36 | 1.00 | 0.87 |
| | | | | 55.76-56.01 metasediment xenolith at 90 to CA | | | | | |
| | | | | Upper contact of pegmatite at 80 to CA; lower | | | | | |
| | | | | contact at 40 to CA. | | | | | |
| | | | | | | | | | |
| **58.36** | **59.55** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 53.37 to 54.68m, slightly more foliated. | | | | | |
| | | | | Foliation oriented at 50 to CA. | | | | | |
| | | | | | | | | | |
| **59.55** | **78.50** | 18.95 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse PG-QZ-SP-PH+/-FP pegmatite; 10-15% | **279965** | 59.55 | 60.55 | 1.00 | 2.20 |
| | | | | green, fresh SP as 2-3cm stubby crystals. | **279966** | 60.55 | 62.05 | 1.50 | 0.86 |
| | | | | 62.53-62.97; 44cm metasediment xenolith M1, | **279967** | 62.05 | 63.55 | 1.50 | 0.89 |
| | | | | upper contact at 30, lower contact at 90 to CA | **279968** | 63.55 | 65.05 | 1.50 | 0.94 |
| | | | | 64.7-65.17; 47cm metasediment xenolith, M1; | **279969** | 65.05 | 66.55 | 1.50 | 0.33 |
| | | | | upper contact at 35, lower contact at 20 to CA | **279970** | BLANK | | | <100 ppm |
| | | | | 65.45-65.85; 40cm metasediment xenolith | **279971** | 66.55 | 68.05 | 1.50 | 1.35 |
| | | | | at 45 to CA. | **279972** | 68.05 | 69.55 | 1.50 | 1.97 |
| | | | | from 66.5-69.5 SP is finner grained, pale green; | **279973** | 69.55 | 71.05 | 1.50 | 1.98 |
| | | | | 70.0-78.5 coarse SP-PG-QZ, SP crystals up to | **279974** | 71.05 | 72.55 | 1.50 | 1.19 |
| | | | | 7cm, pale green, randomly oriented. Black FP | **279975** | 72.55 | 74.05 | 1.50 | 1.93 |
| | | | | near lower contact. Fine grained PG+MV for | **279976** | 74.05 | 75.55 | 1.50 | 1.23 |
| | | | | about 15cm near lower contact. | **279977** | 75.55 | 76.55 | 1.00 | 1.67 |
| | | | | Lower contact at 80 to CA. | **279978** | 76.55 | 77.50 | 0.95 | 2.26 |
| | | | | | **279979** | 77.50 | 78.50 | 1.00 | 1.39 |
| | | | | | **279980** | STANDARD-LOW | | | 0.96 |
| | | | | | **279980rp** | | | | 0.80 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **78.50** | **108.25** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Grey, fine grained PG-QZ-BO, weak to moderate | | | | | |
| | | | | foliation at 40 to 60 to CA; short sections about | | | | | |
| | | | | 1m long of slightly coarser grained material. | | | | | |
| | | | | | | | | | |
| **108.25** | **113.8** | 5.55 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, unaltered PG-QZ-SP-PH-MV pegmatite, | **279981** | 108.25 | 109.25 | 1.00 | 0.56 |
| | | | | Light green, fresh SP at about 10% as small <3 | **279982** | 109.25 | 110.75 | 1.50 | 1.32 |
| | | | | cm long crystals perpendicular to CA. Small pat- | **279983** | 110.75 | 111.80 | 1.05 | 1.90 |
| | | | | ches of medium grained MV+PH. | **279984** | 111.80 | 112.80 | 1.00 | 1.67 |
| | | | | 10cm metasediment xenolith with fine grained | **279985** | 112.80 | 113.80 | 1.00 | 0.05 |
| | | | | mica and minor grey FP in the last meter near | | | | | |
| | | | | the lower contact. | | | | | |
| | | | | Upper contact at 40 to CA; lower contact at 45 | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |
| **113.8** | **128.6** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 78.5 to 108.25m. | | | | | |
| | | | | 118.95-119.25: 30cm white, medium to coarse | | | | | |
| | | | | grained pegmatite PG-FP-QZ-PH at 75 to CA. | | | | | |
| | | | | No visible SP. | | | | | |
| | | | | | | | | | |
| **128.6** | **134.33** | 5.73 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Greyish-white, coarse grained PG-SP-FP-PH-MV | **279986** | 128.60 | 129.60 | 1.00 | 0.22 |
| | | | | pegmatite with 15-20%SP as small 1-3cm pale | **279987** | 129.60 | 130.50 | 0.90 | 1.95 |
| | | | | green to white crystals from 129.7 to 134.33 | **279988** | 131.23 | 132.78 | 1.55 | 1.58 |
| | | | | oriented at 45 to CA; | **279989** | 132.78 | 134.33 | 1.55 | 1.67 |
| | | | | 130.5-131.23; 0.73m metasediment section, | **279990** | DUPLICATE OF 279989 | | | 1.68 |
| | | | | finr grained, grey, massive M1 (not sampled) UC | **568794** | DUPLICATE OF 279989 | | | 1.73 |
| | | | | at 60 to CA; LC at 70 to CA. | | | | | |
| | | | | Grey FP from 129 to 129.7m, trace garnet at | | | | | |
| | | | | 128.95m a 2-4mm aggregate. | | | | | |
| | | | | Upper contact of pegmatite at 60 to CA; lower | | | | | |
| | | | | contact at 55 to CA. | | | | | |
| | | | | | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **134.33** | **146.09** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Grey, fine grained, massive, weak foliation at 40 | | | | | |
| | | | | to CA; | | | | | |
| | | | | 135.25-135.45; 20cm pegmatite dyke PG-FP-QZ | | | | | |
| | | | | minor fine MV, 1-3%SP altered ~1cm grains. | | | | | |
| | | | | Whie with grey FP patches UC 55 to CA; LC 50 | | | | | |
| | | | | to CA; | | | | | |
| | | | | 136.4-136.64;24cm pegmatite dyke similar to | | | | | |
| | | | | the previously described dyke (135.25-135.45) | | | | | |
| | | | | but no visible SP. Oriented at 40 to CA. | | | | | |
| | | | | | | | | | |
| **146.09** | **149.82** | 3.73 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Medium to coarse grained, greyish-white PG-QZ | **279991** | 146.09 | 147.09 | 1.00 | 1.31 |
| | | | | FP-SP-Mv pegmatite with 10-15% SP overall | **279992** | 147.09 | 148.00 | 0.91 | 1.36 |
| | | | | small cm size SP crystals one 4cm grain at | **279993** | 148.00 | 148.82 | 0.82 | 1.52 |
| | | | | 148.82. Fine grained sugary texture PG+Mv for | **279994** | 148.82 | 149.82 | 1.00 | 1.41 |
| | | | | about 2/3 of the dyke. Upper contact at 45 to | | | | | |
| | | | | CA; Lower contact at at 50 to CA. | | | | | |
| | | | | | | | | | |
| **149.82** | **151.70** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 134.33 to 146.09; | | | | | |
| | | | | 150.52-150.87; 35cm fine to medium grained PG- | | | | | |
| | | | | QZ-FP, minor SP, pegmatite dyke with two 5-10 | | | | | |
| | | | | cm thick micaceous metasediment xenoliths. | | | | | |
| | | | | Both contacts at 60 to CA. | | | | | |
| | | | | | | | | | |
| **151.70** | **153.00** | 1.30 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Greyish-white, coarse PG-FP-QZ-SP pegmatite; | **279995** | 151.70 | 153.00 | 1.30 | 0.68 |
| | | | | ~5%SP as <2cm plae green crystals; light grey | | | | | |
| | | | | FP. Upper contact at 30 to CA; lower contact | | | | | |
| | | | | at 60 to CA. | | | | | |
| | | | | | | | | | |
| **153.00** | **155.10** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 134.33 to 146.09m. | | | | | |
| | | | | | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **155.10** | **161.87** | 6.77 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, zoned SP-PG-QZ-FP-PH-MV pegmatite; | **279996** | 155.10 | 156.10 | 1.00 | 2.41 |
| | | | | 20-25%SP as pale green 1-2cm size grains near | **279997** | 156.10 | 157.60 | 1.50 | 1.32 |
| | | | | both contacts for about one meter and coarse | **279998** | 157.60 | 159.10 | 1.50 | 1.76 |
| | | | | QZ,SP,PG,FP at the center of dyke from 156.0 | **279999** | 159.10 | 160.00 | 0.90 | 0.90 |
| | | | | to 160.0m, massive SP for about 15cm at 158.5. | **280000** | STANDARD-HIGH | | | 1.41 |
| | | | | Upper contact at 90 to CA; lower contact at 40 | **501** | 160.00 | 160.87 | 0.87 | 1.91 |
| | | | | to CA. | **502** | 160.87 | 161.87 | 1.00 | 1.37 |
| | | | | | | | | | |
| **161.87** | **176.63** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, PG-QZ-BO, massive, | | | | | |
| | | | | weak foliation at 30 to 50 to CA. | | | | | |
| | | | | 170.87-171.27; 0.4m white, fine to medium gra- | **503** | 170.87 | 171.27 | 0.40 | 0.12 |
| | | | | ined pegmatite dyke, PG-QZ-MV, sugary texture | | | | | |
| | | | | fine grained yellowish Mv; no visible SP; both | | | | | |
| | | | | contacts at 70 to CA. | | | | | |
| | | | | | | | | | |
| **176.63** | **184.16** | 7.53 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, fresh, zoned pegmatite, PG-SP | **504** | 176.63 | 177.63 | 1.00 | 0.72 |
| | | | | QZ-Mv-PH+/-FP; 15-20%SP finner grained near | **505** | BLANK | | | <100 ppm |
| | | | | near both contacts 176.63-179.0 and from | **506** | 177.63 | 179.13 | 1.50 | 1.49 |
| | | | | 183.0 to 184.16 as <2cm pale green crystals; | **507** | 179.13 | 180.63 | 1.50 | 1.16 |
| | | | | 179.0-183; coarse QZ,PG,SP; stubby SP crystals | **508** | 180.63 | 182.13 | 1.50 | 0.98 |
| | | | | up to 6cm at high angle to CA. Patches of fine | **509** | 182.13 | 183.16 | 1.03 | 1.73 |
| | | | | grained MV at 179.0m, up to 1cm Apatite grains | **510** | 183.16 | 184.16 | 1.00 | 0.75 |
| | | | | at 182.5m. | | | | | |
| | | | | Upper contact at 60 to CA; lower contact at | | | | | |
| | | | | 45 to CA. | | | | | |
| | | | | | | | | | |
| **184.16** | **186.3** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 161.87 to 176.63m. | | | | | |
| | | | | | | | | | |
| **186.3** | **192.05** | | | **MAFIC METAVOLCANIC** | | | | | |
| | | | | Fine grained, green, massive, weak foliation, | | | | | |
| | | | | ~20% BO as porphyroblasts up to 1cm in size | **511** | 189.11 | 189.70 | 0.59 | 0.02 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | some of them stretched along foliation planes. | | | | | |
| | | | | 189.11-189.7; 0.59m greyish-white, fine grained | | | | | |
| | | | | PG-FP-QZ pegmatite dyke; a small tourmaline | | | | | |
| | | | | patch near Lower contasct with specks of pyrite | | | | | |
| | | | | and a fine grained, bluish mineral, berilium along | | | | | |
| | | | | the edges. Both contacts at 55 to CA. | | | | | |
| | | | | Upper contact of the mafic volcanic at 60 to CA. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | **192.05m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.42%/6.73m | 12.08 | 18.81 |
| 1.76%/26.97m | 26.60 | 53.57 |
| 1.51%/2.68m | 55.68 | 58.36 |
| 1.40%/18.95m | 59.55 | 78.50 |
| 1.59%/3.55m | 109.25 | 112.80 |
| 1.45%/4.73m | 129.60 | 134.33 |
| 1.39%/3.73m | 146.09 | 149.82 |
| 1.60%/6.77m | 155.10 | 161.87 |
| 1.31%/5.53m | 177.63 | 183.16 |

LITHIUM ONE INC.
Property : James Bay Lithium
DDH # : **JBL09-24** Start : July 26, 2009
Azimuth : 110° LOCATION UTM End : July 27, 2009
Dip: -45° 358555 mE
Elevation: 223m 5789389 mN

Drilled by : Chibougamau Diamond Drilling
Logged by : M K
**Verified by:** **AJMc** on July 27th,2009

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **0.00** | **4.35** | | | **OVERBURDEN** | | | | | |
| **4.35** | **6.00** | | | **BOULDERS & BROKEN MATERIAL** | | | | | |
| | | | | generally of Metasediments. | | | | | |
| **6.00** | **6.35** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | fine grained, grey, foliated, homoheneous type. | | | | | |
| **6.35** | **6.65** | | **I3** | **MAFIC DYKE** | | | | | |
| | | | | Greenish, medium grained, homogeneous, with mm BO flakes. | | | | | |
| **6.65** | **11.91** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, foliated, homogeneous type, Foliation at 60° to CA. | | | | | |
| | | | | A few mm - cm white felsic veins at high angle to CA. | | | | | |
| **11.91** | **13.00** | 1.09 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, white. Upper and lower contacts at 50° to CA. PG , QZ , MV - PH , a few large dark grey FP . | **63** | 11.91 | 13.00 | 1.09 | 0.07 |
| | | | | Only rare SO , partly altered. | | | | | |
| **13.00** | **21.83** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, foliated, homogeneous type, qZ , PG , BO , MV . | | | | | |
| | | | | A few mm - cm white felsic veins. Thick white pegmatite veins at 14.03 - 14.23 m, & 15.43 - 15.63 m. | | | | | |
| | | | | No visible SO in these 2 pegmatites. | | | | | |
| **21.83** | **46.00** | 24.17 | **I1G** | **PEGMATITE** (very good section) | | | | | |
| | | | | White, coarse white PG , QZ , MV - PH , SO . Very minor dark grey FP . Upper & lower contacts at | **64** | 21.83 | 22.83 | 1.00 | 0.26 |
| | | | | high angle to 90° to CA. SO tends to be in larger crystals in the upper 2/3 of the pegmatite where SO | **65** | 22.83 | 24.33 | 1.50 | 2.01 |
| | | | | crystals vary commonly between 5 - 15 cm in length. SO crystals are generally between 30° to CA to | **66** | 24.33 | 25.83 | 1.50 | 1.85 |
| | | | | subparallel to CA. SO ~ 20 % in upper 2/3 of pegmatite. | **67** | 25.83 | 27.33 | 1.50 | 2.03 |
| | | | | In lower 1/3 of pegmatite, SO crystals are somewhat smaller, 3 - 5 cm, and about 10 - 15 %. Some | **68** | 27.33 | 28.83 | 1.50 | 1.42 |
| | | | | larger SO may also be present. | **69** | 28.83 | 30.33 | 1.50 | 1.85 |
| | | | | | **70** | BLANK | | | <100ppm |
| | | | | | **71** | 30.33 | 31.83 | 1.50 | 0.71 |
| | | | | | **72** | 31.83 | 33.33 | 1.50 | 1.73 |
| | | | | | **73** | 33.33 | 34.83 | 1.50 | 1.46 |
| | | | | | **74** | 34.83 | 36.33 | 1.50 | 1.39 |
| | | | | | **75** | 36.33 | 37.83 | 1.50 | 1.41 |
| | | | | | **76** | 37.83 | 39.33 | 1.50 | 1.92 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | **77** | 39.33 | 40.83 | 1.50 | 1.17 |
| | | | | | **78** | 40.83 | 42.33 | 1.50 | 2.07 |
| | | | | | **79** | 42.33 | 43.66 | 1.33 | 0.98 |
| | | | | | **568814** | DUPLICATE | | | 1.08 |
| | | | | | **80** | 43.66 | 44.33 | 0.67 | 0.38 |
| | | | | | **81** | 44.33 | 45 | 0.67 | 1.65 |
| | | | | | **82** | 45 | 46 | 1.00 | 1.56 |
| | | | | | | | | | |
| **46.00** | **49.25** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, dark grey, well foliated, homogeneous type. Foliation generally at high angle to CA. | | | | | |
| | | | | Only rare narrow felsic veins. | | | | | |
| | | | | | | | | | |
| **49.25** | **54.80** | 5.55 | **I1G** | **PEGMATITE** (good section for SO ) | | | | | |
| | | | | White, coarse even near the contacts. White PG , common smoky QZ , minor large dark grey FP . | **83** | 49.25 | 50.25 | 1.00 | 2.04 |
| | | | | SO crystals ~ 10 %, commonly 3 cm - 7 cm long, generally oriented at 30° to CA. | **84** | 50.25 | 51.25 | 1.00 | 1.40 |
| | | | | Pale green MV - PH in mm - cm flakes & clusters. | **85** | 51.25 | 52.25 | 1.00 | 2.12 |
| | | | | Upper contact at high angle to CA & lower contact at 20° to CA. | **86** | 52.25 | 53.80 | 1.55 | 1.25 |
| | | | | | **87** | 53.80 | 54.80 | 1.00 | 0.84 |
| | | | | | | | | | |
| **54.80** | **56.73** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, well foliated, homogeneous type, with foliation at 45 - 60° to CA. | | | | | |
| | | | | | | | | | |
| **56.73** | **57.80** | 1.07 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse. PG , QZ , dark grey FP , MV - PH , SO . Very minor SO ~ 3 %. | **88** | 56.73 | 57.8 | 1.07 | 0.57 |
| | | | | Possibly pale pink GR in 2 irregular patches (5 cm) at 57.70 m near lower contact. | | | | | |
| | | | | Upper contact 30° to CA; lower contact 50° to CA. | | | | | |
| | | | | | | | | | |
| **57.80** | **59.50** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, foliated, homogeneous type. | | | | | |
| | | | | Foliation at high angle to CA. | | | | | |
| | | | | | | | | | |
| **59.50** | **60.32** | 0.82 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, somewhat greenish by presence of SR - MV . | **89** | 59.50 | 60.32 | 0.82 | 0.94 |
| | | | | Coarse white PG , dark grey FP , QZ , MV - PH , SO . | **90** | STANDARD LOW | | | 0.81 |
| | | | | Minor SO , 3 - 5 %, pale green, some crystals up to 3 cm. | | | | | |
| | | | | Upper contact 45° to CA, lower contact 65° to CA. | | | | | |
| | | | | | | | | | |
| **60.32** | **61.24** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine, medium grey, foliated, homogeneous type. Foliation at high angle to CA. | | | | | |
| | | | | Rare narrow mm felsic veins. | | | | | |
| | | | | | | | | | |
| **61.24** | **62.00** | 0.76 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, PG , QZ , very minor dark grey FP , MV - PH , SO . | **91** | 61.24 | 62.00 | 0.76 | 1.04 |
| | | | | SO 3 - 5 %, crystals generally 1 - 3 cm subparallel to CA. | | | | | |
| | | | | Both upper & lower contacts at high angle to CA. | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **62.00** | **66.18** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, well foliated with foliation at high angle to CA. | | | | | |
| | | | | One white pegmatite vein at 65.48 - 65.61 m. | | | | | |
| | | | | | | | | | |
| **66.18** | **69.25** | 3.07 | **I1G** | **PEGMATITE** (Good section) | | | | | |
| | | | | Coarse, even near contacts, white, PG , QZ , rare dark grey FP , MV - PH , SO . | **92** | 66.18 | 67.68 | 1.50 | 0.77 |
| | | | | SO 10 - 15 %, pale green, crystals generally 1 - 5 cm, but some rare crystals up to 15 cm. | **93** | 67.68 | 69.25 | 1.57 | 1.80 |
| | | | | SO crystals subparallel to CA. | | | | | |
| | | | | Upper contact 55˚ to CA, lower contact 90˚ to CA. | | | | | |
| | | | | | | | | | |
| **69.25** | **84.77** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, well foliated, foliation at high angle to CA. | | | | | |
| | | | | Several mm - cm white, fine to medium grained, felsic veins. | | | | | |
| | | | | 2 thicker coarser pegmatite at 69.83 - 70.00 m, & 72.89 - 73.42 m. The second pegmatite contains | | | | | |
| | | | | an enclave of M1 . Both pegmatites have contacts at high angle to CA. No visible SO in 2 pegmatites. | | | | | |
| | | | | | | | | | |
| **84.77** | **85.31** | 0.54 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, white, coarse even at contacts. Upper contact 90˚ to CA, lower contact 50˚ to CA. | **94** | 84.77 | 85.31 | 0.54 | 0.03 |
| | | | | PG , QZ , MV - PH , no visible SO . | | | | | |
| | | | | | | | | | |
| **85.31** | **85.88** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, foliated, homogeneous type. | | | | | |
| | | | | | | | | | |
| **85.88** | **88.97** | 3.09 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse even at contacts, PG , QZ , MV - PH , SO . | **95** | 85.88 | 86.88 | 1.00 | 0.45 |
| | | | | SO , pale green, crystals form clusters in different parts, some large crystals up to 5 cm. | **96** | 86.88 | 87.97 | 1.09 | 1.47 |
| | | | | SO crystals ~ 45˚ to CA. | **97** | 87.97 | 88.97 | 1.00 | 0.13 |
| | | | | Upper contact 90˚ to CA, lower contact 50˚ to CA. | | | | | |
| | | | | | | | | | |
| **88.97** | **94.50** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey,homogeneous type. Foliation 50˚ - 70˚ to CA. | | | | | |
| | | | | Rare narrow mm felsic veins. | | | | | |
| | | | | | | | | | |
| **94.50** | **96.85** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Foliated, dark green, matrix fine grained with abundant, 30 %, BO phenocrysts generally ~ 5 mm, | | | | | |
| | | | | & some up to 1 cm, uniformly distributed. Upper contact 90˚ to CA, lower contact 50˚ to CA. | | | | | |
| | | | | | | | | | |
| **96.85** | **98.13** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, homogeneous type. | | | | | |
| | | | | A few narrow mm - cm white felsic veins. | | | | | |
| | | | | | | | | | |
| **98.13** | **98.37** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Foliated, dark green, matrix fine grained with abundant BO phenocrysts uniformly distributed. | | | | | |
| | | | | BO phenocrysts show preferred orientation and define foliation. Both contacts at high angle to CA. | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **98.37** | **99.10** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same fine grained grey, homogeneous type. | | | | | |
| | | | | | | | | | |
| **99.10** | **99.37** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Same foliated, dark green mafic volcanics with common and uniformly distributed BO phenocrysts. | | | | | |
| | | | | | | | | | |
| **99.37** | **107.90** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, well foliated. Foliation at 30˚ to 90˚ to CA. | | | | | |
| | | | | A few mm - cm white felsic veins at 60˚ to 90˚ to CA. | | | | | |
| | | | | A thicker white pegmatite at 105.50 - 105.83 m, with both contacts at 90˚ to CA. | | | | | |
| | | | | Pegmatite with PG , QZ , minor dark grey FP , MV , no visible SO . | | | | | |
| | | | | | | | | | |
| **107.90** | **109.40** | 1.50 | **I1G** | **PEGMATITE** (Good section) | | | | | |
| | | | | Coarse, white, PG , QZ , MV - PH , minor dark grey FP , SO . | **98** | 107.90 | 109.40 | 1.50 | 0.94 |
| | | | | SO 10 - 15 %, pale green, several large crystals up to 6 cm. | **99** | BLANK | | | <100 ppm |
| | | | | Upper & lower contacts at 50˚ to CA. | | | | | |
| | | | | | | | | | |
| **109.40** | **119.01** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, homogeneous type. A few mm - cm felsic veins at different angles to CA. | | | | | |
| | | | | A thicker white pegmatite at 113.35 - 113.54 m, with both contacts at 60˚ to CA. | | | | | |
| | | | | Pegmatite also contains several dark grey FP . No visible SO in pegmatite. | | | | | |
| | | | | | | | | | |
| **119.01** | **121.87** | 2.86 | **I1G** | **PEGMATITE** (Very good section with long SO crystals up to 12 cm) | | | | | |
| | | | | White, coarse even near contacts. Both contacts at 90˚ to CA. | **100** | 119.01 | 120.44 | 1.43 | 1.43 |
| | | | | PG , QZ common, MV - PH , very minor dark grey FP . | **101** | 120.44 | 121.87 | 1.43 | 1.34 |
| | | | | Crystals SO up to 12 cm, SO ~ 15 % fresh, pale green, crystals oriented subparallel to CA. | | | | | |
| | | | | | | | | | |
| **121.87** | **133.10** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, homogeneous type, as well as very thinly layered in parts. | | | | | |
| | | | | Foliation varying between 30˚ to 90˚ to CA. | | | | | |
| | | | | Several mm - cm white felsic veins from 45˚ to 90˚ to CA. | | | | | |
| | | | | | | | | | |
| **133.10** | **136.18** | 3.08 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, minor large & small dark grey FP , PG , QZ , MV - PH , minor SO . | **102** | 133.10 | 134.03 | 0.93 | 0.96 |
| | | | | Samples **102** & **103** from Pegmatite at **133.10 - 134.96 m** (with SO < 5 %, crystals 2 - 3 cm). | **103** | 134.03 | 134.96 | 0.93 | 1.12 |
| | | | | Sample **104** contains Pegmatite at 135.42 to 135.77 (with no visible SO ), & | **104** | 134.96 | 136.18 | 1.22 | 0.46 |
| | | | | 2 M1 bands at 134.96 to 135.42 m & 135,77 to 136.18 m. The M1 bands are well foliated to schistose | | | | | |
| | | | | & contain elongate 0.5 cm MV flakes. Minor SM may be associated with MV . | | | | | |
| | | | | | | | | | |
| **136.18** | **139.71** | 3.53 | **I1G** | **PEGMATITE** (Good section) | | | | | |
| | | | | White, coarse, PG , QZ , dark grey FP , MV - PH , SO. | **105** | 136.18 | 137.18 | 1.00 | 1.11 |
| | | | | SO ~ 10 %, long crystals up to 10 cm, subparallel to CA. | **106** | 137.18 | 138.71 | 1.53 | 1.31 |
| | | | | Upper & lower contacts at high angle to CA. Finer grained for a few cm near both contacts. | **107** | 138.71 | 139.71 | 1.00 | 1.96 |
| | | | | | **108** | STANDARD HIGH | | | 1.41 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **139.71** | **140.60** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, well foliated, homogeneous type. | | | | | |
| | | | | Contains 2 pegmatite veins - 4 cm thick at 139.83 m & 12 cm thick at 139.95. | | | | | |
| | | | | | | | | | |
| **140.60** | **141.35** | 0.75 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse white. PG , large QZ , MV - PH , SO . | **109** | 140.60 | 141.35 | 0.75 | 1.63 |
| | | | | SO ~ 5 %, crystals up to 4 cm subparallel to CA. | | | | | |
| | | | | | | | | | |
| **141.35** | **145.13** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, well foliated, with foliation at 50˚ to 70˚ to CA, homogeneous type. | | | | | |
| | | | | 3 white felsic veins ~ 5 cm thick at high angle to CA. | | | | | |
| | | | | | | | | | |
| **145.13** | **146.09** | 0.96 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, white. Upper contact 90˚ to CA, & lower contact interdigits with M1. | **110** | 145.13 | 146.09 | 0.96 | 0.14 |
| | | | | SO ~ 3 %, small crystals 0.5 - 2 cm. | | | | | |
| | | | | | | | | | |
| **146.09** | **146.49** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, homogeneous type, well foliated with foliation at high angle to CA. | | | | | |
| | | | | | | | | | |
| **146.49** | **147.46** | 0.97 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, finer grained near contacts. | **111** | 146.49 | 147.46 | 0.97 | 0.59 |
| | | | | Upper contact 90˚ to CA, & lower contact interdigits with M1 . | | | | | |
| | | | | Only minor SO ~ 3 %, small crystals 0.5 - 2 cm. | | | | | |
| | | | | | | | | | |
| **147.46** | **148.52** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, well foliated, homogeneous type. Foliation at 60˚ to CA. | | | | | |
| | | | | Near upper contact a mm felsic vein shows ptygmatic folds. | | | | | |
| | | | | | | | | | |
| **148.52** | **149.61** | 1.09 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, finer grained at contacts. | **112** | 148.52 | 149.61 | 1.09 | 0.67 |
| | | | | Upper contact interdigits with M1 , & lower contact at 90˚ to CA. | | | | | |
| | | | | SO ~ 10 %, crystals generally 1 - 2 cm, subparallel to CA. Common SO in central part. | | | | | |
| | | | | | | | | | |
| **149.61** | **150.00** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, homogeneous type. Well foliated, foliation 70˚ - 80˚ to CA. | | | | | |
| | | | | | | | | | |
| **150.00** | **151.00** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Well foliated, with abundant 5 mm - 1 cm BO phenocrysts showing foliation by preferred orientation. | | | | | |
| | | | | Foliation 60˚ to CA. Near lower contact M1 at 150.94 - 151.00 m. | | | | | |
| | | | | | | | | | |
| **151.00** | **156.38** | 5.38 | **I1G** | **PEGMATITE** (Very good section) | | | | | |
| | | | | Coarse, white, coarse even at contacts. PG , common large smoky QZ , MV - PH , SO . | **113** | 151.00 | 152.00 | 1.00 | 2.00 |
| | | | | SO ~ 15 %, crystals 2 - 7 cm, subparallel to perfectly parallel to CA. | **114** | 152.00 | 153.12 | 1.12 | 2.03 |
| | | | | Upper & lower contacts at high angle to CA. | **115** | 153.12 | 154.24 | 1.12 | 1.72 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | **568815** | DUPLICATE | | | 1.47 |
| | | | | | **116** | 154.24 | 155.38 | 1.14 | 2.14 |
| | | | | | **117** | 155.38 | 156.38 | 1.00 | 1.29 |
| | | | | | | | | | |
| **156.38** | **156.69** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, well foliated, homogeneous type. A 3 cm white felsic vein near lower contact. | | | | | |
| | | | | | | | | | |
| **156.69** | **164.90** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Well foliated with abundant BO phenocrysts 5 mm - 1 cm. | | | | | |
| | | | | Upper contact 90˚ to CA, & lower contact 50˚ to CA. Rare mm - cm white felsic veins. | | | | | |
| | | | | A thick Pegmatite at 163.30 - 163.67 m, with contacts at high angle to CA. No visible SO ??. | | | | | |
| | | | | | | | | | |
| **164.90** | **165.13** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, homogeneous type. Foliation at 40˚ to CA | | | | | |
| | | | | | | | | | |
| | | | | **165.13 m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.55%/23.17m | 22.83 | 46.00 |
| 1.50%/5.55m | 49.25 | 54.80 |
| 1.39%/2.86m | 119.01 | 121.87 |
| 1.44%/3.53m | 136.18 | 139.71 |
| 1.84%/5.38m | 151.00 | 156.38 |

LITHIUM ONE INC.
Property : James Bay Lithium
DDH # : **JBL09-25** Start : July 28, 2009
Azimuth : 110° LOCATION UTM End : July 29, 2009
Dip: -80° 358555 mE
Elevation: 224m 5789389 mN
Drilled by : Chibougamau Diamond Drilling
Logged by : M K
**Verified by:** **AJMc** on July 29th,2009
LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **0.00** | **3.20** | | | **OVERBURDEN** | | | | | |
| **3.20** | **14.80** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, well foliated, homogeneous type. Foliation from 20° to 70° to CA. | | | | | |
| | | | | A few mm white felsic veins. A few thicker pegmatite veins at 9.67 - 9.92 m,12.63 - 12.72 m, | | | | | |
| | | | | 14.30 -14.48 m, & 14.55 - 14.70 m. | | | | | |
| **14.80** | **15.47** | 0.67 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, PG , common large QZ , MV - PH , dark grey FP , possibly very minor altered SO . | **118** | 14.80 | 15.47 | 0.67 | 1.08 |
| | | | | Upper & lower contacts 60° to CA. In lower parts several prismatic crystals replaced by fine greenish | | | | | |
| | | | | mica surrounded by white feldspar (likely Albite). Thus, greenish patches may represent altered SO. | | | | | |
| **15.47** | **27.00** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, homogeneous type. Foliation 45° to 70° to CA. | | | | | |
| | | | | A few mm, & rare cm white felsic veins. | | | | | |
| **27.00** | **34.00** | 7.00 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | Coarse even at both contacts, white, PG , large QZ , MV - PH , minor large, small dark grey FP , SO . | **119** | 27.00 | 28.00 | 1.00 | 1.08 |
| | | | | Pale green SO ~ 10 - 15 %, oriented 20° to 30° to CA, crystals 1 - 10 cm long. | **120** | 28.00 | 29.50 | 1.50 | 1.47 |
| | | | | Upper contact 50° to CA, & lower contact 30° to CA. | **121** | 29.50 | 31.00 | 1.50 | 1.50 |
| | | | | | **122** | 31.00 | 32.50 | 1.50 | 2.37 |
| **34.00** | **36.30** | | **M2** | **METASEDIMENT** | **123** | 32.50 | 34.00 | 1.50 | 1.22 |
| | | | | Fine grained, medium grey, well foliated. Foliation 40° to CA. | | | | | |
| | | | | Lower parts show stronger foliation. | | | | | |
| **36.30** | **53.14** | 16.84 | **I1G** | **PEGMATITE (Very good section)** | | | | | |
| | | | | White, coarse - even near contacts. Both upper & lower contacts 50° to CA. | **124** | 36.30 | 37.30 | 1.00 | 1.49 |
| | | | | PG , common large & small dark grey FP , MV - PH , SO . | **125** | 37.30 | 38.80 | 1.50 | 2.24 |
| | | | | Pale green SO 10 - 15 %, crystals usually 1 - 3 cm, but several large crystals 7 - 10 cm long. | **126** | 38.80 | 40.30 | 1.50 | 1.45 |
| | | | | SO crystals oriented 30° - 50° to CA. | **127** | STANDARD LOW | | | 0.84 |
| | | | | Very rare GR - a 2 cm reddish patch at 46.45 m. | **128** | 40.30 | 41.80 | 1.50 | 2.00 |
| | | | | An enclave of M1 at 42.65 - 43.12 m. - Sample 129. | **129** | 41.80 | 43.30 | 1.50 | 0.84 |
| | | | | | **130** | 43.30 | 44.80 | 1.50 | 1.20 |
| | | | | | **131** | 44.80 | 46.30 | 1.50 | 1.60 |
| | | | | | **132** | 46.30 | 47.80 | 1.50 | 1.47 |
| | | | | | **133** | 47.80 | 49.30 | 1.50 | 1.22 |
| | | | | | **134** | 49.30 | 50.80 | 1.50 | 1.18 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | **135** | 50.80 | 52.14 | 1.34 | 1.97 |
| | | | | | **136** | 52.14 | 53.14 | 1.00 | 1.61 |
| | | | | | | | | | |
| **53.14** | **53.50** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, homogeneous type. | | | | | |
| | | | | | | | | | |
| **53.50** | **67.04** | 13.54 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White, coarse, finer grained near lower contact. Lower contact 30˚ to CA. | **137** | 53.50 | 54.50 | 1.00 | 1.39 |
| | | | | PG , common large QZ , common large & small dark grey FP , MV - PH , SO . | **138** | BLANK | | | <100 ppm |
| | | | | Pale green SO ~ 10 - 15 %, crystals 1 - 3 cm, larger crystals 5 - 7 cm. | **139** | 54.50 | 56.00 | 1.50 | 1.97 |
| | | | | Crystals oriented 40˚ - 50˚ to CA. | **140** | 56.00 | 57.50 | 1.50 | 0.98 |
| | | | | | **141** | 57.50 | 59.00 | 1.50 | 2.04 |
| | | | | | **142** | 59.00 | 60.50 | 1.50 | 1.66 |
| | | | | | **143** | 60.50 | 62.00 | 1.50 | 1.41 |
| | | | | | **144** | 62.00 | 63.50 | 1.50 | 1.65 |
| | | | | | **145** | 63.50 | 64.77 | 1.27 | 1.44 |
| | | | | | **146** | 64.77 | 66.04 | 1.27 | 1.02 |
| | | | | | **147** | 66.04 | 67.04 | 1.00 | 1.77 |
| | | | | | | | | | |
| **67.04** | **84.77** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained medium grey, well foliated, homogeneous type. | | | | | |
| | | | | Several mm - cm & some thicker felsic veins, pegmatite veins. Some mm veins show Ptygmatic folds. | | | | | |
| | | | | Some thicker pegmatite veins at 68.85 - 69.12, 73.68 - 73.88, 74.02 - 74.30, & 78.10 - 78.17 m. | | | | | |
| | | | | Some parts of M1 with stronger foliation. Foliation 40˚ to 60˚ to CA. | | | | | |
| | | | | | | | | | |
| **84.77** | **90.08** | 5.31 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, white, PG , common QZ , common large & small dark grey FP , MV - PH , SO . | **148** | 84.77 | 85.77 | 1.00 | 1.28 |
| | | | | Pale green fresh SO ~ 10 %, crystals oriented 30˚ - 40˚ to CA, crystals up to 5 cm long. | **149** | STANDARD HIGH | | | 1.28 |
| | | | | Lower contact 45˚ to CA, upper contact 40˚ to CA. | **150** | 85.77 | 86.87 | 1.10 | 1.94 |
| | | | | | **151** | 86.87 | 87.97 | 1.10 | 0.63 |
| | | | | | **152** | 87.97 | 89.08 | 1.11 | 0.17 |
| | | | | | **153** | 89.08 | 90.08 | 1.00 | 0.04 |
| | | | | | | | | | |
| **90.08** | **100.14** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, well foliated, medium grey, homogeneous type. | | | | | |
| | | | | Foliation 40˚ - 55˚ to CA. | | | | | |
| | | | | | | | | | |
| **100.14** | **100.60** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Well foliated, dark green, with ~ 0.5 cm BO phenocrysts oriented parallel to foliation. | | | | | |
| | | | | Foliation 40˚ - 50˚ to CA. | | | | | |
| | | | | | | | | | |
| **100.60** | **101.00** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same fine grained, homogeneous type. | | | | | |
| | | | | | | | | | |
| **101.00** | **103.45** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Same mafic volcanics with 0.5 cm BO phenocrysts define foliation by their preferred orientation. | | | | | |
| | | | | Foliation 35˚ - 45˚ to CA. Upper contact 90˚ to CA, & lower contact 40˚ to CA. | | | | | |
| | | | | | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **103.45** | **179.95** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, well foliated, homogeneous type. Foliation 30˚ - 50˚ to CA. | | | | | |
| | | | | Several mm white felsic veins, some show Ptygmatic folds. | | | | | |
| | | | | Some thicker white pegmatite veins at 138.16 - 138.70 m (contacts 50˚ to CA); | | | | | |
| | | | | 139.35 - 139.63 m (contacts 65˚ to CA); 139.84 -140.35 m (contacts 55˚ to CA); | | | | | |
| | | | | 141.82 - 141.93 m (contacts 50˚ to CA); 147.20 - 147.35 m (contacts 60˚ to CA); & | | | | | |
| | | | | 167.28 - 167.42 m (contacta 45˚ to CA). | | | | | |
| | | | | From near 173 m to EOH at 179.95 m the foliation is subparallel to CA, and there is somewhat more | | | | | |
| | | | | migmatization shown by mm white mobilizate parallel to foliation. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | **179,95 m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.56%/7.00m | 27.00 | 34.00 |
| 1.52%/16.84m | 36.30 | 53.14 |
| 1.54%/13.54m | 53.5 | 67.04 |
| 1.63%/2.10m | 84.77 | 86.87 |

LITHIUM ONE INC.
Property : James Bay Lithium
DDH # : **JBL09-26** Start : July 29, 2009
Azimuth : 110° LOCATION UTM End : July 30, 2009
Dip: -60° 358546 mE
Elevation: 216m 5789439 mN

Drilled by : Chibougamau Diamond Drilling
Logged by : M K
**Verified by: AJMc** on July 30th, 2009

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **0.00** | **3.10** | | | **OVERBURDEN** | | | | | |
| **3.10** | **10.49** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, homogeneous type. | | | | | |
| | | | | Well foliated, foliation 45° - 60° to CA. Only a few mm white felsic veins. | | | | | |
| **10.49** | **16.25** | 5.76 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse even near contacts. Upper contact 70° to CA, & lower contact 30° to CA. | **154** | 10.49 | 11.49 | 1.00 | 0.02 |
| | | | | PG , common QZ , very rare dark grey FP , MV - PH up to 3 cm, SO . | **155** | 11.49 | 12.74 | 1.25 | 0.32 |
| | | | | Pale green SO ~ 10 - 15 %, crystals up to 4 cm, possibly some SO partly altered. | **156** | 12.74 | 13.99 | 1.25 | 1.15 |
| | | | | | **568816** | DUPLICATE | | | 1.02 |
| | | | | | **157** | 13.99 | 15.25 | 1.26 | 0.35 |
| | | | | | **158** | 15.25 | 16.25 | 1.00 | 0.03 |
| **16.25** | **17.95** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, well foliated, homogeneous type. | | | | | |
| | | | | One 5 cm thick felsic vein at 17.40 m. | | | | | |
| **17.95** | **23.29** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Greenish, with good foliation marked by the preferred orientation of BO phenocrysts 0.5 - 1 cm. | | | | | |
| | | | | Upper contact 40° to CA, & lower contact 90° to CA. | | | | | |
| | | | | Foliation 50° - 60° to CA. A cm white felsic vein near the lower part. | | | | | |
| **23.29** | **39.02** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, well foliated. Foliation 30° - 50° to CA. | | | | | |
| | | | | A few mm - cm white felsic veins. A thicker felsic vein at 27.95 - 28.20 m, contacts 30° to CA. | | | | | |
| **39.02** | **53.97** | 14.95 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White, coarse even at contacts. Contacts at high angle to CA. | **159** | 39.02 | 40.02 | 1.00 | 0.29 |
| | | | | PG , QZ common, very minor large & small dark grey FP , MV - PH pale green up to 3 cm, SO . | **160** | 40.02 | 41.52 | 1.50 | 2.20 |
| | | | | SO 10 - 15 %, crystals at low angles & subparallel to CA. | **161** | 41.52 | 43.02 | 1.50 | 1.97 |
| | | | | SO crystals 1 - 2 cm, larger crystals 5 - 7 cm. In places smaller crystals occur in clusters. | **162** | 43.02 | 44.52 | 1.50 | 1.08 |
| | | | | | **163** | 44.52 | 46.02 | 1.50 | 1.16 |
| | | | | | **164** | 46.02 | 47.52 | 1.50 | 1.87 |
| | | | | | **165** | 47.52 | 49.02 | 1.50 | 1.51 |
| | | | | | **166** | 49.02 | 50.52 | 1.50 | 1.82 |
| | | | | | **167** | 50.52 | 51.77 | 1.25 | 1.43 |
| | | | | | **168** | STANDARD HIGH | | | 1.35 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | **169** | 51.77 | 52.97 | 1.20 | 1.61 |
| | | | | | **170** | 52.97 | 53.97 | 1.00 | 0.73 |
| | | | | | | | | | |
| **53.97** | **62.80** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, well foliated, homogeneous type. Foliation 30˚ - 50˚ to CA. | | | | | |
| | | | | A few mm - cm felsic veins. A thicker pegmatite vein at 59.92 - 60.32 m, both contacts 60˚ to CA. | | | | | |
| | | | | | | | | | |
| **62.80** | **92.60** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Greenish with abundant BO phenocrysts 3 - 7 mm. | | | | | |
| | | | | Foliated, but foliation rather weaker compared to other similar rocks in other sections. | | | | | |
| | | | | Foliation 40˚ to CA. Upper contact 75˚ to CA, & lower contact 40˚ to CA. | | | | | |
| | | | | Rare mm - cm white felsic veins. A thicker vein at 68.37 - 68.44 m. | | | | | |
| | | | | | | | | | |
| **92.60** | **96.86** | | **V2** | **FP PORPHYRY (Felsic Volcanics)** | | | | | |
| | | | | Possibly Dacitic in composition. Fine grained, light to medium grey. | | | | | |
| | | | | Common white mm PG phenocrysts, & possibly minor QZ phenocrysts. Minor BO , MV . | | | | | |
| | | | | Minor common disseminated PY , AS - 1 to 2 %, fine grained, interstitial. | | | | | |
| | | | | A few mm - cm felsic veins & QZ veins. QZ veins up to 3 cm thick, QZ smoky or white. | | | | | |
| | | | | | | | | | |
| **96.86** | **99.70** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Same as 62.80 - 92.60 m, greenish, weak foliation 50˚ to CA. | | | | | |
| | | | | Lower contact, between 99.40 - 99.70 m, is a diffused contact with the FP - PORPHYRY. | | | | | |
| | | | | | | | | | |
| **99.70** | **104.40** | | **V2** | **FP PORPHYRY (Felsic Volcanics)** | | | | | |
| | | | | Same Dacitic composition, mm PG phenocrysts set in a light grey, fine grained matrix. | | | | | |
| | | | | Minor disseminated interstitial PY , AS , 1 - 2 %, BO , MV . Also, some fractures may contain SF . | | | | | |
| | | | | Rare mm - cm felsic veins & QZ veins with diffused contacts. | | | | | |
| | | | | Lower contact nearly subparallel to CA. | | | | | |
| | | | | | | | | | |
| **104.40** | **111.05** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Greenish, weakly foliated, with small 3 - 5 mm BO phenocrysts. | | | | | |
| | | | | | | | | | |
| **111.05** | **112.80** | | **V2** | **FP PORPHYRY (Felsic Volcanics)** | | | | | |
| | | | | Possibly Dacitic in composition. Both upper & lower contacts with Mafic Volcanics subparallel to CA. | | | | | |
| | | | | Fine grained disseminated, interstitial PY , AS , 1 - 2 %. Minor BO , MV . | | | | | |
| | | | | | | | | | |
| **112.80** | **117.10** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Same as above mafic volcanics. Greenish with BO phenocrysts. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | **117.10 m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | | |
|---|---|---|
| 1.63%/12.95m | 40.02 | 52.97 |

LITHIUM ONE INC.
Property : James Bay Lithium

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DDH # : | **JBL09-27** | | Start : | 28-jul-09 | Drilled by : | | Chibougamau |
| Azimuth : | 110° | LOCATION UTM | End : | 29-jul-09 | | | Diamond Drilling |
| Dip: | -45° | 358498 mE | | | Logged by : | | A.Peshkepia |
| Elevation: | 228m | 5789296 mN | | | **Verified by:** | **AJMc** | on July 30th, 2009 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **4.00** | | | **OVERBURDEN** | | | | | |
| | | | | 3.05-4.0 10-15cm boulders of gneiss, granite, | | | | | |
| | | | | metasdiment. | | | | | |
| | | | | | | | | | |
| **4.00** | **76.00** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Dark grey to brownish grey, fine grained, banded | | | | | |
| | | | | paragneiss; QZ-FP-BO, strongly migmatized; | | | | | |
| | | | | ~1cm size bands of biotite alternated with QZ- | | | | | |
| | | | | FP white bands; banding orientation varies from | | | | | |
| | | | | parallel to core axis from 4.0 to 20.0m to 45-50 | | | | | |
| | | | | to CA from 40 to 65m; from 65 to 72m banding | | | | | |
| | | | | parallel to CA. | | | | | |
| | | | | 20.05-20.43 altered pegmatite dyke at 60 to CA | | | | | |
| | | | | PG-MV-FP pegmatite with pervasive yellowish, | | | | | |
| | | | | fine grained MV, black FP patches, trace AP, no | | | | | |
| | | | | visible SP, very micaceous. | | | | | |
| | | | | 26.17-26.28 11cm PG-MV sugary textured peg- | | | | | |
| | | | | matite at 90 to CA. | | | | | |
| | | | | 73.97-74.14; 17cm PG-FS-QZ pegmatite at 35 | | | | | |
| | | | | to CA; no visible SP. | | | | | |
| | | | | | | | | | |
| **76.00** | **77.73** | 1.73 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse grained PG-QZ-PH +/-FP+/-MV | **578** | 76.00 | 76.85 | 0.85 | 0.03 |
| | | | | pegmatite minor spodumene 1-2%SP as small | **579** | STANDARD-LOW | | | 0.85 |
| | | | | <2cm grains at 76.6m; coarse PH and QZ. | **580** | 76.85 | 77.73 | 0.88 | 0.03 |
| | | | | upper contact at 40 to CA; lower contact at 30 | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **77.73** | **81.20** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, moderate to good foliation | | | | | |
| | | | | near upper contact at 30 to CA; thin <20cm | | | | | |
| | | | | PG-FP-QZ pegmatite dykes at 78.34-78.54; | | | | | |
| | | | | 20cm at 90 to CA, and at 80.55-80.72 at 45 to | | | | | |
| | | | | CA | | | | | |
| | | | | | | | | | |
| **81.20** | **81.67** | | | **QFP** | | | | | |
| | | | | Dark grey, fine grained, massive QFP with sub- | | | | | |
| | | | | hedral FP phenocrysts 2-3mm in size rarely up | | | | | |
| | | | | to 7mm in size, interstitial fine grained BO; | | | | | |
| | | | | trace of finely dissenminated Aspy and py, | | | | | |
| | | | | specks of molibdenite at UC. Upper conact at | | | | | |
| | | | | 50 to CA; lower contact at 45 to CA. | | | | | |
| | | | | | | | | | |
| **81.67** | **84.96** | 3.29 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White to greyish-white, coarse PG-SP-FP-PH+/- | **581** | 81.67 | 82.67 | 1.00 | 1.97 |
| | | | | MV pegmatite; 10-15% SP of various size cryst- | **582** | BLANK | | | <100 ppm |
| | | | | als from 2-3 up to 23cm long at 83.7m, parallel | **583** | 82.67 | 83.96 | 1.29 | 2.05 |
| | | | | to CA. 1-3mm subhedral tourmaline crystals at | **584** | 83.96 | 84.96 | 1.00 | 1.41 |
| | | | | 82.0m for 5-7cm; zonned with massive QZ and | | | | | |
| | | | | large SP crystals at the center of dyke and finn | | | | | |
| | | | | er grains near the contacts. Upper contact at | | | | | |
| | | | | 30 to CA; Lower contact at 45 to CA. | | | | | |
| | | | | 84.0-84.90 pale to dark grey coarse FP and | | | | | |
| | | | | smaller 1-3cm SP crystals. | | | | | |
| | | | | | | | | | |
| **84.96** | **85.93** | | | **QFP** | | | | | |
| | | | | Same as 81.2 to 81.67, weak foliation at 30 to | | | | | |
| | | | | CA. | | | | | |
| | | | | 85.45-85.70 PG-FS-QZ+/-SP pegmatite, one | | | | | |
| | | | | 3cm Sp crystal at the center of dyke. Upper | | | | | |
| | | | | contact 60 to CA; lower contact at 25 to CA. | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **85.93** | **86.31** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, PG-QZ-BO metasediment, | | | | | |
| | | | | weak foliation at 50 to CA. | | | | | |
| | | | | | | | | | |
| **86.31** | **88.61** | 2.30 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, greyish-white PG-QZ-FP-SP-MV | **585** | 86.31 | 87.46 | 1.15 | 1.66 |
| | | | | pegmatite. Fine grained, milky white PG for ~3cm | **586** | 87.46 | 88.61 | 1.15 | 0.92 |
| | | | | at upper contact; upper contact at 60 to CA | | | | | |
| | | | | ~10% SP as relatively small <6cm pale green | | | | | |
| | | | | crystals getting coarser at the center of dyke. | | | | | |
| | | | | Black FP patches, minor AP as <5mm grains; | | | | | |
| | | | | 1-2cm garnet aggregate at 88.1m. | | | | | |
| | | | | Lower contact at 50 to CA. | | | | | |
| | | | | | | | | | |
| **88.61** | **94.44** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, moderate foliation at | | | | | |
| | | | | 35 to 40 to CA; PG-QZ-B+/-BO; quartz-chlorite | | | | | |
| | | | | veinlets parallel to foliation 1-2cm thick | | | | | |
| | | | | | | | | | |
| **94.44** | **95.54** | 1.10 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Milky white, coarse grained, PG-SP-FP-QZ peg- | **587** | 94.44 | 95.54 | 1.10 | 1.13 |
| | | | | matite ~5-10% SP as up to 8cm long crystals at | | | | | |
| | | | | the center of dyke, 1-3cm near both contacts; | | | | | |
| | | | | smaller grains are partially altered. Black FP | | | | | |
| | | | | patches 1-4cm in size at both contacts, trace | | | | | |
| | | | | tourmaline. | | | | | |
| | | | | Uppere contact at 65 to CA; lower contact at | | | | | |
| | | | | 90 to CA. | | | | | |
| | | | | | | | | | |
| **95.54** | **99.42** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, massive, grey, PG-QZ-BO metase- | | | | | |
| | | | | diment. One short pegmatite dyke at 45 to CA | | | | | |
| | | | | from 96.55 to 96.75m; PG-FP-QZ-SP with 5%SP | | | | | |
| | | | | up to 2cm crystals altered to dark green and | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | bright yellow mineral mica(?). | | | | | |
| | | | | | | | | | |
| **99.42** | **102.12** | 2.70 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, greyish-white, locally altered, | **588** | 99.42 | 100.77 | 1.35 | 1.80 |
| | | | | PG-SP-QZ-FP-MV-PH pegmatite; 15% SP up to | **589** | 100.77 | 102.12 | 1.35 | 1.39 |
| | | | | 15cm long crystals at center of dyke; | | | | | |
| | | | | 100.7-101.3 SP is partially replaced by fine gra- | | | | | |
| | | | | ined MV; black FP patches at upper contact for | | | | | |
| | | | | 25cm and for 40cm near the lower contact. | | | | | |
| | | | | Upper contact at 90 to CA; lower contact at 70 | | | | | |
| | | | | to CA. Trace fine grained apatite. | | | | | |
| | | | | | | | | | |
| **102.12** | **105.18** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 95.54 to 99.42; | | | | | |
| | | | | Two thin <10cm pegmatite dykes at 90 to CA; | | | | | |
| | | | | white, medium grained PG-FP-QZ, trace AP, no | | | | | |
| | | | | visible SP. | | | | | |
| | | | | | | | | | |
| **105.18** | **116.46** | 11.28 | **I1G** | **PEGMATITE** | | | | | |
| | | | | | **590** | 105.18 | 106.18 | 1.00 | 0.42 |
| | | | | 105.18-105.73;This section is possibly a separa- | **591** | 106.18 | 107.68 | 1.50 | 1.01 |
| | | | | te pegmatite dyke, PG-FP-SP-QZ with 5-10%SP | **592** | 107.68 | 109.18 | 1.50 | 1.65 |
| | | | | as up to 4cm crystals, milky white fine grained | **593** | 109.18 | 110.68 | 1.50 | 0.85 |
| | | | | PG, black FP. Upper contact at 70 to CA; lower | **594** | 110.68 | 112.18 | 1.50 | 2.43 |
| | | | | contact at 75 to CA. | **595** | 112.18 | 113.28 | 1.10 | 1.41 |
| | | | | 105.73-106.18 45cm M1 metasediment section, | **596** | 113.28 | 114.38 | 1.10 | 0.82 |
| | | | | fine grained, grey, massive; lower contact at 60 | **597** | STANDARD-HIGH | | | 1.38 |
| | | | | to CA. | **598** | 114.38 | 115.46 | 1.08 | 1.85 |
| | | | | 106.18-116.46; white, coarse to very coarse | **599** | 115.46 | 116.46 | 1.00 | 1.71 |
| | | | | PG-SP-QZ-PH-FP+/-MV pegmatite with 15-20% | | | | | |
| | | | | SP coarse up to 20cm long crystals subparallel | | | | | |
| | | | | to CA from 109.0 to 111.0; smaller SP crystals | | | | | |
| | | | | 1-3cm near both contacts. Few AP grains up to | | | | | |
| | | | | 1cm in size. Some small SP grains in the lower | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | half of the dyke are altered. Patchy fine grained | | | | | |
| | | | | MV and coarse PH in the lower half of the dyke. | | | | | |
| | | | | Upper contact at 60 to CA; lower contact at 75. | | | | | |
| | | | | | | | | | |
| **116.46** | **117.29** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 95.54 to 99.42m. | | | | | |
| | | | | | | | | | |
| **117.29** | **119.73** | 2.44 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White to greyish-white, coarse PG-QZ-SP-MV- | **600** | 117.29 | 118.51 | 1.22 | 0.35 |
| | | | | FP pegmatite; 5-10% SP as 1-4cm long thin cry- | **601** | 118.51 | 119.73 | 1.22 | 0.98 |
| | | | | stals from 119.0 to 119.50m. | | | | | |
| | | | | Dark grey to brownish fine grained MV patches; | | | | | |
| | | | | trace AP; two metasediment xenoliths; one | | | | | |
| | | | | 10cm thick at 118.12m and the second from | | | | | |
| | | | | 118.36 to 118.63m. | | | | | |
| | | | | Upper contact at 60 to CA; lower contact at | | | | | |
| | | | | 80 to CA. | | | | | |
| | | | | | | | | | |
| **119.73** | **121.32** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 95.54 to 99.42m. | | | | | |
| | | | | | | | | | |
| **121.32** | **126.70** | | | **QFP** | | | | | |
| | | | | fine to medium grained, massive, grey QFP with | | | | | |
| | | | | up to 8mm subhedral FP phenocrysts, some | | | | | |
| | | | | zonned, in a fine grained quartz biotite matrix. | | | | | |
| | | | | Specks of Aspy+/-Py from 125.3 to 126.0m | | | | | |
| | | | | Upper contact at 70 to CA; lower contact at | | | | | |
| | | | | 50 to CA. | | | | | |
| | | | | | | | | | |
| **126.70** | **141.77** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, massive, fine grained FP-QZ+/-BO | | | | | |
| | | | | metasediment; few thin chlorite,QZ veinlets | | | | | |
| | | | | 139.64-140.20; 0.56m PG-QZ-FP pegmatite | **602** | 139.64 | 140.2 | 0.56 | 0.09 |
| | | | | dyke, milky white, fine to medium grained. No | | | | | |
| | | | | visible SP. It includes a 25cm metasediment | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | xenolith partially subparallel to CA. | | | | | |
| | | | | Upper contact at 90 to CA; lower contact 20 | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |
| **141.77** | **149.82** | 8.05 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, white PG-SP-QZ-FP-PH-MV peg- | **603** | 141.77 | 142.77 | 1.00 | 0.43 |
| | | | | matite dyke with 10-15% SP up to 10cm long | **604** | 142.77 | 144.27 | 1.50 | 2.10 |
| | | | | crystals from 142.7 to 147.0m; elsewhere SP | **605** | 144.27 | 145.77 | 1.50 | 2.80 |
| | | | | has smaller size crystals. | **606** | 145.77 | 147.27 | 1.50 | 1.49 |
| | | | | Patches of fine grained MV near upper contact | **607** | 147.27 | 148.82 | 1.55 | 1.75 |
| | | | | for about 30cm mixed with grey FP. Partially | **608** | 148.82 | 149.82 | 1.00 | 1.18 |
| | | | | altered, yellowish-green Sp crystals for about | **568797** | DUPLICATE | | | 1.23 |
| | | | | 50cm near lower contact. | | | | | |
| | | | | Upper contact at 70 to CA; lower contact at 90 | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |
| **149.82** | **155.25** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 126.7 to 141.77m. | | | | | |
| | | | | 152.32-152.58; 26cm fine grained PG-FP-QZ-PH | | | | | |
| | | | | pegmatite dyke at 40 to CA; trace garnets; no | | | | | |
| | | | | visible SP. | | | | | |
| | | | | | | | | | |
| **155.25** | **156.85** | 1.60 | **V3B** | **MAFIC METAVOLCANIC** | | | | | |
| | | | | Dark green, massive, fine to medium grained, | | | | | |
| | | | | PG-AMPH-BO; 5-01% fine grained BO. Both | | | | | |
| | | | | contacts at 70 to CA. | | | | | |
| | | | | | | | | | |
| **156.85** | **170.63** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 126.7 to 141.77m. | | | | | |
| | | | | 158.11-158.64; greyish-white, fine to medium | **609** | 158.11 | 158.64 | 0.53 | 0.05 |
| | | | | grauined PG-FP-MV pegmatite dyke. No visible | | | | | |
| | | | | SP. Upper contact at 70 to CA; lower contact | | | | | |
| | | | | at 80 to CA. | | | | | |
| | | | | 163.43-165.53 10cm PG-QZ, white, fine grained | | | | | |
| | | | | pegmatite dyke at 70 to CA; | | | | | |

LITHOLOGY

| From | To | Length | Rock | Description | Sample # | From | To | Length | $Li_2O$ |
|---|---|---|---|---|---|---|---|---|---|
| | | (m) | Code | | | | | (m) | (%) |
| | | | | 168.15-168.30 15cm pegmatite at 60 to CA; | | | | | |
| | | | | 170.18-170.28; 10cm PG-QZ pegmatite dyke | | | | | |
| | | | | at 70 to CA. | | | | | |
| | | | | | | | | | |
| | | | | **170.63m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.83%/3.29m | 81.67 | 84.96 |
| 1.29%/2.30m | 86.31 | 88.61 |
| 1.60%/2.70m | 99.42 | 102.12 |
| 1.47%/10.28m | 106.18 | 116.46 |
| 1.91%/7.05m | 142.77 | 149.82 |

LITHIUM ONE INC.
Property : James Bay Lithium

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DDH # : | **JBL09-28** | | Start : | 29-jul-09 | Drilled by : | | Chibougamau |
| Azimuth : | 110° | LOCATION UTM | End : | 30-jul-09 | | | Diamond Drilling |
| Dip: | -80° | 358498 mE | | | Logged by : | | A.Peshkepia |
| Elevation: | 228m | 5789296 mN | | | **Verified by:** | **AJMc** | on August 2nd, 2009 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **2.13** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **2.13** | **40.11** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Dark grey, fine to medium grained FS-QZ-BO | | | | | |
| | | | | paragneiss, pervasive finew grained, white mica. | | | | | |
| | | | | Banding 20 to 40 to CA. | | | | | |
| | | | | 11.7-14.23 quartz vein subparallel to CA, massi- | | | | | |
| | | | | ve, smoky grey; fine grained MV. | | | | | |
| | | | | 35.9-36.75, white, micaceous pegmatite dyke, | **610** | 35.90 | 36.75 | 0.85 | 0.02 |
| | | | | PG-MV-PH_FP no visible SP. Fine grained, yello- | | | | | |
| | | | | wish MV; up to icm PH crystals. Upper contact | | | | | |
| | | | | at 25 to CA; lower contact at 50 to CA | | | | | |
| | | | | | | | | | |
| **40.11** | **43.34** | 3.23 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Two pegmatite dykes separated by 40 cm meta- | **611** | 40.11 | 41.11 | 1.00 | 0.03 |
| | | | | sediment M2. White, medium to coarse grained | **612** | 41.11 | 42.34 | 1.23 | 0.02 |
| | | | | PG-FP-QZ-MV-PH pegmatite; no visible SP; | **613** | 42.34 | 43.34 | 1.00 | 0.01 |
| | | | | specks of Aspy and PY. | | | | | |
| | | | | Fine grained Pg+MV, sugary textured for 10-20 | | | | | |
| | | | | cm at both contacts; blalck patches of FP at | | | | | |
| | | | | 41.5-41.88. | | | | | |
| | | | | 41.88-42.32 44cm metasediment section, M2 | | | | | |
| | | | | Upper contact at 55 to CA; lower contact at 20. | | | | | |
| | | | | Both pegmatite contacts at 45 to CA. | | | | | |
| | | | | | | | | | |
| **43.34** | **44.53** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Same as 2.13 to 40.11m. | | | | | |
| | | | | | | | | | |

LITHOLOGY

| From | To | Length | Rock | Description | Sample # | From | To | Length | $Li_2O$ |
|---|---|---|---|---|---|---|---|---|---|
| | | (m) | Code | | | | | (m) | (%) |
| **44.53** | **71.08** | 26.55 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse to very coarse PG-SP-PH-QZ+/- | **614** | 44.53 | 45.53 | 1.00 | 0.62 |
| | | | | MV pegmatite. Upper contact at 60 to CA. | **615** | 45.53 | 47.03 | 1.50 | 0.80 |
| | | | | 44.03-44.53 coarse PG-FP-QZ-PH minor SP as | **616** | STANDARD-LOW | | | 0.87 |
| | | | | <4cm long crystals; dark grey to black FP. | **617** | 47.03 | 48.53 | 1.50 | 0.07 |
| | | | | 48.53-60.0 25-30% SP green, fresh, up to 7cm | **618** | 48.53 | 50.03 | 1.50 | 1.95 |
| | | | | long crystals; few 5-10mm Apatite grains. | **619** | 50.03 | 51.53 | 1.50 | 1.36 |
| | | | | Coarse PH from 56.0 to 60.0m. | **620** | 51.53 | 53.03 | 1.50 | 1.72 |
| | | | | 60.0-68.0 coarse to very coarse SP massive in | **621** | 53.03 | 54.53 | 1.50 | 1.17 |
| | | | | places from 65.25 to 65.45 and from 60.53- | **622** | 54.53 | 56.03 | 1.50 | 1.97 |
| | | | | 62.30; massive QZ from 64.9 to 65.1m | **623** | BLANK | | | <100 ppm |
| | | | | 66.0-66.20 semi-massive SP, coarse up to 6cm | **624** | 56.03 | 57.53 | 1.50 | 1.41 |
| | | | | PH crystals. | **625** | 57.53 | 59.03 | 1.50 | 1.59 |
| | | | | Lower contact at 70 to CA. | **626** | 59.03 | 60.53 | 1.50 | 1.91 |
| | | | | | **627** | 60.53 | 62.03 | 1.50 | 3.92 |
| | | | | | **628** | 62.03 | 63.53 | 1.50 | 1.70 |
| | | | | | **629** | 63.53 | 65.03 | 1.50 | 1.58 |
| | | | | | **630** | 65.03 | 66.53 | 1.50 | 2.78 |
| | | | | | **631** | 66.53 | 68.03 | 1.50 | 1.93 |
| | | | | | **632** | 68.03 | 69.53 | 1.50 | 2.69 |
| | | | | | **633** | 69.53 | 71.08 | 1.55 | 0.49 |
| | | | | | | | | | |
| **71.08** | **72.52** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Brownish-grey, fine grained, banded QZ-FP-BO | | | | | |
| | | | | paragneiss. Fine grained mica ~50cm at upper | | | | | |
| | | | | contact with pegmatite above. | | | | | |
| | | | | | | | | | |
| **72.52** | **73.70** | 1.18 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, medium to coarse grained PG-QZ-SP-FP- | **634** | 72.52 | 73.7 | 1.18 | 0.97 |
| | | | | MV pegmatite with 10-15% SP as green to | | | | | |
| | | | | whitish 1-3cm crystals concentrated at the | | | | | |
| | | | | center of dyke, patches of black FP. | | | | | |
| | | | | Upper contact at 40 to CA; lower contact at 20 | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **73.70** | **89.50** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, massive, light grey QZ-FP+/-BO | | | | | |
| | | | | weak foliation; 3cm qz-carb.vein at 78.5 para | | | | | |
| | | | | llel to CA with specks of Py, discoloration due | **637** | 87.9 | 88.73 | 0.83 | 0.58 |
| | | | | to silicification along the egdes of the veinlet; | | | | | |
| | | | | 1-2cm QZ-chlorite veinlets at high angle to CA. | | | | | |
| | | | | two thin pegmatite dykes: | | | | | |
| | | | | 76.15-76.65; 0.5m white, medium grained PG-FP | **635** | 76.15 | 76.65 | 0.50 | <100 ppm |
| | | | | QZ pegmatite; no visible SP, specks of PY in a | **636** | STANDARD-LOW | | | 0.85 |
| | | | | hairline fracture. Upper contact at 70 to CA; | | | | | |
| | | | | lower contact at 60 to CA. | | | | | |
| | | | | 87.9-88.73; 0.83m coarse, greyish-white, PG-FP | | | | | |
| | | | | SP-QZ pegmatite; 5% SP as 1-3cm green cryst- | | | | | |
| | | | | als; coarse clevlandite at 88.4m. Speck of Aspy | | | | | |
| | | | | at 88.1m. | | | | | |
| | | | | Upper contact at 35 to CA; lower contact at 60 | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |
| **89.50** | **96.36** | | **QFP** | **QFP** | | | | | |
| | | | | Fine to medium grained, massive, medium to dark | | | | | |
| | | | | grey QFP; 2-5mm subhedral FP phenocrysts, few | | | | | |
| | | | | up to1cm locally; very weak foliation, fine disse- | | | | | |
| | | | | minated Aspy, trace to 1%Aspy; upper contact | | | | | |
| | | | | irregular. | | | | | |
| | | | | One short pegmatite dyke from 89.68 to 89.90 | | | | | |
| | | | | coarse, greyish-white PG-FP-QZ; no visible SP; | | | | | |
| | | | | upper contact at 45; lower contact at 60 to CA. | | | | | |
| | | | | Lower contact of QFP sharp at 50 to CA. | | | | | |
| | | | | | | | | | |
| **96.36** | **100.06** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 73.7 to 89.5m. | | | | | |
| | | | | | | | | | |
| **100.06** | **104.14** | 4.08 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, white PG-FP-SP-PH pegmatite | **638** | 100.06 | 101.06 | 1.00 | 1.31 |
| | | | | with 10-15% SP as up to 6cm long crystlas | **639** | 101.06 | 102.08 | 1.02 | 1.15 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | at the center of dyke. | **640** | 102.08 | 103.14 | 1.06 | 1.16 |
| | | | | 100.06-100.65 light grey coarse FP, minor SP; | **641** | 103.14 | 104.14 | 1.00 | 0.68 |
| | | | | 100.65-102.5 most of SP in coarse PG-FP-QZ-PH | | | | | |
| | | | | 102.5-104.14 light grey FP-QZ minor SP. Trace | | | | | |
| | | | | AP. Upper contact at 65 to CA; lower contact | | | | | |
| | | | | at 45 to CA. | | | | | |
| | | | | | | | | | |
| **104.14** | **116.50** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained, massive FP-QZ+/-BO | | | | | |
| | | | | Weak foliation at 20 to CA. | | | | | |
| | | | | | | | | | |
| **116.50** | **117.75** | 1.25 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, medium to coarse grained PG-QZ-QZ-SP | **642** | 116.50 | 117.75 | 1.25 | 0.88 |
| | | | | FP+/-MI pegmatite with 5-10% SP as small 1-2 | | | | | |
| | | | | cm pale green to white crystals. | | | | | |
| | | | | Upper contact at 40 to CA; lower contact at 15 | | | | | |
| | | | | to CA. Milky white, fine grained PG for about 30 | | | | | |
| | | | | cm at lower contact. | | | | | |
| | | | | | | | | | |
| **117.75** | **124.36** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 104.14 to 116.50m. | | | | | |
| | | | | | | | | | |
| **124.36** | **126.18** | | **V3B** | **MAFIC METAVOLCANIC** | | | | | |
| | | | | Green, massive, fine grained, 1-3mm biotite | | | | | |
| | | | | porphyroblasts stretched along foliation planes; | | | | | |
| | | | | weak foliation subparallel to CA. Both contacts | | | | | |
| | | | | at 40 to CA. | | | | | |
| | | | | | | | | | |
| **126.18** | **143.33** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 104.14 to 116.50m. | | | | | |
| | | | | Two thin 10cm pegmatite dykes at 131.92 and | | | | | |
| | | | | 134.7m at 50 and 30 degrees to CA respectively, | | | | | |
| | | | | Both white, QZ-PG with no visible SP. | | | | | |
| | | | | | | | | | |
| **143.33** | **144.30** | 0.97 | **I1G** | **PEGMATITE** | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Medium to coarse grained, greyish-white PG-FP- | **643** | 143.33 | 144.30 | 0.97 | 0.08 |
| | | | | QZ-MV pegmatite; no visible SP. Black FP pat- | | | | | |
| | | | | ches for about 20cm near upper contact. Fine | | | | | |
| | | | | grained yellow alteration mineral (mica?) repla- | | | | | |
| | | | | cing SP from 143.9 to 144.3. Fine grained TL and | | | | | |
| | | | | AP at 143.7. | | | | | |
| | | | | Upper contact at 40 to CA; lower contact at 55 | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |
| **144.30** | **145.97** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 104.14 to 116.50m. | | | | | |
| | | | | Two 10cm thick PG-MV fine grained pegmatite | | | | | |
| | | | | dykes at 40 to CA at 144.45 and 145.5m. | | | | | |
| | | | | | | | | | |
| **145.97** | **150.77** | 4.80 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse grained, PG-FP-SP-QZ pegmatite | **644** | 145.97 | 146.97 | 1.00 | 0.11 |
| | | | | with minor PH; 10% SP as small 1-4cm | **645** | 146.97 | 148.47 | 1.50 | 0.88 |
| | | | | crystals some partially altered to green mineral | **646** | 148.47 | 149.77 | 1.30 | 0.82 |
| | | | | serpentine(?). | **568798** | DUPLICATE | | | 0.87 |
| | | | | Fine grained, yellowish MV from 146.2 to 146.7. | **647** | 149.77 | 150.77 | 1.00 | 0.82 |
| | | | | SP starts at 147.0 up to 150.77. Coarse grey | | | | | |
| | | | | FP at the center of dyke with QZ and 4cm long | | | | | |
| | | | | SP crystals. | | | | | |
| | | | | Upper contact at 40 to CA; lower contact at 60 | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |
| **150.77** | **155.67** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, massive, grey QZ-FP+/-BO weakly | | | | | |
| | | | | foliated metasediment. | | | | | |
| | | | | | | | | | |
| **155.67** | **157.21** | 1.54 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, greyish-white PG-QZ-FP-SP-PH | **648** | 155.67 | 157.21 | 1.54 | 0.86 |
| | | | | minor MV; 5-10% SP as 1-3cm crystals from | | | | | |
| | | | | 156.7-157.0m. Fine grained sugary textured PG | | | | | |
| | | | | plus black FP patches for about 25 cm at upper | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | contact; coarse PG-QZ-PH at the center of dyke. | | | | | |
| | | | | Upper contact at 65 to CA; lower contact at 50 | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |
| **157.21** | **159.44** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 150.77 to 155.67m. | | | | | |
| | | | | | | | | | |
| **159.44** | **161.3** | 1.86 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, medium to coarse grained PG-QZ-FP-SP- | **649** | 159.44 | 160.30 | 0.86 | 0.84 |
| | | | | MV pegmatite with 5% SP as 1-3cm crystals | **650** | 160.30 | 161.30 | 1.00 | 0.67 |
| | | | | concentrated in the lower half of the dyke; | | | | | |
| | | | | crude banding at 60 to CA from 159.6 to 160.1; | | | | | |
| | | | | milky white fine grained PG bands 2cm alternate | | | | | |
| | | | | with QZ-MV bands. | | | | | |
| | | | | Few small 1-3cm grey FP crystals; fine grained, | | | | | |
| | | | | milky white PG from 161.0 to the lower contact. | | | | | |
| | | | | Upper contact at 55 to CA; lower contact at 50 | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |
| **161.30** | **162.69** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 150.77 to 155.67m. | | | | | |
| | | | | | | | | | |
| **162.69** | **163.74** | 1.05 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Greyish-white, medium to coarse PG-FP-SP+/- | **651** | 162.69 | 163.74 | 1.05 | 0.39 |
| | | | | MV pegmatite with 5% SP as 1-2cm grains. | | | | | |
| | | | | Black FP near both contacts; minor QZ. | | | | | |
| | | | | Upper contact at 30 to CA; lower contact at 20 | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |
| **163.74** | **175.41** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, massive, grey FP-QZ+/-BO meta- | | | | | |
| | | | | sediment cut by three thin pegmatite dykes: | | | | | |
| | | | | 170.81-171.24; 0.43m medium to coarse greyish | **652** | 170.81 | 171.24 | 0.43 | 0.24 |
| | | | | white PG-FP-QZ-MV dyke; no visible SP; fine | | | | | |
| | | | | grained muscovite. One speck of PY and trace | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Aspy at 171.0. Upper contact at 70 to CA; lower | | | | | |
| | | | | contact at 50 to CA. | | | | | |
| | | | | 171.61-171.82; 21cm PG-FP-MV pegmatite at | | | | | |
| | | | | 65 to CA; no visible SP. | | | | | |
| | | | | 174.36-174.46;; 10cm QZ-PG-FP-MV pegmatite | | | | | |
| | | | | at 65 to CA. | | | | | |
| | | | | | | | | | |
| **175.41** | **177.21** | 1.80 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, greyish-white FP-QZ-PG-SP-MV | **653** | 175.41 | 176.31 | 0.90 | 0.49 |
| | | | | pegmatite with ~5% SP as 1-3cm pale green, | **654** | 176.31 | 177.21 | 0.90 | 0.39 |
| | | | | fresh crystals. Most of the dyke is composed | | | | | |
| | | | | of FP and QZ; minor coarse PH locally. Trace TL | | | | | |
| | | | | and AP. Upper contsact at 70 to CA and lower | | | | | |
| | | | | contact at 60 to CA. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| **177.21** | **180.10** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 163.74 to 175.41m. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | **180.10m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.98%/21.0m | 48.53 | 69.53 |
| 1.24%/3.00m | 100.1 | 103.1 |

LITHIUM ONE INC.
Property : James Bay Lithium

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DDH # : | **JBL09-29** | | Start : | 31-jul-09 | Drilled by : | | Chibougamau |
| Azimuth : | 110° | LOCATION UTM | End : | 1-aug-09 | | | Diamond Drilling |
| Dip: | -60° | 358441 mE | | | Logged by : | | A.Peshkepia |
| Elevation: | 226m | 5789280 mN | | | **Verified by:** | **AJMc** | on August 3rd, 2009 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **3.10** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **3.10** | **18.10** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Brownish-grey, fine grained, well foliated FP-QZ- | | | | | |
| | | | | BO metasediment, cm size andalusite porphyro- | | | | | |
| | | | | blasts, white and green to black (altered ) | | | | | |
| | | | | | | | | | |
| **18.10** | **21.00** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, massive FP-QZ-BO section | | | | | |
| | | | | weak to moderate dfoliation at 20 to CA. | | | | | |
| | | | | | | | | | |
| **21.00** | **27.10** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey to brownish-grey FS-QZ-BO- | | | | | |
| | | | | SM paragneiss, foliation 40 to 50 to CA. | | | | | |
| | | | | | | | | | |
| **27.10** | **31.93** | | **QV** | **QUARTZ-TOURMALINE VEINS** | | | | | |
| | | | | Fine grained, black, massive tourmaline sections | | | | | |
| | | | | mixed with 20-30cm massive quartz veins 27.75- | | | | | |
| | | | | 28.15, 29.1-29.38, 30.65-30.9 and 31.2 to 31.8. | | | | | |
| | | | | Trace Py and Aspy. | | | | | |
| | | | | | | | | | |
| **31.93** | **106.10** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Fine to medium grained QZ-FP-BO paragneiss, | | | | | |
| | | | | migmatized, crude banding at 25 t0 30 to CA. | | | | | |
| | | | | Fine grained silimanite from 52.0 to 60.6m | | | | | |
| | | | | 59.73-59.96; white, micaceous pegmatite dyke | | | | | |
| | | | | MV-PG-FP-QZ at 60 to CA, pervasive yellowish | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | muscovite. | | | | | |
| | | | | 80.7-83.0 chlorite altered section black fine | | | | | |
| | | | | grained of more mafic composition specks of Py | | | | | |
| | | | | on fracture planes broken core from 81.5 to | | | | | |
| | | | | 81.9m strong fracturing. | | | | | |
| | | | | 83.0-106.10; QZ-FP-BO paragneiss fine grained, | | | | | |
| | | | | banding oriented at various angles to CA from | | | | | |
| | | | | subparallel to CA up to 70 to CA. | | | | | |
| | | | | 100.6-101.05; white medium to coarse micace- | | | | | |
| | | | | ous pegmatite QZ-PG-MV; no visible SP; upper | | | | | |
| | | | | contact at 20 to CA; lower contact at 35 to CA. | | | | | |
| | | | | Lower contact of this unit sharp at 40 to CA. | | | | | |
| | | | | | | | | | |
| **106.10** | **114.07** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Light grey, fine grained, massive QZ-FP+/-BO | | | | | |
| | | | | metasediment; thin <5cm pegmatite dykes | | | | | |
| | | | | from 111.6 to 112.55 at high angle to CA. | | | | | |
| | | | | | | | | | |
| **114.07** | **116.00** | 1.93 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, medium to coarse grained with fine grai- | **655** | 114.07 | 115.00 | 0.93 | 0.09 |
| | | | | ned sections; PG-FP-SP-MV-PH pegmatite; | **656** | 115.00 | 116.00 | 1.00 | 1.54 |
| | | | | 10cm very micaceous metasediment at contact | **657** | STANDARD-LOW | | | 0.86 |
| | | | | with pegmatite fine grained muscovite; upper | | | | | |
| | | | | contact at 55 to CA. | | | | | |
| | | | | 114.07-114.50; fine grained, milky white PG plus | | | | | |
| | | | | fine to medium grained muscovite and coarse | | | | | |
| | | | | PH in patches; no visible spodumene. | | | | | |
| | | | | 5cm metasediment xenolith at 114.52. | | | | | |
| | | | | 114.57-115.21 medium to coarse grained milky | | | | | |
| | | | | white PG with balck FP patches small 1-2cm, al- | | | | | |
| | | | | tered SP crystals; 5% spodumene altered to | | | | | |
| | | | | fine grained yellow mineral, mica(?). Lower con- | | | | | |
| | | | | tact at 70 to CA. | | | | | |
| | | | | 115.21-115.37 M1 metaediment xenolith | | | | | |
| | | | | 115.37-116.0 coarse greyish-white PG-SP-QZ-TL | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | pegmatite section; 10-15% spodumene up to | | | | | |
| | | | | 7cm long fresh crystals, coarse tourmaline as 2- | | | | | |
| | | | | 3cm long needles subparallel to CA; one crystal | | | | | |
| | | | | 11cm long with specks of Py. | | | | | |
| | | | | Lower contact at 60 to CA. | | | | | |
| | | | | | | | | | |
| **116.00** | **117.78** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 106.10-114.07m. | | | | | |
| | | | | | | | | | |
| **117.78** | **119.90** | 2.12 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, white PG-SP-QZ+/-PH+/-TL pegmatite | **658** | 117.78 | 118.88 | 1.10 | 2.52 |
| | | | | 20% spodumene as 1-5cm crystals. | **659** | 118.88 | 119.90 | 1.02 | 1.84 |
| | | | | 118.5 few tourmaline crystals 1-2cm long | | | | | |
| | | | | Grey patches of Fpnear upper contact for about | | | | | |
| | | | | 20cm. | | | | | |
| | | | | Upper contact at 60 to CA; lower contact at 35 | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |
| **119.90** | **130.52** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Bluish-grey, fine grained, massive QZ-FP+/-BO | | | | | |
| | | | | metasediment; weak foliation at 40 to CA. | | | | | |
| | | | | this unit has bben cut by two short <1m thick | | | | | |
| | | | | pegmatite dykes: | | | | | |
| | | | | 122.36-123.17; 0.81m coarse, greyish-white PG | **660** | 122.36 | 123.17 | 0.81 | 1.29 |
| | | | | FP-QZ-SP pegmatite; 10% spodumene as pale | **661** | BLANK | | | <100 ppm |
| | | | | green to whitish small crystals odd 6cm long | | | | | |
| | | | | crystal parallel to CA. Upper contact at 50 to CA | | | | | |
| | | | | lower contact at 70 to CA. | | | | | |
| | | | | 127.25-127.60; 35cm coarse PG-Fp-QZ-PH-SP | **662** | 127.25 | 127.60 | 0.35 | 0.51 |
| | | | | pegmatite dyke at 25 to CA; <5% spodumene | | | | | |
| | | | | as 1-2cm altered grains; 20cm very micaceous | | | | | |
| | | | | section in the metasediment near the upper | | | | | |
| | | | | contact of the pegmatite. | | | | | |
| | | | | | | | | | |
| **130.52** | **131.72** | 1.20 | **I1G** | **PEGMATITE** | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Coarse, white PG-QZ-FP-SP pegmatite with 10% | **663** | 130.52 | 131.72 | 1.20 | 0.87 |
| | | | | spodumene, very pale green, <5cm long crystals | | | | | |
| | | | | black FP patches at both contacts. A 10cm sec- | | | | | |
| | | | | tion of the metasediment near the upper pegma- | | | | | |
| | | | | tite contact has been altered to fine muscovite. | | | | | |
| | | | | Upper contact at 70 to CA; lower contact at 60. | | | | | |
| | | | | | | | | | |
| **131.72** | **132.43** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 119.90 to 130.52m. | | | | | |
| | | | | | | | | | |
| **132.43** | **133.89** | 1.46 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, white PG-QZ-PH-MV-SP pegmatite with 10% | **664** | 132.43 | 133.89 | 1.46 | 0.86 |
| | | | | ~50% smoky grey QZ; <5% SP as <3cm grains | | | | | |
| | | | | Coarse phlogopite as 1-3cm crystals. | | | | | |
| | | | | 132.43-132.8 mainly QZ with fine grained MV | | | | | |
| | | | | and phlogipite, green apatite <5mm near upper | | | | | |
| | | | | contact. Upper contact at 45 to CA; lower con- | | | | | |
| | | | | tact at 80 to CA. Coarse PG-QZ-PH+/-SP at the | | | | | |
| | | | | center of dyke. | | | | | |
| | | | | | | | | | |
| **133.89** | **140.34** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 119.90 to 130.52m. | | | | | |
| | | | | Several thin pegmatite dykes <50cm thick inter- | | | | | |
| | | | | sect this section at high agnle to CA. | | | | | |
| | | | | 135.0-135.32; milky white PG-QZ+/-SP pegmati- | **665** | 135.00 | 135.32 | 0.32 | 0.31 |
| | | | | te dyke; ~1-2% SP as small altered grains; | | | | | |
| | | | | fine grained MV TL and apatite near the upper | | | | | |
| | | | | contact; upper contact at 65 to CA; lower | | | | | |
| | | | | contact at 75 to CA. | | | | | |
| | | | | 136.40-136.89; white, coarse PG-FP-SP-QZ | **666** | 136.40 | 136.89 | 0.49 | 0.16 |
| | | | | pegmatite; 10cm fine grained MV+Qz+TL at | | | | | |
| | | | | uuper contact; <5% spodumene as small <1cm | | | | | |
| | | | | grains. Upper contact at 90 to CA; lower conta- | | | | | |
| | | | | ct at 80 to CA. | | | | | |
| | | | | 138.0-138.25; coarse PG-FP-QZ milky white | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | pegmatite at 50 to CA. | | | | | |
| | | | | 139.65-139.88 PG-MV-AP milky white pegmatite, | | | | | |
| | | | | fine grained MV ast both contacts; fine grained | | | | | |
| | | | | TL at upper contact. Both contacts at 70 to CA. | | | | | |
| | | | | | | | | | |
| **140.34** | **141.77** | 1.43 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Greyish-white, medium to coarse grained PG-QZ | **667** | 140.34 | 141.77 | 1.43 | 0.14 |
| | | | | MV-FP+/-SP; 1-3% altered spodumene small | | | | | |
| | | | | size crystals; pervasive fine grained MV. Upper | | | | | |
| | | | | contact at 70 to CA; lower contact at 40 to CA. | | | | | |
| | | | | | | | | | |
| **141.77** | **144.00** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 119.90 to 130.52m. | | | | | |
| | | | | | | | | | |
| **144.00** | **149.95** | 5.95 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, white PG-QZ-FP-SP-MV-PH peg- | **668** | 144.00 | 145.00 | 1.00 | 0.06 |
| | | | | matite with 5% SP altered to fine grained yellowspodumene; | **669** | 145.00 | 146.50 | 1.50 | 0.57 |
| | | | | mineral in the upper half of the dyke and less | **670** | 146.50 | 148.00 | 1.50 | 0.22 |
| | | | | alterd up to 4cm long thin crystals near the lo- | **671** | STANDARD-HIGH | | | 1.32 |
| | | | | wer contact. Mostly coarse QZ-PH-PG at the | **672** | 148.00 | 148.95 | 0.95 | 0.15 |
| | | | | center of dyke; trace AP and TL. | **673** | 148.95 | 149.95 | 1.00 | 0.83 |
| | | | | Upper contact at 40 to CA; lower contact at 60 | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |
| **149.95** | **155.30** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 119.90 to 130.52m. | **674** | 151.80 | 152.22 | 0.42 | 0.03 |
| | | | | Cut by two thin pegmatite dykes; | | | | | |
| | | | | 151.8-152.22; 42cm medium to coarse grained | | | | | |
| | | | | PG-FP-QZ pegmatite; no visible spodumene; | | | | | |
| | | | | black FP patches. Upper contact at 30 to CA; | | | | | |
| | | | | lower contact at 60 to CA. | | | | | |
| | | | | 153.07-153.38 same as 151.8 to 151.22 upper | | | | | |
| | | | | contact at 90; lower contact at 75 to CA. | | | | | |
| | | | | | | | | | |
| **155.30** | **162.05** | | **QFP** | **QFP** | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Medium grey, fine to medium grained, massive | | | | | |
| | | | | QFP. 2-5mm subhedral FP phenocrysts in fine | | | | | |
| | | | | grained, BO-QZ groundmass. Upper contact | | | | | |
| | | | | sharp at 65 to CA; lower contact irregular. | | | | | |
| | | | | | | | | | |
| **162.05** | **172.90** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey to bluish-grey, fine grained FP-QZ | | | | | |
| | | | | minor biotite, silicified, bleached at contact with | | | | | |
| | | | | QFP for about 30cm. Few thin <40cm pegmatite | | | | | |
| | | | | dykes from 162.9 to 167.9. They contain no vi- | | | | | |
| | | | | sible spodumene and are composed mainly of | | | | | |
| | | | | PG-QZ and FP, medium grained and greyish-white | | | | | |
| | | | | in colour. | | | | | |
| | | | | 162.9-163.1 pegmatite at 50 to CA; | | | | | |
| | | | | 163.68-164.06 pegmatite at 90 to CA; | | | | | |
| | | | | 165.95-166.17 pegmatite at 60 to CA; | | | | | |
| | | | | 167.72-167.9 pegmatite at 70 to CA; | | | | | |
| | | | | | | | | | |
| **172.90** | **176.16** | 3.26 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse grained PG-QZ-SP+/-FP+/-MI | **675** | 172.90 | 173.90 | 1.00 | 0.36 |
| | | | | pegmatite with 5% spodumene as 1-3cm long | **676** | 173.90 | 175.16 | 1.26 | 0.22 |
| | | | | grains from 175.6 to 176.16m; fine grained, ye- | **677** | 175.16 | 176.16 | 1.00 | 1.13 |
| | | | | llowish mica in the upper half of the dyke and | | | | | |
| | | | | altered small <1cm spodumene crystals. | | | | | |
| | | | | Upper contact at 80 to CA; lower contact at 90 | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |
| **176.16** | **185.40** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 162.05 to 172.90m. | | | | | |
| | | | | This section has been intersected by several | **678** | 177.04 | 177.86 | 0.82 | 0.76 |
| | | | | thin pegmatite dykes; | | | | | |
| | | | | 177.04-177.86; 0.82m PG-Fp-QZ+/-SP pegmati- | | | | | |
| | | | | te with 1-3% SP as small altered crystals. Fine | | | | | |
| | | | | grained TL at the center of dyke and minor AP | | | | | |
| | | | | near upper contact. Upper contact at 50 to CA; | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | lower contact at 60 to CA. Other pegmatite | | | | | |
| | | | | dykes in this section are <25 cm thick; | | | | | |
| | | | | 10cm at 179.0m, 24cm at 181.3m and 22cm at | | | | | |
| | | | | 183.4m. | | | | | |
| | | | | | | | | | |
| **185.4** | **187.57** | | **QFP** | **QFP** | | | | | |
| | | | | Grey, massive, fine to medium grained QFP; | | | | | |
| | | | | up to 3mm FP phenocrysts in fine grained BO-QZ | | | | | |
| | | | | groundmass. Both contacts at 90 to CA. | | | | | |
| | | | | 187.17-187.31; 14cm PG-QZ-SP pegmatite at | | | | | |
| | | | | 75 to CA; few altered SP grains ~1cm in size. | | | | | |
| | | | | | | | | | |
| **187.57** | **191.10** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Grey, fine grained, massive FP-QZ-BO metasedi- | | | | | |
| | | | | ment. | | | | | |
| | | | | 189.78-190.22; coarse PG-QZ-SP white pegma- | **679** | 189.78 | 190.22 | 0.44 | 0.73 |
| | | | | tite; 15% spodumene as 4-6cm long pale green | | | | | |
| | | | | fresh crystals; upper contasct at 40 to CA; | | | | | |
| | | | | lower contact at 90 to CA. | | | | | |
| | | | | | | | | | |
| **191.1** | **193.8** | | **QFP** | **QFP** | | | | | |
| | | | | Grey, fine grained, massive QFP with 2-3mm | | | | | |
| | | | | FP phenocrysts; upper contact at 30 to CA; | | | | | |
| | | | | lower contact at 65 to CA. | | | | | |
| | | | | 193.23-193.50; pegmatite dyke PG-QZ+/-FP, | | | | | |
| | | | | no visible spodumene; oriented at 70 to CA. | | | | | |
| | | | | Coarse TL as up to 1cm long needle-like crystals | | | | | |
| | | | | in a fine grained siliceous section of QFP at the | | | | | |
| | | | | lower contact (chilled margin). | | | | | |
| | | | | | | | | | |
| **193.80** | **199.20** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 187.57 to 191.10m. | | | | | |
| | | | | | | | | | |
| **199.20** | **201.00** | | **V3B** | **MAFIC METAVOLCANIC** | | | | | |
| | | | | Green, massive, fine grained, 2-5% fine grained | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | biotite; weak foliation at 40 to CA. | | | | | |
| | | | | 199.42-199.66 metasediment M1 section. | | | | | |
| | | | | Upper contact of this unit sharp at 80 to CA. | | | | | |
| | | | | The metavolcanic becomes finner grained near | | | | | |
| | | | | the upper contact with less biotite for about 20 | | | | | |
| | | | | cm. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | **201.00m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 2.19%/2.12m | 117.78 | 119.90 |

LITHIUM ONE INC.
Property : James Bay Lithium

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DDH # : | **JBL09-30** | | | Start : | 1-aug-09 | Drilled by : | Chibougamau |
| Azimuth : | 110° | LOCATION UTM | | End : | 1-aug-09 | | Diamond Drilling |
| Dip: | -45° | 358358 | mE | | | Logged by : | A.Peshkepia |
| Elevation: | 222m | 5789258 | mN | | | **Verified by:** | **AJMc** on August 1st, 2009 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **3.30** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **3.30** | **17.78** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained, grey to brownish- | | | | | |
| | | | | grey, well folaited QZ-FP-BO metasediment, | | | | | |
| | | | | spotty white subhedral andalusite up to 1cm | | | | | |
| | | | | in size from 14.2 to 17.0; few thin quartz veins | | | | | |
| | | | | <15cm at 8.5 and 15.7m | | | | | |
| | | | | | | | | | |
| **17.78** | **23.00** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Grey, finew grained, well foliated QZ-FP-BO | | | | | |
| | | | | metasediment; foliation at 20 to CA. | | | | | |
| | | | | | | | | | |
| **23.00** | **39.97** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Brownish-grey, fine grained, pervasive andalusi- | | | | | |
| | | | | te porphyroblasts up to 2cm in size. Foliation | | | | | |
| | | | | varties from 15 to CA to 90 to CA. | | | | | |
| | | | | | | | | | |
| **39.97** | **47.50** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained, massive FP-QZ-BO; | | | | | |
| | | | | weak foliation at 15 to 30 to CA. | | | | | |
| | | | | | | | | | |
| **47.50** | **71.47** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey to brownish-grey, massive; weak | | | | | |
| | | | | foliation; andalusite porphyroblasts from 47.5 to | | | | | |
| | | | | 53.5m and from 59.6 to 64.1m. | | | | | |
| | | | | 64.3-64.55 massive quartz vein mixed with fine | | | | | |
| | | | | grained BO with irregular shape and contacts | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 69.2-70.0 irregualr quartz vein miuxed with | | | | | |
| | | | | fine grained massive biotite. | | | | | |
| | | | | | | | | | |
| **71.47** | **72.80** | 1.33 | | **QUARTZ VEIN** | | | | | |
| | | | | White, massive quartz vein with fine grained bio- | | | | | |
| | | | | tite patches 10-15cm in size from 71.7 to 72.7. | | | | | |
| | | | | Both contacts irregular. | | | | | |
| | | | | | | | | | |
| **72.80** | **90.60** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Light to medium grey, fine grained, massive FP- | | | | | |
| | | | | QZ-+/-BO metasediment; weak to moderate | | | | | |
| | | | | foliation at 20 to CA. | | | | | |
| | | | | | | | | | |
| **90.60** | **98.00** | 7.40 | **M1** | **METASEDIMENT** | | | | | |
| | | | | Dark grey to brownish-grey fine grained, well | | | | | |
| | | | | foliated metasediment with andalusite porphy- | | | | | |
| | | | | roblasts and 10-15% fine grained biotite. Folia- | | | | | |
| | | | | tion subparallel to CA; minor quartz veins <10cm | | | | | |
| | | | | thick. | | | | | |
| | | | | | | | | | |
| **98.00** | **104.00** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 72.80 to 90.6m. | | | | | |
| | | | | | | | | | |
| **104.00** | **122.98** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 90.6 to 98.0, plus dark green to black | | | | | |
| | | | | altered andalusite porphyroblasts up to 2cm in | | | | | |
| | | | | size subrounded. | | | | | |
| | | | | | | | | | |
| **122.98** | **123.80** | | **QV** | **QUARTZ VEIN** | | | | | |
| | | | | Massive white quartz with massive fine grained | | | | | |
| | | | | tourmaline sections for about 20cm at the upper | | | | | |
| | | | | contact and 25cm at the lower contact. Both | | | | | |
| | | | | contacts at 25 to CA. | | | | | |
| | | | | | | | | | |
| **123.80** | **180.10** | | **M1** | **METASEDIMENT** | | | | | |

LITHOLOGY

| From | To | Length | Rock | Description | Sample # | From | To | Length | $Li_2O$ |
|---|---|---|---|---|---|---|---|---|---|
| | | (m) | Code | | | | | (m) | (%) |
| | | | | Same as 104.0- to 122.98. | | | | | |
| | | | | 130.35-130.85 quartz-tourmaline vein. Upper | | | | | |
| | | | | contact at 90; lower contact at 40 to CA. | | | | | |
| | | | | Brownish-grey fine grained banded biotite rich | | | | | |
| | | | | QZ-FP paragneiss; pervasive andalusite porphy- | | | | | |
| | | | | roblasts; 5-10cm quartz veins; trace pyrite | | | | | |
| | | | | as thin films on fracture faces or associated | | | | | |
| | | | | roblasts; 5-10cm quartz veins; trace pyrite | | | | | |
| | | | | locally; broken core 134.5-134.9 and 135.4- | | | | | |
| | | | | 136.4 due to strong fracturing. | | | | | |
| | | | | QZ-TL veins in strongly fractured section (bro- | | | | | |
| | | | | ken core) from 148.2 to 149.4m. | | | | | |
| | | | | Thin <10cm veins at 161.9, 169.1, 170.62 and | | | | | |
| | | | | 175.67. Trace garnets as 2mm subrounded grains | | | | | |
| | | | | at 160.0 and from 170.0 to 171.0. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | **180.10m E.O.H.** | | | | | |

LITHIUM ONE INC
Property : James Bay Lithium
DDH # : **JBL09-31** Start : July 30, 2009
Azimuth : 110° LOCATION UTM End : July 31, 2009
Dip: -50° 358473 mE
Elevation: 215m 5789436 mN

Drilled by : Chibougamau Diamond Drilling
Logged by : M K
**Verified by:** **AJMc** on July 31st, 2009

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **0.00** | **3.72** | | | **OVERBURDEN** | | | | | |
| **3.72** | **22.00** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, homogeneous type. Foliation 40° - 55° to CA. | | | | | |
| | | | | A few mm - cm white felsic veins. Some thicker white pegmatite veins at 4.00 - 4.29 m; | | | | | |
| | | | | 9.11 - 9.48 m; 11.36 - 11.54 m; 20.25 - 20.35 m; 20.55 - 20.83 m. | | | | | |
| **22.00** | **27.48** | 5.48 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White, coarse, Upper & lower contacts at high angle to CA. | **171** | 22.00 | 23.00 | 1.00 | 1.41 |
| | | | | PG , common QZ , MV - PH , SO . SO 10 - 15 %, some crystals up to 5 - 7 cm, | **172** | 23.00 | 24.16 | 1.16 | 1.73 |
| | | | | smaller crystals 1 - 2 cm may form clusters. | **173** | 24.16 | 25.32 | 1.16 | 0.90 |
| | | | | | **174** | 25.32 | 26.48 | 1.16 | 2.02 |
| | | | | | **175** | 26.48 | 27.48 | 1.00 | 2.17 |
| **27.48** | **29.25** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same homogeneous type paragneisses. | | | | | |
| | | | | Rare mm white felsic veins. | | | | | |
| **29.25** | **30.01** | 0.76 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, PG , QZ , minor dark grey FP , MV - PH , SO . | **176** | 29.25 | 30.01 | 0.76 | 0.71 |
| | | | | SO ~ 5 %, crystals up to 3 cm. | | | | | |
| **30.01** | **31.52** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same homogeneous type paragneisses, well foliated. | | | | | |
| **31.52** | **32.90** | 1.38 | **I1G** | **PEGMATITE (Good dection)** | | | | | |
| | | | | White, coarse. Contains a section of M1 from 31.71 - 31.94 m - Sample 177. | **177** | 31.52 | 32.90 | 1.38 | 1.52 |
| | | | | Pale green SO ~ 7 %, crystals up to 5 cm. | **178** | BLANK | | | <100 ppm |
| **32.90** | **35.45** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same fine grained, well foliated, homogeneous type. Foliation 50° to CA. | | | | | |
| | | | | A few mm - cm white felsic veins. A thicker pegmatite at 34.35 - 34.60 m, both contacts 60° to CA. | | | | | |
| **35.45** | **36.30** | 0.85 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse white with contacts at 60° to CA. Minor dark grey FP . | **179** | 35.45 | 36.30 | 0.85 | 1.46 |
| | | | | Contains SO ~ 7 - 10 %, crystals up to 7 cm long. | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **36.30** | **37.47** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same fine grained, homogeneous type. Foliation 65° to CA. A few mm white felsic veins. | | | | | |
| | | | | | | | | | |
| **37.47** | **44.32** | 6.85 | **I1G** | **PEGMATITE (Very good section)** | | | | | |
| | | | | White, coarse, PG , common QZ , MV - PH , very minor dark grey FP . MV - PH patches up to 1.5 cm. | **180** | 37.47 | 38.47 | 1.00 | 1.79 |
| | | | | SO 10 - 15 %, several crystals 5 - 7 cm long. | **181** | 38.47 | 40.07 | 1.60 | 1.75 |
| | | | | Upper contact 90° to CA, & lower contact 60° to CA. | **182** | 40.07 | 41.67 | 1.60 | 2.48 |
| | | | | | **183** | 41.67 | 43.32 | 1.65 | 1.89 |
| | | | | | **184** | 43.32 | 44.32 | 1.00 | 1.79 |
| | | | | | | | | | |
| **44.32** | **45.13** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same homogeneous type. Foliation 50° to CA. | | | | | |
| | | | | | | | | | |
| **45.13** | **45.82** | 0.69 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Less coarse, white, minor dark grey FP . Both contacts at high angle to CA. | **185** | 45.13 | 45.82 | 0.69 | 0.32 |
| | | | | SO ~ 5 %, crystals < 2 cm. | | | | | |
| | | | | | | | | | |
| **45.82** | **48.50** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same fine grained, homogeneous type. Foliation 45° to CA. Only a few mm white felsic veins. | | | | | |
| | | | | | | | | | |
| **48.50** | **50.20** | 1.70 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White, coarse, both contacts 55° to CA, PG , QZ , MV - PH , SO . | **186** | 48.50 | 49.35 | 0.85 | 1.71 |
| | | | | SO 10 - 13 %, some crystals 5 - 7 cm long. In places SO crystals occur in clusters. | **187** | 49.35 | 50.20 | 0.85 | 0.76 |
| | | | | | | | | | |
| **50.20** | **59.72** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, well foliated, homogeneous type. Foliation 50° - 60° to CA. | | | | | |
| | | | | Only a few mm white felsic veins. A few 2 - 3 cm white pegmatite veins. | | | | | |
| | | | | A felsic vein from 54.32 - 54.40 m causes lot of green CL , & minor disseminated PY . | | | | | |
| | | | | | | | | | |
| **59.72** | **61.18** | 1.46 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, large white & grey QZ , minor 1 - 3 cm greenish mica MV - PH . | **188** | 59.72 | 61.18 | 1.46 | 0.09 |
| | | | | Rare SO , 1 - 2 %. Both contacts 40° to CA. | **189** | STANDARD LOW | | | 0.84 |
| | | | | | | | | | |
| **61.18** | **87.15** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, QZ , PG , BO , minor MV . Well foliated to strongly foliated to good | | | | | |
| | | | | thin tectonic banding in parts, also minor migmatization in parts. Some parts show minor folding. | | | | | |
| | | | | Foliation variable, from nearly 90° to CA, to nearly subparallel to CA. | | | | | |
| | | | | A few mm - cm white felsic veins. | | | | | |
| | | | | Thin pegmatite veins at 70.32 - 70.36 m; 78.52 - 78.59 m; both with contacts 70° to CA. | | | | | |
| | | | | | | | | | |
| **87.15** | **91.45** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Abundant 0.5 - 1 cm BO phenocrysts, 25 - 30 %, pale greenish, well foliated. | | | | | |
| | | | | Nearly gabbroic in appearance. Foliation 45° to CA. | | | | | |
| | | | | Upper contact nearly 90° to CA, & lower contact 50° to CA. | | | | | |
| | | | | | | | | | |
| **91.45** | **97.59** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, well foliated, homogeneous type. Foliation 60° - 70° to CA. | | | | | |
| | | | | Several mm - cm white felsic veins parallel to foliation & x-cutting foliation. | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **97.59** | **100.90** | 3.31 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, rich in large QZ grey to smoky. PG , MV - PH 1 - 2 cm. SO = 3 - 5 %. | **190** | 97.59 | 98.59 | 1.00 | 0.08 |
| | | | | Minor SO crystals up to 3.5 cm. Small SO crystals 1 - 2 cm occur in clusters. | **191** | 98.59 | 99.90 | 1.31 | 0.53 |
| | | | | Upper & lower contacts 35° to CA. | **192** | 99.90 | 100.90 | 1.00 | 0.29 |
| | | | | | | | | | |
| **100.90** | **102.78** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, homogeneous type paragneiss. Only a few mm white felsic veins. | | | | | |
| | | | | | | | | | |
| **102.78** | **115.66** | 12.88 | **I1G** | **PEGMATITE (Very good section)** | | | | | |
| | | | | White, coarse, common large QZ grey & smoky, PG , very minor dark grey FP , | **193** | 102.78 | 103.78 | 1.00 | 2.17 |
| | | | | common greenish mica MV - PH up to 3 cm, SO . | **194** | 103.78 | 105.28 | 1.50 | 1.44 |
| | | | | Pale green SO ~ 15 %, common long & short crystals, may be up to 10 cm long. | **195** | 105.28 | 106.78 | 1.50 | 1.17 |
| | | | | Crystals subparallel to CA, to 30° to CA. Smaller crystals 1 - 5 cm occur in clusters. | **196** | 106.78 | 108.28 | 1.50 | 0.74 |
| | | | | | **197** | 108.28 | 109.78 | 1.50 | 1.46 |
| | | | | | **198** | 109.78 | 111.28 | 1.50 | 1.38 |
| | | | | | **199** | 111.28 | 112.78 | 1.50 | 1.22 |
| | | | | | **568817** | DUPLICATE | | | 1.99 |
| | | | | | **200** | 112.78 | 113.72 | 0.94 | 2.07 |
| | | | | | **201** | 113.72 | 114.66 | 0.94 | 1.52 |
| | | | | | **202** | 114.66 | 115.66 | 1.00 | 1.56 |
| | | | | | | | | | |
| **115.66** | **116.24** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Homogeneous type, well foliated. Foliation 40° to CA. | | | | | |
| | | | | | | | | | |
| **116.24** | **117.33** | 1.09 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse. Upper contact 40° to CA, parallel to Foliation of M1. Lower contact high angle to CA. | **203** | 116.24 | 117.33 | 1.09 | 1.85 |
| | | | | SO ~ 7 %, crystals 1 - 3 cm. | | | | | |
| | | | | One M1 enclave at 116.92 - 117.00 m. | | | | | |
| | | | | | | | | | |
| **117.33** | **118.32** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Homogeneous type paragneiss. Foliation at high angle to CA. | | | | | |
| | | | | | | | | | |
| **118.32** | **119.20** | 0.88 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, PG , QZ , small MV - PH , common large & small dark grey to black FP . | **204** | 118.32 | 119.20 | 0.88 | 0.15 |
| | | | | No visible SO . Upper & lower contacts at high angle to CA. | | | | | |
| | | | | | | | | | |
| **119.20** | **129.43** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, well foliated, homogeneous type. Foliation 50° to CA. | | | | | |
| | | | | Afew mm - cm white felsic veins. | | | | | |
| | | | | Rare small angular mafic pieces (up to 5 cm) in a few places. | | | | | |
| | | | | | | | | | |
| **129.43** | **133.65** | 4.22 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White, coarse, less coarse near upper contact, PG , QZ , MV - PH , minor dark grey FP , SO . | **205** | 129.43 | 130.43 | 1.00 | 1.24 |
| | | | | Upper contact 70° to CA, & lower contact 60° to CA. | **206** | 130.43 | 131.54 | 1.11 | 1.66 |
| | | | | Overall SO ~ 7 - 10 %, crystals 30° to CA, 1 - 6 cm. More SO in upper half, less SO in lower half. | **207** | 131.54 | 132.65 | 1.11 | 0.07 |
| | | | | | **208** | 132.65 | 133.65 | 1.00 | 0.04 |
| **133.65** | **161.87** | | **M1** | **METASEDIMENT** | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Fine grained, medium grey, well foliated, homogeneous type. Foliation 35˚ - 60˚ to CA. | | | | | |
| | | | | Several mm - cm white felsic & Pegmatite veins. | | | | | |
| | | | | Here also a few small mafic pieces up to 10 cm x 1 cm are present, but here these pieces are | | | | | |
| | | | | aligned parallel to foliation. | | | | | |
| | | | | | | | | | |
| | | | | **161.87 m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.64%/5.48m | 22.00 | 27.48 |
| 1.96%/6.85m | 37.47 | 44.32 |
| 1.46%/12.88m | 102.78 | 115.66 |
| 1.46%/2.11m | 129.43 | 131.54 |

LITHIUM ONE INC.
Property : James Bay Lithium

DDH # : **JBL09-32** Start : August 1, 2009
Azimuth : 110° LOCATION UTM End : august 2, 2009
Dip: -75° 358472 mE
Elevation: 220m 5789441 mN

Drilled by : Chibougamau Diamond Drilling
Logged by : M K
**Verified by:** **AJMc** on August 2nd,2009

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **3.00** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **3.00** | **18.32** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, well foliated, homogeneous type. Foliation 50° to CA. | | | | | |
| | | | | A few mm - cm white felsic veins. Some thicker pegmatite - a 20 cm pegmatite vein near 3.00 m, | | | | | |
| | | | | pegmatite at 9.45 - 9.77 m with both contacts at 70° to CA; at 11.92 -12.05 m with both contacts | | | | | |
| | | | | 60° to CA. | | | | | |
| | | | | No visible SO in these pegmatites. | | | | | |
| | | | | | | | | | |
| **18.32** | **21.36** | 3.04 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse even near both contacts, which are 50° to CA. | **209** | 18.32 | 19.32 | 1.00 | 0.78 |
| | | | | PG , QZ , minor large & small dark grey FP , MV - PH greenish up to 1 cm, SO . | **210** | STANDARD LOW | | | 0.84 |
| | | | | SO 10 - 12 %, crystals up to 4 cm. Crystals 60° to CA. | **211** | 19.32 | 20.36 | 1.04 | 1.97 |
| | | | | | **212** | 20.36 | 21.36 | 1.00 | 0.90 |
| **21.36** | **24.47** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, homogeneous type. Foliation 50° - 60° to CA. | | | | | |
| | | | | | | | | | |
| **24.47** | **30.47** | 6.00 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White, coarse, less coarse near both contacts, which are 30° to CA. | **213** | 24.47 | 25.47 | 1.00 | 1.32 |
| | | | | PG , QZ common, MV - PH , very minor dark grey FP , SO . | **214** | 25.47 | 26.97 | 1.50 | 0.84 |
| | | | | SO 12 - 15 %, crystals oriented 40° to CA to subparallel to CA, crystals up to 7 cm long. | **215** | 26.97 | 28.47 | 1.50 | 1.20 |
| | | | | A 3 cm enclave of M1 near 28.00 m. | **216** | 28.47 | 29.47 | 1.00 | 1.78 |
| | | | | | **217** | BLANK | | | <100 ppm |
| | | | | | **218** | 29.47 | 30.47 | 1.00 | 0.59 |
| | | | | | | | | | |
| **30.47** | **37.95** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, well foliated, homogeneous type. Foliation 35° - 50° to CA. | | | | | |
| | | | | A few mm - cm white felsic veins. | | | | | |
| | | | | 2 thicker white Pegmatite veins : one vein at 32.09 - 32.39 m with both contacts 50° to CA. This | | | | | |
| | | | | pegmatite is finer grained for 1.5 cm near both contacts. | | | | | |
| | | | | Second vein at 35.85 - 36.10 m is less coarse,with contacts 50° to CA, and finer grained for | | | | | |
| | | | | 3 to 5 cm near both contacts. | | | | | |
| | | | | No visible SO . | | | | | |
| | | | | | | | | | |
| **37.95** | **38.48** | 0.53 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, contacts 50° to CA, finer grained near both contacts. | **219** | 37.95 | 38.48 | 0.53 | 0.53 |
| | | | | A large SO ~ 5 cm, other SO smaller crystals. | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | SO ~ 5 %. | | | | | |
| | | | | | | | | | |
| **38.48** | **42.33** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, homogeneous type. Well foliated, in part shows thin Tectonic Banding. | | | | | |
| | | | | Foliation 30° - 50° to CA. | | | | | |
| | | | | Rare mm - cm white felsic veins. A thicker felsic vein at 41.15 - 41.27 m. | | | | | |
| | | | | | | | | | |
| **42.33** | **45.70** | 3.37 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White, coarse, finer grained near upper contact. Both contacts 40° to CA. | **220** | 42.33 | 43.33 | 1.00 | 0.44 |
| | | | | PG , common QZ , several large & small dark grey FP , MV - PH , SO . | | | | | |
| | | | | SO 10 - 12 %, crystals oriented 40° to CA, crystals up to 4 cm, crystals may occur in clusters. | | | | | |
| | | | | 2 small M1 enclaves : a 7 cm enclave at 44.45 m (Sample 221), & | **221** | 43.33 | 44.70 | 1.37 | 1.38 |
| | | | | a 5 cm enclave at 45.35 m (Sample 222). | **222** | 44.70 | 45.70 | 1.00 | 1.00 |
| | | | | | | | | | |
| **45.70** | **46.63** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, homogeneous type. Foliation 50° to CA. | | | | | |
| | | | | Only a few mm - cm white felsic veins parallel to foliation | | | | | |
| | | | | | | | | | |
| **46.63** | **51.52** | 4.89 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White, coarse, less coarse at both contacts. Upper contact 40° to CA, & lower contact 70° to CA. | **223** | 46.63 | 47.63 | 1.00 | 1.26 |
| | | | | PG , common QZ , minor dark grey FP , MV - PH up to 1.5 cm, SO . | **224** | 47.63 | 49.13 | 1.50 | 1.89 |
| | | | | SO 10 - 15 %, crystals up to 9 cm, crystals oriented 30° to CA, to subparallel to CA. | **225** | 49.13 | 50.52 | 1.39 | 1.47 |
| | | | | SO crystals also occur in clusters. | **226** | 50.52 | 51.52 | 1.00 | 1.57 |
| | | | | | **227** | STANDARD HIGH | | | 1.39 |
| | | | | | | | | | |
| **51.52** | **59.68** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, well foliated, homogeneous type. Foliation 50° to CA. | | | | | |
| | | | | A few mm - cm white felsic veins. | | | | | |
| | | | | A thicker pegmatite vein at 54.00 - 54.42 m, with contacts 60° to CA, & finer grained for 1 - 1.5 cm | | | | | |
| | | | | near contacts. | | | | | |
| | | | | | | | | | |
| **59.68** | **63.45** | 3.77 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White, coarse up to the contacts. PG , common QZ , MV - PH common up to 1.5 cm, SO . | **228** | 59.68 | 60.68 | 1.00 | 1.70 |
| | | | | SO 10 - 15 %, crystals up to 4 cm, crystals oriented 20 ° - 30° to CA. | **229** | 60.68 | 61.56 | 0.88 | 1.29 |
| | | | | SO crystals both fresh pale green, & altered SO with dark green colour (similar to Serpentine ST) | **230** | 61.56 | 62.45 | 0.89 | 0.67 |
| | | | | | **231** | 62.45 | 63.45 | 1.00 | 0.05 |
| | | | | | | | | | |
| **63.45** | **78.82** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same fine grained, medium grey, well foliated to well developed thin Tectonic Banding (mm - cm scale) | | | | | |
| | | | | Foliation / Tectonic Banding 30° - 50° to CA. Tectonic banding is shown by seggregation of fine grained | | | | | |
| | | | | BO in mm layers, commonly accompanied by minor PY . | | | | | |
| | | | | | | | | | |
| **78.82** | **86.35** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Greenish, well foliated, homogeneous, with abundant (~ 30 %) BO phenocrysts 0.5 - 1 cm, | | | | | |
| | | | | with a preferred orientation which defines the foliation. | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | The rock has the appearance of a gabbro. | | | | | |
| | | | | Upper & lower contacts 30° to CA, sharp contacts. | | | | | |
| | | | | Only a few white felsic veins mm - 5 cm thick. | | | | | |
| | | | | | | | | | |
| **86.35** | **122.05** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same fine grained grey, well foliated, & in some parts with good thin mm - cm tectonic banding. | | | | | |
| | | | | Foliation / tectonic banding 20° - 55° to CA. | | | | | |
| | | | | Several mm - cm white felsic veins. In places, the felsic material is irregularly distributed - | | | | | |
| | | | | e.g. at 98.27 - 99.10 m; 102.10 - 102.60 m; & 103.67 - 104.55 m. | | | | | |
| | | | | **Mafic Dyke - at 121.10 - 121.35 m, with both contacts 60° to CA. The dyke is similar to the** | | | | | |
| | | | | Mafic volcanics which contains ~ 5 mm BO phenocrysts. The dyke is strongly foliated near its margins, | | | | | |
| | | | | the foliation is parallel to the contacts. | | | | | |
| | | | | | | | | | |
| **122.05** | **131.60** | 9.55 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White, coarse, upper contact 70° to CA, & lower contact 40° to CA. | **232** | 122.05 | 123.05 | 1.00 | 0.95 |
| | | | | Common QZ in large grains greyish to whitish, very minor large & small dark grey FP , MV - PH , SO . | **233** | 123.05 | 124.55 | 1.50 | 0.12 |
| | | | | SO 10 - 15 %, very pale green, fresh crystals. Crystals up to 3.5 cm, | **234** | 124.55 | 126.05 | 1.50 | 1.19 |
| | | | | Some SO crystals occur in clusters with a preferred orientation of 40° to CA. | **235** | 126.05 | 127.55 | 1.50 | 1.13 |
| | | | | **Sample-232 - contains 2 enclaves of M1 : at 122.62 - 122.75 m, & at 122.95 - 123.05 m.** | **236** | 127.55 | 129.05 | 1.50 | 1.59 |
| | | | | | **237** | 129.05 | 130.60 | 1.55 | 1.39 |
| | | | | | **238** | 130.60 | 131.60 | 1.00 | 0.05 |
| | | | | | **568818** | DUPLICATE | | | 0.03 |
| | | | | | | | | | |
| **131.60** | **134.00** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same fine grained,grey, well foliated, homogeneous type. Foliation 45° to CA. | | | | | |
| | | | | In 2 places - both near the Upper Contact of M1 with the Pegmatite, & near the Lower Contact of M1 | | | | | |
| | | | | with the Mafic volcanics (with BO phenocrysts), there is irregular infiltration of the white felsic | | | | | |
| | | | | material for about 20 cm. These 2 zones contain possibly finely crystalline Tourmaline TL . | | | | | |
| | | | | Also, there are minor disseminations of AS - PY , ~ 2 - 3 %, in small mm grains. | | | | | |
| | | | | | | | | | |
| **134.00** | **161.90** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Same greenish, medium grained, very homogeneous, foliated, with abundant (30 - 35 %) | | | | | |
| | | | | BO phenocrysts 0.5 - 1 cm. The preferred orientation of these BO phenocrysts defines a good | | | | | |
| | | | | foliation. The intensity of foliation somewhat variable in different parts. | | | | | |
| | | | | Foliation 30° - 50° to CA. Upper contact 50° to CA. | | | | | |
| | | | | Rare mm - cm white felsic veins. A thicker QZ -rich pegmatite vein at 152.32 -152.70 m. | | | | | |
| | | | | | | | | | |
| | | | | **161.90 m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.44%/2.04m | 19.32 | 21.36 |
| 1.23%/5.00m | 24.47 | 29.47 |
| 1.22%/2.37m | 43.33 | 45.70 |
| 1.58%/4.89m | 46.63 | 51.52 |
| 1.51%/1.88m | 59.68 | 61.56 |
| 1.33%/6.05m | 124.55 | 130.60 |

LITHIUM ONE INC
Property : James Bay Lithium
DDH # : **JBL09-33** Start : August 2, 2009
Azimuth : 110° LOCATION UTM End : August 4, 2009
Dip: -45° 358448 mE
Elevation: 221m 5789402 mN

Drilled by : Chibougamau Diamond Drilling
Logged by : M K
**Verified by: AJMc** on August 4th, 2009

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **3.00** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **3.00** | **18.91** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Migmatized Paragneisses with well developed Migmatitic Banding caused by the presence of mm - cm | | | | | |
| | | | | white Mobilizate layers lit-par-lit parallel to foliation. Rocks are good Metatexites. | | | | | |
| | | | | The fine grained white mobilizate layers may be continuous or discontinuous, and contain | | | | | |
| | | | | white PG , QZ , minor MV . Paragneisses contain QZ , PG , BO , MV , SM . | | | | | |
| | | | | In places crenulation of foliation & migmatitic banding, Minor folds. | | | | | |
| | | | | Migmatitic Banding in large part subparallel to CA, or at low angle 20° - 30° to CA. | | | | | |
| | | | | Minor mm - cm white felsic veins x-cutting foliation. A pegmatite at 9.75 - 10.10 m, no visible SO . | | | | | |
| | | | | | | | | | |
| **18.91** | **22.15** | 3.24 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, finer grained at both contacts for a few cm. Upper & lower contacts 60° to CA. | **239** | 18.91 | 19.91 | 1.00 | 0.02 |
| | | | | PG , large QZ both whitish & smoky, patches of large & small dark grey FP , small patches of greenish | **240** | 19.91 | 21.15 | 1.24 | 0.60 |
| | | | | mica MV - PH , SO . | **241** | 21.15 | 22.15 | 1.00 | 0.38 |
| | | | | SO ~ 2 %, only a few isolated crystals, one large crystal 5 cm long with a narrow rim of MV . | | | | | |
| | | | | | | | | | |
| **22.15** | **27.82** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Metatexite, Magmatic banding 30° - 90° to CA. | | | | | |
| | | | | | | | | | |
| **27.82** | **28.48** | 0.66 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse in some parts, finer grained near contacts, and in other interior parts. | **242** | 27.82 | 28.48 | 0.66 | 0.34 |
| | | | | Upper & lower contacts at high angle to CA. | | | | | |
| | | | | PG , QZ , MV - PH , dark grey FP . 2 small (5 cm) enclaves of M2 in pegmatite. | | | | | |
| | | | | No visible SO . | | | | | |
| | | | | | | | | | |
| **28.48** | **28.88** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Same metatexite. Foliation at high angle to CA. | | | | | |
| | | | | | | | | | |
| **28.88** | **29.32** | 0.44 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Mixed coarse & finer grained. PG , QZ , MV - PH , no visible SO . | **243** | 28.88 | 29.32 | 0.44 | 1.39 |
| | | | | Both contacts at high angle to CA. | | | | | |
| | | | | | | | | | |
| **29.32** | **31.98** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, homogeneous type. | | | | | |
| | | | | Very minor white mm felsic veins. A pegmatite at 30.66 - 30 .73 m. | | | | | |
| | | | | | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **31.98** | **32.37** | 0.39 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, finer grained near contacts. | **244** | 31.98 | 32.37 | 0.39 | 0.05 |
| | | | | Upper contact 90° to CA, & lower contact 35° to CA. | | | | | |
| | | | | PG , QZ , small greenish MV - PH patches. No visible SO . | | | | | |
| | | | | | | | | | |
| **32.37** | **32.79** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Metatexite after paragneisses. Migmatitic banding subparallel to CA. | | | | | |
| | | | | | | | | | |
| **32.79** | **42.48** | 9.69 | **I1G** | **PEGMATITE (Very good section)** | | | | | |
| | | | | White, coarse, coarse even near contacts. | **245** | 32.79 | 33.79 | 1.00 | 1.78 |
| | | | | PG , common coarse QZ , minor dark grey FP , MV - PH up to 2 cm , SO . | **246** | 33.79 | 35.29 | 1.50 | 1.42 |
| | | | | SO = 20 - 25 %, very pale green, oriented mostly parallel & subparallel to CA. | **247** | 35.29 | 36.79 | 1.50 | 1.83 |
| | | | | Abundant long crystals, some up to 15 cm long, crystals 5 - 7 cm common. | **248** | STANDARD HIGH | | | 1.32 |
| | | | | | **249** | 36.79 | 38.29 | 1.50 | 1.69 |
| | | | | | **250** | 38.29 | 39.79 | 1.50 | 1.32 |
| | | | | | **251** | BLANK | | | <100 ppm |
| | | | | | **252** | 39.79 | 40.64 | 0.85 | 1.36 |
| | | | | | **253** | 40.64 | 41.48 | 0.84 | 1.08 |
| | | | | | **254** | 41.48 | 42.48 | 1.00 | 1.96 |
| | | | | | | | | | |
| **42.48** | **43.60** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, strong foliation at high angle to CA. | | | | | |
| | | | | One pegmatite vein 4 cm thick. | | | | | |
| | | | | | | | | | |
| **43.60** | **46.42** | 2.82 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White, coarse, finer grained near contacts. Upper & lower contacts at high angle to CA. | **255** | 43.60 | 44.60 | 1.00 | 1.76 |
| | | | | PG , QZ common coarse, minor dark grey FP , MV - PH up to 1 cm, SO . | **256** | 44.60 | 45.42 | 0.82 | 1.47 |
| | | | | SO ~ 15 %, pale green, crystals up to 7 cm. Crystals oriented subparallel to 30° to CA. | **257** | 45.42 | 46.42 | 1.00 | 1.00 |
| | | | | | | | | | |
| **46.42** | **48.05** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Metatexite, Migmatitic banding subparallel to CA, or at low angle to CA. | | | | | |
| | | | | A pegmatite vein at 46.66 - 46.81 m, both contacts at high angle to CA. | | | | | |
| | | | | Pegmatite vein finer grained at upper contact, & coarser grained in lower part. | | | | | |
| | | | | | | | | | |
| **48.05** | **49.21** | 1.16 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White, coarse. Upper & lower contacts at high angle to CA. | **258** | 48.05 | 49.21 | 1.16 | 1.70 |
| | | | | PG , coarse QZ , very minor dark grey FP , MV - PH up to 1 cm, SO . | | | | | |
| | | | | SO ~ 10 - 15 %, crystals up to 5 cm, smaller crystals 1 - 3 cm occur in clusters. | | | | | |
| | | | | SO crystals oriented subparallel to 30° to CA. | | | | | |
| | | | | | | | | | |
| **49.21** | **55.85** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, homogeneous to heterogeneous due to the presence of minor mobilizate | | | | | |
| | | | | lit-par-lit in parts. Well foliated. Foliation at high angle to CA. | | | | | |
| | | | | A few white mm - cm felsic veins. | | | | | |
| | | | | A pegmatite vein at 51.14 - 51.29 m with contacts at high angle to CA. | | | | | |
| | | | | | | | | | |
| **55.85** | **60.25** | 4.40 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White, coarse. Upper contact at high angle to CA. Lower contact 45° to CA. | **259** | 55.85 | 56.85 | 1.00 | 0.57 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | PG , common QZ large greyish, MV - PH common flakes & booklets 1 - 3 cm, SO . | **260** | 56.85 | 58.05 | 1.20 | 1.07 |
| | | | | SO ~ 15 %, pale green, several large crystals 5 - 7 cm. | **261** | 58.05 | 59.25 | 1.20 | 0.70 |
| | | | | SO crystals oriented 25° to CA, or subparallel to CA. | **262** | STANDARD LOW | | | 0.85 |
| | | | | | **263** | 59.25 | 60.25 | 1.00 | 1.09 |
| | | | | | | | | | |
| **60.25** | **67.75** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Paragneiss homogeneous to heterogeneous, similar to 49.21 - 55.85 m. | | | | | |
| | | | | Foliation 45° - 50° to CA. Only a few mm - cm white felsic veins. | | | | | |
| | | | | | | | | | |
| **67.75** | **68.85** | 1.10 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, common QZ , PG , MV - PH greenish patches. | **264** | 67.75 | 68.85 | 1.10 | 0.04 |
| | | | | No visible SO . | | | | | |
| | | | | | | | | | |
| **68.85** | **89.69** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, well foliated, homogeneous type. Foliation 50° - 70° to CA. | | | | | |
| | | | | Several fine grained, white mm - cm felsic veins. | | | | | |
| | | | | A few thicker felsic or pegmatite veins 1.5 - 7 cm thick. | | | | | |
| | | | | | | | | | |
| **89.69** | **90.25** | 0.56 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, white. Upper contact 40° to CA, & lower contact at high angle to CA. | **265** | 89.69 | 90.25 | 0.56 | 0.03 |
| | | | | PG , QZ , large patches of dark grey FP . | | | | | |
| | | | | No visible SO . | | | | | |
| | | | | | | | | | |
| **90.25** | **90.65** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained homogeneous type. Foliation at high angle to CA. | | | | | |
| | | | | | | | | | |
| **90.65** | **91.10** | 0.45 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, white. Both contacts 65° to CA. PG , QZ , very minor dark grey FP . | **266** | 90.65 | 91.10 | 0.45 | 0.03 |
| | | | | No visible SO . | | | | | |
| | | | | | | | | | |
| **91.10** | **94.77** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, homogeneous type. Foliation 40° - 50° to CA. | | | | | |
| | | | | A few white fine grained mm felsic veins. | | | | | |
| | | | | | | | | | |
| **94.77** | **97.70** | 2.93 | **I1G** | **PEGMATITE (Very good section)** | | | | | |
| | | | | White, coarse, PG , common large & small QZ greyish & whitish, MV - PH , SO . | **267** | 94.77 | 95.77 | 1.00 | 0.47 |
| | | | | SO ~ 15 %, pale green, large & small crystals 1 - 7 cm, larger crystals up to 7 cm. | **268** | 95.77 | 96.70 | 0.93 | 1.72 |
| | | | | SO crystals oriented 60° to CA. | **269** | 96.70 | 97.70 | 1.00 | 1.88 |
| | | | | | | | | | |
| **97.70** | **103.43** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, homogeneous type. Foliation at high angle to CA. | | | | | |
| | | | | Only a few mm felsic veins. | | | | | |
| | | | | A small pegmatite vein at 98.16 - 98.22 m, with both contacts at high angle to CA, & finer grained | | | | | |
| | | | | near both contacts. | | | | | |
| | | | | Another white pegmatite vein at 100.88 - 101.06 m, fine grained at both contacts; this pegmatite | | | | | |
| | | | | contains a 5 cm M1 enclave. | | | | | |
| | | | | Another white pegmatite vein at 102.17 - 102.25 m. | | | | | |
| | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|
| **103.43** | **110.68** | 7.25 | **I1G** | **PEGMATITE (Excellent section)** | | | | | |
| | | | | Coarse, white. Upper contact 90° to CA, & lower contact 40° to CA. | **270** | 103.43 | 104.43 | 1.00 | 1.41 |
| | | | | PG , QZ common grey - smoky, MV - PH , SO . Dark grey FP tend to occur near the contacts with M1; | **271** | 104.43 | 105.93 | 1.50 | 2.28 |
| | | | | e.g. here near both contacts the pegmatites contain dark grey FP for about 30 - 40cm from contacts. | **272** | 105.93 | 107.43 | 1.50 | 2.04 |
| | | | | *Excellent section for SO ~ 20 - 25 %, very pale green, fresh crystals, oriented parallel to CA.* | **273** | 107.43 | 108.93 | 1.50 | 2.32 |
| | | | | SO crystals between 5 - 10 cm quite common, larger crystals up to 15 cm x 2 cm. | **568819** | DUPLICATE | | | 2.54 |
| | | | | Minor MV - PH < 1 cm. | **274** | 108.93 | 109.68 | 0.75 | 1.79 |
| | | | | | **275** | 109.68 | 110.68 | 1.00 | 1.20 |
| | | | | | | | | | |
| **110.68** | **113.75** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, homogeneous type. Foliation 40° - 50° to CA. Rare mm felsic veins. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| **113.75** | **118.63** | 4.88 | **I1G** | **PEGMATITE (Excellent section)** | | | | | |
| | | | | White, coarse even at both contacts, which are at 90° to CA. | **276** | 113.75 | 114.75 | 1.00 | 1.49 |
| | | | | PG , common QZ , MV - PH , SO . Only minor dark grey FP seen near upper contact. | **277** | 114.75 | 116.25 | 1.50 | 2.26 |
| | | | | SO ~ 20 - 25 %, very pale green, fresh, crystals 5 - 10 cm common. | **278** | 116.25 | 117.63 | 1.38 | 2.30 |
| | | | | Larger SO crystals up to 15 cm x 2.5 cm. Large SO crystals up to quite near both contacts. | **279** | 117.63 | 118.63 | 1.00 | 1.56 |
| | | | | SO crystals oriented mostly subparallel to CA, and some 20° to CA. | | | | | |
| | | | | | | | | | |
| **118.63** | **120.10** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, homogeneous type. Foliation 35° to CA - subparallel to CA. | | | | | |
| | | | | | | | | | |
| **120.10** | **124.20** | 4.10 | **I1G** | **PEGMATITE (Very good section)** | | | | | |
| | | | | White, coarse even up to contacts. Upper & lower contacts 60° to CA. | **280** | 120.10 | 121.10 | 1.00 | 1.74 |
| | | | | PG , large common QZ greyish, MV - PH < 1.5 cm, SO . | **281** | 121.10 | 122.15 | 1.05 | 1.71 |
| | | | | Very minor dark grey FP only near lower contact for < 10 cm. | **282** | 122.15 | 123.20 | 1.05 | 2.11 |
| | | | | SO ~ 15 - 20 %, larger crystals up to 5 - 12 cm, other crystals < 5 cm, smaller crystals form clusters. | **283** | 123.20 | 124.20 | 1.00 | 1.83 |
| | | | | SO crystals oriented subparallel to CA, to 20° to CA. | **284** | STANDARD HIGH | | | 1.36 |
| | | | | | | | | | |
| **124.20** | **126.13** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey,homogeneous type. QZ , PG , BO , MV . Foliation 30° - 50° to CA. | | | | | |
| | | | | | | | | | |
| **126.13** | **131.47** | 5.34 | **I1G** | **PEGMATITE (Very good section)** | | | | | |
| | | | | White, coarse even near contacts. Upper contact 60° to CA, & lower contact at high angle to CA. | **285** | 126.13 | 127.13 | 1.00 | 0.71 |
| | | | | PG , large common QZ , MV - PH common < 2 cm, SO . | **286** | 127.13 | 128.80 | 1.67 | 1.66 |
| | | | | Dark grey FP seen from upper contact at 126.13 m to 127.00 m. | **287** | 128.80 | 130.47 | 1.67 | 2.06 |
| | | | | SO ~ 15 %, some larger crystals 6 cm x 3 cm, 10 cm x 1 cm. | **288** | 130.47 | 131.47 | 1.00 | 2.99 |
| | | | | SO crystals oriented subparallel to CA, to 30° to CA. | | | | | |
| | | | | | | | | | |
| **131.47** | **135.31** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, well foliated, homogeneous type. Foliation 50° - 60° to CA. | | | | | |
| | | | | | | | | | |
| **135.31** | **143.80** | 8.49 | **I1G** | **PEGMATITE (Good section in parts)** | | | | | |
| | | | | White, coarse even near contacts. Upper contact high angle to CA, & lower contact 20° to CA. | | | | | |
| | | | | PG , common QZ , several dark grey FP , MV - PH , SO . | | | | | |
| | | | | SO ~ 10 - 12 %, crystals 1 - 3 cm common, larger crystals up to 5 cm. | | | | | |
| | | | | SO crystals oriented subparallel - to 20° - 40° to CA. Smaller crystals also in clusters. | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sample 289 - 3 cm enclave of M1 at 135.60 m. | **289** | 135.31 | 136.31 | 1.00 | 1.56 |
| | | | | Sample 290 - M1 from 136.88 - 137.20 m. | **290** | 136.31 | 137.22 | 0.91 | 0.62 |
| | | | | Sample 291 - M1 from 137.24 - 137.45 m. | **291** | 137.22 | 138.72 | 1.50 | 1.07 |
| | | | | | **292** | BLANK | | | <100 ppm |
| | | | | | **293** | 138.72 | 140.22 | 1.50 | 1.21 |
| | | | | | **294** | 140.22 | 141.72 | 1.50 | 0.71 |
| | | | | Sample 295 - M1 from 142.70 - 142.89 m. | **295** | 141.72 | 142.89 | 1.17 | 0.95 |
| | | | | Sample 296 - M1 from 143.02 - 143.36 m. | **296** | 142.89 | 143.80 | 0.91 | 0.13 |
| | | | | | | | | | |
| **143.80** | **148.16** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, homogeneous type - QZ , PG , BO , MV , & possibly minor SM . | | | | | |
| | | | | Foliation at high angle to CA. Rare mm white felsic veins. | | | | | |
| | | | | A few cm pegmatite veins - e.g. 2 cm vein at 144.55 m; & vein at 145.09 - 145.21 m. | | | | | |
| | | | | A larger pegmatite vein at 147.48 - 147.80 m contains a 13 cm enclave of M1. | | | | | |
| | | | | | | | | | |
| **148.16** | **148.57** | 0.41 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse with finer grained at contacts for 2 - 4 cm. Both contacts at 90° to CA. | **297** | 148.16 | 148.57 | 0.41 | 0.01 |
| | | | | PG , QZ , MV - PH , common presence of dark grey FP. | | | | | |
| | | | | No visible SO . | | | | | |
| | | | | | | | | | |
| **148.57** | **150.00** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, homogeneous type. A few mm white felsic veins. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | **150,00 m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.57%/9.69m | 32.79 | 42.48 |
| 1.40%/2.82m | 43.6 | 46.42 |
| 1.80%/1.93m | 95.77 | 97.70 |
| 1.94%/7.25m | 103.43 | 110.68 |
| 1.97%/4.88m | 113.75 | 118.63 |
| 1.85%/4.10m | 120.10 | 124.20 |
| 2.12%/4.34m | 127.13 | 131.47 |
| 1.02%/7.58m | 135.31 | 142.89 |

LITHIUM ONE INC.
Property : James Bay Lithium

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DDH # : | **JBL09-34** | | Start : August 4, 2009 | Drilled by : | | Chibougamau | |
| Azimuth : | 110° | LOCATION UTM | End : August 6, 2009 | | | Diamond Drilling | |
| Dip: | -75° | 358448 mE | | Logged by : | | M K | |
| Elevation: | 221m | 5789402 mN | | **Verified by:** | **AJMc** | on August 5th, 2009 | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **3.00** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **3.00** | **13.96** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Metatexites - good Migmatitic Banding mm - cm, caused by distribution of fine to medium grained | | | | | |
| | | | | felsic Mobilizate, lit-par-lit. | | | | | |
| | | | | The Migmatitic Banding may be nearly parallel to CA, & may vary up to 30° to CA. | | | | | |
| | | | | Common minor folding of the migmatitic banding. | | | | | |
| | | | | Composition - QZ , PG , BO , CL , MV , possibly SM - AD in places. | | | | | |
| | | | | Minor mm - cm white felsic veins x-cut migmatic banding. | | | | | |
| | | | | | | | | | |
| **13.96** | **14.29** | 0.33 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse. Upper & lower contacts 45° to CA. | | | | | |
| | | | | On both sides of pegmatite the metasediments show a very strong deformation, & there is more CL . | | | | | |
| | | | | PG , QZ , common MV - PH up to 2 cm. Abundance of MV - PH gives a shiny appearance to I1G. | | | | | |
| | | | | | | | | | |
| **14.29** | **27.56** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Continuation of the same metasediments as 3.00 - 13.96 m. | | | | | |
| | | | | | | | | | |
| **27.56** | **30.15** | 2.59 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, finer grained for ~ 15 cm near upper contact. Both contacts 20° - 30° to CA. | **298** | 27.56 | 28.56 | 1.00 | 0.10 |
| | | | | PG , QZ common, minor large & small dark grey FP , MV - PH , SO . | **299** | 28.56 | 29.15 | 0.59 | 1.34 |
| | | | | SO ~ 5 - 7 %, pale green, some large crystals up to 7 cm. SO crystals oriented 25° to CA. | **300** | 29.15 | 30.15 | 1.00 | 0.99 |
| | | | | | | | | | |
| **30.15** | **32.50** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Metatexite, good migmatitic banding mm - cm. Banding oriented 40° to CA. | | | | | |
| | | | | | | | | | |
| **32.50** | **33.11** | 0.61 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, finer grained for ~ 20 cm near upper contact. 8 cm M2 enclave in lower part of vein. | **301** | 32.50 | 33.11 | 0.61 | 0.62 |
| | | | | Upper contact 30° to CA, & lower contact 50° to CA. | | | | | |
| | | | | PG , QZ , very minor dark grey FP , MV - PH , SO . | | | | | |
| | | | | SO ~ 3 %, rare scattered crystals 1 - 4 cm. | | | | | |
| | | | | | | | | | |
| **33.11** | **37.00** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, homogeneous type. Foliation 40° to CA. | | | | | |
| | | | | Minor white mm - cm felsic veins, parallel to foliation & some x-cutting foliation. | | | | | |
| | | | | A thicker pegmatite at 33.75 - 33.86 m. | | | | | |
| | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|
| **37.00** | **37.65** | 0.65 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, finer grained close to contacts. | **302** | 37.00 | 37.65 | 0.65 | 1.87 |
| | | | | Upper contact at high angle to CA, & lower contact 30° to CA. | **303** | STANDARD LOW | | | 0.82 |
| | | | | PG , QZ , minor large & small dark FP , MV - PH , SO . | | | | | |
| | | | | SO ~ 3 - 5 %, somewhat altered, small crystals 1 - 2 cm. | | | | | |
| | | | | | | | | | |
| **37.65** | **38.54** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, homogeneous type. Foliation 40° to CA. | | | | | |
| | | | | | | | | | |
| **38.54** | **39.10** | 0.56 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, finer grained close to contacts. Upper & lower contacts 40° to CA. | **304** | 38.54 | 39.10 | 0.56 | 1.06 |
| | | | | PG , QZ , minor small dark grey FP , MV - PH , SO . A 1 cm enclave of M1. | | | | | |
| | | | | SO ~ 3 - 5 %, whitish, small crystals 1 - 2 cm. | | | | | |
| | | | | | | | | | |
| **39.10** | **41.95** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, homogeneous type. Foliation 45° to CA. | | | | | |
| | | | | Rare mm - cm felsic veins. 2 pegmatite veins at 39.39 - 39.44 m; & 41.53 - 41.63 m, both with | | | | | |
| | | | | contacts 45° to CA, i.e. parallel to foliation of M1. | | | | | |
| | | | | | | | | | |
| **41.95** | **59.52** | 17.57 | **I1G** | **PEGMATITE (Very good section)** | | | | | |
| | | | | White, coarse, Upper & lower contacts 45° to CA. | **305** | 41.95 | 42.95 | 1.00 | 0.62 |
| | | | | PG , common large QZ , minor large dark grey FP near upper contact, MV - PH , SO . | **306** | 42.95 | 44.45 | 1.50 | 1.48 |
| | | | | SO ~ 15 %, large & small crystals, 2 - 5 cm crystals common, larger crystals up to 7 cm. | **307** | 44.45 | 45.95 | 1.50 | 1.43 |
| | | | | SO crystals vary in orientation from subparallel to CA, to 20° - 30° to CA. | **308** | 45.95 | 47.45 | 1.50 | 1.02 |
| | | | | MV - PH flakes & booklets common, up to 2 - 3 cm. | **309** | 47.45 | 48.95 | 1.50 | 1.21 |
| | | | | **Sample-306 - M1 between 43.42 - 43.60 m.** | **310** | 48.95 | 50.45 | 1.50 | 1.90 |
| | | | | | **311** | 50.45 | 51.95 | 1.50 | 1.55 |
| | | | | | **312** | 51.95 | 53.45 | 1.50 | 1.55 |
| | | | | | **313** | 53.45 | 54.95 | 1.50 | 1.52 |
| | | | | | **314** | 54.95 | 56.45 | 1.50 | 1.77 |
| | | | | | **568820** | DUPLICATE | | | 1.99 |
| | | | | | **315** | 56.45 | 57.95 | 1.50 | 1.30 |
| | | | | | **316** | 57.95 | 58.52 | 0.57 | 2.71 |
| | | | | | **317** | 58.52 | 59.52 | 1.00 | 1.24 |
| | | | | | | | | | |
| **59.52** | **61.25** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, homogneous type. Foliation 50° to CA. | | | | | |
| | | | | A few mm - cm felsic veins. | | | | | |
| | | | | | | | | | |
| **61.25** | **62.04** | 0.79 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, white, finer grained for 7 - 10 cm near both contacts which are 40° to CA. | **318** | 61.25 | 62.04 | 0.79 | 0.26 |
| | | | | PG , QZ , MV - PH , SO . | | | | | |
| | | | | SO ~ 10 - 12 %, crystals 1 - 3 cm, subparallel to CA, to 30° to CA. | | | | | |
| | | | | Most SO crystals show dark green (Serpentine like) alteration. | | | | | |
| | | | | | | | | | |
| **62.04** | **62.50** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same homogeneous type paragneiss. | | | | | |
| | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|
| **62.50** | **65.68** | 3.18 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, finer grained for a few cm close to contacts. Both contacts 30° to CA. | **319** | 62.50 | 63.50 | 1.00 | 1.56 |
| | | | | PG , common large QZ , MV - PH common up to 1.5 cm, SO . | **320** | 63.50 | 64.68 | 1.18 | 1.48 |
| | | | | SO ~ 7 %, crystals up to 3 cm. SO crystals oriented subparallel to CA, to 30° to CA. | **321** | 64.68 | 65.68 | 1.00 | 1.30 |
| | | | | Small greenish patches of MV - PH . | | | | | |
| | | | | | | | | | |
| **65.68** | **66.14** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, homogeneous type paragneiss. | | | | | |
| | | | | | | | | | |
| **66.14** | **67.48** | 1.34 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse even at contacts. Both contacts 50° to CA. | **322** | 66.14 | 67.48 | 1.34 | 0.24 |
| | | | | PG , large common QZ , common MV - PH , SO . | | | | | |
| | | | | SO ~ 3 - 5 %, SO occurs in clusters in different parts. | | | | | |
| | | | | Near upper contact SO shows dark green (Serpentine like) alteration colour. | | | | | |
| | | | | Slightly below this we see fresh as well as greenish altered SO . | | | | | |
| | | | | Crystals up to 3 cm, oriented subparallel or at low angles to CA. | | | | | |
| | | | | | | | | | |
| **67.48** | **69.09** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same homogeneous type paragneiss. | | | | | |
| | | | | | | | | | |
| **69.09** | **70.11** | 1.02 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse even at contacts. Both contacts at high angles to CA. | **323** | 69.09 | 70.11 | 1.02 | 0.04 |
| | | | | PG , common QZ , MV - PH common, SO . | | | | | |
| | | | | SO rare 2 - 3 %, scattered crystals. SO with dark green (Serpentine like) alteration. | | | | | |
| | | | | A 10 cm x 3 cm M1 enclave near upper contact. | | | | | |
| | | | | | | | | | |
| **70.11** | **70.60** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same homogeneous type paragneiss. | | | | | |
| | | | | | | | | | |
| **70.60** | **71.20** | 0.60 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse even at contacts. Both contacts 25° - 30° to CA. | **324** | 70.60 | 71.20 | 0.60 | 0.10 |
| | | | | PG , QZ common, MV - PH , SO . | **325** | STANDARD HIGH | | | 1.29 |
| | | | | SO ~ 2 - 3 %, scattered crystals, some crystals show green alterations. | | | | | |
| | | | | | | | | | |
| **71.20** | **87.46** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained grey, well foliated, homogeneous type. Foliation 30° - 50° to CA. | | | | | |
| | | | | A few mm felsic veins. Also a few coarser felsic veins 1 - 4 cm. | | | | | |
| | | | | | | | | | |
| **87.46** | **88.45** | 0.99 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, white, finer grained for a few cm near contacts. Both contacts at high angle to CA. | **326** | 87.46 | 88.45 | 0.99 | 0.05 |
| | | | | PG , QZ common, MV - PH , SO . | | | | | |
| | | | | SO rare 1 - 2 %, small crystals, pale greenish alteration. | | | | | |
| | | | | | | | | | |
| **88.45** | **100.60** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, well foliated, homogeneous type. Foliation 50° - 60° to CA. | | | | | |
| | | | | A few white mm felsic veins. A thicker pegmatite vein at 97.10 - 97.57 m. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|
| **100.60** | **103.65** | 3.05 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse even at contacts. Both upper & lower contacts 60° to CA. | **327** | 100.60 | 101.60 | 1.00 | 0.98 |
| | | | | PG , common large QZ , some large dark grey FP near contacts, MV - PH common, SO . | **328** | 101.60 | 103.10 | 1.50 | 1.58 |
| | | | | SO ~ 10 %, very pale green, crystals up to 4 cm x 2 cm, crystals occur in clusters also. | **329** | 103.10 | 103.65 | 0.55 | 0.11 |
| | | | | SO crystals oriented 70° to CA. | | | | | |
| | | | | | | | | | |
| **103.65** | **128.95** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, well foliated, homogeneous type. Foliation 40° - 50° to CA. | | | | | |
| | | | | A few mm - cm white felsic veins. A few thicker felsic veins at 105.30 - 105.40 m; | | | | | |
| | | | | 120.35 - 120.45 m; 122.30 - 122.37 m; & 127.51 - 127.63 m. | | | | | |
| | | | | A small portion of Mafic Volcanics with BO phenocrysts at 126.55 - 126.85 m. | | | | | |
| | | | | | | | | | |
| **128.95** | **132.34** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Dark green, foliated, fine grained matrix with abundant (20 %) 5 mm BO phenocrysts. | | | | | |
| | | | | The preferred orientation of BO phenocrysts defines foliation, 30° - 40° to CA. | | | | | |
| | | | | Within the mafic volcanics there is M1 between 130.70 - 131.34 m. | | | | | |
| | | | | | | | | | |
| **132.34** | **135.24** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, homogeneous type. Foliation 50° to CA. A few mm - cm felsic veins. | | | | | |
| | | | | | | | | | |
| **135.24** | **159.70** | 24.46 | **I1G** | **PEGMATITE (Excellent section - SO very pale green to nearly whitish)** | | | | | |
| | | | | Coarse, white. Both contacts at high angle to CA. | **330** | 135.24 | 136.24 | 1.00 | 0.10 |
| | | | | PG , common large QZ , very minor large dark grey FP in places, MV - PH common < 1 cm, SO . | **331** | 136.24 | 137.74 | 1.50 | 1.01 |
| | | | | SO ~ 20 - 25 %, very pale green to nearly whitish, crystals 2 - 3 cm common, | **332** | 137.74 | 139.24 | 1.50 | 1.87 |
| | | | | larger crystals up to 7 cm. | **333** | BLANK | | | <100 ppm |
| | | | | SO crystals show good preferred orientation - nearly subparallel to CA, to 20° - 30° to CA. | **334** | 139.24 | 140.74 | 1.50 | 1.59 |
| | | | | | **335** | 140.74 | 142.24 | 1.50 | 1.42 |
| | | | | | **336** | 142.24 | 143.74 | 1.50 | 1.83 |
| | | | | | **337** | 143.74 | 145.24 | 1.50 | 1.94 |
| | | | | | **338** | 145.24 | 146.74 | 1.50 | 1.76 |
| | | | | | **339** | 146.74 | 148.24 | 1.50 | 1.94 |
| | | | | | **340** | 148.24 | 149.74 | 1.50 | 1.95 |
| | | | | | **341** | 149.74 | 151.24 | 1.50 | 1.82 |
| | | | | | **342** | 151.24 | 152.74 | 1.50 | 1.25 |
| | | | | | **343** | 152.74 | 154.24 | 1.50 | 1.76 |
| | | | | | **344** | STANDARD HIGH | | | 1.37 |
| | | | | | **345** | 154.24 | 155.24 | 1.00 | 1.97 |
| | | | | M1 found between 156.21 - 156.65 not sampled. | **346** | 155.24 | 156.21 | 0.97 | 2.01 |
| | | | | | **347** | 156.65 | 157.70 | 1.05 | 1.48 |
| | | | | | **348** | 157.70 | 158.70 | 1.00 | 1.66 |
| | | | | | **349** | 158.70 | 159.70 | 1.00 | 1.32 |
| | | | | | | | | | |
| **159.70** | **168.25** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, well foliated, homogeneous type. Foliation 50° to CA. | | | | | |
| | | | | A few mm - cm white felsic veins. | | | | | |
| | | | | A thicker pegmatite vein at 162.00 - 162.30 m, white, coarse, fine grained near contacts, | | | | | |
| | | | | both contacts 40° to CA, no visible SO . | | | | | |
| | | | | | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **168.25** | **171.58** | 3.33 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, finer grained for ~ 10 cm near contacts. Both contacts at 50° - 60° to CA. | **350** | 168.25 | 169.25 | 1.00 | 0.58 |
| | | | | PG , common large QZ , minor dark grey FP near contacts, MV - PH common up to 2 cm, SO . | **351** | 169.25 | 170.58 | 1.33 | 1.19 |
| | | | | SO ~ 7 %, very pale green crystals up to 3 cm, 1 - 3 cm crystal occur in clusters also in parts. | **352** | 170.58 | 171.58 | 1.00 | 0.06 |
| | | | | | | | | | |
| **171.58** | **191.93** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, homogeneous type. Foliation 25° to CA, to nearly subparallel to CA. | | | | | |
| | | | | Several mm white felsic veins. Some thicker white felsic veins 1 - 6 cm. | | | | | |
| | | | | These veins may be parallel to foliation or x-cut foliation. | | | | | |
| | | | | | | | | | |
| | | | | **191,93 m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.51%/16.57m | 42.95 | 59.52 |
| 1.45%/3.18m | 62.50 | 65.68 |
| 1.34%/2.50m | 100.60 | 103.10 |
| 1.65%/23.46m | 136.24 | 159.70 |

LITHIUM ONE INC.
Property : James Bay Lithium
DDH # : **JBL09-35** Start : August 6, 2009
Azimuth : 110° LOCATION UTM End : August 7, 2009
Dip: -50° 358425 mE
Elevation: 219m 5789353 mN

Drilled by : Chibougamau Diamond Drilling
Logged by : M K
**Verified by:** **AJMc** on August 8th, 2009

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **4.00** | | | **OVERBURDEN & Broken material** | | | | | |
| | | | | | | | | | |
| **4.00** | **34.38** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Fine to very fine grained, grey, well foliated to thin Magmatic Banding (Metatexite). | | | | | |
| | | | | Foliation & Magmatic Banding subparallel to CA, and also with a small angle to CA. | | | | | |
| | | | | The whitish mobilizate is present in mm - cm layers parallel to foliation. | | | | | |
| | | | | The presence of Mobilizate in continuous layers causes Migmatitic Banding. | | | | | |
| | | | | Presence of minor folding in places. | | | | | |
| | | | | Rocks in some parts look more like very fine grained metabasalt. | | | | | |
| | | | | A few white mm - cm felsic veins x-cutting foliation. A thicker pegmatite at 33.60 - 33.77 m with | | | | | |
| | | | | contacts at high angle to CA. Pegmatite is finer grained for ~ 2 cm near both contacts. The central | | | | | |
| | | | | coarser parts contain some dark grey FP . Both above & below this pegmatite the M2 is more | | | | | |
| | | | | schistose for a distance of ~ 15 cm, & contains common 0.5 - 1 cm MV flakes. | | | | | |
| | | | | | | | | | |
| **34.38** | **42.22** | 7.84 | **I1G** | **PEGMATITE (Excellent section - pale SO , & good examples of Serpentine-like alteration)** | | | | | |
| | | | | White, coarse. Upper contact high angle to CA, & lower contact 20° to CA. | **353** | 34.38 | 35.38 | 1.00 | 0.48 |
| | | | | PG , large common QZ , minor dark grey FP near contacts, common MV - PH up to 2 - 3 - 4 cm, SO . | **354** | 35.38 | 36.64 | 1.26 | 1.08 |
| | | | | SO ~ 15 - 20 %, very pale green to nearly whitish, common crystals 2 4 cm, larger crystals 8 x 3 cm. | **355** | 36.64 | 37.90 | 1.26 | 1.35 |
| | | | | SO crystals show good preferred orientation from subparallel to CA, to 20° - 30° to CA. | **568821** | DUPLICATE | | | 1.81 |
| | | | | Between 40.55 - 42.10 there are good examples of partial to nearly complete alterations of SO to | **356** | 38.18 | 39.70 | 1.52 | 0.80 |
| | | | | dark green colour - similar to that of Serpentine ST . The SO crystals here are 1 - 4 cm, & larger | **357** | 39.70 | 41.22 | 1.52 | 1.78 |
| | | | | crystals 7 x 2 cm. The unaltered cores of SO crystals preserve pale green colour of SO , whereas | **358** | 41.22 | 42.22 | 1.00 | 0.26 |
| | | | | the altered marginal parts, & in case of extensive alteration, the crystal becomes serpentine-like | | | | | |
| | | | | dark green. In some cases different sections of a long crystal are preserved, with altered parts | | | | | |
| | | | | in between the fresh sections. | | | | | |
| | | | | M1 between 37.90 - 38.18 m not sampled. | | | | | |
| | | | | | | | | | |
| **42.22** | **53.28** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Fine to very fine grained Metatexite, good mm - cm migmatitic banding. The white mobilizate present | | | | | |
| | | | | in continuous to discontinuous layers, & in elongate lenses. | | | | | |
| | | | | Migmatitic banding is subparallel to CA, to low angle to CA. | | | | | |
| | | | | At 43.30 - 44.05 m, schistose rock with more micaceous minerals, on both sides of a pegmatite. | | | | | |
| | | | | A few mm white felsic veins x-cut foliation. | | | | | |
| | | | | | | | | | |
| **53.28** | **53.64** | 0.36 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse even at contacts. Upper contact 50° to CA, & lower contact high angle to CA. | **359** | 53.28 | 53.64 | 0.36 | 0.02 |
| | | | | PG , QZ , rare dark grey FP near contacts, MV - PH . No visible SO . | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **53.64** | **54.40** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Thinly layered Metatexite with white mobilizate lit-par-lit in mm - cm layers. | | | | | |
| | | | | Very minor disseminated AS ~ 1 - 2 %. | | | | | |
| | | | | Migmatitic banding high angle to CA. | | | | | |
| | | | | | | | | | |
| **54.40** | **55.15** | 0.75 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, white. Upper contact very low angle to CA, & lower contact 45° to CA. | **360** | 54.40 | 55.15 | 0.75 | 0.02 |
| | | | | PG , QZ , minor dark grey FP , greenish patches of MV - PH . No visible SO . | | | | | |
| | | | | | | | | | |
| **55.15** | **66.53** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Metatexite, thin migmatitic banding with white mobilizate lit-par-lit in mm - cm layers. | | | | | |
| | | | | Migmatitic banding is variable with respect to CA - very low angle to CA, subparallel to CA, | | | | | |
| | | | | well parallel to CA, & at higher angles to CA. | | | | | |
| | | | | The M2 near its upper contact with pegmatite contains very minor disseminated Arsenopyrite AS, | | | | | |
| | | | | as seen earlier at 53.64 - 54.40 m. | | | | | |
| | | | | A few cm white felsic veins, 2 - 15 cm, parallel to or x-cutting foliation. | | | | | |
| | | | | | | | | | |
| **66.53** | **68.35** | 1.82 | **I1G** | **PEGMATITE (Small, but very good section)** | | | | | |
| | | | | White, coarse. Upper & lower contacts 40° - 60° to CA. | **361** | 66.53 | 67.44 | 0.91 | 2.08 |
| | | | | PG , common large QZ , minor dark grey FP , MV - PH common - some up to 2 cm, SO . | **362** | 67.44 | 68.35 | 0.91 | 1.24 |
| | | | | SO ~ 15 %, small & large crystals, commonly 2 - 5 cm, larger crystals 6 cm x 2 cm. | | | | | |
| | | | | SO crystals parallel, subparallel, or at low angle to CA. | | | | | |
| | | | | | | | | | |
| **68.35** | **83.60** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, homogeneous type. Foliation 40° to CA. | | | | | |
| | | | | Rocks in some parts look like very fine grained metabasalt. | | | | | |
| | | | | Several mm - cm white felsic veins. | | | | | |
| | | | | Between 76.62 - 77.30 m the felsic material infiltrates M1 causing a hybrid composition. | | | | | |
| | | | | | | | | | |
| **83.60** | **84.12** | 0.52 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, white. Upper & lower contacts 40° to CA. | **363** | 83.60 | 84.12 | 0.52 | 0.02 |
| | | | | PG , QZ , very minor dark grey FP , MV - PH , no visible SO . | | | | | |
| | | | | | | | | | |
| **84.12** | **88.51** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, homogeneous type. Foliation subparallel to 40° to CA. | | | | | |
| | | | | | | | | | |
| **88.51** | **89.40** | 0.89 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse. Upper contact low angle ~ 20° to CA, & lower contact 50° to CA. | | | | | |
| | | | | PG , common QZ , common large & small dark grey FP , MV - PH , no visible SO . | | | | | |
| | | | | Pegmatite contains a 20 cm long enclave of M1 . | **364** | 88.51 | 89.40 | 0.89 | 0.02 |
| | | | | | | | | | |
| **89.40** | **93.98** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, homogeneous type. | | | | | |
| | | | | At 89.77 - 89.93 m, a very fine grained greenish rock, possibly a Mafic Dyke. | | | | | |
| | | | | | | | | | |
| **93.98** | **94.88** | 0.90 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse even near contacts. Upper & lower contacts at high angle to CA. | **365** | 93.98 | 94.88 | 0.90 | 0.17 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | PG , QZ , MV - PH common, several greenish patches of finely crystalline mica, SO . | **366** | STANDARD LOW | | | 0.81 |
| | | | | SO ~ 3 - 5 % only minor, pale green, small crystals 1 - 2 cm. | | | | | |
| | | | | | | | | | |
| **94.88** | **99.08** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, homogeneous type. | | | | | |
| | | | | A large patch of white pegmatite at 97.35 - 97.62 m, no visible SO . | | | | | |
| | | | | Pegmatite veins at 97.82 - 97.94 m; & 98.16 - 98.30 m; minor SO ~ 5 %, pale green, crystals 1-2 cm. | | | | | |
| | | | | | | | | | |
| **99.08** | **99.40** | 0.32 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White, coarse. Both contacts 90° to CA. | **367** | 99.08 | 99.40 | 0.32 | 2.15 |
| | | | | PG , QZ , MV - PH , SO . | | | | | |
| | | | | SO ~ 15 %, very pale green, crystals up to 5 cm x 2 cm. Crystals subparallel to 30° to CA. | | | | | |
| | | | | | | | | | |
| **99.40** | **99.79** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, homogeneous type. | | | | | |
| | | | | | | | | | |
| **99.79** | **101.18** | 1.39 | **I1G** | **PEGMATITE (Very good section)** | | | | | |
| | | | | White, coarse. Upper & lower contacts at high angle to CA. | **368** | 99.79 | 101.18 | 1.39 | 2.05 |
| | | | | PG , QZ common, MV - PH up to 2 cm, SO . | | | | | |
| | | | | SO ~ 15 -20 %, very pale green to whitish, crystals 2 - 4 cm, larger crystals up to 5 cm x 3 cm. | | | | | |
| | | | | SO crystals oriented subparallel, to 20° - 30° to CA. | | | | | |
| | | | | | | | | | |
| **101.18** | **101.53** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, homogeneous type. | | | | | |
| | | | | | | | | | |
| **101.53** | **104.77** | 3.24 | **I1G** | **PEGMATITE (Excellent section, very pale green to whitish SO )** | | | | | |
| | | | | White, coarse even near contacts. Upper & lower contacts 65° to CA. | **369** | 101.53 | 102.53 | 1.00 | 1.21 |
| | | | | PG , very common & large QZ , very minor dark grey FP , MV - PH common, SO . | **370** | 102.53 | 103.77 | 1.24 | 1.66 |
| | | | | SO ~ 20 %, abundant, very pale green to whitish, crystals commonly 2 - 4 cm, | **371** | 103.77 | 104.77 | 1.00 | 1.16 |
| | | | | several larger crystals up to 5 - 8 cm x 2 cm. | | | | | |
| | | | | SO crystals oriented subparallel to CA, to 30° to CA. | | | | | |
| | | | | | | | | | |
| **104.77** | **110.29** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, homogeneous type. Foliation 50° to CA. Rare mm white felsic veins. | | | | | |
| | | | | | | | | | |
| **110.29** | **124.35** | 14.06 | **I1G** | **PEGMATITE (Excellent section, very pale green to whitish SO )** | | | | | |
| | | | | White, coarse. Upper & lower contacts 90° to CA. | **372** | 110.29 | 111.29 | 1.00 | 1.66 |
| | | | | PG , QZ common, minor dark grey FP , MV - PH common - some up to 4 cm, SO . | **373** | 111.29 | 112.79 | 1.50 | 1.96 |
| | | | | SO ~20 %, very pale green to whitish, crystals 3 - 7 cm common. | **374** | BLANK | | | <100 ppm |
| | | | | Larger crystals e.g.- 20 x 5 cm, 20 x 2.5 cm, 15 x 2.5 cm, 20 x 3 cm. | **375** | 112.79 | 114.29 | 1.50 | 2.54 |
| | | | | Both large & small crystals parallel - subparallel to CA, & up to 30° to CA. | **376** | 114.29 | 115.79 | 1.50 | 2.12 |
| | | | | Rare scattered AP crystals, 5 mm, dark greenish blue. | **377** | 115.79 | 117.29 | 1.50 | 1.67 |
| | | | | | **378** | 117.29 | 118.79 | 1.50 | 1.19 |
| | | | | | **379** | 118.79 | 120.29 | 1.50 | 1.24 |
| | | | | | **380** | 120.29 | 121.79 | 1.50 | 1.62 |
| | | | | A 5 cm enclave of M1 at 122.75 m. | **381** | 121.79 | 123.35 | 1.56 | 1.31 |
| | | | | | **382** | 123.35 | 124.35 | 1.00 | 2.05 |
| | | | | | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **124.35** | **127.57** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, homogeneous type. Foliation 50° - 60° to CA. | | | | | |
| | | | | | | | | | |
| **127.57** | **128.45** | 0.88 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White, coarse. PG , QZ , minor dark grey FP , MV - PH , SO . | **383** | 127.57 | 128.45 | 0.88 | 2.07 |
| | | | | SO ~ 15 %, very pale green to whitish, crystals 1 - 5 cm. | | | | | |
| | | | | SO crystals subparallel to CA, to 45° to CA. | | | | | |
| | | | | | | | | | |
| **128.45** | **130.55** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, homogeneous type. Foliation high angle to CA. | | | | | |
| | | | | | | | | | |
| **130.55** | **131.25** | 0.70 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse. Both contacts high angle to CA. | **384** | 130.55 | 131.25 | 0.70 | 1.07 |
| | | | | PG , QZ , minor dark grey FP , MV - PH , SO . | **385** | STANDARD HIGH | | | 1.34 |
| | | | | SO ~ 10 %, pale green, crystals up to 4 cm, subparallel to CA. | | | | | |
| | | | | | | | | | |
| **131.25** | **133.45** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, well foliated, homogeneous type. Foliation 50° to CA. | | | | | |
| | | | | | | | | | |
| **133.45** | **141.57** | 8.12 | **I1G** | **PEGMATITE (Excellent section, very pale green to whitish SO )** | | | | | |
| | | | | White, coarse. Upper contact high angle to CA, & lower contact 50° to CA. | **386** | 133.45 | 134.45 | 1.00 | 0.55 |
| | | | | PG , common large QZ , minor large dark grey FP near contact with M1 & in other places. | **387** | 134.45 | 135.95 | 1.50 | 1.63 |
| | | | | MV - PH common - some up to 1.5 - 3 cm, SO. | **388** | 135.95 | 137.45 | 1.50 | 1.66 |
| | | | | SO ~ 20 %, very pale green - whitish. Some large crystals - e.g. 10 x 2 cm, 13 x 1 cm, 7 x 2 cm. | **389** | 137.45 | 138.95 | 1.50 | 2.12 |
| | | | | Long SO crystals parallel, subparallel & up to 25° to CA. | **390** | 138.95 | 140.57 | 1.62 | 1.30 |
| | | | | Between 140.35 - 140.55 m, for about 20 cm the SO crystals 2 - 5 cm show dark green | **391** | 140.57 | 141.57 | 1.00 | 1.86 |
| | | | | (similar to Serpentine ST colour) alteration colour. In some such crystals partially preserved, fresh | | | | | |
| | | | | unaltered SO can still be observed. | | | | | |
| | | | | | | | | | |
| **141.57** | **142.45** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, homogeneous type. | | | | | |
| | | | | | | | | | |
| **142.45** | **146.45** | 4.00 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse. Both contacts 90° to CA. | **392** | 142.45 | 143.45 | 1.00 | 0.57 |
| | | | | PG , large common QZ , MV - PH up to 1.5 cm, SO . | **393** | 143.45 | 144.95 | 1.50 | 0.85 |
| | | | | SO ~ 10 - 12 %, very pale green, smaller crystals form clusters. | **394** | 144.95 | 146.45 | 1.50 | 0.69 |
| | | | | Larger crystals - e.g. 7 x 3 cm, 5 x 1.5 cm, 5 x 2 cm. SO crystals subparallel - 25° to CA. | | | | | |
| | | | | | | | | | |
| **146.45** | **150.20** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, homogeneous type. Rare mm - cm white felsic veins. | | | | | |
| | | | | | | | | | |
| | | | | **150.20 m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.25%/5.84m | 35.38 | 41.22 |
| 1.66%/1.82m | 66.53 | 68.35 |
| 1.37%/3.24m | 101.53 | 104.77 |

LITHIUM ONE INC.
Property : James Bay Lithium
DDH # : **JBL09-36** Start : August 7, 2009
Azimuth : 110° LOCATION UTM End : August 8, 2009
Dip: -75° 358425 mE
Elevation: 219m 5789353 mN

Drilled by : Chibougamau Diamond Drilling
Logged by : M K
**Verified by: AJMc** JAN20th,2010

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **4.30** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **4.30** | **49.42** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Metatexite - Migmatized paragneisses with common presence of white Mobilizate lit-par-lit which | | | | | |
| | | | | defines a good Migmatitic Banding, & the rock becomes Metatexite. The white mobilizate is present | | | | | |
| | | | | in mm - cm, continuous to discontinuous layers, & also in long lenticular shapes. | | | | | |
| | | | | The fine grained medium grey layers, alternating with the white mobilizate layer, contain | | | | | |
| | | | | QZ , PG , BO , MV . Near mobilizate & in mobilizate there is also presence of minor MV . | | | | | |
| | | | | The mobilizate is leucocratic. | | | | | |
| | | | | Migmatitic Layering is parallel to CA, & up to 20° - 30° to CA. | | | | | |
| | | | | Very minor mm white felsic veins x-cut foliation. | | | | | |
| | | | | A thicker white pegmatite vein at 35.10 - 35.30 m, both contacts 20° - 30° to CA. Here both pegmatite & | | | | | |
| | | | | M2 contain MV; there is more MV in pegmatite. | | | | | |
| | | | | Another pegmatite vein at 35.87 - 36.00 m, both contacts 15° to CA. | | | | | |
| | | | | | | | | | |
| **49.42** | **51.17** | 1.75 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse even near contacts. Upper contact 70° to CA, & lower contact 20° to CA. | **395** | 49.42 | 50.30 | 0.88 | 0.01 |
| | | | | PG , common QZ , large dark grey FP near upper contact, common MV - PH , SO . | **396** | 50.30 | 51.17 | 0.87 | 0.02 |
| | | | | SO ~ 15 %, including both fresh + altered parts. | **568822** | DUPLICATE | | | 0.06 |
| | | | | SO shows 2 kinds of alterations : (1) In one case SO is replaced to different degrees by a | | | | | |
| | | | | dark green mineral which has colour similar to Serpentine ST . | | | | | |
| | | | | (2) the other alteration shows the presence of white prismatic shapes of possibly earlier SO , | | | | | |
| | | | | within which there are relics of greenish SO or ST colour mineral. (sample for Thin section JBL09-36 | | | | | |
| | | | | 50.55 - 50.65 m). In extreme cases only whitish rectangular shapes remain, which contain a whitish | | | | | |
| | | | | accicular mineral & MV - PH . | | | | | |
| | | | | For ~ 50 cm, M2 above the upper contact of pegmatite develops more MV , in places with randomly | | | | | |
| | | | | oriented MV - PH flakes 0.5 - 1 cm. | | | | | |
| | | | | | | | | | |
| **51.17** | **51.70** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Very strongly deformed, strong foliation / thin tectonic banding / migmatitic banding, | | | | | |
| | | | | with mm - cm darker & leucocratic bands. Banding 45° to CA. | | | | | |
| | | | | | | | | | |
| **51.70** | **68.32** | 16.62 | **I1G** | **PEGMATITE (Excellent section - for large SO , & its serpentine-like dark green alteration)** | | | | | |
| | | | | White, coarse, finer grained near lower contact. Both contacts 30° to CA. | **397** | 51.70 | 52.70 | 1.00 | 0.14 |
| | | | | PG , common QZ , common MV - PH may be up to 2 - 3 cm, SO . | **398** | 52.70 | 54.20 | 1.50 | 0.25 |
| | | | | SO ~ 20 % (counting both fresh SO & ST -like dark green alterations, SO pale to very pale green. | **399** | 54.20 | 55.70 | 1.50 | 1.24 |
| | | | | About 1/3 SO with dark green alteration. In many cases both fresh & altered parts of the crystals | **400** | 55.70 | 57.20 | 1.50 | 0.88 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | can be observed. The fresh portions are usually preserved in the core, whereas marginal parts are | **401** | 57.20 | 58.70 | 1.50 | 0.84 |
| | | | | with dark green alteration. (sample for Thin section JBL09-36 52.55 - 52.80 m). | **402** | 58.70 | 60.20 | 1.50 | 1.05 |
| | | | | Common SO crystals 2 - 7 cm. Larger crystals - e.g. 10 x 2 cm, 15 x 4 cm. | **403** | 60.20 | 61.70 | 1.50 | 0.45 |
| | | | | SO crystals oriented 20° - 30° - 40° to CA. | **404** | 61.70 | 63.20 | 1.50 | 0.09 |
| | | | | | **405** | 63.20 | 64.70 | 1.50 | 1.36 |
| | | | | | **406** | 64.70 | 66.20 | 1.50 | 0.55 |
| | | | | | **407** | STANDARD LOW | | | 0.83 |
| | | | | Sample 408 contains M2 enclave at 67.20 - 67.45 m. | **408** | 66.20 | 67.45 | 1.25 | 0.61 |
| | | | | | **409** | 67.45 | 68.32 | 0.87 | 0.02 |
| | | | | | | | | | |
| **68.32** | **76.93** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, strong foliation and much thinner migmatitic banding. | | | | | |
| | | | | Mobilizate in mm layers continuous - discontinuous - & lenticular. Foliation 60° to CA. | | | | | |
| | | | | A few coarse white pegmatite veins which may contain SO crystals 2 - 5 cm, but these were | | | | | |
| | | | | not sampled due to their limited thickness. Pegmatite veins at : 73.60 - 73.85 m; 74.48 - 74.58 m; | | | | | |
| | | | | 75.90 - 76.17 m. | | | | | |
| | | | | M2 generally contain fine grained disseminated PY , AS grains ~ 2 %. | | | | | |
| | | | | | | | | | |
| **76.93** | **77.65** | 0.72 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White coarse. Upper & lower contacts 60° - 70° to CA. | **410** | 76.93 | 77.65 | 0.72 | 0.08 |
| | | | | PG , coarse common QZ , MV - PH , rare SO ~ 1 - 2 %. . | | | | | |
| | | | | A few good greenish blue AP crystals 1 - 3 cm. | | | | | |
| | | | | | | | | | |
| **77.65** | **82.00** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Metatexite, thinly banded with mm - cm white mobilizate in continuous, discontinuous, & lenticular | | | | | |
| | | | | layers. Minor ~ 2 % disseminated PY , AS in small grains. | | | | | |
| | | | | A small band between 81.50 - 81.73 m of FELSPAR PORPHYRY with mm white PG phenocrysts. | | | | | |
| | | | | Both contacts 45° to CA. Porphyry also contains minor fine disseminated PY , AS . | | | | | |
| | | | | A few thicker pegmatite veins at : 78.27 - 78.44 m , with a few SO 2 - 3 cm; & 80.15 - 80.40 m. | | | | | |
| | | | | | | | | | |
| **82.00** | **85.30** | 3.30 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White, coarse even near contacts. Both contacts at high angle to CA. | **411** | 82.00 | 83.00 | 1.00 | 0.54 |
| | | | | PG , coarse common QZ , some large dark grey FP near lower contact, common MV - PH up to 3.5 cm. | **412** | 83.00 | 84.30 | 1.30 | 2.26 |
| | | | | SO ~ 15 %, very pale green to whitish, several long & large crystals - e.g. 7 x 3 cm, 10 x 5 cm. | **413** | 84.30 | 85.30 | 1.00 | 1.39 |
| | | | | SO crystals oriented 30° - 35° to CA, good preferred orientation. | | | | | |
| | | | | Near lower part, some SO crystals show dark green ( ST -like) alteration. | | | | | |
| | | | | | | | | | |
| **85.30** | **92.05** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Metatexite, thinly layered with mobilizate in mm layers. Banding 40° - 50° to CA. | | | | | |
| | | | | Here the amount of mobilizate has decreased. | | | | | |
| | | | | In lower parts M2 shows development of green CL closely associated with the white felsic material | | | | | |
| | | | | irregularly diffusing into M2 . Both M2 & CL bearing parts may contain disseminated PY , AS ~ 2 % | | | | | |
| | | | | A small pegmatite vein at 86.82 - 86.97 m. | | | | | |
| | | | | A band of FELSPAR PORPHYRY between 85.55 - 86.10 m with white PG phenocrysts.Both contacts | | | | | |
| | | | | at high angle to CA. Porphyry contains fine disseminated ~ 1 - 2 % PY , AS . A 10 cm pegmatite at | | | | | |
| | | | | 85.90 - 86.00 m cuts porphyry. | | | | | |
| | | | | | | | | | |
| **92.05** | **93.10** | | **V3** | **MAFIC VOLCANICS** | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Greenish, fine matrix with mm BO phenocrysts. Foliation weak. | | | | | |
| | | | | | | | | | |
| **93.10** | **118.30** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, homogeneous type. Foliation 40° to CA. | | | | | |
| | | | | A few mm - cm white felsic veins. A few thicker pegmatite veins at 93.20 - 93.45 m; 97.10 - 97.45 m. | | | | | |
| | | | | Two 7 cm veins at 99.00 m & 100.65 m. | | | | | |
| | | | | Another pegmatite at 108.85 - 109.30 m, with contacts 30° to CA.This pegmatite contains very minor | | | | | |
| | | | | PY , CP grains. M1 on both sides of this pegmatite show effects of alteration that are greenish, | | | | | |
| | | | | possibly due to development of CL , EP . | | | | | |
| | | | | Other cm felsic - pegmatite veins between 115.30 - 115.70 show ptygmatic folds. | | | | | |
| | | | | | | | | | |
| **118.30** | **118.95** | 0.65 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, finer grained for 1 cm at both contacts. Both contacts 35° to CA. | **414** | 118.30 | 118.95 | 0.65 | 0.02 |
| | | | | PG , common QZ , minor large & small dark grey FP , MV - PH . Rare SO ~ 1 - 2 %. | **415** | BLANK | | | <100 ppm |
| | | | | | | | | | |
| **118.95** | **123.20** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, homogeneous type. | | | | | |
| | | | | | | | | | |
| **123.20** | **124.12** | 0.92 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, finer grained near contacts. Both contacts 40° to CA. | **416** | 123.20 | 124.12 | 0.92 | 0.03 |
| | | | | Some large dark grey FP , PG , QZ , common MV - PH in greenish flakes 1 - 2 cm. | | | | | |
| | | | | Very minor SO ~ 1 - 3 %, slightly altered. | | | | | |
| | | | | M1 band between 123.30 - 123.37 m. | | | | | |
| | | | | Pegmatite above this M1 band, i.e. between 123.20 - 123.30 m, contains several mm crystals of | | | | | |
| | | | | greenish-blue AP . | | | | | |
| | | | | | | | | | |
| **124.12** | **124.95** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, homogeneous type. Foliation 30° - 40° to CA. | | | | | |
| | | | | | | | | | |
| **124.95** | **125.48** | 0.53 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse. Both contacts at high angle to CA. | **417** | 124.95 | 125.48 | 0.53 | 0.80 |
| | | | | PG , common QZ , common MV - PH mm to 1.5 cm, SO ~ 3 %, partly altered. | | | | | |
| | | | | Near both contacts there is some development of MV in M1 also. | | | | | |
| | | | | | | | | | |
| **125.48** | **130.60** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, well foliated. Foliation 20° - 35° to CA. | | | | | |
| | | | | In this section there are common BO flakes < 5 mm. | | | | | |
| | | | | | | | | | |
| **130.60** | **131.63** | 1.03 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse. Both contacts 55° to CA. | | | | | |
| | | | | PG , QZ , minor dark grey FP , MV - PH , minor SO ~ 5 % pale green, SO crystals oriented 35° to CA. | | | | | |
| | | | | Sample 418 contains M1 enclave at 131.23 - 131.38 m. | **418** | 130.60 | 131.63 | 1.03 | 0.69 |
| | | | | | | | | | |
| **131.63** | **131.90** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same homogeneous type. | | | | | |
| | | | | | | | | | |
| **131.90** | **132.82** | 0.92 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, finer grained near contacts. Both contacts 40° to CA. | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | PG , QZ , minor large & small dark grey FP , MV - PH . | | | | | |
| | | | | Very minor SO ~ 2 - 3 %, small crystals, some possibly replaced by alteration products. | | | | | |
| | | | | Sample 419 contains a small 5 cm enclave of M1 in middle of pegmatite. | **419** | 131.90 | 132.82 | 0.92 | 0.10 |
| | | | | | | | | | |
| **132.82** | **139.70** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, well foliated, homogeneous type. Foliation 50° - 60° to CA. | | | | | |
| | | | | Only a few white mm - cm felsic veins. | | | | | |
| | | | | | | | | | |
| **139.70** | **155.90** | 16.20 | **I1G** | **PEGMATITE (Very good section)** | | | | | |
| | | | | White, coarse. Upper contact high angle to CA, & lower contact 30° to CA. | **420** | 139.70 | 140.70 | 1.00 | 0.50 |
| | | | | PG , common large QZ , minor large & small dark grey FP near lower contact. | **421** | 140.70 | 142.20 | 1.50 | 0.49 |
| | | | | MV - PH common in scattered flakes 1 - 3 cm, and in places clusters of flakes randomly oriented. | **422** | 142.20 | 143.70 | 1.50 | 1.25 |
| | | | | SO ~ 15 %, crystals vary in colour from pale green to very pale green to whitish. | **423** | 143.70 | 145.20 | 1.50 | 1.31 |
| | | | | Orientation of SO crystals variable from subparallel to CA, to 45° to CA. | **424** | 145.20 | 146.70 | 1.50 | 1.27 |
| | | | | SO crystals 1 - 4 cm common, larger crystals 7 cm x 1.5 cm. | **425** | 146.70 | 148.20 | 1.50 | 0.63 |
| | | | | Between 153.50 - 154.60 m, several SO crystals 1 - 2 cm show dark green serpentine ST -like | **426** | STANDARD HIGH | | | 1.35 |
| | | | | alteration colour. | **427** | 148.20 | 149.70 | 1.50 | 1.21 |
| | | | | | **428** | 149.70 | 151.20 | 1.50 | 0.63 |
| | | | | | **429** | 151.20 | 152.70 | 1.50 | 1.07 |
| | | | | | **430** | 152.70 | 153.80 | 1.10 | 0.13 |
| | | | | | **431** | 153.80 | 154.90 | 1.10 | 0.27 |
| | | | | | **432** | 154.90 | 155.90 | 1.00 | 0.09 |
| | | | | | | | | | |
| **155.90** | **168.24** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, well foliated, homogeneous type. | | | | | |
| | | | | Foliation 35° - 40° to CA, & in lower part subparallel or at low angle to CA. | | | | | |
| | | | | Very minor mm felsic veins. A thicker pegmatite vein at 158.53 - 158.75 m, with finer grained margins. | | | | | |
| | | | | Between 166.25 - 166.85 m, a 3 cm thick white felsic vein nearly subparallel to foliation, which | | | | | |
| | | | | in turn is subparallel to CA. | | | | | |
| | | | | | | | | | |
| **168.24** | **170.80** | 2.56 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, finer grained near contacts. Both contacts at high angle to CA. | | | | | |
| | | | | M1 near the upper pegmatite contact develops small mm MV for a distance of ~ 25 cm. | | | | | |
| | | | | PG , common QZ . MV - PH common, flakes & booklets up to 3 cm, randomly oriented. | | | | | |
| | | | | SO ~ 3 %, oriented 50° to CA, green SO crystals up to 4 cm. | | | | | |
| | | | | Rare mm greenish-blue AP crystals. | **433** | 168.24 | 169.52 | 1.28 | 0.18 |
| | | | | Sample 434 contains a 7 cm M1 enclave at 170.37 m. | **434** | 169.52 | 170.80 | 1.28 | 0.28 |
| | | | | | | | | | |
| **170.80** | **173.08** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium to dark grey, homogeneous type. Foliation subparallel to CA. | | | | | |
| | | | | Rare mm - cm felsic veins. | | | | | |
| | | | | | | | | | |
| **173.08** | **173.95** | 0.87 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, finer grained near contacts. Upper & lower contacts 45° - 50° to CA. | **435** | 173.08 | 173.95 | 0.87 | 0.11 |
| | | | | PG , common QZ , common MV - PH flakes & booklets up to 1.5 cm. Rare SO ~ 1 - 2 % small crystals. | | | | | |
| | | | | Several large dark grey FP near lower contact. | | | | | |
| | | | | | | | | | |
| **173.95** | **177.90** | | **M1** | **METASEDIMENT** | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Fine grained, medium to dark grey, homogeneous type. Foliation 35˚ to CA. | | | | | |
| | | | | Rare mm - cm white felsic veins. | | | | | |
| | | | | | | | | | |
| **177.90** | **180.95** | 3.05 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, finer grained near contacts for a few cm. Both contacts 60˚ to CA. | **436** | 177.90 | 178.90 | 1.00 | 1.38 |
| | | | | PG , common QZ , large dark grey FP in places, common MV - PH flakes up to 1 cm. | **437** | 178.90 | 179.95 | 1.05 | 0.55 |
| | | | | SO ~ 7 %, very pale green to whitish, crystals 1 - 3 cm, larger crystals 5 cm. | **568823** | DUPLICATE | | | 0.44 |
| | | | | SO crystals oriented subparallel to CA, to 20˚ - 30˚ to CA. | **438** | 179.95 | 180.95 | 1.00 | 0.02 |
| | | | | A 1.5 cm M1 enclave at 180.70 m. | | | | | |
| | | | | | | | | | |
| **180.95** | **210.10** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, homogeneous type. Foliation 45˚ - 55˚ to CA. | | | | | |
| | | | | Several mm - cm felsic veins. Some thicker pegmatite veins at : 185.94 - 186.02 m; | | | | | |
| | | | | 191.10 - 191.20 m; 191.52 - 191.62 m; all with contacts ~ 50˚ to CA. | | | | | |
| | | | | | | | | | |
| | | | | **210.10 m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.00%/6.00m | 54.20 | 60.20 |
| 1.88%/2.30m | 83.00 | 85.30 |
| 1.05%/10.50m | 142.20 | 152.70 |

LITHIUM ONE INC.
Property : James Bay Lithium

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DDH # : | **JBL09-41** | | Start : | 27-jul-09 | Drilled by : | | Chibougamau |
| Azimuth : | 110° | LOCATION UTM | End : | 28-jul-09 | | | Diamond Drilling |
| Dip: | -45° | 358519 mE | | | Logged by : | | A.Peshkepia |
| Elevation: | 230m | 5789321 mN | | | **Verified by:** | **AJMc** | on July 30th, 2009 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **3.25** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **3.25** | **23.48** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained, well foliated, migma- | | | | | |
| | | | | tized paragneiss, foliation from parallel to CA at | | | | | |
| | | | | the upper part to 40 -50 further down, QZ-PG- | | | | | |
| | | | | BO, pervasive fine grained white mica 3-5%; | | | | | |
| | | | | 10-15%BO. | | | | | |
| | | | | | | | | | |
| **23.48** | **27.37** | 3.89 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, FP-SP-PG-MV pegmatite, grey | **512** | 23.48 | 24.48 | 1.00 | 0.22 |
| | | | | FP patches; | **513** | 24.48 | 25.38 | 0.90 | 0.04 |
| | | | | 23.48-23.74; altered SP to fine grained, yellow- | **514** | STANDARD-LOW | | | 0.84 |
| | | | | ish mica.This section could be a separate peg- | **515** | 25.38 | 26.37 | 0.99 | 0.91 |
| | | | | matite dyke, both contacts at 80 to CA. | **516** | 26.37 | 27.37 | 1.00 | 0.83 |
| | | | | 23.74-23.94; 20 cm metasediment M2 | | | | | |
| | | | | 23.94-27.37; coarse SP at the center of dyke | | | | | |
| | | | | large stubby crystals up to 7cm in length. 5-10% | | | | | |
| | | | | SP, dark grey FP patches. Both contacts at 80 | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |
| **27.37** | **28.65** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Same as 3.25 to 23.48. Foliation at 70 to CA. | | | | | |
| | | | | This section could be a large xenolith within the | | | | | |
| | | | | pegmatite. | | | | | |
| | | | | | | | | | |
| **28.65** | **44.30** | 15.65 | **I1G** | **PEGMATITE** | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Coarse, white, fresh PG-SP-FP-PH+/-MV pegma- | **517** | 28.65 | 29.65 | 1.00 | 0.25 | |
| | | | | tite; three 5cm M2 metasediment xenoliths with- | **518** | 29.65 | 31.15 | 1.50 | 2.65 | |
| | | | | in the first meter near the upper contact; | **519** | 31.15 | 32.65 | 1.50 | 1.62 | |
| | | | | 15-20% SP, coarse up to 15cm long crystals, | **520** | 32.65 | 34.15 | 1.50 | 2.03 | |
| | | | | fresh, pale green, subparallel to CA; | **521** | 34.15 | 35.65 | 1.50 | 1.16 | |
| | | | | Small,cm size dark grey patches of FP near upper | **522** | 35.65 | 37.15 | 1.50 | 1.86 | |
| | | | | contact; patchy fine grained MV +PH from 33.0- | **523** | 37.15 | 38.65 | 1.50 | 1.45 | |
| | | | | 36.0m; | **524** | 38.65 | 40.15 | 1.50 | 1.61 | |
| | | | | Minor tourmaline, trace apatite; the dyke is coa- | **525** | 40.15 | 41.70 | 1.55 | 2.12 | |
| | | | | rser at the center with coarse PG,QZ,SP and PH | **526** | 41.70 | 43.30 | 1.60 | 1.42 | |
| | | | | and dark grey FP near the lower contact from | **568795** | DUPLICATE | | | 1.63 | |
| | | | | 42.0 to 44.0m. | **527** | 43.30 | 44.30 | 1.00 | 1.18 | 1.74%/14.65m |
| | | | | Upper contact with the metasediment xenolith? | | | | | | |
| | | | | at 40 to CA; Lower contact at 80 to CA. | | | | | | |
| | | | | | | | | | | |
| **44.30** | **53.67** | | **M2** | **METASEDIMENT** | | | | | | |
| | | | | Same as 3.25 to 23.48m. | | | | | | |
| | | | | This unit has been cut by three pegmatite dykes | | | | | | |
| | | | | <0.6m thick: | | | | | | |
| | | | | 46.86-47.46; 0.6m white, medium to coarse | **528** | 46.86 | 47.46 | 0.60 | 2.17 | |
| | | | | grained PG-FP-SP-QZ pegmatite; 5-10%SP as | | | | | | |
| | | | | <4cm long crystals; fine grained, sugary texture | | | | | | |
| | | | | of PG+/-MV for 5-10cm at both contacts; | | | | | | |
| | | | | Upper contact at 65 to CA; lower contact at | | | | | | |
| | | | | 50 to CA. | | | | | | |
| | | | | 48.34-48.54; 20cm medium grained, white, | | | | | | |
| | | | | PG-QZ-PH pegmatite dyke; upper contact at 50 | | | | | | |
| | | | | to CA; lower contact at 80 to CA. | | | | | | |
| | | | | 50.47-50.8; 0.33m white, fine grained, PG-QZ | | | | | | |
| | | | | pegmatite dyke with three <5cm metasediment | | | | | | |
| | | | | xenoliths M2; upper contact at 45 to CA; lower | | | | | | |
| | | | | contact at 70 to CA. | | | | | | |
| | | | | | | | | | | |
| **53.67** | **58.75** | 5.08 | **I1G** | **PEGMATITE** | | | | | | |
| | | | | Coarse, white, zoned pegmatite; fine grained, | **529** | 53.67 | 54.67 | 1.00 | 0.91 | |

LITHOLOGY

| From | To | Length | Rock | Description | Sample # | From | To | Length | $Li_2O$ | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | (m) | Code | | | | | (m) | (%) | |
| | | | | sugary tetured Pg+MV near upper contact for | **530** | 54.67 | 56.17 | 1.50 | 0.68 | |
| | | | | ~40cm and fine grained, grey FP+MV for ~25cm | **531** | 56.17 | 57.75 | 1.58 | 3.23 | 1.72%/4.08m |
| | | | | at lower contact. The center of the dyke is coa- | **532** | 57.75 | 58.75 | 1.00 | 0.14 | |
| | | | | rse grained dominated by PG-QZ-SP and PH; | | | | | | |
| | | | | 10-15%SP, up to 20 cm long crystals subparallel | | | | | | |
| | | | | to CA; | | | | | | |
| | | | | 54.7-55.10; metasediment xenolith, micaceous | | | | | | |
| | | | | at both contacts with the pegmatite. | | | | | | |
| | | | | Upper contact of pegmatite at 50 to CA; lower | | | | | | |
| | | | | contact at 65 to CA. | | | | | | |
| | | | | | | | | | | |
| **58.75** | **60.50** | | **M1** | **METASEDIMENT** | | | | | | |
| | | | | Fine grained, grey, massive PG-QZ-BO. | | | | | | |
| | | | | | | | | | | |
| **60.50** | **61.92** | | | **QFP** | | | | | | |
| | | | | Dark grey, massive, fine grained matrix with up | | | | | | |
| | | | | to 5mm QZ and FP phenocrysts; interstitial fine | | | | | | |
| | | | | grained BO; fine disseminated Aspy; | | | | | | |
| | | | | 60.5-60.9; massive quartz vein at 60.8m Aspy | | | | | | |
| | | | | bleb 2cm in size with fine grained 2-3mm TL. | | | | | | |
| | | | | Upper contact at 40 to CA; lower contact at 90 | | | | | | |
| | | | | to CA. | | | | | | |
| | | | | | | | | | | |
| **61.92** | **62.92** | | **M1** | **METASEDIMENT** | | | | | | |
| | | | | Same as 58.75 to 60.5m. | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| **62.92** | **74.94** | 12.02 | **I1G** | **PEGMATITE** | | | | | | |
| | | | | White, coarse, fresh PG-SP-FP-PH+/-MV pegma- | **533** | 62.92 | 63.92 | 1.00 | 2.14 | |
| | | | | tite; upper contact at 75 to CA; light grey FP | **534** | 63.92 | 65.42 | 1.50 | 0.73 | |
| | | | | for about 1m near upper contact; very coarse | **535** | 65.42 | 66.92 | 1.50 | 1.63 | |
| | | | | grained at the center of dyke with SP crystals | **536** | 66.92 | 68.42 | 1.50 | 1.34 | |
| | | | | up to 20 cm in length parallel to CA. 25% SP. | **537** | 68.42 | 69.92 | 1.50 | 2.54 | |
| | | | | Two 1cm tourmaline blebs at 72.9m; grey FP | **538** | STANDARD-LOW | | | 0.88 | |
| | | | | from 73.8 to 74.94m. Trace Apatite as <3mm | **539** | 69.92 | 71.42 | 1.50 | 1.65 | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | grains. Lower contact at 75 to CA. | **540** | 71.42 | 72.92 | 1.50 | 1.53 | |
| | | | | | **541** | 72.92 | 73.94 | 1.02 | 0.92 | |
| | | | | | **542** | 73.94 | 74.94 | 1.00 | 1.36 | 1.55%/12.02m |
| | | | | | | | | | | |
| **74.94** | **88.23** | | **M1** | **METASEDIMENT** | | | | | | |
| | | | | Fine grained, massive, medium grey to bluish- | | | | | | |
| | | | | grey QZ-FP+/-BO. Cut by few 5-10cm pegmatite | | | | | | |
| | | | | dykes from 75.5 to 85.5m. | | | | | | |
| | | | | | | | | | | |
| **88.23** | **89.77** | | **V3B** | **MAFIC METAVOLCANIC** | | | | | | |
| | | | | Green, fine grained, massive mafic metavolcanic | | | | | | |
| | | | | with <5% fine grained 1-2mm biotite. Upper con | | | | | | |
| | | | | tact at 60 to CA; lower contact at 90 to CA. | | | | | | |
| | | | | | | | | | | |
| **89.77** | **90.50** | | **M1** | **METASEDIMENT** | | | | | | |
| | | | | Fine grained, grey, massive metasediment, weak | | | | | | |
| | | | | foliation at 60 to CA; lower contact at 45 to CA. | | | | | | |
| | | | | | | | | | | |
| **90.50** | **92.68** | | **V3B** | **MAFIC METAVOLCANIC** | | | | | | |
| | | | | Same as 88.23 to 89.77m. | | | | | | |
| | | | | | | | | | | |
| **92.68** | **92.77** | | **M1** | **METASEDIMENT** | | | | | | |
| | | | | Same as 89.77 to 90.50m. | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| **92.77** | **93.20** | 0.43 | **I1G** | **PEGMATITE** | | | | | | |
| | | | | White, medium grained, PG-FP-QZ-MV pegmatite | **543** | 92.77 | 93.20 | 0.43 | 0.04 | |
| | | | | dyke; minor SP as 1-2cm crystals altered to MV. | | | | | | |
| | | | | Both contacts at 70 to CA. | | | | | | |
| | | | | | | | | | | |
| **93.20** | **95.57** | | **M1** | **METASEDIMENT** | | | | | | |
| | | | | Same as 74.94 to 88.23m. | | | | | | |
| | | | | | | | | | | |
| **95.57** | **96.95** | 1.38 | **I1G** | **PEGMATITE** | | | | | | |
| | | | | Coarse, greyish-white PG-QZ-SP-PH-FP+/-MV | **544** | 95.57 | 96.95 | 1.38 | 1.86 | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | pegmatite; 10-15% Sp as small 1-2cm very | | | | | | |
| | | | | pale green crystals, few large, up to 13cm long | | | | | | |
| | | | | crystals near the upper contact. One garnet | | | | | | |
| | | | | crystal ~1cm at 96.0m. Trace Apatite. Fine gra- | | | | | | |
| | | | | ined PG+MV for about 20cm at lower contact. | | | | | | |
| | | | | Upper contact at 75 to CA; lower contact at 65 | | | | | | |
| | | | | to CA. | | | | | | |
| | | | | | | | | | | |
| **96.95** | **99.48** | | **M1** | **METASEDIMENT** | | | | | | |
| | | | | Same as 74.94 to 88.23m. | | | | | | |
| | | | | | | | | | | |
| **99.48** | **100.33** | 0.85 | **I1G** | **PEGMATITE** | | | | | | |
| | | | | Greyish-white, medium grained PG-MV-PH-FP, | **545** | 99.48 | 100.33 | 0.85 | 0.22 | |
| | | | | very micaceous pegmatite; pervasive fine grai- | **546** | BLANK | | | <100 ppm | |
| | | | | ned yellowish-brown MV. No visible spodumene; | | | | | | |
| | | | | minor fine grained apatite, <1cm PH crystals. | | | | | | |
| | | | | Upper contact at 60 to CA; lower contact at 25 | | | | | | |
| | | | | to CA. | | | | | | |
| | | | | | | | | | | |
| **100.33** | **106.90** | | **M1** | **METASEDIMENT** | | | | | | |
| | | | | Fine grained, light to medium grey, QZ-FP-BO; | | | | | | |
| | | | | weak foliation at 60 to CA; ~5%BO. | | | | | | |
| | | | | | | | | | | |
| **106.90** | **113.05** | 6.15 | **I1G** | **PEGMATITE** | | | | | | |
| | | | | White, coarse PG-SP-FP-PH+/-MV, pegmatite; | **547** | 106.90 | 107.90 | 1.00 | 1.68 | |
| | | | | 10-15% SP, pale green, thin crystals up to 15 | **548** | 107.90 | 109.40 | 1.50 | 1.92 | |
| | | | | cm long, subparallel to CA. | **549** | 109.40 | 110.90 | 1.50 | 2.07 | |
| | | | | Light grey FP, coarse from 11.0 to 113.0m; | **550** | 110.90 | 112.05 | 1.15 | 0.65 | |
| | | | | Fine grained PG+MV for~ 10cm at both contacts | **551** | 112.05 | 113.05 | 1.00 | 1.82 | 1.66%/6.15m |
| | | | | Few <1cm apatite grains. | | | | | | |
| | | | | Both contacts at 80 to CA. | | | | | | |
| | | | | | | | | | | |
| **113.05** | **113.94** | | **M1** | **METASEDIMENT** | | | | | | |
| | | | | Same as 100.33 to 106.90m. | | | | | | |
| | | | | | | | | | | |

LITHOLOGY

| From | To | Length | Rock | Description | Sample # | From | To | Length | $Li_2O$ | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | (m) | Code | | | | | (m) | (%) | |
| **113.94** | **114.97** | 1.03 | **I1G** | **PEGMATITE** | | | | | | |
| | | | | White to light grey, altered PG-FP-MV-SP peg- | **552** | 113.94 | 114.97 | 1.03 | 0.91 | |
| | | | | matite with ~5% SP as small 1-2cm crystals | | | | | | |
| | | | | altered to white finew grained muscovite; | | | | | | |
| | | | | 114.14-114.34; 20cm metasediment xenolith M1 | | | | | | |
| | | | | 10cm sugary textured PG at upper contact. | | | | | | |
| | | | | Upper contact at 65 to CA; Lower contact at 80 | | | | | | |
| | | | | to CA. | | | | | | |
| | | | | | | | | | | |
| **114.97** | **119.96** | | **M1** | **METASEDIMENT** | | | | | | |
| | | | | Same as 100.33 to 106.90m. | | | | | | |
| | | | | | | | | | | |
| **119.96** | **122.26** | 2.30 | **I1G** | **PEGMATITE** | | | | | | |
| | | | | Coarse grained, white with dark grey patches, | **553** | 119.96 | 121.11 | 1.15 | 2.09 | |
| | | | | PG-SP-QZ-FP+/-PH+/-MV pegmatite; 10-15% | **554** | 121.11 | 122.26 | 1.15 | 2.11 | 2.10%/2.30m |
| | | | | SP as thin crystals up to 10cm long subparallel | **555** | STANDARD-HIGH | | | 1.44 | |
| | | | | to CA. 5-10cm sugary textured PG+MV at both | | | | | | |
| | | | | contacts. Dark grey FP at 120.4-120.6m. | | | | | | |
| | | | | Upper contact at 90 to CA; lower contact at 80 | | | | | | |
| | | | | to CA. | | | | | | |
| | | | | | | | | | | |
| **122.26** | **122.95** | | **M1** | **METASEDIMENT** | | | | | | |
| | | | | Same as 100.33 to 106.90m. | | | | | | |
| | | | | | | | | | | |
| **122.95** | **124.15** | 1.20 | **I1G** | **PEGMATITE** | | | | | | |
| | | | | Milky white, medium to coarse grained PG-QZ-SP | **556** | 122.95 | 124.15 | 1.20 | 1.20 | |
| | | | | FP-MV pegmatite with 5-10% SP as 2-3cm white | | | | | | |
| | | | | crystals. Milky white fine grained PG+MV at both | | | | | | |
| | | | | contacts. Two 10and 20cm metasediment xeno- | | | | | | |
| | | | | liths M1. | | | | | | |
| | | | | Upper contact at 70 to CA; lower contact at 80 | | | | | | |
| | | | | to CA. | | | | | | |
| | | | | | | | | | | |
| **124.15** | **134.27** | | **M1** | **METASEDIMENT** | | | | | | |
| | | | | Same as 100.33 to 106.90m. | | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | One short pegmatite dyke at 133.07 to 133.51 | **557** | 133.07 | 133.51 | 0.44 | 0.04 | |
| | | | | 0.44m PG-FP-MV-SP-QZ, white with black | | | | | | |
| | | | | FP patches; ~5% SP altered to yellowish fine | | | | | | |
| | | | | grained mica(?) Upper contact at 50 to CA; | | | | | | |
| | | | | lower contact at 80 to CA. | | | | | | |
| | | | | | | | | | | |
| **134.27** | **145.62** | 11.35 | **I1G** | **PEGMATITE** | | | | | | |
| | | | | Coarse to medium coarse, white, light grey, ye- | **558** | 134.27 | 135.27 | 1.00 | 0.74 | |
| | | | | llowish PG-QZ-MV-SP-FP pegmatite; | **559** | 135.27 | 136.77 | 1.50 | 1.67 | |
| | | | | 15-20% SP as short <4cm crystals from the | **560** | 136.77 | 138.27 | 1.50 | 1.38 | |
| | | | | upper contact to 136.0m; larger SP crystals up | **561** | 138.27 | 139.77 | 1.50 | 1.72 | |
| | | | | to 8cm in length from 136.0 to 140.0. | **562** | 139.77 | 141.27 | 1.50 | 2.35 | |
| | | | | Pervasive fine grained yellowish muscovite. | **563** | 141.27 | 142.57 | 1.30 | 2.03 | |
| | | | | Upper contact at 75 to CA; 38cm metasediment | **564** | 142.57 | 143.62 | 1.05 | 1.59 | |
| | | | | xenolith near the upper contact from 134.4 to | **568796** | DUPLICATE | | | 1.36 | |
| | | | | 134.78m. | **565** | 143.62 | 144.62 | 1.00 | 1.32 | |
| | | | | 140.0-145.0; coarse fresh SP crystals up to 15 | **566** | 144.62 | 145.62 | 1.00 | 0.84 | 1.64%/10.35m |
| | | | | cm long parallel to CA. Minor Apatite as 2-3mm | | | | | | |
| | | | | grains. | | | | | | |
| | | | | Lower conctact of pegmatite at 80 to CA. | | | | | | |
| | | | | | | | | | | |
| **145.62** | **162.55** | | **M1** | **METASEDIMENT** | | | | | | |
| | | | | Fine grained, grey, massive FP-QZ-BO metasedi- | | | | | | |
| | | | | ment cut by three short pegmatite dykes <25cm | | | | | | |
| | | | | thick: | | | | | | |
| | | | | 152.85-153.10; PG-FP-PH-QZ coarse pegmatite | | | | | | |
| | | | | dyke oriented at 10 to CA. No visible SP. | | | | | | |
| | | | | 158.54-158.72; 18cm greyish-white PG-FP+/-MV | | | | | | |
| | | | | pegmatite dyke at 85 to CA. | | | | | | |
| | | | | 160.86-161.04; 18cm PG-FP+/-Qz fine grained | | | | | | |
| | | | | pegmatite dykes at 70 to CA. | | | | | | |
| | | | | | | | | | | |
| **162.55** | **168.6** | 6.05 | **I1G** | **PEGMATITE** | | | | | | |
| | | | | White, coarse to very coarse PG-SP-QZ-FP-PH | **567** | 162.55 | 163.55 | 1.00 | 0.61 | |
| | | | | pegmatite with 15% SP as up to 30cm long crys- | **568** | 163.55 | 165.05 | 1.50 | 1.73 | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | tals parallel to CA at 165.0m; light grey FP; | **569** | 165.05 | 166.55 | 1.50 | 1.77 | |
| | | | | massive smoky quartz at the center of dyke ~15 | **570** | 166.55 | 167.60 | 1.05 | 0.94 | 1.54%/4.05m |
| | | | | cm thick with coarse PH. | **571** | 167.60 | 168.60 | 1.00 | 0.76 | |
| | | | | Upper contact at 45 to AC; lower contact at 70 | | | | | | |
| | | | | to CA. | | | | | | |
| | | | | | | | | | | |
| **168.60** | **172.83** | | **M1** | **METASEDIMENT** | | | | | | |
| | | | | Same as 145.62 to 162.55m. | **572** | 169.90 | 170.40 | 0.50 | 2.22 | |
| | | | | Cut by few thin pegmatite dykes, the thick- | | | | | | |
| | | | | est is 50cm in size: | | | | | | |
| | | | | 169.9-170.4; 0.5m white, coarse PG-SP-FP-QZ | | | | | | |
| | | | | pegmatite. 10cm fine grained PG with black FP | | | | | | |
| | | | | patches near both contacts. | | | | | | |
| | | | | 25% SP as <6cm thin crystals parallel to CA. | | | | | | |
| | | | | Upper contact at 60 to CA; lower contact at | | | | | | |
| | | | | 70 to CA. | | | | | | |
| | | | | | | | | | | |
| **172.83** | **178.17** | 5.34 | **I1G** | **PEGMATITE** | | | | | | |
| | | | | White to light grey, coarse grained PG-SP-FP-PH | **573** | 172.83 | 173.83 | 1.00 | 1.78 | |
| | | | | MV pegmatite dyke. Coarse SP at the center as | **574** | 173.83 | 175.33 | 1.50 | 1.07 | |
| | | | | large up to 15cm long crystals subparallel to CA | **575** | 175.33 | 176.17 | 0.84 | 2.07 | |
| | | | | from 175.6 to 176.0m; ~15% SP overall, smaller | **576** | 176.17 | 177.17 | 1.00 | 1.26 | 1.47%/4.34m |
| | | | | crystals <4cm from upper contact to 174.5m; | **577** | 177.17 | 178.17 | 1.00 | 0.31 | |
| | | | | 174.5-175.6 coarse QZ-FP-SP at the center of | | | | | | |
| | | | | dyke; smaller SP crystals are partially altered | | | | | | |
| | | | | from 176.0 to 178.17; fine grained, yellowish | | | | | | |
| | | | | mica alteration near the lower contact. | | | | | | |
| | | | | Upper contact at 75 to CA; lower contact at 45 | | | | | | |
| | | | | to CA. | | | | | | |
| | | | | | | | | | | |
| **178.17** | **180.00** | | **M1** | **METASEDIMENT** | | | | | | |
| | | | | Same as 145.62 to 162.55m. | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | **180.00m E.O.H.** | | | | | | |

LITHOLOGY

| From | To | Length | Rock | Description | Sample # | From | To | Length | $Li_2O$ |
|---|---|---|---|---|---|---|---|---|---|
| | | (m) | Code | | | | | (m) | (%) |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.74%/14.65m | 29.65 | 44.30 |
| 1.72%/4.08m | 53.67 | 57.75 |
| 1.55%/12.02m | 62.92 | 74.94 |
| 1.66%/6.15m | 106.90 | 113.05 |
| 2.10%/2.30m | 119.96 | 122.26 |
| 1.64%/10.35m | 135.27 | 145.62 |
| 1.54%/4.05m | 163.55 | 167.60 |
| 1.47%/4.34m | 172.83 | 177.17 |

LITHIUM ONE INC.
Property : James Bay Lithium
DDH # : **JBL09-37** Start : August 9, 2009
Azimuth : 110° LOCATION UTM End : August 11, 2009
Dip: -80° 358377 mE
Elevation: 225m 5789377 mN

Drilled by : Chibougamau Diamond Drilling
Logged by : M K
**Verified by AJMc** Jan 20th, 2010

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **2.78** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **2.78** | **43.95** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Very strongly deformed Metatexite with a strong foliation, & thin Migmatitic banding. | | | | | |
| | | | | Migmatitic banding caused by the presence of white Mobilizate layers, now mm - cm in thickness. | | | | | |
| | | | | White mobilizate is present in continuous to discontinuous layers, & in long lenticular layers. | | | | | |
| | | | | Rocks are composed of QZ , PG , BO , CL , MV . | | | | | |
| | | | | In most of the section, the migmatitic layering is either subparallel to CA, or at a small angle | | | | | |
| | | | | 10° - 20° - 30° to CA. | | | | | |
| | | | | A few mm - cm white felsic veins x-cut migmatitic layering. In the vicinity of such felsic veins there | | | | | |
| | | | | may be development of some MV . | | | | | |
| | | | | A thicker white felsic vein, ~ 3 cm, at 39.30 m, x-cuts migmatitic layering, is very fine grained near | | | | | |
| | | | | contacts, & coarser in central part. | | | | | |
| | | | | these metatexites M2 are in contact with pegmatite at 43.95 m. The M2 above this pegmatite has | | | | | |
| | | | | become whitish-grey, for ~ 1 m close to pegmatite, due to the influence of the fluids associated | | | | | |
| | | | | with the pegmatite. In this whitish-grey M2 there is development of MV . Some larger MV flakes, | | | | | |
| | | | | ~ 5 mm, may also occur with random orientation in clusters. | | | | | |
| | | | | Possibly there is minor associated SM . | | | | | |
| | | | | | | | | | |
| **43.95** | **60.20** | 16.25 | **I1G** | **PEGMATITE (Good section)** | **439** | 43.95 | 44.95 | 1.00 | 0.06 |
| | | | | White, coarse grained, finer grained near contacts. Upper & lower contacts 40° to CA. | **440** | 44.95 | 46.45 | 1.50 | 0.05 |
| | | | | Near the contacts the material of the pegmatite is fine grained with a white sugary texture for | **441** | 46.45 | 47.95 | 1.50 | 1.51 |
| | | | | more than 1 m. There is also a similar finer grained sugary textured material in the middle part of | **442** | 47.95 | 49.45 | 1.50 | 0.98 |
| | | | | pegmatiite at 55.14 - 55.50 m. The finer grained parts are commonly with mm - cm MV - PH flakes. | **443** | 49.45 | 50.95 | 1.50 | 1.03 |
| | | | | In coarser parts - PG , large common QZ , common MV - PH up to 3.5 cm, several large & small | **444** | 50.95 | 52.45 | 1.50 | 0.39 |
| | | | | dark grey FP , SO . | **445** | 52.45 | 53.95 | 1.50 | 1.47 |
| | | | | SO ~ 10 - 12 %, large & small crystals pale green to whitish. Larger crystals -e.g. 7 x 2 cm, 4 x 2 cm. | **446** | 53.95 | 55.50 | 1.55 | 0.65 |
| | | | | SO crystals also occur in clusters in some parts. | **447** | 55.50 | 57.00 | 1.50 | 2.54 |
| | | | | SO crystals oriented 30° - 50° to CA. Common yellowish- green patches. | **448** | STANDARD LOW | | | 0.81 |
| | | | | At 51.00 m, a 2 cm white crystal of Beryl BL , with a very slight pale greenish tinge. The crystal | **449** | 57.00 | 58.00 | 1.00 | 0.91 |
| | | | | has some of its hexagonal shape, & characteristic high hardness. | **450** | 58.00 | 59.00 | 1.00 | 0.09 |
| | | | | At 56.10 - 56.20 m large SO crystals in major part replaced by dark green alteration | **451** | 59.00 | 60.20 | 1.20 | 0.05 |
| | | | | (similar to colour of Serpentine ST ). | | | | | |
| | | | | | | | | | |
| **60.20** | **73.10** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium to dark grey, good Metatexite with lit-par-lit white mobilizate, | | | | | |
| | | | | good Migmatitic Banding mm - cm. QZ , PG , BO , MV , SM . | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Migmatitic banding subparallel to CA, to low angle 20˚ - 25˚ to CA. | | | | | |
| | | | | Rare mm white felsic veins x-cut banding. | | | | | |
| | | | | At 66.35 m in an open space caused by fracture, a coating of white crystalline QZ . | | | | | |
| | | | | | | | | | |
| **73.10** | **76.55** | 3.45 | **I1G** | **PEGMATITE (MV rich, finer grained)** | | | | | |
| | | | | White, coarse. Near both contacts the material is fine grained sugary texture for several cm, & | **452** | 73.10 | 74.10 | 1.00 | 0.05 |
| | | | | away from contacts most of the vein is coarse. Upper contact 10˚ to CA, lower contact 30˚ to CA. | **453** | 74.10 | 75.55 | 1.45 | 0.04 |
| | | | | PG , common QZ , MV - PH generally ~ 5 mm, SO . Rock is characterized by common MV - PH . | **454** | 75.55 | 76.55 | 1.00 | 0.05 |
| | | | | SO is altered to varying degrees & replaced by SR , MV etc, but it preserves the original shapes | | | | | |
| | | | | of earlier crystals, together with minor unaltered SO . | | | | | |
| | | | | Therefore, SO may have been ~ 7 %. Crystals mm to 2 cm. | | | | | |
| | | | | | | | | | |
| **76.55** | **79.00** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Same Metatexite, good migmatitic banding 35˚ - 40˚ to CA. QZ , PG , BO , MV , SM . | | | | | |
| | | | | | | | | | |
| **79.00** | **80.00** | 1.00 | **I1G** | **PEGMATITE (MV rich, finer grained)** | | | | | |
| | | | | White, finer grained sugary textured near contacts for a few cm. Slightly coarse in central parts. | | | | | |
| | | | | Rare whitish SO ~ 2 % in small crystals. | | | | | |
| | | | | Sample 455 contains 4 enclaves of M2 , 5 - 10 cm. | **455** | 79.00 | 80.00 | 1.00 | 0.25 |
| | | | | | **456** | BLANK | | | <100 ppm |
| **80.00** | **81.03** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Same metatexite, migmatitic banding. QZ , PG , BO , MV , SM . | | | | | |
| | | | | A small section ~ 10 cm finer grained sugary textured part of pegmatite. | | | | | |
| | | | | | | | | | |
| **81.03** | **86.80** | 5.77 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White coarse, finer grained near 2 contacts for a few cm. Upper contact 50˚, lower contact 20˚ to CA. | **457** | 81.03 | 82.03 | 1.00 | 1.24 |
| | | | | PG , common QZ , very common presence of large & small dark grey FP , MV - PH common up to 2 cm. | **458** | 82.03 | 83.28 | 1.25 | 0.98 |
| | | | | SO ~ 7 %, very pale green to whitish, crystals generally small 1-2 cm, larger crystals up to 4 cm. | **459** | 83.28 | 84.53 | 1.25 | 1.38 |
| | | | | SO crystals show variable orientation, subparallel, to 50˚ to CA. | **460** | 84.53 | 85.80 | 1.27 | 1.15 |
| | | | | Sample 457 contains a small 3 cm M2 enclave. | **461** | 85.80 | 86.80 | 1.00 | 0.96 |
| | | | | | | | | | |
| **86.80** | **92.13** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Metatexite, good migmatitic banding subparallel to CA. Minor folding. | | | | | |
| | | | | QZ , PG , BO , MV , GR , SM , most parts contain small red GR < 5 mm, 2 - 3 %. | | | | | |
| | | | | In 2 places finer grained sugary textured variety of pegmatite veins at : 90.12 - 90.30 m; | | | | | |
| | | | | 91.21 - 91.45 m. | | | | | |
| | | | | | | | | | |
| **92.13** | **93.10** | 0.97 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse. Both contacts 40˚ to CA. PG , QZ , common dark grey FP , MV - PH , SO . | **462** | 92.13 | 93.10 | 0.97 | 0.66 |
| | | | | SO ~ 2 - 3 %, only a few scattered crystals 2 - 4 cm, very pale green, oriented high angle to CA | | | | | |
| | | | | | | | | | |
| **93.10** | **99.65** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Same metatexite, good migmatitic banding subparallel, to low angle 15˚ to CA. | | | | | |
| | | | | QZ , PG , BO , MV , rare GR 1-2 % - < 5 mm, SM . | | | | | |
| | | | | 3 white sugary textured variety of pegmatite veins at 94.30 - 94.40 m; 94.55 -94.68 m; & | | | | | |
| | | | | 96.53 - 96.64 m; introduced subparallel to banding. | | | | | |
| | | | | Other smaller 2 - 4 cm felsic veins x-cut banding. | | | | | |
| | | | | | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **99.65** | **100.25** | 0.60 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse. Both contacts 40° to CA. PG , QZ common, several dark grey FP ,minor MV - PH , SO . | **463** | 99.65 | 100.25 | 0.60 | 0.87 |
| | | | | SO ~ 3 %, crystals 1.5 cm, several crystals partly altered to pale greenish colour, possibly replaced | | | | | |
| | | | | by MV - PH , but they still preserve identifiable SO relics & crystal shapes. | | | | | |
| | | | | | | | | | |
| **100.25** | **104.08** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Same metatexite, migmatitic banding subparallel, to low angle 35° to CA. | | | | | |
| | | | | Here rocks have become whitish grey, possibly due to the influence of the surrounding pegmatitic | | | | | |
| | | | | injections. A white sugary textured felsic vein at 101.75 - 101.90 m. | | | | | |
| | | | | | | | | | |
| **104.08** | **121.18** | 17.10 | **I1G** | **PEGMATITE (Very good section)** | | | | | |
| | | | | White, coarse. Upper & lower contacts 60° to CA. | **464** | 104.08 | 105.08 | 1.00 | 0.61 |
| | | | | PG , common QZ . Very common MV - PH in large flakes 1 - 3 cm, some occurring in clusters. | **465** | 105.08 | 106.58 | 1.50 | 1.61 |
| | | | | SO ~ 15 - 20 %, common crystals 2 - 3 cm. Larger crystals e.g. 8 x 3 cm, 7 x 3.5 cm, 5 x 4 cm. | **466** | 106.58 | 108.08 | 1.50 | 1.53 |
| | | | | SO crystals pale green - whitish, crystals show good preferred orientation 25° - 30° to CA | **467** | STANDARD HIGH | | | 1.30 |
| | | | | | **468** | 108.08 | 109.58 | 1.50 | 1.11 |
| | | | | | **469** | 109.58 | 111.08 | 1.50 | 1.18 |
| | | | | | **470** | 111.08 | 112.58 | 1.50 | 1.51 |
| | | | | | **471** | 112.58 | 114.08 | 1.50 | 2.26 |
| | | | | Sample 472 contains a 12 cm M1 enclave at 114.36 - 114.48 m. | **472** | 114.08 | 115.58 | 1.50 | 1.48 |
| | | | | | **473** | 115.58 | 117.08 | 1.50 | 1.18 |
| | | | | | **474** | 117.08 | 118.63 | 1.55 | 1.77 |
| | | | | | **475** | 118.63 | 120.18 | 1.55 | 1.28 |
| | | | | | **476** | 120.18 | 121.18 | 1.00 | 1.56 |
| | | | | | | | | | |
| **121.18** | **125.87** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, homogeneous type. Foliation 30° - 40° to CA. Rare mm white felsic veins. | | | | | |
| | | | | | | | | | |
| **125.87** | **131.22** | 5.35 | **I1G** | **PEGMATITE (Very good section)** | | | | | |
| | | | | White, coarse, slightly finer grained near upper contact which is 70° to CA. Lower contact is irregular. | **477** | 125.87 | 126.87 | 1.00 | 1.43 |
| | | | | PG , common large QZ , very minor dark grey FP , MV - PH , SO . | **478** | 126.87 | 127.98 | 1.11 | 1.75 |
| | | | | SO ~ 15 - 20 %, very pale green to whitish. Small crystals 1 - 3 cm, larger crystals 5 cm. | **568824** | DUPLICATE | | | 1.36 |
| | | | | SO crystals very well oriented 35° - 40° to CA. Common MV - PH in small flakes to 1.5 cm. | **479** | 127.98 | 129.10 | 1.12 | 1.56 |
| | | | | | **480** | 129.10 | 130.22 | 1.12 | 2.52 |
| | | | | | **481** | 130.22 | 131.22 | 1.00 | 2.45 |
| | | | | | | | | | |
| **131.22** | **133.15** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, very homogeneous type. Foliation 50° to CA. | | | | | |
| | | | | A small pegmatite vein at 132.35 - 132.45 m. | | | | | |
| | | | | | | | | | |
| **133.15** | **134.07** | 0.92 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White, coarse. Both contacts 45° to CA. PG , common QZ . MV - PH common, mm - 2 cm. | **482** | 133.15 | 134.07 | 0.92 | 1.59 |
| | | | | Short pegmatite, but contains several large SO crystals. | | | | | |
| | | | | SO ~ 10 - 12 %, crystals up to 4.5 cm x 1.5 cm, crystals oriented 40° to CA. | | | | | |
| | | | | | | | | | |
| **134.07** | **136.30** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, very homogeneous as 131.22 - 133.15 m. Foliation 30° to CA. | | | | | |
| | | | | Rare mm - cm white felsic veins. | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **136.30** | **138.96** | 2.66 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White, coarse. Both contacts 60° to CA. PG , QZ common large smoky, MV - PH , SO . | **483** | 136.30 | 137.63 | 1.33 | 0.67 |
| | | | | SO ~ 10 - 12 %, pale green, large & small crystals, larger crystals up to 6 cm x 2 cm. | **484** | 137.63 | 138.96 | 1.33 | 1.37 |
| | | | | Some SO partly altered to finely crystalline greenish mica, while preserving original SO shapes. | | | | | |
| | | | | Very common MV - PH in flakes and booklets up to 2 cm. | | | | | |
| | | | | SO crystals oriented 40° - 50° to CA in one cluster; a long crystal is subparallel to CA; others random. | | | | | |
| | | | | Sample 483 contains 10 cm & 1 cm enclaves of M1 in central part. | | | | | |
| | | | | | | | | | |
| **138.96** | **149.40** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, very homogeneous. Foliation 45° to CA. | | | | | |
| | | | | A few mm - cm white felsic veins. Some thicker pegmatite veins at 139.82 - 140.10 m; | | | | | |
| | | | | 145.90 - 146.00 m; 146.15 -146.60 m with some M1 enclaves; 148.88 - 149.00 m. | | | | | |
| | | | | | | | | | |
| **149.40** | **150.43** | 1.03 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, finer grained near contacts. Both contacts 30° to CA. | **485** | 149.40 | 150.43 | 1.03 | 0.12 |
| | | | | PG , QZ , very minor dark grey FP . No visible SO . Minor MV - PH . | | | | | |
| | | | | | | | | | |
| **150.43** | **154.92** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, homogeneous. Foliation subparallel, or low angle to CA. | | | | | |
| | | | | A few mm - cm white felsic veins. | | | | | |
| | | | | | | | | | |
| **154.92** | **155.32** | 0.40 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse. Both contacts high angle to CA. | **486** | 154.92 | 155.32 | 0.40 | 1.13 |
| | | | | A short pegmatite, but contains SO ~ 5 %, crystals up to 2 cm. | | | | | |
| | | | | Some SO partly altered & replaced by greenish mica. | | | | | |
| | | | | Common MV - PH ~ 5 mm in lower part of pegmatite. | | | | | |
| | | | | | | | | | |
| **155.32** | **156.82** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, very homogeneous. Foliation 30° to CA. | | | | | |
| | | | | White cm felsic vein at 155.48 - 155.70 m. | | | | | |
| | | | | | | | | | |
| **156.82** | **159.25** | 2.43 | **I1G** | **PEGMATITE (Good section)** | **487** | 156.82 | 158.04 | 1.22 | 1.34 |
| | | | | White, coarse. Upper contact irregular, & lower contact 40° to CA. | **488** | 158.04 | 159.25 | 1.21 | 1.02 |
| | | | | Characterized by large white PG up to 10 cm, large common smoky QZ . MV - PH common, 1.5 cm. | **489** | STANDARD LOW | | | 0.89 |
| | | | | SO ~ 7 - 10 %, pale green, crystals up to 3 cm. MV - PH common, up to 1.5 cm, several in clusters. | | | | | |
| | | | | Rare dark greenish blue AP . | | | | | |
| | | | | | | | | | |
| **159.25** | **165.00** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, very homogeneous. Foliation 50° to CA. | | | | | |
| | | | | A few mm - cm white felsic veins. A thicker pegmatite vein at 160.82 - 161.12 m. | | | | | |
| | | | | | | | | | |
| | | | | **165.00 m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.20%/11.55m | 46.45 | 58.00 |
| 1.15%/5.77m | 81.03 | 86.80 |
| 1.49%/16.10m | 105.08 | 121.18 |
| 1.90%/5.35m | 125.87 | 131.22 |
| 1.18%/2.43m | 156.82 | 159.25 |

LITHIUM ONE INC
Property : James Bay Lithium
DDH # : **JBL09-38** Start : August 10, 2009
Azimuth : 110° LOCATION UTM End : August 11, 2009
Dip: -80° 358397 mE
Elevation: 226m 5789417 mN

Drilled by : Chibougamau Diamond Drilling
Logged by : M K
**Verified by: AJMc** on August 14th, 2009

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **1.55** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **1.55** | **6.57** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Metatexite, good migmatitic banding; parallel, subparallel, or very low angle to CA. | | | | | |
| | | | | Migmatitic banding caused by the presence now of white sugary textured mobilizate in mm - cm | | | | | |
| | | | | layers lit-par-lit. Mobilizate layers may be continuous, discontinuous, or in long lenticular shapes. | | | | | |
| | | | | PG , QZ , BO , MV , SM . White sugary textured felsic veins at 3.58 - 3.70 m; & 4.61 - 4.75 m. | | | | | |
| | | | | | | | | | |
| **6.57** | **8.30** | 1.73 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, finer grained sugary textured near both contacts for ~ 20 cm, & the central parts are also | **490** | 6.85 | 8.30 | 1.45 | 0.08 |
| | | | | less coarse. Both contacts ~ 20° - 25° to CA. PG , QZ , some dark grey FP , MV - PH , no visible SO . | **491** | BLANK | | | <100 ppm |
| | | | | Common presence of MV in mm flakes. | | | | | |
| | | | | Pegmatite starts at 6.57 m, but there are small sections of M2 up to 6.85 m. Therefore, Sample-490 | | | | | |
| | | | | was started at 6.85 m. The sample still contains M2 enclave at 7.03 - 7.12 m. | | | | | |
| | | | | | | | | | |
| **8.30** | **14.52** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Metatexite, migmatitic banding, subparallel to very low angle to CA. QZ , PG , BO , MV , SM . | | | | | |
| | | | | Very minor infiltration of felsic material. | | | | | |
| | | | | | | | | | |
| **14.52** | **21.96** | 7.44 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White, coarse, finer grained especially near the upper contact for ~ 20 cm. | **492** | 14.52 | 15.52 | 1.00 | 0.87 |
| | | | | Upper contact 50° to CA, & lower contact 35° to CA. | **493** | 15.52 | 17.02 | 1.50 | 1.96 |
| | | | | PG , QZ common, minor large dark grey FP , common MV - PH , SO . | **494** | 17.02 | 18.52 | 1.50 | 0.56 |
| | | | | SO ~ 10 - 12 %, pale green, small & large crystals, larger crystals e.g. 8 cm x 3 cm, 5 cm x 1 cm. | **495** | 18.52 | 19.74 | 1.22 | 2.78 |
| | | | | Smaller crystals in clusters. | **496** | 19.74 | 20.96 | 1.22 | 1.55 |
| | | | | Larger crystals & more crystals seen in central part of pegmatite. | **497** | 20.96 | 21.96 | 1.00 | 0.70 |
| | | | | Crystals oriented 40° to CA, but other orientations also. | | | | | |
| | | | | MV - PH common, smaller flakes in finer grained material, in coarser parts larger MV - PH | | | | | |
| | | | | flakes & booklets up to 3 cm. | | | | | |
| | | | | Very rare isolated dark greenish blue AP crystals 3 mm - 7 mm. | | | | | |
| | | | | | | | | | |
| **21.96** | **52.78** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Metatexite, good migmatitic banding parallel, subparallel, to very low angle to CA. | | | | | |
| | | | | Very strong deformation. In places crenulation of banding. QZ , PG , BO , MV , SM . | | | | | |
| | | | | Very minor mm - cm felsic veins, parallel to banding, or x-cutting banding. | | | | | |
| | | | | A thicker white sugary textured vein related to pegmatites at 24.55 - 24.80 m, contacts 40° to CA, | | | | | |
| | | | | thus x-cutting M2 banding. | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Between 48.00 - 50.00 m there is small euhedral to subhedral GR , < 5 mm, ~ 5 %, & | | | | | |
| | | | | fine disseminated PY , AS ~ 3 %, the sulphides are elongate parallel to foliation. | | | | | |
| | | | | | | | | | |
| **52.78** | **59.18** | 6.40 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, finer grained & micaceous near both contacts for ~ 15 cm. Both contacts 35° to CA. | **498** | 52.78 | 53.78 | 1.00 | 0.03 |
| | | | | Near lower contact M2 has a much stronger foliation for ~ 20 cm. | **499** | 53.78 | 55.28 | 1.50 | 0.10 |
| | | | | PG , common QZ large & small, several large & small dark grey FP , MV - PH very common. | **500** | 55.28 | 56.78 | 1.50 | 0.10 |
| | | | | Whole section is characterized by large & small yellowish green patches uo to 4 cm x 2 cm, | **1501** | 56.78 | 58.18 | 1.40 | 0.06 |
| | | | | composed of MV - PH & possibly some EP . Some of these patches have elongate shapes. | | | | | |
| | | | | Therefore, could these patches represent completely destabilized & altered SO ?? No visible SO . | | | | | |
| | | | | Sample-1502 contains 2 M2 enclaves 2 cm & 6 cm. | **1502** | 58.18 | 59.18 | 1.00 | 0.12 |
| | | | | | **1503** | STANDARD LOW | | | 0.83 |
| **59.18** | **64.00** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Metatexite, migmatitic banding, banding subparallel, or at low angle to CA. | | | | | |
| | | | | White mobilizate in mm - cm continuous, discontinuous, & lenticular layers. | | | | | |
| | | | | Here also, between 60.80 - 62.30 m, euhedral to subhedral GR , < 5 mm, was observed, similar to | | | | | |
| | | | | that seen just above. There is also similar fine disseminated PY , AS ~ 1 - 3 %. | | | | | |
| | | | | | | | | | |
| **64.00** | **77.36** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | From near 64.00 m, the paragneisses become more homogeneous type, with little mobilizate. | | | | | |
| | | | | Foliation 30° - 40° to CA. Minor mm - cm felsic veins. | | | | | |
| | | | | A coarse pegmatite at 71.32 - 71.67 m, with PG , coarse common QZ , yellowish green patches | | | | | |
| | | | | which might represent altered SO , rare mm dark greenish blue AP , no visible SO . | | | | | |
| | | | | A 2 - 4 cm white felsic vein, with mm finer grained contacts, shows broad folding at 73.55 - 74.00 m. | | | | | |
| | | | | Another pegmatite vein at 75.40 - 75.50 m. | | | | | |
| | | | | | | | | | |
| **77.36** | **77.95** | 0.59 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse. Both contacts 25° to CA. PG , QZ , minor dark grey FP , MV - PH , some yellowish | **1504** | 77.36 | 77.95 | 0.59 | 0.78 |
| | | | | green patches, SO ~ 3 %, crystals < 2 cm. | | | | | |
| | | | | | | | | | |
| **77.95** | **87.10** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, homogeneous type, in parts heterogeneous. | | | | | |
| | | | | Foliation quite strong in certain parts, 20° - 30° to CA. Minor mm - cm white felsic veins. | | | | | |
| | | | | Thicker pegmatite vein at 78.35 - 78.47 m, upper half is finer grained. | | | | | |
| | | | | | | | | | |
| **87.10** | **89.03** | 1.93 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, finer grained near upper contact. Upper contact high angle to CA, & lower contact | **1505** | 87.10 | 88.06 | 0.96 | 1.66 |
| | | | | 45° to CA. PG , QZ common large, minor dark grey FP near lower contact, MV - PH , SO . | **1506** | 88.06 | 89.03 | 0.97 | 1.02 |
| | | | | SO ~ 7 %, very pale green to whitish, crystals up to 5 cm. | | | | | |
| | | | | More SO crystals in upper part of pegmatite. Crystals oriented 45° - 50° to CA. | | | | | |
| | | | | | | | | | |
| **89.03** | **91.00** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium to dark grey, very homogeneous type. Foliation 45° to CA. | | | | | |
| | | | | A pegmatite vein at 90.30 - 90.45 m. | | | | | |
| | | | | | | | | | |
| **91.00** | **91.45** | 0.45 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, finer grained at both contacts for 1 - 3 cm. Both contacts 40° to CA. | **1507** | 91.00 | 91.45 | 0.45 | 2.04 |
| | | | | PG , QZ , MV - PH . SO ~ 7 %, very pale green to whitish, crystals 1 - 2 cm, well oriented 45° to CA . | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **91.45** | **101.12** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium to dark grey, very homogeneous type. Foliation 30° - 50° to CA. | | | | | |
| | | | | Very minor mm - cm white felsic veins. Thicker pegmatite veins at 96.35 - 96.80 m; 99.0 - 99.17 m. | | | | | |
| | | | | | | | | | |
| **101.12** | **101.60** | 0.48 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, finer grained at both contacts for 1 - 5 cm. Both contacts 55° to CA. | **1508** | 101.12 | 101.60 | 0.48 | 1.46 |
| | | | | PG , very common QZ , minor dark grey FP , minor MV - PH , SO . | | | | | |
| | | | | SO ~ 5 - 7 %, very pale green to whitish, crystals mostly 1 - 3 cm, crystals well oriented 50° to CA. | | | | | |
| | | | | | | | | | |
| **101.60** | **110.11** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, light grey, homogeneous type. | | | | | |
| | | | | M1 has become lighter grey possibly due to the influence of neighbouring pegmatite. | | | | | |
| | | | | A pegmatite vein at 103.96 - 104.45 m with finer grained margin for ~ 5 cm, no visible SO . | | | | | |
| | | | | Smaller pegmatite at 104.76 - 104.86 m. | | | | | |
| | | | | Thicker pegmatite at 106.30 - 106.90, mixed finer & coarse grained, with a few small M1 enclaves. | | | | | |
| | | | | | | | | | |
| **110.11** | **111.68** | 1.57 | **I1G** | **PEGMATITE** | **1509** | 110.11 | 111.68 | 1.57 | 1.87 |
| | | | | White, coarse, finer grained near margins. Both contacts 50° to CA. | | | | | |
| | | | | PG , large common QZ , MV - PH common up to 1 cm, SO . | | | | | |
| | | | | SO ~ 10 %, pale green to whitish, crystals 1 - 3 cm, larger crystals 4 cm, oriented 25° - 35° to CA. | | | | | |
| | | | | | | | | | |
| **111.68** | **115.91** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, homogeneous type. Foliation 40° to CA. | | | | | |
| | | | | A few mm - cm white felsic veins. A thicker pegmatite at 112.15 - 112.40 m, finer grained near | | | | | |
| | | | | contacts, possibly 1 - 2 % SO , partly altered to yellowish green MV - PH - EP . | | | | | |
| | | | | | | | | | |
| **115.91** | **117.55** | 1.64 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse. Both contacts 40° to CA. PG , common large QZ , MV - PH up to 1 cm, SO . | **1510** | 115.91 | 117.55 | 1.64 | 1.56 |
| | | | | SO ~ 7 - 10 %, pale green crystals 1 - 3 cm, oriented 30° - 60° to CA. | | | | | |
| | | | | | | | | | |
| **117.55** | **118.35** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same homogeneous type. | | | | | |
| | | | | | | | | | |
| **118.35** | **118.90** | 0.55 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse. Both contacts 60° to CA. PG , common QZ , MV - PH < 1 cm, SO . | **1511** | 118.35 | 118.90 | 0.55 | 1.41 |
| | | | | SO ~ 7 - 10 %, pale green, crustals 1 - 3 cm, larger crystals 4.5 cm, oriented 50° - 60° to CA. | | | | | |
| | | | | One 4.5 cm M1 enclave. | | | | | |
| | | | | | | | | | |
| **118.90** | **119.50** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same homogeneous type paragneisses. | | | | | |
| | | | | | | | | | |
| **119.50** | **119.90** | 0.40 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse. Upper contact 25° , & lower contact high angle to CA. PG , common QZ , MV - PH , SO . | **1512** | 119.50 | 119.90 | 0.40 | 1.84 |
| | | | | SO ~ 7 - 10 %, very pale green, 1 - 3 cm, oriented 50° to CA. | | | | | |
| | | | | | | | | | |
| **119.90** | **120.58** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same homogeneous type. | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **120.58** | **121.80** | 1.22 | **I1G** | **PEGMATITE** | **1513RP** | | | | 1.53 |
| | | | | White, coarse. Upper contact high angle to CA, & lower contact 40° to CA. | **1513** | 120.58 | 121.80 | 1.22 | 1.62 |
| | | | | PG , common QZ , some large dark grey FP , MV - PH < 1 cm, SO . | **568825** | DUPLICATE | | | 1.52 |
| | | | | SO ~ 10 - 12 %, very pale green crystals 1 - 4 cm, well oriented 50° - 60° to CA. | **568825RP** | | | | 0.11 |
| | | | | | | | | | |
| **121.80** | **122.70** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same homogeneous type. Foliation 50° to CA. | | | | | |
| | | | | | | | | | |
| **122.70** | **123.91** | 1.21 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, in large part finer grained, minor parts coarser. A few M1 enclaves 2.5 - 7 cm. | **1514** | 122.70 | 123.91 | 1.21 | 0.10 |
| | | | | Upper contact 40° to CA, & lower contact high angle to CA. Minor dark grey FP. | | | | | |
| | | | | Good SO not seen. A few yellowish green patches which may represent altered SO . | | | | | |
| | | | | | | | | | |
| **123.91** | **128.15** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, homogeneous type. Foliation 60° to CA. | | | | | |
| | | | | A few mm - cm white felsic veins. | | | | | |
| | | | | Small pegmatite veins at 124.98 - 125.07 m; 125.27 - 125.42 m; 127.90 - 128.10 m. | | | | | |
| | | | | | | | | | |
| **128.15** | **132.82** | 4.67 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White, coarse. Both contacts 40° to CA. | **1515** | 128.15 | 129.15 | 1.00 | 0.92 |
| | | | | PG, large common QZ , several dark grey FP near contacts, & elsewhere also. | **1516** | 129.15 | 130.49 | 1.34 | 2.32 |
| | | | | MV - PH common up to 1.5 cm. | **1517** | 130.49 | 131.82 | 1.33 | 1.63 |
| | | | | SO ~ 10 - 15 %, very pale green, large & small crystals, smaller crystals 0.5 - 4 cm, larger crystals | **1518** | 131.82 | 132.82 | 1.00 | 1.61 |
| | | | | up to 5 x 2.5 cm, crystals oriented 40° - 50° to CA. | | | | | |
| | | | | | | | | | |
| **132.82** | **134.35** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same homogeneous type. Foliation 30° - 40° to CA. | | | | | |
| | | | | | | | | | |
| **134.35** | **134.77** | 0.42 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse. Both contacts 50° to CA. PG , common QZ , MV - PH , SO . | **1519** | 134.35 | 134.77 | 0.42 | 2.22 |
| | | | | SO ~ 7 - 10 %, pale green smaller crystals 0.5 - 2 cm, crystals oriented 35° to CA, | | | | | |
| | | | | | | | | | |
| **134.77** | **135.40** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same homogeneous type paragneisses. Foliation 45° - 50° to CA. | | | | | |
| | | | | | | | | | |
| **135.40** | **141.70** | 6.30 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White, coarse. Upper & lower contacts 40° to CA. | **1520** | 135.40 | 136.40 | 1.00 | 1.43 |
| | | | | PG , large common QZ , large & small dark grey FP in several places, MV - PH common , SO . | **1521** | 136.40 | 137.90 | 1.50 | 1.33 |
| | | | | SO ~ 10 - 12 %, pale green, smaller crystals 0.5 - 3 cm, larger crystals 4 x 1.5 cm. | **1522** | 137.90 | 139.40 | 1.50 | 0.90 |
| | | | | Variable orientations of crystals 30° - 60° to CA. | **1523** | STANDARD LOW | | | 0.84 |
| | | | | In the lower parts of pegmatite, SO crystals show partial alterations to a finely crystalline | **1524** | 139.40 | 140.70 | 1.30 | 0.43 |
| | | | | yellowish green aggregate composed of MV - PH , EP ?, but good relics of SO with varying degrees | **1525** | 140.70 | 141.70 | 1.00 | 0.13 |
| | | | | of alteration are easily seen. | | | | | |
| | | | | Sample-1521 contains 8 cm M1 enclave. | | | | | |
| | | | | | | | | | |
| **141.70** | **157.00** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, homogeneous type. Foliation 40° - 50° to CA. | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | A few mm - cm white felsic veins x-cutting foliation. Some thicker pegmatite at 142.05 - 142.30 m. | | | | | |
| | | | | | | | | | |
| **157.00** | **157.44** | 0.44 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse. Both contacts 45° to CA. PG , common QZ , minor yellowish green patches, | **1526** | 157.00 | 157.44 | 0.44 | 0.02 |
| | | | | No visible SO . | | | | | |
| | | | | | | | | | |
| **157.44** | **170.80** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, light grey to dark grey, homogeneous type. Foliation 35° - 40° to CA. | | | | | |
| | | | | Only a few mm - cm white felsic veins. Thicker pegmatite veins, coarse with finer grained | | | | | |
| | | | | margins at 163.59 - 163.77 m; 166.03 - 166.17 m. | | | | | |
| | | | | | | | | | |
| | | | | **170.80 m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.54%/6.44m | 14.52 | 20.96 |
| 1.34%/1.93m | 87.10 | 89.03 |
| 1.67%/4.67m | 128.15 | 132.82 |
| 1.19%/4.00m | 135.40 | 139.40 |

LITHIUM ONE INC.
Property : James Bay Lithium
DDH # : **JBL09-39** Start : August 11, 2009
Azimuth : 110° LOCATION UTM End : August 12, 2009
Dip: -80° 358389 mE
Elevation: 222m 5789467 mN

Drilled by : Chibougamau Diamond Drilling
Logged by : M K
**Verified by: AJMc** on August 16th, 2009

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $L_{i_2}O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **0.35** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **0.35** | **3.13** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Metatexite, good migmatitic banding mm - cm. QZ , PG , BO , MV . | | | | | |
| | | | | Migmatitic banding subparallel to CA. | | | | | |
| | | | | | | | | | |
| **3.13** | **14.57** | 11.44 | **I1G** | **PEGMATITE (Very good section)** | | | | | |
| | | | | White, coarse. Upper contact high angle to CA, & lower contact 30° to CA. | **1527** | 3.13 | 4.13 | 1.00 | 1.32 |
| | | | | PG , QZ common large, several large & small dark grey FP , common MV - PH , SO . | **1528** | 4.13 | 5.63 | 1.50 | 2.26 |
| | | | | SO ~ 15 - 20 %, green to pale green, large & small crystals, common crystals 1 - 3 cm, | **1529** | 5.63 | 7.13 | 1.50 | 1.41 |
| | | | | but there are numerous larger crystals up to 6 cm x 3 cm. | **1530** | 7.13 | 8.63 | 1.50 | 1.12 |
| | | | | SO crystals are fresh. Rarely some crystals show partial alterations. | **1531** | 8.63 | 10.13 | 1.50 | 1.57 |
| | | | | SO crystals oriented 30° to CA, to high angle to CA. Very rare isolated dark greenish blue AP. | **1532** | 10.13 | 11.63 | 1.50 | 1.73 |
| | | | | | **1533** | 11.63 | 12.63 | 1.00 | 1.20 |
| | | | | | **1534** | BLANK | | | <100 ppm |
| | | | | | **1535** | 12.63 | 13.57 | 0.94 | 0.27 |
| | | | | | **1536** | 13.57 | 14.57 | 1.00 | 1.38 |
| | | | | | | | | | |
| **14.57** | **15.12** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Metatexite, migmatitic banding 30° to CA. | | | | | |
| | | | | One 2.5 cm vein of white felsic material, finer grained & related to pegmatite, contains minor MV . | | | | | |
| | | | | | | | | | |
| **15.12** | **16.15** | 1.03 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, finer grained near margins. Upper contact 30° to CA, & lower contact is irregular. | **1537** | 15.12 | 16.15 | 1.03 | 0.69 |
| | | | | PG , QZ , MV - PH , SO very minor partial alterations of some crystals. | | | | | |
| | | | | SO ~ 7 %, green to pale green, crystals 1 - 3 cm, crystals oriented 30° to CA. | | | | | |
| | | | | | | | | | |
| **16.15** | **22.00** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Metatexite, good migmatitic banding showing minor folding. | | | | | |
| | | | | Banding subparallel to CA, to low angles 20° - 30° to CA. | | | | | |
| | | | | In upper part, 16.15 - 16.50 m, there is injection of finer grained white felsic material with MV - PH . | | | | | |
| | | | | Pegmatite vein at 20.10 - 20.25 m. Other felsic veins 1.5 to 7.0 cm | | | | | |
| | | | | | | | | | |
| **22.00** | **25.50** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, homogeneous type. Above 22.00 m the metasediments have a migmatitic | | | | | |
| | | | | banding, & below ~ 22.00 m there is a sudden absence of mobilizate layers. | | | | | |
| | | | | Foliation 25° to CA, to subparallel to CA. | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **25.50** | **27.45** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Greenish fine grained rock with common BO phenocrysts < 5 mm. | | | | | |
| | | | | These BO phenocrysts are less abundant, or they appear to be so because of the fact that there | | | | | |
| | | | | are mre smaller BO phenocrysts ?. | | | | | |
| | | | | Upper & lower contacts 40˚ to CA. Near the contacts rocks are more greenish due to alterations. | | | | | |
| | | | | | | | | | |
| **27.45** | **29.95** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, homogeneous type. Foliation subparallel, or at low angle to CA. | | | | | |
| | | | | A pegmatite vein at 28.45 - 28.78 m, no visible SO . | | | | | |
| | | | | | | | | | |
| **29.95** | **32.45** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Similar to 25.50 - 27.45 m. Both contacts 35˚ to CA. Similar greenish alterations in contact zones. | | | | | |
| | | | | | | | | | |
| **32.45** | **33.80** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, homogeneous to heterogeneous. Foliation subparallel, to 20˚ to CA. | | | | | |
| | | | | | | | | | |
| **33.80** | **36.30** | 2.50 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, finer grained near both contacts. Both contacts 50˚ to CA. | | | | | |
| | | | | PG , common QZ , several large & small dark grey FP , mv - PH , SO , rare isolated AP ~ 5 mm. | | | | | |
| | | | | Pegmatite possibly contained ~ 5 % SO , but now only a few relics are seen surrounded by | | | | | |
| | | | | yellowish green patches, which likely represent original sizes of SO crystals. | | | | | |
| | | | | SO relics are possibly surrounded by MV - PH , & then by a white mineral possibly Albite AB . | **1538** | 33.80 | 35.05 | 1.25 | 0.04 |
| | | | | Sample-1539 contains M1 enclave at 35.62 - 35.73 m. | **1539** | 35.05 | 36.30 | 1.25 | 0.03 |
| | | | | | | | | | |
| **36.30** | **37.00** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, homogeneous. Foliation subparallel to CA. | | | | | |
| | | | | | | | | | |
| **37.00** | **37.95** | 0.95 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, finer grained near contacts for a few cm. Both contacts at low angle 10˚ - 15˚ to CA. | | | | | |
| | | | | Here also only relics of SO surrounded by its alteration products as seen at 33.80 - 36.30 m. | | | | | |
| | | | | M1 enclave at 37.50 - 37.65 m, & a 2.5 cm M1 enclave near lower contact. | **1540** | 37.00 | 37.95 | 0.95 | 0.04 |
| | | | | | | | | | |
| **37.95** | **48.80** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, homogeneous type. Foliation 25˚ to subparallel to CA. | | | | | |
| | | | | A few mm - cm white felsic veins. | | | | | |
| | | | | Some pegmatite veins at 40.50 - 40.69 m; 45.00 - 45.20 m; 47.14 - 47.25 m. | | | | | |
| | | | | Finely disseminated AS , PY , good examples near 47 m. Sulphides ~ 3 % aligned parallel to foliation. | | | | | |
| | | | | | | | | | |
| **48.80** | **62.28** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Greenish fine grained matrix, with abundant (~ 30 %) BO phenocrysts < 5 mm uniformly distributed. | | | | | |
| | | | | Well foliated, foliation 35˚ to CA, to low angle to CA, to subparallel to CA. | | | | | |
| | | | | Rare finer grained felsic veins at 49.15 - 49.27 m; 49.49 - 49.52 m; 53.60 - 53.65 m; 57.15 - 57.19 m. | | | | | |
| | | | | These felsic veins show a different kind of zoning = fine grained core, and away from the core | | | | | |
| | | | | the felsic material incorporates the surrounding mafic material. | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Veins parallel to foliation, or x- cut foliation. | | | | | |
| | | | | | | | | | |
| **62.28** | **75.65** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, homogeneous type. A few mm white felsic veins. | | | | | |
| | | | | Some thicker pegmatite veins at 63.35 - 63.43 m; 64.65 - 64.77 m; 65.55 - 65.82 m; 72.90 - 73.20 m. | | | | | |
| | | | | There is Mafic Volcanics at 70.07 - 70.50 m, with BO phenocrysts. Both contacts of mafic volcanics | | | | | |
| | | | | 25˚ to CA. | | | | | |
| | | | | | | | | | |
| **75.65** | **143.85** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Very homogeneous greenish fine grained matrix, with abundant (~ 20 %) BO phenocrysts 5mm - 1 cm. | | | | | |
| | | | | The preferred orientation of the phenocrysts shows a well developed foliation. | | | | | |
| | | | | Foliation subparallel to CA, to low angle to CA. | | | | | |
| | | | | There is a lot of breaking up of cores parallel to core axis, because the foliation is nearly parallel | | | | | |
| | | | | to CA. From ~ 102 m, the cores are not fragile, and remain intact. The well developed foliation | | | | | |
| | | | | remains subparallel, to 20˚ to CA. | | | | | |
| | | | | A characteristic feature of these mafic volcanics is near absence of thicker felsic veins. | | | | | |
| | | | | Even the mm - cm white felsic veins are quite rare. | | | | | |
| | | | | Very rare white felsic veins at 77.55 - 77.65 m zoned with QZ in centre; 89.17 - 89.36 m; | | | | | |
| | | | | 100.17 - 100.38 m. | | | | | |
| | | | | | | | | | |
| | | | | **143.85 m E.O.H.** | | | | | |

| **ASSAY** | **(averages)** | **SUMMARY** |
|---|---|---|
| 1.54%/9.50m | 3.13 | 12.63 |

LITHIUM ONE INC.
Property : James Bay Lithium

DDH # : **JBL09-40** Start : August 12, 2009
Azimuth : 110° LOCATION UTM End : August 13, 2009
Dip: -45° 358342 mE
Elevation: 222m 5789441 mN

Drilled by : Chibougamau Diamond Drilling
Logged by : M K
**Verified by:** **AJMc** on August 17th, 2009

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **2.90** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **2.90** | **18.95** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Metatexite with good mm - cm migmatitic banding. QZ , PG , BO , MV , possibly some SM . | | | | | |
| | | | | A few white mm - cm felsic veins x-cut banding. | | | | | |
| | | | | Migmatitic banding mostly parallel to subparallel to CA. | | | | | |
| | | | | | | | | | |
| **18.95** | **26.10** | 7.15 | **I1G** | **PEGMATITE (Very good section)** | | | | | |
| | | | | White, coarse, finer grained near upper contact for 25 cm, & near lower contact for 15 cm. These | **1541** | 18.95 | 19.95 | 1.00 | 0.03 |
| | | | | finer grained parts also contain fine grained MV - PH . Also near upper contact, a 3 mm layer with | **1542** | 19.95 | 21.45 | 1.50 | 0.01 |
| | | | | small dark greenish blue AP crystals. | **1543** | 21.45 | 22.95 | 1.50 | 0.02 |
| | | | | Upper contact 15° to CA, & lower contact 40° to CA. | **1544** | STANDARD HIGH | | | 1.27 |
| | | | | PG , large common QZ , several large & small dark grey FP . | **1545** | 22.95 | 24.10 | 1.15 | 3.29 |
| | | | | Common MV - PH in large flakes & booklets 1 - 3 cm. | **1546** | 24.10 | 25.10 | 1.00 | 1.50 |
| | | | | In the central part of this section, there are fan-shaped growths of Cleavelandite in white long | **1547** | 25.10 | 26.10 | 1.00 | 0.04 |
| | | | | lamellar crystals 2.0 - 2.5 cm long. | | | | | |
| | | | | SO ~ 10 - 12 %, very pale green to pale green, some larger crystals up to 15 x 4 cm, 10 x 4 cm. | | | | | |
| | | | | A few SO crystals show minor dark green, similar to ST , alterations. | | | | | |
| | | | | Also present yellowish green patches with finely crystalline MV - PH , EP ?, which may also | | | | | |
| | | | | represent altered SO . | | | | | |
| | | | | | | | | | |
| **26.10** | **48.30** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Metatexite, good migmatitic banding. QZ , PG , BO , MV , possibly some SM . | | | | | |
| | | | | Migmatitic banding parallel to CA, subparallel to CA, or at low angle to CA. | | | | | |
| | | | | Minor crenulations & minor folds. Only a few white mm - cm felsic veins. | | | | | |
| | | | | One thicker white finer grained felsic vein at 28.45 - 28.57 m, with minor small MV - PH . | | | | | |
| | | | | | | | | | |
| **48.30** | **56.20** | 7.90 | **I1G** | **PEGMATITE (Very good section)** | | | | | |
| | | | | White, coarse. Both contacts high angle to CA. | **1548** | 48.30 | 49.30 | 1.00 | 0.70 |
| | | | | PG , large common QZ , some large & small dark grey FP near upper contact. | **1549** | 49.30 | 50.80 | 1.50 | 1.82 |
| | | | | MV - PH common up to 1.0 - 1.5 cm, SO . | **1550** | 50.80 | 52.30 | 1.50 | 1.03 |
| | | | | SO ~ 15 - 17 %, very pale green to whitish, common crystals 1 - 4 cm, larger crystals 10 x 2 cm. | **1551** | 52.30 | 53.80 | 1.50 | 1.93 |
| | | | | Smaller SO crystals show good preferred orientation 30° - 50° to CA. | **1552** | 53.80 | 55.20 | 1.40 | 1.90 |
| | | | | In lower part SO very pale green to whitish, crystals subparallel to CA, or low angle to CA. | **1553** | 55.20 | 56.20 | 1.00 | 1.36 |
| | | | | 7 cm M2 enclaves at 50.70 m, & 52.35 m. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **56.20** | **57.16** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Metatexite, good migmatitic banding. Banding at high angle to CA. Presence of minor folds. | | | | | |
| | | | | A few mm felsic veins x-cut banding. | | | | | |
| | | | | | | | | | |
| **57.16** | **58.20** | 1.04 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White, coarse. Upper contact 30˚ to CA, & lower contact 60˚ to CA. | **1554** | 57.16 | 58.20 | 1.04 | 1.41 |
| | | | | PG , common QZ , rare dark grey FP , MV - PH , SO . | **568826** | DUPLICATE | | | 1.50 |
| | | | | SO ~ 10 - 13 %, very pale green to whitish, small crystals 0.5 - 3 cm, orientation variable. | | | | | |
| | | | | A large M2 enclave at 57.35 - 57.60 m; & two 2 - 3 cm enclaves in lower part of pegmatite. | | | | | |
| | | | | | | | | | |
| **58.20** | **59.89** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Same metatexite, migmatitic banding 40˚ to CA. Minor folds present. | | | | | |
| | | | | A few mm white felsic veins that x-cut banding also show ptygmatic folds. | | | | | |
| | | | | | | | | | |
| **59.89** | **62.83** | 2.94 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White, coarse, finer grained with MV for 5 cm near lower contact. | **1555** | 59.89 | 60.89 | 1.00 | 0.95 |
| | | | | Upper contact 90˚ to CA, & lower contact 40˚ to CA. | **1556** | 60.89 | 61.83 | 0.94 | 1.47 |
| | | | | PG , common QZ , some large & small dark grey FP . MV - PH up to 2 cm. | **1557** | 61.83 | 62.83 | 1.00 | 0.98 |
| | | | | SO ~ 10 - 15 %, very pale green to whitish, crystals up to 7 cm, oriented low angle to 30˚ to CA. | | | | | |
| | | | | | | | | | |
| **62.83** | **66.52** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Same metatexite, migmatitic banding, minor folds. Banding 25˚ - 60˚ to CA. | | | | | |
| | | | | | | | | | |
| **66.52** | **66.96** | 0.44 | **I1G** | **PEGMATITE (small but good section)** | | | | | |
| | | | | White, coarse. MV - PH in pegmatite & in M2 near both contacts. Both contacts high angle to CA. | **1558** | 66.52 | 66.96 | 0.44 | 1.47 |
| | | | | Minor large dark grey FP . | | | | | |
| | | | | SO ~ 10 - 15 %, larger crystals up to 6 cm. SO crystals oriented low angle to CA. | | | | | |
| | | | | | | | | | |
| **66.96** | **67.78** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Metatexite, migmatitic banding subparallel to CA. | | | | | |
| | | | | | | | | | |
| **67.78** | **69.90** | 2.12 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White, coarse. Upper & lower contacts high angle to CA. | | | | | |
| | | | | PG , QZ , some very large & others small dark grey FP , MV - PH up to 1 cm, SO . | | | | | |
| | | | | SO ~ 10 - 13 %, pale green to very pale green, large & small crystals, larger crystals 7 x 1.5 cm. | | | | | |
| | | | | SO crystals oriented 30˚ to CA. | **1559** | 67.78 | 68.84 | 1.06 | 2.15 |
| | | | | Sample-1560 contains 10 cm M2 enclave at 69.67 - 69.77 m. | **1560** | 68.84 | 69.90 | 1.06 | 2.06 |
| | | | | | | | | | |
| **69.90** | **70.23** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, light grey, homogeneous, but still part of M2 . Rock has become light grey possibly | | | | | |
| | | | | due to fluids from pegmatites on both sides. | | | | | |
| | | | | | | | | | |
| **70.23** | **70.65** | 0.42 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse. Both contacts high angle to CA. | **1561** | 70.23 | 70.65 | 0.42 | 2.05 |
| | | | | PG , QZ , several large & small dark grey FP , MV - PH , SO . | | | | | |
| | | | | SO ~ 5 - 7 %, pale green, crystals up to 3 - 4 cm, oriented 25˚ to CA. | | | | | |
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| **70.65** | **71.18** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Metatexite, rocks have become light grey due to influence of fluids from surrounding pegmatites. | | | | | |
| | | | | | | | | | |
| **71.18** | **71.41** | 0.23 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse in lower part, finer grained near upper contact for 7 cm. | | | | | |
| | | | | Upper & lower contacts high angle to CA. In lower part some dark grey FP . | | | | | |
| | | | | Close to upper contact, the finer grained part contains a row of tiny black TL crystals. | | | | | |
| | | | | Near lower contact several mm to 1 cm dark greenish blue AP . | | | | | |
| | | | | SO ~ 2 %, only a few scattered small crystals. | | | | | |
| | | | | | | | | | |
| **71.41** | **72.46** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Metatexite which have become light grey due to the influence of fluids accompanying pegmatites. | | | | | |
| | | | | A 1.5 cm felsic vein at 72.10 m causes development of some MV , TL , AS , PY in the vicinity. | | | | | |
| | | | | | | | | | |
| **72.46** | **73.09** | 0.63 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, minor finer grained parts. PG , QZ common, common dark grey FP , MV - PH . | | | | | |
| | | | | No visible SO . A 4 cm M2 enclave at 72.60 m. | **1562** | 72.46 | 73.09 | 0.63 | 0.18 |
| | | | | | | | | | |
| **73.09** | **90.32** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Metatexite - from 73.09 m to about 74.00 m the rocks remain light grey being influenced by pegmatite. | | | | | |
| | | | | Then below 74.00 m the rocks become darker grey, and where migmatitic banding becomes evident. | | | | | |
| | | | | Migmatitic banding subparallel, parallel to CA, to 30° to CA. Only a few mm - cm white felsic veins. | | | | | |
| | | | | | | | | | |
| **90.32** | **90.88** | 0.56 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, finer grained near contacts with MV . PG , QZ common, large dark grey FP . | **1563** | 90.32 | 90.88 | 0.56 | 0.08 |
| | | | | Some large yellowish green patches with a fan-shaped translucent pale green mineral ?. | **1564** | STANDARD HIGH | | | 1.38 |
| | | | | These yellowish green patches may represent completely altered SO . | | | | | |
| | | | | No visible SO . MV - PH up to 5 cm. | | | | | |
| | | | | | | | | | |
| **90.88** | **91.60** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, homogeneous type | | | | | |
| | | | | | | | | | |
| **91.60** | **93.45** | 1.85 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White, coarse. Both contacts high angle to CA. | **1565** | 91.60 | 92.55 | 0.95 | 1.95 |
| | | | | PG , common QZ , common dark grey FP near both contacts, MV - PH , SO . | **1566** | 92.55 | 93.45 | 0.90 | 1.31 |
| | | | | SO ~ 10 - 13 %, pale green, common crystals 1 - 3 cm, larger crystals 5 x 1.5 cm. | | | | | |
| | | | | Several crystals show good orientation subparallel to CA; some crystals oriented 35° to CA. | | | | | |
| | | | | Rare SO crystals show dark green, ST -like, alteration. | | | | | |
| | | | | Sample-1566 contains a 5 cm M1 enclave at 93.15 m. | | | | | |
| | | | | | | | | | |
| **93.45** | **109.25** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, homogeneous type. Foliation 25° - 40° to CA. | | | | | |
| | | | | A few mm - cm white felsic veins. | | | | | |
| | | | | A thicker pegmatite vein at 99.08 - 99.35 m contains 3 dark greenish blue AP < 5 mm. | | | | | |
| | | | | Pegmatite at 106.10 - 106.35 m, with both contacts high angle to CA, is an excellent example | | | | | |
| | | | | of development of SO at a high angle to the contacts of pegmatite, & it also shows that the | | | | | |
| | | | | development of SO crystals took place in the central part of the vein. Therefore, SO crystals here | | | | | |
| | | | | are subparallel to CA. SO ~ 5 %. (Sample of this complete vein kept for collection) | | | | | |

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| **109.25** | **110.21** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Much finer grained mafic volcanics than all the previously seen such rocks. | | | | | |
| | | | | Dark green, very fine grained, with tiny mm BO phenocrysts ~ 10 % uniformly distributed. | | | | | |
| | | | | Onle a few BO phenocrysts > 5 mm. | | | | | |
| | | | | The orientation of these BO phenocrysts defines a good foliation at 60° to CA. | | | | | |
| | | | | | | | | | |
| **110.21** | **112.45** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, homogeneous type. | | | | | |
| | | | | A pegmatite at 111.33 - 111.69 m contains scattered SO crystals ~ 2 - 3 %. Below 111.69 m, & up to | | | | | |
| | | | | the pegmatite below which starts at 112.45 m, the M1 contains small patches of felsic material, & | | | | | |
| | | | | M1 becomes light grey with some MV , possibly caused by fluids related to pegmatites. | | | | | |
| | | | | | | | | | |
| **112.45** | **114.28** | 1.83 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, finer grained near margins. Both contacts high angle to CA. | **1567** | 112.45 | 113.37 | 0.92 | 0.71 |
| | | | | PG , QZ common, some large dark grey FP , MV - FP . SO ~ 5 %, crystals up to 3 cm. | **1568** | 113.37 | 114.28 | 0.91 | 0.53 |
| | | | | | | | | | |
| **114.28** | **118.63** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, homogeneous type. Foliation 60° - 70° to CA. | | | | | |
| | | | | Small pegmatites at - 115.57 - 115.72 m some scattered SO in central part ; | | | | | |
| | | | | 116.29 - 116.36 m some scattered SO ; 117.07 - 117.12 m some scattered SO ; | | | | | |
| | | | | 118.05 - 118.09 m mostly finer grained. | | | | | |
| | | | | | | | | | |
| **118.63** | **120.83** | 2.20 | **I1G** | **PEGMATITE (Good section, large SO crystals)** | | | | | |
| | | | | White, coarse. Upper contact 30° to CA, & lower contact 90° to CA. | **1569** | 118.63 | 119.73 | 1.10 | 1.72 |
| | | | | PG , some large to very large QZ occupy spaces in between large well oriented SO crystals. | **1570** | 119.73 | 120.83 | 1.10 | 1.57 |
| | | | | MV - PH up to 1.5 cm, some in clusters. | | | | | |
| | | | | SO ~ 10 - 15 %, pale green, several large crystals up to 10 x 1.5 cm. | | | | | |
| | | | | SO crystals well oriented 25° - 30° to CA. | | | | | |
| | | | | | | | | | |
| **120.83** | **122.60** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, homogeneous type. Foliation 40° to CA. | | | | | |
| | | | | | | | | | |
| **122.60** | **124.23** | 1.63 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White, coarse. Upper & lower contacts 60° to CA. | **1571** | 122.60 | 123.42 | 0.82 | 1.56 |
| | | | | PG , common large QZ . MV - PH common, up to 1.5 cm, some in clusters. | **1572** | 123.42 | 124.23 | 0.81 | 1.32 |
| | | | | SO ~ 10 - 15 %, pale green, large & small crystals. Smaller crystals 0.5 - 3 cm. | | | | | |
| | | | | Larger crystals 6 x 1.5 cm. SO crystals well oriented 40° - 50° to CA. | | | | | |
| | | | | | | | | | |
| **124.23** | **128.93** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, homogeneous type. Pegmatite vein at 125.45 - 125.65 m. | | | | | |
| | | | | Another pegmatite vein at 128.20 - 128.45 m, finer grained at contact, both contacts high angle | | | | | |
| | | | | to CA, some SO crystals 0.5 - 1.0 cm in central part, oriented 35° - 40° to CA | | | | | |
| | | | | | | | | | |
| | | | | **128.93 m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 2.46%/2.15m | 22.95 | 25.10 |
| 1.62%/6.90m | 49.30 | 56.20 |
| 1.12%/2.94m | 59.89 | 62.83 |
| 1.85%/2.87m | 67.78 | 70.65 |
| 1.64%/1.85m | 91.60 | 93.45 |
| 1.65%/2.20m | 118.63 | 120.83 |
| 1.44%/1.63m | 122.60 | 124.23 |

LITHIUM ONE INC.
Property : James Bay Lithium
DDH # : **JBL09-40**
Azimuth : 110° LOCATION UTM
Dip: -45° 358342 mE
Elevation: 222m 5789441 mN

LITHOLOGY

| From | To | Length (m) | Rock Code |
|---|---|---|---|
| **0.00** | **2.90** | | |
| **2.90** | **18.95** | | **M2** |
| **18.95** | **26.10** | 7.15 | **I1G** |
| **26.10** | **48.30** | | **M2** |
| **48.30** | **56.20** | 7.90 | **I1G** |
| **56.20** | **57.16** | | **M2** |
| **57.16** | **58.20** | 1.04 | **I1G** |

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|---|---|---|---|
| **58.20** | **59.89** | | **M2** |
| **59.89** | **62.83** | 2.94 | **I1G** |
| **62.83** | **66.52** | | **M2** |
| **66.52** | **66.96** | 0.44 | **I1G** |
| **66.96** | **67.78** | | **M2** |
| **67.78** | **69.90** | 2.12 | **I1G** |
| **69.90** | **70.23** | | **M2** |
| **70.23** | **70.65** | 0.42 | **I1G** |
| **70.65** | **71.18** | | **M2** |
| **71.18** | **71.41** | 0.23 | **I1G** |
| **71.41** | **72.46** | | **M2** |

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| **72.46** | **73.09** | 0.63 | **I1G** |
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| **73.09** | **90.32** | | **M2** |
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| **90.32** | **90.88** | 0.56 | **I1G** |
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| **90.88** | **91.60** | | **M1** |
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| **91.60** | **93.45** | 1.85 | **I1G** |
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| **93.45** | **109.25** | | **M1** |
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| **109.25** | **110.21** | | **V3** |
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| **110.21** | **112.45** | | **M1** |
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| **112.45** | **114.28** | 1.83 | **I1G** |
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| **114.28** | **118.63** | | **M1** |
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| **118.63** | **120.83** | 2.20 | **I1G** |
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| **120.83** | **122.60** | | **M1** |
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| **122.60** | **124.23** | 1.63 | **I1G** |
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| **124.23** | **128.93** | | **M1** |
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Start : August 12, 2009_____
End : August 13, 2009_____

Drilled by :

Logged by :
**Verified by:**

| Description | Sample # |
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| | |
| **OVERBURDEN** | |
| | |
| **METASEDIMENT** | |
| Metatexite with good mm - cm migmatitic banding. QZ , PG , BO , MV , possibly some SM . | |
| A few white mm - cm felsic veins x-cut banding. | |
| Migmatitic banding mostly parallel to subparallel to CA. | |
| | |
| **PEGMATITE (Very good section)** | |
| White, coarse, finer grained near upper contact for 25 cm, & near lower contact for 15 cm. These | **1541** |
| finer grained parts also contain fine grained MV - PH . Also near upper contact, a 3 mm layer with | **1542** |
| small dark greenish blue AP crystals. | **1543** |
| Upper contact 15˚ to CA, & lower contact 40˚ to CA. | **1544** |
| PG , large common QZ , several large & small dark grey FP . | **1545** |
| Common MV - PH in large flakes & booklets 1 - 3 cm. | **1546** |
| In the central part of this section, there are fan-shaped growths of Cleavelandite in white long | **1547** |
| lamellar crystals 2.0 - 2.5 cm long. | |
| SO ~ 10 - 12 %, very pale green to pale green, some larger crystals up to 15 x 4 cm, 10 x 4 cm. | |
| A few SO crystals show minor dark green, similar to ST , alterations. | |
| Also present yellowish green patches with finely crystalline MV - PH , EP ?, which may also | |
| represent altered SO . | |
| | |
| **METASEDIMENT** | |
| Metatexite, good migmatitic banding. QZ , PG , BO , MV , possibly some SM . | |
| Migmatitic banding parallel to CA, subparallel to CA, or at low angle to CA. | |
| Minor crenulations & minor folds. Only a few white mm - cm felsic veins. | |
| One thicker white finer grained felsic vein at 28.45 - 28.57 m, with minor small MV - PH . | |
| | |
| **PEGMATITE (Very good section)** | |
| White, coarse. Both contacts high angle to CA. | **1548** |
| PG , large common QZ , some large & small dark grey FP near upper contact. | **1549** |
| MV - PH common up to 1.0 - 1.5 cm, SO . | **1550** |
| SO ~ 15 - 17 %, very pale green to whitish, common crystals 1 - 4 cm, larger crystals 10 x 2 cm. | **1551** |
| Smaller SO crystals show good preferred orientation 30˚ - 50˚ to CA. | **1552** |
| In lower part SO very pale green to whitish, crystals subparallel to CA, or low angle to CA. | **1553** |
| 7 cm M2 enclaves at 50.70 m, & 52.35 m. | |
| | |
| **METASEDIMENT** | |
| Metatexite, good migmatitic banding. Banding at high angle to CA. Presence of minor folds. | |
| A few mm felsic veins x-cut banding. | |
| | |
| **PEGMATITE (Good section)** | |
| White, coarse. Upper contact 30˚ to CA, & lower contact 60˚ to CA. | **1554** |

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| PG , common QZ , rare dark grey FP , MV - PH , SO . | **568826** |
| SO ~ 10 - 13 %, very pale green to whitish, small crystals 0.5 - 3 cm, orientation variable. | |
| A large M2 enclave at 57.35 - 57.60 m; & two 2 - 3 cm enclaves in lower part of pegmatite. | |
| | |
| **METASEDIMENT** | |
| Same metatexite, migmatitic banding 40˚ to CA. Minor folds present. | |
| A few mm white felsic veins that x-cut banding also show ptygmatic folds. | |
| | |
| **PEGMATITE (Good section)** | |
| White, coarse, finer grained with MV for 5 cm near lower contact. | **1555** |
| Upper contact 90˚ to CA, & lower contact 40˚ to CA. | **1556** |
| PG , common QZ , some large & small dark grey FP . MV - PH up to 2 cm. | **1557** |
| SO ~ 10 - 15 %, very pale green to whitish, crystals up to 7 cm, oriented low angle to 30˚ to CA. | |
| | |
| **METASEDIMENT** | |
| Same metatexite, migmatitic banding, minor folds. Banding 25˚ - 60˚ to CA. | |
| | |
| **PEGMATITE (small but good section)** | |
| White, coarse. MV - PH in pegmatite & in M2 near both contacts. Both contacts high angle to CA. | **1558** |
| Minor large dark grey FP . | |
| SO ~ 10 - 15 %, larger crystals up to 6 cm. SO crystals oriented low angle to CA. | |
| | |
| **METASEDIMENT** | |
| Metatexite, migmatitic banding subparallel to CA. | |
| | |
| **PEGMATITE (Good section)** | |
| White, coarse. Upper & lower contacts high angle to CA. | |
| PG , QZ , some very large & others small dark grey FP , MV - PH up to 1 cm, SO . | |
| SO ~ 10 - 13 %, pale green to very pale green, large & small crystals, larger crystals 7 x 1.5 cm. | |
| SO crystals oriented 30˚ to CA. | **1559** |
| Sample-1560 contains 10 cm M2 enclave at 69.67 - 69.77 m. | **1560** |
| | |
| **METASEDIMENT** | |
| Fine grained, light grey, homogeneous, but still part of M2 . Rock has become light grey possibly | |
| due to fluids from pegmatites on both sides. | |
| | |
| **PEGMATITE** | |
| White, coarse. Both contacts high angle to CA. | **1561** |
| PG , QZ , several large & small dark grey FP , MV - PH , SO . | |
| SO ~ 5 - 7 %, pale green, crystals up to 3 - 4 cm, oriented 25˚ to CA. | |
| | |
| **METASEDIMENT** | |
| Metatexite, rocks have become light grey due to influence of fluids from surrounding pegmatites. | |
| | |
| **PEGMATITE** | |
| White, coarse in lower part, finer grained near upper contact for 7 cm. | |
| Upper & lower contacts high angle to CA. In lower part some dark grey FP . | |
| Close to upper contact, the finer grained part contains a row of tiny black TL crystals. | |
| Near lower contact several mm to 1 cm dark greenish blue AP . | |
| SO ~ 2 %, only a few scattered small crystals. | |
| | |
| **METASEDIMENT** | |
| Metatexite which have become light grey due to the influence of fluids accompanying pegmatites. | |

| | |
|---|---|
| A 1.5 cm felsic vein at 72.10 m causes development of some MV , TL , AS , PY in the vicinity. | |
| | |
| **PEGMATITE** | |
| White, coarse, minor finer grained parts. PG , QZ common, common dark grey FP , MV - PH . | |
| No visible SO . A 4 cm M2 enclave at 72.60 m. | **1562** |
| | |
| **METASEDIMENT** | |
| Metatexite - from 73.09 m to about 74.00 m the rocks remain light grey being influenced by pegmatite. | |
| Then below 74.00 m the rocks become darker grey, and where migmatitic banding becomes evident. | |
| Migmatitic banding subparallel, parallel to CA, to 30˚ to CA. Only a few mm - cm white felsic veins. | |
| | |
| **PEGMATITE** | |
| White, coarse, finer grained near contacts with MV . PG , QZ common, large dark grey FP . | **1563** |
| Some large yellowish green patches with a fan-shaped translucent pale green mineral ?. | **1564** |
| These yellowish green patches may represent completely altered SO . | |
| No visible SO . MV - PH up to 5 cm. | |
| | |
| **METASEDIMENT** | |
| Fine grained, medium grey, homogeneous type | |
| | |
| **PEGMATITE (Good section)** | |
| White, coarse. Both contacts high angle to CA. | **1565** |
| PG , common QZ , common dark grey FP near both contacts, MV - PH , SO . | **1566** |
| SO ~ 10 - 13 %, pale green, common crystals 1 - 3 cm, larger crystals 5 x 1.5 cm. | |
| Several crystals show good orientation subparallel to CA; some crystals oriented 35˚ to CA. | |
| Rare SO crystals show dark green, ST -like, alteration. | |
| Sample-1566 contains a 5 cm M1 enclave at 93.15 m. | |
| | |
| **METASEDIMENT** | |
| Fine grained, medium grey, homogeneous type. Foliation 25˚ - 40˚ to CA. | |
| A few mm - cm white felsic veins. | |
| A thicker pegmatite vein at 99.08 - 99.35 m contains 3 dark greenish blue AP < 5 mm. | |
| Pegmatite at 106.10 - 106.35 m, with both contacts high angle to CA, is an excellent example | |
| of development of SO at a high angle to the contacts of pegmatite, & it also shows that the | |
| development of SO crystals took place in the central part of the vein. Therefore, SO crystals here | |
| are subparallel to CA. SO ~ 5 %. (Sample of this complete vein kept for collection) | |
| | |
| **MAFIC VOLCANICS** | |
| Much finer grained mafic volcanics than all the previously seen such rocks. | |
| Dark green, very fine grained, with tiny mm BO phenocrysts ~ 10 % uniformly distributed. | |
| Onle a few BO phenocrysts > 5 mm. | |
| The orientation of these BO phenocrysts defines a good foliation at 60˚ to CA. | |
| | |
| **METASEDIMENT** | |
| Fine grained, medium grey, homogeneous type. | |
| A pegmatite at 111.33 - 111.69 m contains scattered SO crystals ~ 2 - 3 %. Below 111.69 m, & up to | |
| the pegmatite below which starts at 112.45 m, the M1 contains small patches of felsic material, & | |
| M1 becomes light grey with some MV , possibly caused by fluids related to pegmatites. | |
| | |
| **PEGMATITE** | |
| White, coarse, finer grained near margins. Both contacts high angle to CA. | **1567** |
| PG , QZ common, some large dark grey FP , MV - FP . SO ~ 5 %, crystals up to 3 cm. | **1568** |
| | |

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|---|---|
| **METASEDIMENT** | |
| Fine grained, medium grey, homogeneous type. Foliation 60˚ - 70˚ to CA. | |
| Small pegmatites at - 115.57 - 115.72 m some scattered SO in central part ; | |
| 116.29 - 116.36 m some scattered SO ; 117.07 - 117.12 m some scattered SO ; | |
| 118.05 - 118.09 m mostly finer grained. | |
| | |
| **PEGMATITE (Good section, large SO crystals)** | |
| White, coarse. Upper contact 30˚ to CA, & lower contact 90˚ to CA. | **1569** |
| PG , some large to very large QZ occupy spaces in between large well oriented SO crystals. | **1570** |
| MV - PH up to 1.5 cm, some in clusters. | |
| SO ~ 10 - 15 %, pale green, several large crystals up to 10 x 1.5 cm. | |
| SO crystals well oriented 25˚ - 30˚ to CA. | |
| | |
| **METASEDIMENT** | |
| Fine grained, medium grey, homogeneous type. Foliation 40˚ to CA. | |
| | |
| **PEGMATITE (Good section)** | |
| White, coarse. Upper & lower contacts 60˚ to CA. | **1571** |
| PG , common large QZ . MV - PH common, up to 1.5 cm, some in clusters. | **1572** |
| SO ~ 10 - 15 %, pale green, large & small crystals. Smaller crystals 0.5 - 3 cm. | |
| Larger crystals 6 x 1.5 cm. SO crystals well oriented 40˚ - 50˚ to CA. | |
| | |
| **METASEDIMENT** | |
| Fine grained, medium grey, homogeneous type. Pegmatite vein at 125.45 - 125.65 m. | |
| Another pegmatite vein at 128.20 - 128.45 m, finer grained at contact, both contacts high angle | |
| to CA, some SO crystals 0.5 - 1.0 cm in central part, oriented 35˚ - 40˚ to CA | |
| | |
| **128.93 m E.O.H.** | |

**ASSAY (averages) SUMMARY**

| | from |
|---|---|
| 2.46%/2.15m | 22.95 |
| 1.62%/6.90m | 49.30 |
| 1.12%/2.94m | 59.89 |
| 1.85%/2.87m | 67.78 |
| 1.64%/1.85m | 91.60 |
| 1.65%/2.20m | 118.63 |
| 1.44%/1.63m | 122.60 |

Chibougamau
Diamond Drilling
M K
**AJMc** on August 17th, 2009

| From | To | Length (m) | $Li_2O$ (%) | | | | | |
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| 18.95 | 19.95 | 1.00 | 0.03 | | | | | |
| 19.95 | 21.45 | 1.50 | 0.01 | | | | | |
| 21.45 | 22.95 | 1.50 | 0.02 | | | | | |
| STANDARD HIGH | | | 1.27 | | | | | |
| 22.95 | 24.10 | 1.15 | 3.29 | | | | | 3.79 |
| 24.10 | 25.10 | 1.00 | 1.50 | 2.46%/2.15m | 22.95 | 25.10 | 2.15 | 1.50 |
| 25.10 | 26.10 | 1.00 | 0.04 | | | | | 2.46 |
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| 48.30 | 49.30 | 1.00 | 0.70 | | | | | |
| 49.30 | 50.80 | 1.50 | 1.82 | | | | | 2.73 |
| 50.80 | 52.30 | 1.50 | 1.03 | | | | | 1.54 |
| 52.30 | 53.80 | 1.50 | 1.93 | | | | | 2.89 |
| 53.80 | 55.20 | 1.40 | 1.90 | | | | | 2.66 |
| 55.20 | 56.20 | 1.00 | 1.36 | 1.62%/6.90m | 49.30 | 56.20 | 6.90 | 1.36 |
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| 57.16 | 58.20 | 1.04 | 1.41 | | | | | |

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| DUPLICATE | | | 1.50 | | | | | |
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| 59.89 | 60.89 | 1.00 | 0.95 | | | | | 0.95 |
| 60.89 | 61.83 | 0.94 | 1.47 | | | | | 1.38 |
| 61.83 | 62.83 | 1.00 | 0.98 | 1.12%/2.94m | 59.89 | 62.83 | 2.94 | 0.98 |
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| 66.52 | 66.96 | 0.44 | 1.47 | | | | | |
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| 67.78 | 68.84 | 1.06 | 2.15 | | | | | 2.28 |
| 68.84 | 69.90 | 1.06 | 2.06 | 2.10/2.12m | 67.78 | 69.90 | 2.12 | 2.18 |
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| 70.23 | 70.65 | 0.42 | 2.05 | 1.85%/2.87% | 67.78 | 70.65 | 2.87 | 0.86 |
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| 72.46 | 73.09 | 0.63 | 0.18 | | | | | | |
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| 90.32 | 90.88 | 0.56 | 0.08 | | | | | | |
| STANDARD HIGH | | | 1.38 | | | | | | |
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| 91.60 | 92.55 | 0.95 | 1.95 | | | | | | 1.85 |
| 92.55 | 93.45 | 0.90 | 1.31 | 1.64%/1.85m | | 91.60 | 93.45 | 1.85 | 1.18 |
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| 112.45 | 113.37 | 0.92 | 0.71 | | | | | | |
| 113.37 | 114.28 | 0.91 | 0.53 | | | | | | |
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| 118.63 | 119.73 | 1.10 | 1.72 | | | | | 1.89 |
| 119.73 | 120.83 | 1.10 | 1.57 | 1.65%/2.20m | 118.63 | 120.83 | 2.20 | 1.73 |
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| 122.60 | 123.42 | 0.82 | 1.56 | | | | | 1.28 |
| 123.42 | 124.23 | 0.81 | 1.32 | 1.44%/1.63m | 122.60 | 124.23 | 1.63 | 1.07 |
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| 25.10 |
| 56.20 |
| 62.83 |
| 70.65 |
| 93.45 |
| 120.83 |
| 124.23 |

LITHIUM ONE INC.
Property : James Bay Lithium

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DDH # : | **JBL09-52** | | Start : August 18, 2009 | Drilled by : | | Chibougamau | |
| Azimuth : | 110° | LOCATION UTM | End : August 18, 2009 | | | Diamond Drilling | |
| Dip: | -45° | 358308 mE | | Logged by : | | M K | |
| Elevation: | 213m | 5789510 mN | | **Verified by:** | **AJMc** | on August 18th,2009 | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **2.35** | | | **OVERBURDEN & Broken material** | | | | | |
| | | | | | | | | | |
| **2.35** | **15.26** | 12.91 | **I1G** | **PEGMATITE (Excellent section, common large crystals)** | | | | | |
| | | | | White, coarse, finer grained near contacts. Upper contact in broken material, lower contact 70° to CA. | **1573** | 2.35 | 3.35 | 1.00 | 0.94 |
| | | | | PG , common large QZ , some large dark grey FP . MV - PH common, flakes & booklets up to 3 cm. | **1574** | 3.35 | 4.85 | 1.50 | 1.69 |
| | | | | SO ~ 25 %, pale green, large crystals common 2 - 5 cm, several larger crystals also common e.g. | **1575** | BLANK | | | <100 ppm |
| | | | | 8 x 2 cm, 12 x 3 cm, 8 x 4.5 cm. | **1576** | 4.85 | 6.35 | 1.50 | 1.64 |
| | | | | Only very small portions of some large SO crystals shoe dark green, ST - like, alteration. | **1577** | 6.35 | 7.85 | 1.50 | 1.19 |
| | | | | SO crystals oriented subparallel to CA, to 20° - 30° to CA. | **1578** | 7.85 | 9.35 | 1.50 | 1.48 |
| | | | | Rare mm scattered dark greenish blue AP crystals. | **1579** | 9.35 | 10.85 | 1.50 | 2.00 |
| | | | | | **1580** | 10.85 | 12.35 | 1.50 | 1.99 |
| | | | | | **1581** | 12.35 | 13.35 | 1.00 | 1.05 |
| | | | | | **1582** | 13.35 | 14.26 | 0.91 | 0.96 |
| | | | | | **1583** | 14.26 | 15.26 | 1.00 | 0.15 |
| | | | | | | | | | |
| **15.26** | **20.25** | | **V4** | **ULTRAMAFICS** | | | | | |
| | | | | Dark green, very homogeneous, medium grained, foliated Ultramafic rock of Pyroxenite composition. | | | | | |
| | | | | Rock may contain pyroxenes, and these may be replaced in large part by TM - AC , HB , BO - PH . | | | | | |
| | | | | TM - AC crystals < 5 mm, randomly oriented. Good foliation shown by mm BO - PH , AM . | | | | | |
| | | | | Foliation varies between subparallel to CA, to 20° to CA. | | | | | |
| | | | | A few ~ 7 cm finer grained felsic veins; there is minor reaction between felsic material & | | | | | |
| | | | | the ultramafic rock. | | | | | |
| | | | | | | | | | |
| **20.25** | **27.82** | 7.57 | **I1G** | **PEGMATITE (Very good section)** | | | | | |
| | | | | White, coarse, finer grained near both contacts for about 20 cm. Both contacts high angle to CA. | **1584** | 20.25 | 21.25 | 1.00 | 0.20 |
| | | | | Very large dark grey FP from near 22.00 m to 23.00 m, this part contains only rare SO . | **1585** | STANDARD LOW | | | 0.79 |
| | | | | PG , large common QZ . MV - PH common, larger flakes & booklets up to 1.5 - 2.5 cm. | **1586** | 21.25 | 22.75 | 1.50 | 0.44 |
| | | | | SO ~15 % overall, because in some parts SO is rare. | **1587** | 22.75 | 24.25 | 1.50 | 1.86 |
| | | | | Pale green SO crystals 2 - 5 cm common. Several larger crystals e.g. 7 x 4 cm, 4 x 2 cm. | **1588** | 24.25 | 25.75 | 1.50 | 1.86 |
| | | | | SO crystals show variable orientations - subparallel to CA, to 35° to CA, & some crystals are at | **1589** | 25.75 | 26.82 | 1.07 | 1.60 |
| | | | | high angle to CA. | **1590** | 26.82 | 27.82 | 1.00 | 0.40 |
| | | | | Rare SO crystals show partial dark green, ST - like, alteration. | | | | | |
| | | | | Rare scattered < 5 mm AP crystals. | | | | | |
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| **27.82** | **37.94** | | **V4** | **ULTRAMAFICS** | | | | | |
| | | | | Same dark green, very homogeneous, fine to medium grained, foliated, pyroxenite in composition. | | | | | |
| | | | | Foliation varies from subparallel to CA, to 35° to CA. | | | | | |

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|---|---|---|---|---|---|---|---|---|---|
| | | | | Only a few mm - cm felsic veins, which show contact reaction with the ultramafic rock. | | | | | |
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| **37.94** | **39.70** | 1.76 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse. Both contacts nearly 90˚ to CA. | **1591** | 37.94 | 38.82 | 0.88 | 0.02 |
| | | | | PG , QZ very common dark smoky, a few large dark grey FP , MV - PH common. | **1592** | 38.82 | 39.70 | 0.88 | 0.02 |
| | | | | No visible SO , but several yellowish green patches present which may represent completely | | | | | |
| | | | | replaced SO crystals. | | | | | |
| | | | | | | | | | |
| **39.70** | **49.41** | | **V4** | **ULTRAMAFICS** | | | | | |
| | | | | Same dark green, very homogeneous, foliated, pyroxenite in composition. | | | | | |
| | | | | Foliation subparallel to CA, to 45˚ to CA. | | | | | |
| | | | | A few cm pegmatite veins at 40.41 - 40.71 m; 41.20 - 41.25 m; & a 2.5 cm felsic vein at 41.97 m. | | | | | |
| | | | | | | | | | |
| **49.41** | **50.92** | 1.51 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, finer grained near contacts for a few cm. | **1593** | 49.41 | 50.92 | 1.51 | 0.06 |
| | | | | Upper contact 70˚ to CA, & lower contact 20˚ to CA. | | | | | |
| | | | | PG , common QZ , minor dark grey FP , MV - PH , SO . | | | | | |
| | | | | SO ~ 3 %, has a rather dark greyish green colour, crystals up to 2 - 3 cm. | | | | | |
| | | | | Minor Cleavelandite - very white, fan-shaped, accicular crystals - in the vicinity of some SO . | | | | | |
| | | | | | | | | | |
| **50.92** | **87.00** | | **V3** | **MAFIC VOLCANICS & ULTRAMAFICS** | | | | | |
| | | | | The rocks called earlier Ultramafics start to look like Mafic volcanics, characterized by mafic | | | | | |
| | | | | phenocrysts set in a fine grained green matrix. | | | | | |
| | | | | The mafic phenocrysts, 25 - 30 %, possibly include BO , AM , PX . | | | | | |
| | | | | The orientation of these mafic phenocrysts defines a good foliation. | | | | | |
| | | | | Foliation subparallel to CA, to low angle 25˚ to CA. | | | | | |
| | | | | | | | | | |
| | | | | **87.00 m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.50%/11.91m | 2.35 | 14.26 |
| 1.79%/4.07m | 22.75 | 26.82 |

LITHIUM ONE INC.
Property : James Bay Lithium
DDH # : **JBL09-53** Start : August 19, 2009
Azimuth : 110° LOCATION UTM End : August 20, 2009
Dip: -45° 358305 mE
Elevation: 217m 5789477 mN

Drilled by : Chibougamau Diamond Drilling
Logged by : M K
**Verified by:** **AJMc** on August 20th,2009

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **2.00** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **2.00** | **8.57** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Metatexite, mobilizate in mm - cm layers. Migmatitic banding parallel, to subparallel to CA. | | | | | |
| | | | | | | | | | |
| **8.57** | **9.10** | 0.53 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse. Both contacts 30° to CA. PG , QZ , common dark grey FP , no visible SO . | **1594** | 8.57 | 9.10 | 0.53 | 0.04 |
| | | | | A 3 cm enclave of M2 . | | | | | |
| | | | | | | | | | |
| **9.10** | **12.86** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, homogeneous type. Foliation subparallel to CA. | | | | | |
| | | | | | | | | | |
| **12.86** | **13.53** | 0.67 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White, coarse. Both contacts at high angle to CA. PG , QZ some large QZ in lower part, SO . | **1595** | 12.86 | 13.53 | 0.67 | 1.15 |
| | | | | Common MV - PH , some up to 3 cm. Several dark grey FP . | **568827** | DUPLICATE | | | 2.22 |
| | | | | In upper part at 13.02 - 13.10 m a zone containing lot of TL in narrow layers at high angle to CA, | | | | | |
| | | | | **TL crystals < 5 mm. (Check for B values in Chemical Analysis)** | | | | | |
| | | | | In lower part of pegmatite 2 very large SO crystals 20 x 6 cm, 9 x 4 cm ; & 1 smaller 4 x 3 cm. | | | | | |
| | | | | Therefore, SO ~ 20 %. | | | | | |
| | | | | | | | | | |
| **13.53** | **14.00** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, homogeneous type. Foliation subparallel to CA. | | | | | |
| | | | | | | | | | |
| **14.00** | **32.18** | 18.18 | **I1G** | **PEGMATITE (Excellent section, very large SO crystals)** | | | | | |
| | | | | White, coarse, finer grained near contacts only for a few cm. | **1596** | 14.00 | 15.00 | 1.00 | 0.54 |
| | | | | Upper contact 40° to CA, & lower contact with Feldspar Porphyry at high angle to CA. | **1597** | 15.00 | 16.50 | 1.50 | 1.86 |
| | | | | PG , large common QZ , a few very large dark grey FP , MV - PH common, SO common. | **1598** | 16.50 | 18.00 | 1.50 | 3.27 |
| | | | | MV - PH common flakes & booklets up to 2 - 3 cm, some in clusters. | **1599** | 18.00 | 19.50 | 1.50 | 2.69 |
| | | | | SO ~ 20 - 25 %, good section for large to very large SO crystals, pale green. | **1600** | 19.50 | 21.00 | 1.50 | 1.27 |
| | | | | Common SO crystals 1 - 4 cm. Also common larger crystals e.g. 11 x 3.5 cm, 10 x 4 cm, 9 x 3.5 cm. | **1601** | 21.00 | 22.50 | 1.50 | 1.48 |
| | | | | SO crystals show good preferred orientation - parallel, subparallel, to 25° - 30° to CA. | **1602** | 22.50 | 24.00 | 1.50 | 1.71 |
| | | | | In upper part of pegmatite in 2 zones - (1) at contact with M1 between 14.00 - 14.10 m, & | **1603** | 24.00 | 25.50 | 1.50 | 1.88 |
| | | | | (2) between 14.45 - 14.68 m - there is good development of TL , mm - cm crystals, in narrow | **1604** | 25.50 | 27.00 | 1.50 | 1.75 |
| | | | | parallel layers. The lower TL zone possibly developed on both sides of an enclave of M1 . | **1605** | STANDARD HIGH | | | 1.32 |
| | | | | (Sample-1596 - Check for B values in Chemical Analysis) | **1606** | 27.00 | 28.50 | 1.50 | 1.59 |
| | | | | | **1607** | 28.50 | 30.00 | 1.50 | 2.78 |
| | | | | | **1608** | 30.00 | 31.18 | 1.18 | 1.57 |

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|---|---|---|---|---|---|---|---|---|---|
| | | | | | **1609** | 31.18 | 32.18 | 1.00 | 1.53 |
| | | | | | | | | | |
| **32.18** | **33.38** | | **V1** | **FELDSPAR PORPHYRY** | | | | | |
| | | | | Light grey, fine grained, porphyric with small, < 5 mm, PG phenocrysts set in fine grained felsic matrix. | | | | | |
| | | | | There is development of TL - rich zones, 2 - 4 cm thick, in some places. | | | | | |
| | | | | There are TL - rich zones at contact of Feldspar Porphyry with pegmatite at top & bottom | | | | | |
| | | | | of porphyry. In addition, there are TL - rich zoes surrounding small cm felsic veins present within the | | | | | |
| | | | | porphyry. In addition, scattered TL is present elsewhere also in porphyry. | | | | | |
| | | | | TL mm to 1 cm. Minor MV . | | | | | |
| | | | | | | | | | |
| **33.38** | **38.12** | 4.74 | **I1G** | **PEGMATITE (Excellent section)** | | | | | |
| | | | | Same pegmatite as 14.00 - 32.18 m, separated by presence of Feldspar Porphyry at 32.18 - 33.38 m. | | | | | |
| | | | | Therefore same description applies to this pegmatite also. | **1610** | 33.38 | 34.38 | 1.00 | 0.89 |
| | | | | SO ~ 20 - 25 %, very pale green, large SO crystals. Common MV - PH . | **1611** | 34.38 | 35.88 | 1.50 | 1.09 |
| | | | | Sample-1612 contains M1 enclave at 37.03 - 37.07 m, minor TL . (Check for B values in Analysis) | **1612** | 35.88 | 37.12 | 1.24 | 1.59 |
| | | | | Sample-1613 contains M1 enclave at 37.84 - 37.93 m, development of TL . „ „ | **1613** | 37.12 | 38.12 | 1.00 | 0.97 |
| | | | | | | | | | |
| **38.12** | **46.15** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium to light grey, homogeneous type. Foliation 50° to CA. | | | | | |
| | | | | A few mm - cm white felsic veins, some show ptygmatic folds. | | | | | |
| | | | | | | | | | |
| **46.15** | **51.18** | 5.03 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White, coarse. Both contacts at high angle to CA. | **1614** | 46.15 | 47.15 | 1.00 | 1.61 |
| | | | | PG , common QZ , some large & small dark grey FP , MV - PH common, SO . | **1615** | 47.15 | 48.65 | 1.50 | 1.70 |
| | | | | MV - PH very common, flakes & booklets up to 2.5 cm. | **1616** | BLANK | | | <100 ppm |
| | | | | SO ~ 10 - 15 %, pale to very pale green, some with dark green alteration. | **1617** | 48.65 | 50.18 | 1.53 | 2.06 |
| | | | | Both large & small crystals. Larger crystals up to 5 x 3 cm. Smaller crystals also occur in clusters. | **1618** | 50.18 | 51.18 | 1.00 | 1.15 |
| | | | | 2 colours of SO in places - when fresh SO is very pale green. Altered SO becomes dark greenish | | | | | |
| | | | | where small relics of original pale green SO may be preserved. | | | | | |
| | | | | SO crystals oriented 30° to CA. | | | | | |
| | | | | Sample-1614 contains M1 between 46.37 - 46.64 m, some TL in upper part. (Check B values) | | | | | |
| | | | | | | | | | |
| **51.18** | **56.09** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, homogeneous type. | | | | | |
| | | | | A few mm - cm white felsic veins. Thicker pegmatite veins at 53.38 - 53.45 m; 55.02 - 55.20 m. | | | | | |
| | | | | Minor MV , TL in M1 near these veins. | | | | | |
| | | | | | | | | | |
| **56.09** | **57.31** | 1.22 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White, coarse. Both contacts high angle to CA. | **1619** | 56.09 | 57.31 | 1.22 | 2.26 |
| | | | | PG , QZ , large & small dark grey FP , MV - PH < 1 cm, SO . | | | | | |
| | | | | SO ~ 10 - 12 %, crystals commonly 1 - 3 cm, larger crystals up to 6 x 2 cm. | | | | | |
| | | | | SO crystals well oriented 10° - 30° to CA. | | | | | |
| | | | | | | | | | |
| **57.31** | **58.50** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same homogeneous type. 2 small 2 cm & 5 cm felsic veins respectively at 57.65 m & 58.06 m. | | | | | |
| | | | | In both cases there is development of TL , MV in adjoining M1 for a few cm. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|
| **58.50** | **62.21** | 3.71 | **I1G** | **PEGMATITE (Very good section)** | | | | | |
| | | | | White, coarse. Both contacts high angle to CA. | **1620** | 58.50 | 59.50 | 1.00 | 1.66 |
| | | | | PG , large common QZ , some large & small dark grey FP , MV - PH common up to 2.5 cm, SO . | **1621** | 59.50 | 60.50 | 1.00 | 3.06 |
| | | | | SO ~ 15 - 17 %, pale green, numerous large crystals e.g. 7 x 3 cm, 5 x 1.5 cm, | **1622** | 60.50 | 61.21 | 0.71 | 2.32 |
| | | | | smaller crystals 1 - 2 cm in clusters. SO crystals oriented 25° - 30° to CA. | **1623** | 61.21 | 62.21 | 1.00 | 1.05 |
| | | | | Very rare dark greenish blue AP . | | | | | |
| | | | | | | | | | |
| **62.21** | **63.11** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, homogeneous type. | | | | | |
| | | | | Very minor development of MV , TL in M1 adjoining pegmatite. | | | | | |
| | | | | | | | | | |
| **63.11** | **63.68** | 0.57 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, finer grained near contacts, with minor MV . Both contacts at high angle to CA. | **1624** | 63.11 | 63.68 | 0.57 | 0.58 |
| | | | | Some finer grained material in the interior of vein also. PG , QZ , minor small MV - PH . | | | | | |
| | | | | Very minor SO ~ 3 %, also some yellowish green patches which may represent altered SO . | | | | | |
| | | | | | | | | | |
| **63.68** | **69.34** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, homogeneous type. | | | | | |
| | | | | A few thick pegmatite veins too small to sample, but they contain some SO . The M1 in the vicinity | | | | | |
| | | | | of these pegmatite veins develops minor MV , TL , & M1 becomes lighter grey. | | | | | |
| | | | | Pegmatite veins - (1) at 64.48 - 64.70 m, contains SO ~ 3 %, crystals ~ 1 cm, some crystals | | | | | |
| | | | | show dark green alteration & relic SO . | | | | | |
| | | | | (2) at 65.13 - 65.26 m, finer grained margins for ~ 5 mm, both contacts at high angle to CA. | | | | | |
| | | | | coarser parts contain SO ~ 5 %, crystals 0.5 - 1 cm. Good example of pegmatite where SO crystals | | | | | |
| | | | | develop perpendicular to the margins of pegmatite. (Here pegmatite contacts are at high angle to CA, | | | | | |
| | | | | therefore SO crystals are parallel to CA). (Sample kept for collection). | | | | | |
| | | | | (3) at 65.32 - 65.54 m, contains SO ~ 3 %, very pale green. | | | | | |
| | | | | (4) at 68.00 - 68.34 m, contains SO ~ 3 - 5 % including altered SO . SO shows dark greenish | | | | | |
| | | | | alterations, some ST -like in colour. Development of TL , MV for ~ 5 cm on both sides in M1. | | | | | |
| | | | | | | | | | |
| **69.34** | **79.62** | 10.28 | **I1G** | **PEGMATITE (Very good section)** | | | | | |
| | | | | White, coarse. Upper contact high angle to CA, & lower contact 50° to CA. | **1625** | 69.34 | 70.34 | 1.00 | 1.48 |
| | | | | PG , QZ large common, several large dark grey FP . | **1626** | STANDARD LOW | | | 0.88 |
| | | | | MV - PH common, flakes & booklets up to 2.0 cm, occur in clusters in places. | **1627** | 70.34 | 71.84 | 1.50 | 1.99 |
| | | | | SO ~ 15 - 17 %, very pale green to whitish, common large long crystals e.g. 10 x 1 cm, 7 x 1.5 cm. | **1628** | 71.84 | 73.34 | 1.50 | 2.54 |
| | | | | Common SO crystals 2 - 3 cm. SO crystals well oriented subparallel to CA, to 20° - 25° to CA. | **1629** | 73.34 | 74.84 | 1.50 | 1.89 |
| | | | | | **1630** | 74.84 | 76.34 | 1.50 | 2.02 |
| | | | | | **1631** | 76.34 | 77.48 | 1.14 | 1.50 |
| | | | | | **1632** | 77.48 | 78.62 | 1.14 | 1.29 |
| | | | | | **1633** | 78.62 | 79.62 | 1.00 | 1.73 |
| | | | | | | | | | |
| **79.62** | **84.25** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, homogeneous type. Foliation 30° to CA. | | | | | |
| | | | | Some thick pegmatite veins, which are not large enough to sample, but they contain minor SO . | | | | | |
| | | | | M1 in contact with these veins tends to become lighter grey, develops some MV , TL for a distance | | | | | |
| | | | | of up to a few cm. | | | | | |
| | | | | Pegmatite veins - (1) at 80.66 - 80.82 m, contains minor altered SO , some show ST -like | | | | | |
| | | | | dark green alteration. Other yellowish green patches could also have been SO before alteration. | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | (2) at 81.60 - 81.70 m, contains SO ~ 2 %, pale green, fresh, crystals < 1.5 cm. M1 on both sides | | | | | |
| | | | | of the vein develops MV , TL . | | | | | |
| | | | | (3) at 81.90 m a 2 cm vein develops MV , TL in M1 . | | | | | |
| | | | | (4) at 82.44 - 82.67 m, contains one SO crystal 3 cm greenish. Development of MV , TL in M1 | | | | | |
| | | | | for ~ 5 cm on both sides of the vein. | | | | | |
| | | | | (5) at 82.83 - 82.91 m, contains rare pale green partly altered SO . M1 on both sides of the vein | | | | | |
| | | | | develops MV , TL for ~ 5 cm. | | | | | |
| | | | | | | | | | |
| **84.25** | **85.55** | 1.30 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White, coarse. Both contacts at high angle to CA. PG , QZ , MV - PH up to 2 cm, SO . | **1634** | 84.25 | 85.55 | 1.30 | 2.60 |
| | | | | SO ~ 10 - 15 %, very pale green, SO crystals 2 - 4 cm common, larger crystals 7 x 1 cm, 6 x 3 cm. | | | | | |
| | | | | SO crystals well oriented parallel - subparallel to CA. | | | | | |
| | | | | M1 on both sides of vein develops MV , TL for a few cm. | | | | | |
| | | | | | | | | | |
| **85.55** | **87.10** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, homogeneous type. | | | | | |
| | | | | Becomes lighter grey & develops MV , TL for a few cm in the vicinity of pegmatites. | | | | | |
| | | | | | | | | | |
| **87.10** | **87.55** | 0.45 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White, coarse. Both contacts 25° to CA. PG , QZ , minor dark grey FP , MV - PH , SO . | **1635** | 87.10 | 87.55 | 0.45 | 2.60 |
| | | | | SO ~ 10 - 15 %, very pale green to whitish, 2 - 5 cm crystals common. | | | | | |
| | | | | SO crystals well oriented 30° to CA. | | | | | |
| | | | | On both sides of pegmatite, M1 develops MV , TL for > 15 cm. | | | | | |
| | | | | M1 near lower contact of pegmatite becomes whitish grey. | | | | | |
| | | | | | | | | | |
| **87.55** | **89.72** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained. Whitish grey due to the influence of fluids from the pegmatites surrounding these rocks. | | | | | |
| | | | | Foliation 40° to CA. | | | | | |
| | | | | | | | | | |
| **89.72** | **92.22** | 2.50 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White, coarse. Both contacts high angle to CA. PG , QZ , MV - PH common up to 1.5 cm, SO . | **1636** | 89.72 | 90.97 | 1.25 | 1.79 |
| | | | | SO ~ 10 - 15 % pale green, crystals up to 5 cm. Rare crystals show dark green alteration. | **568828** | DUPLICATE | | | 1.66 |
| | | | | SO crystals oriented subparallel to CA, to low angle to CA. | **1637** | 90.97 | 92.22 | 1.25 | 2.30 |
| | | | | | | | | | |
| **92.22** | **122.75** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained,medium grey, homogeneous type. Foliation 40° to CA, to subparallel to CA. | | | | | |
| | | | | A few mm - cm felsic veins. | | | | | |
| | | | | Some thicker pegmatite veins which were not sampled because of their limited extent. | | | | | |
| | | | | Pegmatite veins at - 94.35 - 94.94 m; 96.73 - 96.81 m; 99.00 - 99.47 m; 101.51 - 101.85 m; | | | | | |
| | | | | 101.95 - 102.25 m. These veins may be finer grained near contacts. They may contain rare | | | | | |
| | | | | SO crystals, or its alterations. | | | | | |
| | | | | Other pegmatite veins at - 105.24 - 105.32 m; 108.75 - 108.83 m; 113.10 - 113.38 m (contains M1 | | | | | |
| | | | | enclaves 4 cm); 115.37 - 115.61 m ( contains ~ 2 % SO ); 118.52 - 118.71 (minor greenish altering | | | | | |
| | | | | SO , & blue AP crystals < 5 mm near lower contact) | | | | | |
| | | | | | | | | | |
| **122.75** | **125.83** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Dark green, very fine matrix containing less than usual BO phenocrysts ~ 5 - 7 %. Foliation 40° to CA. | | | | | |
| | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|
| **125.83** | **126.20** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same homogeneous type. Foliation subparallel to CA. | | | | | |
| | | | | | | | | | |
| **126.20** | **132.22** | 6.02 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White, coarse. Upper contact high angle to CA, & lower contact 40° to CA. | | | | | |
| | | | | PG , common QZ , large & small dark grey FP , enclaves of M1 up to 15 cm, MV - PH up to 1 cm, SO . | | | | | |
| | | | | SO ~ 10 - 15 %, common crystals 1 - 4 cm, one large crystal 10 x 4 cm. | | | | | |
| | | | | SO crystals oriented subparallel to CA, to 30° to CA. | | | | | |
| | | | | In a QZ - rich zone with large QZ there are a few dark greenish blue AP < 5 mm. | | | | | |
| | | | | Sample-1638 contains M1 enclaves - 6.0 cm, 1.5 cm. | **1638** | 126.20 | 127.20 | 1.00 | 0.31 |
| | | | | Sample-1639 contains M1 enclaves - 7.0 cm, 15.0 cm. | **1639** | 127.20 | 128.70 | 1.50 | 0.71 |
| | | | | | **1640** | 128.70 | 130.20 | 1.50 | 1.35 |
| | | | | Sample-1641 contains M1 enclave - 3.5 cm. | **1641** | 130.20 | 131.22 | 1.02 | 0.64 |
| | | | | | **1642** | 131.22 | 132.22 | 1.00 | 1.37 |
| | | | | | | | | | |
| **132.22** | **152.00** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same homogeneous type. Foliation 30° - 40° to CA. A few mm - cm felsic veins. | | | | | |
| | | | | Some thicker pegmatite veins at - 140.00 - 140.38 m (predominently large greyish QZ); | | | | | |
| | | | | 142.93 - 143.23 m (with fine grained margins); 148.10 - 148.25 m; 150.53 - 150.63 m. | | | | | |
| | | | | | | | | | |
| **152.00** | **154.00** | 2.00 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White, coarse. Upper & lower contacts 90° to CA. | **1643** | 152.00 | 153.00 | 1.00 | 1.40 |
| | | | | PG , QZ , minor dark grey FP . M1 enclaves - 2 cm, 5 cm, 3 cm. MV - PH < 5 mm, SO . | **1644** | 153.00 | 154.00 | 1.00 | 1.44 |
| | | | | SO ~ 15 %, very pale green, commonly small crystals 1 - 3 cm, some crystals in clusters. | | | | | |
| | | | | SO crystals well oriented from subparallel, to 25° to CA. | | | | | |
| | | | | Sample-1643 contains M1 enclaves - 2 cm, 5 cm, 3 cm. | | | | | |
| | | | | | | | | | |
| **154.00** | **154.98** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same homogeneous type. Pegmatite vein at 154.28 - 154.38 m, contains SO ~ 10 - 12 %, | | | | | |
| | | | | very pale green to whitish, crystals 1 - 3 cm, oriented 35° to CA. | | | | | |
| | | | | A few mm dark greenish blue AP near contact & elsewhere in pegmatite. | | | | | |
| | | | | M1 near vein develops MV . | | | | | |
| | | | | | | | | | |
| **154.98** | **162.15** | 7.17 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White, coarse. Both contacts high angle to CA. | **1645** | 154.98 | 155.98 | 1.00 | 1.69 |
| | | | | PG , QZ common - very large in parts. MV - PH common, up to 3 cm, form clusters in places. | **1646** | STANDARD HIGH | | | 1.32 |
| | | | | A fe large dark grey FP . | **1647** | 155.98 | 157.48 | 1.50 | 1.53 |
| | | | | SO ~ 15 %, common slender crystals 1 - 3 cm, very well oriented 40° to CA. | **1648** | 157.48 | 158.98 | 1.50 | 1.28 |
| | | | | In ares with very large QZ, SO crystals are much larger, e.g. 4 x 3.5 cm, 4 x 2.5 cm. | **1649** | 158.98 | 160.48 | 1.50 | 1.62 |
| | | | | Very rare mm AP . | **1650** | 160.48 | 161.15 | 0.67 | 1.63 |
| | | | | | **1651** | 161.15 | 162.15 | 1.00 | 1.60 |
| | | | | | | | | | |
| **162.15** | **171.00** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same homogeneous type. Some pegmatite veins at - 163.48 - 163.76 m (only rare small SO ); | | | | | |
| | | | | 165.80 - 166.04 m; 167.07 - 167.50 m; 167.75 - 168.05 m (only rare small SO ). | | | | | |
| | | | | | | | | | |
| | | | | **171.00 m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.97%/17.18m | 15.00 | 32.18 |
| 1.15%/4.74m | 33.38 | 38.12 |
| 1.68%/5.03m | 46.15 | 51.18 |
| 2.00%/3.71m | 58.50 | 62.21 |
| 1.85%/10.28m | 69.34 | 79.62 |
| 2.05%/2.50m | 89.72 | 92.22 |
| 1.15%/3.52m | 128.70 | 132.22 |
| 1.42%/2.00m | 152.00 | 154.00 |
| 1.54%/7.17m | 154.98 | 162.15 |

LITHIUM ONE INC.
Property :James Bay Lithium

DDH # : **JBL09-54** Start : August 21, 2009
Azimuth : 110° LOCATION UTM End : September 3, 2009
Dip: -45° 358240 mE
Elevation: 217m 5789511 mN

Drilled by : Chibougamau Diamond Drilling
Logged by : M K
**Verified by:** **AJMc** on August 17th, 2009

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **5.15** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **5.15** | **11.66** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey Metatexite. Mobilizate less than normal. Migmatitic banding & strong | | | | | |
| | | | | foliation subparallel to CA. At 7.23 - 7.37 finer grained equivalent of pegmatite vein rich in finely | | | | | |
| | | | | crystalline MV , both contacts of vein 45° to CA. | | | | | |
| | | | | | | | | | |
| **11.66** | **14.37** | 2.71 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White, coarse, finer grained material near contact contains MV . | **1652** | 11.66 | 13.01 | 1.35 | 0.53 |
| | | | | PG , large common QZ , minor dark grey FP . Large & small MV flakes & booklets, up to 3 cm. | **1653** | 13.01 | 14.37 | 1.36 | 1.27 |
| | | | | SO ~ 7 - 10 %, pale green, large & small crystals. Larger SO occur in central part of pegmatite, | | | | | |
| | | | | larger crystals e.g. 7 x 3 cm, 5 x 3 cm, elsewhere crystals 1 - 4 cm. | | | | | |
| | | | | Several smaller SO crystals show alterations that lead to yellowish green patches probably with | | | | | |
| | | | | MV - PH - PG , but here small preserved relics of unaltered SO are observable. | | | | | |
| | | | | SO crystals generally oriented subparallel to CA. | | | | | |
| | | | | | | | | | |
| **14.37** | **29.85** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Metatexite with less mobilizate than normal. Migmatitic banding subparallel to CA. | | | | | |
| | | | | Minor mm - cm white felsic veins. A thicker pegmatite at 25.70 - 26.20 m, finer grained at both | | | | | |
| | | | | contacts for ~ 10 cm & contains MV . Random 5 mm flakes in M2 near pegmatite contacts. | | | | | |
| | | | | | | | | | |
| **29.85** | **30.53** | 0.68 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, several alternating fine grained parts & coarser parts, both about 1 cm thick. | **1654** | 29.85 | 30.53 | 0.68 | 0.03 |
| | | | | Large dark grey FP in centre. Rock might have contained rare SO , but now only yellowish green | | | | | |
| | | | | patches, which are possibly alteration products, are left. | | | | | |
| | | | | 5 mm slender randomly oriented MV flakes present in M2 near contact with pegmatite. | | | | | |
| | | | | | | | | | |
| **30.53** | **53.20** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Metatexite, rather less mobilizate up to ~ 37 m. Then between 37 m - 42 m there is more usual | | | | | |
| | | | | amount of mobilizate. Then after 42 m again less mobilizate. Migmatitic banding subparallel to CA. | | | | | |
| | | | | In minor places banding is at a higher angle to CA, possibly due to folding. | | | | | |
| | | | | Minor mm - cm white felsic veins. Some thicker pegmatite veins at - (1) 32.90 - 33.33 m fine grained | | | | | |
| | | | | at contacts, coarser interior. May have contained rare SO, but now only alteration products remain. | | | | | |
| | | | | (2) 40.48 - 40.67 m white, coarse, finer grained at contacts, may have contained a little SO , | | | | | |
| | | | | but now altered. (3) 42.50 - 43.05 m alternating fine grained parts & coarser parts. Might have | | | | | |
| | | | | contained ~ 3 % SO , but now altered. In a few grains dark green ST -like alteration seen. | | | | | |
| | | | | (4) 47.25 - 47.44 m finer grained near contacts, only minor central part is coarser. Might have | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | contained rare SO . | | | | | |
| | | | | | | | | | |
| **53.20** | **54.55** | | **V1** | **FELDSPAR PORPHYRY** | | | | | |
| | | | | Light grey, very fine grained matrix, with mm white PG phenocrysts ~ 10 - 15 % uniformly distributed. | | | | | |
| | | | | The porphyry & M2 above it both contain minor ~ 2 % fine disseminated PY , AS . | | | | | |
| | | | | | | | | | |
| **54.55** | **56.03** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Greenish, fine grained with uniformly distributed BO phenocrysts < 5 mm, ~ 10 - 15 %. | | | | | |
| | | | | Foliation 40° to CA. A pegmatite vein at 55.07 - 55.25 m, contains rare SO , 1.5 cm. | | | | | |
| | | | | | | | | | |
| **56.03** | **63.76** | 7.73 | **I1G** | **PEGMATITE (Very good section)** | | | | | |
| | | | | White, coarse. Both contacts at high angle to CA. PG , large common QZ , some large dark grey FP . | **1655** | 56.03 | 57.03 | 1.00 | 1.97 |
| | | | | Very common MV - PH flakes & booklets up to 3.0 - 3.5 - 5.0 cm, in places they occur in clusters. | **1656** | 57.03 | 58.53 | 1.50 | 1.78 |
| | | | | SO ~ 15 - 20 % or more, pale green to very pale green, common large & small crystals, | **1657** | BLANK | | | <100 ppm |
| | | | | common crystals up to 4 cm, larger crystals e.g. 15 x 6 cm, 12 x 4 cm, 7 x 2.5 cm. | **1658** | 58.53 | 60.03 | 1.50 | 2.24 |
| | | | | SO crystals with very good consistent preferred orientation 40° - 20° to CA. | **1659** | 60.03 | 61.40 | 1.37 | 2.24 |
| | | | | Several scattered dark bluish AP crystals up to 1 cm. | **1660** | 61.40 | 62.76 | 1.36 | 1.12 |
| | | | | | **1661** | 62.76 | 63.76 | 1.00 | 2.63 |
| | | | | | | | | | |
| **63.76** | **64.62** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Greenish, fine grained, foliated, with mm BO phenocrysts. Very minor < 1 % small scattered AS . | | | | | |
| | | | | Miner interaction with pegmatite near both contacts. | | | | | |
| | | | | | | | | | |
| **64.62** | **65.28** | 0.66 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, fine grained near contacts. Both contacts 50° to CA. | **1662** | 64.62 | 65.28 | 0.66 | 1.32 |
| | | | | PG , small gre common QZ , several dark grey FP , MV - PH , SO . | | | | | |
| | | | | SO ~ 10 %,pale green, small crystals < 2 cm, very minor yellowish green alterations of small parts | | | | | |
| | | | | of SO crystals. SO crystals oriented 30° to CA. | | | | | |
| | | | | | | | | | |
| **65.28** | **65.94** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Greenish, fine grained, foliated, with mm BO phenocrysts. Minor interaction with surrounding | | | | | |
| | | | | pegmatites leads to development of minor MV in rock. Rare scattered AS grains. | | | | | |
| | | | | | | | | | |
| **65.94** | **85.00** | 19.06 | **I1G** | **PEGMATITE (Very good section, large SO crystals)** | | | | | |
| | | | | This pegmatite is continuation of the pegmatite at 56.03 - 63.76 m, only separated by small sections | **1663** | 65.94 | 66.94 | 1.00 | 1.59 |
| | | | | of Mafic Volcanics described above. Therefore, same description applies here also. | **1664** | 66.94 | 68.44 | 1.50 | 1.46 |
| | | | | Upper contact 40° & lower contact at high angle to CA. | **1665** | 68.44 | 69.94 | 1.50 | 1.89 |
| | | | | PG , QZ large & small, large common dark grey FP - some up to 20 cm patches. | **1666** | 69.94 | 71.44 | 1.50 | 1.24 |
| | | | | MV - PH up to 2 - 3 cm, common, some occur in clusters. | **1667** | STANDARD LOW | | | 0.85 |
| | | | | SO ~ 15 - 20 %, pale greenish to whitish, abundant large crystals, crystals up to 10 cm. | **1668** | 71.44 | 72.94 | 1.50 | 1.39 |
| | | | | Both large & small SO crystals show good orientation 25° - 30° to CA. | **1669** | 72.94 | 74.44 | 1.50 | 2.01 |
| | | | | Rare white radial Cleavelandite crystals over a distance of 15 cm. | **1670** | 74.44 | 75.94 | 1.50 | 0.85 |
| | | | | | **1671** | 75.94 | 77.44 | 1.50 | 1.72 |
| | | | | | **1672** | 77.44 | 78.94 | 1.50 | 1.43 |
| | | | | | **1673** | 78.94 | 80.44 | 1.50 | 1.92 |
| | | | | | **1674** | 80.44 | 81.94 | 1.50 | 1.45 |
| | | | | | **1675** | 81.94 | 82.97 | 1.03 | 1.30 |
| | | | | | **1676** | 82.97 | 84.00 | 1.03 | 2.22 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | **1677** | 84.00 | 85.00 | 1.00 | 1.58 |
| | | | | | **568829** | DUPLICATE | | | 2.06 |
| | | | | | | | | | |
| **85.00** | **85.72** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, homogeneous type. Foliation 30° to CA. | | | | | |
| | | | | | | | | | |
| **85.72** | **86.30** | 0.58 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, less coarse. Upper contact 40° to CA, MV in M1 . Lower contact at high angle to CA. | **1678** | 85.72 | 86.30 | 0.58 | 1.13 |
| | | | | PG , QZ , common small dark grey FP , smal MV - PH , SO . | | | | | |
| | | | | SO ~ 5 %, small crystals < 2.5 cm, some crystals with partial yellowish green alterations. | | | | | |
| | | | | | | | | | |
| **86.30** | **87.74** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same fine grained, homogeneous type. Foliation 30° to CA. | | | | | |
| | | | | | | | | | |
| **87.74** | **90.85** | 3.11 | **I1G** | **PEGMATITE (Very good section)** | | | | | |
| | | | | White, coarse, finer grained near contacts for ~ 5 cm. | **1679** | 87.74 | 88.74 | 1.00 | 1.63 |
| | | | | Upper contact high angle to CA, & lower contact 60° to CA. | **1680** | 88.74 | 89.85 | 1.11 | 1.84 |
| | | | | PG , QZ large & small common. Minor dark grey FP near upper & lower contacts. | **1681** | 89.85 | 90.85 | 1.00 | 1.86 |
| | | | | Mv - PH common < 1 cm, rarely 3 cm. | | | | | |
| | | | | SO ~ 15 %, pale green to very pale green, smaller crystals 1 - 4 cm, minor larger crystals 5 - 7 cm. | | | | | |
| | | | | SO crystals well oriented 25° - 30° to CA. Very minor yellowish green alterations in small parta of SO . | | | | | |
| | | | | When SO occur in clusters, it is difficult to see orientation. | | | | | |
| | | | | | | | | | |
| **90.85** | **91.12** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, heterogeneous. | | | | | |
| | | | | A felsic vein, 1.5 cm, with white lamellar Cleavelandite, growing perpendicular to vein margins. | | | | | |
| | | | | Minor greenish blue mm AP. Also possibly finely crystalline TL , MV near contact with M1. | | | | | |
| | | | | | | | | | |
| **91.12** | **91.99** | 0.87 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, finer grained near contacts, & also on both sides of M1 enclave (7 cm) at | **1682** | 91.12 | 91.99 | 0.87 | 1.27 |
| | | | | 91.39 - 91.46 m. PG , QZ , minor dark grey FP , MV - PH , SO . | | | | | |
| | | | | SO ~ 7 %, because there are a few finer grained zones with no SO . | | | | | |
| | | | | SO crystals 0.5 - 2.5 cm, occur in clusters. | | | | | |
| | | | | Several greenish blue mm AP in finer grained material near contact with M1 at upper & lower contact, | | | | | |
| | | | | & near M1 of the enclave. Minor TL , MV also near contact pegmatite - M1 . | | | | | |
| | | | | Upper contact 30° to CA, & lower contact at high angle to CA. | | | | | |
| | | | | | | | | | |
| **91.99** | **92.95** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium to dark grey, heterogeneous. 1 cm & 4 cm felsic veins x-cutting foliation. | | | | | |
| | | | | In 1 cm vein, TL grew at contact felsic material - M1 , crystals perpendicular to contact, towards | | | | | |
| | | | | centre of vein. | | | | | |
| | | | | In 4 cm vein, TL crystals grow within vein, accompanied by a layer rich in bluish mm AP . | | | | | |
| | | | | | | | | | |
| **92.95** | **94.78** | 1.83 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, finer grained near contacts. Both contacts high angle to CA . | **1683** | 92.95 | 93.87 | 0.92 | 1.35 |
| | | | | PG , QZ , large & small dark grey FP , MV - PH , SO . | **1684** | 93.87 | 94.78 | 0.91 | 1.14 |
| | | | | SO ~ 7 % (because SO is not present everywhere), small & medium size crystals - small 0.5 - 2 cm, | | | | | |
| | | | | medium size 3 - 5 cm, crystals may also occur in clusters. | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Minor yellowish green alteration of parts of some SO crystals. | | | | | |
| | | | | Several mm scattered greenish blue AP crystals. | | | | | |
| | | | | | | | | | |
| **94.78** | **95.14** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Green, fine grained, foliated, with common (20 %) BO phenocrysts < 5 mm. | | | | | |
| | | | | Both contacts high angle to CA. Rare fine scattered SF . | | | | | |
| | | | | | | | | | |
| **95.14** | **96.20** | | **V1** | **FELDSPAR PORPHYRY** | | | | | |
| | | | | Fine grained, medium grey, with common, 10 - 15 % white PG phenocrysts. | | | | | |
| | | | | Upper contact with Mafic volcanics more deformed, & therefore finer grained. | | | | | |
| | | | | Lower contact with pegmatite at high angle to CA. Rare scattered fine SF grains. | | | | | |
| | | | | Common mm TL crystals for 3 cm within FP-Porphyry near lower contact with pegmatite. | | | | | |
| | | | | | | | | | |
| **96.20** | **96.70** | 0.50 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, both coarse & finer grained. Both contacts high angle to CA. | **1685** | 96.20 | 96.70 | 0.50 | 0.71 |
| | | | | PG , QZ small, rare SO ~ 1 - 2 % partly altered. | | | | | |
| | | | | | | | | | |
| **96.70** | **97.30** | | **V1** | **FELDSPAR PORPHYRY** | | | | | |
| | | | | Fine grained, grey with common (10 - 15 %) white PG phenocrysts. Both contacts high angle to CA. | | | | | |
| | | | | Lower part of porphyry more deformed & finer grained. | | | | | |
| | | | | A 5 mm, & a 2 cm white felsic veins with development of fine mm black TL crystals, both near margins | | | | | |
| | | | | of veins, & within the veins. | | | | | |
| | | | | | | | | | |
| **97.30** | **98.06** | 0.76 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, finer grained near both contacts for a few cm. Both contacts high angle to CA. | **1686** | 97.30 | 98.06 | 0.76 | 1.78 |
| | | | | PG , QZ common, MV - PH , SO . | **1687** | STANDARD LOW | | | 0.86 |
| | | | | SO ~ 7 %, pale green, crystals up to 3.5 cm, very minor yellowish green alteration of parts of some | | | | | |
| | | | | crystals. Rare scattered mm greenish blue AP . | | | | | |
| | | | | | | | | | |
| **98.06** | **98.72** | | **V1** | **FELDSPAR PORPHYRY** | | | | | |
| | | | | Fine grained, grey with common white PG phenocrysts uniformly distributed. | | | | | |
| | | | | Development of some mm TL crystals near contact with mm felsic vein, & near the contact with | | | | | |
| | | | | pegmatite below it. | | | | | |
| | | | | | | | | | |
| **98.72** | **99.80** | 1.08 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, finer grained near contacts for a few cm. | | | | | |
| | | | | PG , QZ common, minor dark grey FP in upper part, MV - PH up to 1 cm, SO . | | | | | |
| | | | | SO ~ 5 % (because not present everywhere), pale green, crystals up to 4 cm. | | | | | |
| | | | | SO occurs mostly in clusters in central part, crystals oriented 20° - 50° to CA. | | | | | |
| | | | | Sample-1688 contains FP-Porphyry enclave at 99.45 - 99.60 m. | **1688** | 98.72 | 99.80 | 1.08 | 1.13 |
| | | | | There is an abundance of small mm well shaped black TL crystals within the porphyry, & some in | | | | | |
| | | | | the felsic material as well. | | | | | |
| | | | | | | | | | |
| **99.80** | **100.18** | | **V1** | **FELDSPAR PORPHYRY** | | | | | |
| | | | | Fine grained, grey with common white PG phenocrysts uniformly distributed. | | | | | |
| | | | | | | | | | |
| **100.18** | **100.85** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Green, fine grained, foliated, with common (10 %) BO phenocrysts. Foliation high angle to CA. | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **100.85** | **103.93** | 3.08 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse & finer grained because there are a few cm enclaves of M1 . | | | | | |
| | | | | PG , QZ , MV - PH up to 2 cm, SO . Upper contact 40° to CA, & lower contact high angle to CA. | | | | | |
| | | | | SO ~ 7 - 10 % overall (including altered SO ), pale green, crystals oriented 25° - 30° to CA. | | | | | |
| | | | | Some parts contain SO in clusters, other parts have no SO . | | | | | |
| | | | | In places some SO crystals show dark green, ST - like, alteration. | | | | | |
| | | | | Very minor scattered mm bluish AP crystals. | | | | | |
| | | | | Variable TL development within M1 enclaves & in felsic material. | | | | | |
| | | | | Sample-1689 contains M1 enclaves at 101.35 - 101.55 m, & 101.65 - 101.75 m; TL development. | **1689** | 100.85 | 101.85 | 1.00 | 0.54 |
| | | | | Sample-1690 contains M1 enclave at 102.18 - 102.28 m. | **1690** | 101.85 | 102.93 | 1.08 | 1.19 |
| | | | | Sample-1691 contains M1 enclave at 103.68 - 103.80 m. A 3 cm felsic vein in M1 nearly filled with | **1691** | 102.93 | 103.93 | 1.00 | 1.55 |
| | | | | TL crystals mm to 1 cm. | | | | | |
| | | | | | | | | | |
| **103.93** | **104.75** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Very fine grained, light grey, homogeneous. Only a few mm felsic veins, some show ptygmatic folding. | | | | | |
| | | | | | | | | | |
| **104.75** | **105.65** | 0.90 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse. Upper & lower contacts 20° - 30° to CA. | | | | | |
| | | | | PG , QZ common, minor dark grey FP near lower contact, MV - PH rare, SO . | | | | | |
| | | | | SO ~ 5 %, pale green, small crystals. Sample-1692 contains 2 small 3 cm enclaves of M1 . | **1692** | 104.75 | 105.65 | 0.90 | 0.89 |
| | | | | | | | | | |
| **105.65** | **106.25** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Green, fine grained, foliated, with abundant, ~ 15 %. Foliation at high angle to CA. | | | | | |
| | | | | A 9 cm felsic vein. | | | | | |
| | | | | | | | | | |
| **106.25** | **110.20** | 3.95 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White, coarse,finer grained near contacts for a few cm. | **1693** | 106.25 | 107.25 | 1.00 | 1.11 |
| | | | | PG , QZ large & small, several large dark grey FP , small MV - PH , SO . | **1694** | 107.25 | 108.25 | 1.00 | 1.57 |
| | | | | SO ~ 10 - 15 %, green to pale green, large & small crystals, some larger crystals up to 7 x 3 cm. | **1695** | 108.25 | 109.20 | 0.95 | 1.16 |
| | | | | Some SO crystals show dark green ST - like alteration. Also some yellowish green patches which | **1696** | 109.20 | 110.20 | 1.00 | 0.06 |
| | | | | may represent more altered SO . | | | | | |
| | | | | SO crystals well oriented 25° - 30° to CA. | | | | | |
| | | | | More QZ where SO occur in clusters, with QZ occupying spaces in between SO crystals. | | | | | |
| | | | | | | | | | |
| **110.20** | **117.05** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Green, fine grained, foliated, with common ~ 15 % BO phenocrysts uniformly distributed. | | | | | |
| | | | | Foliation shown by orientation of BO phenocrysts is subparallel, to parallel to CA. | | | | | |
| | | | | | | | | | |
| **117.05** | **118.25** | 1.20 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse. Upper contact 60° to CA, & lower contact 25° to CA. | **1697** | 117.05 | 118.25 | 1.20 | 0.02 |
| | | | | PG , QZ large & small, common dark grey FP , small MV - PH < 1 cm, SO . | **1698** | BLANK | | | <100 ppm |
| | | | | In central part, 1 - 2 cm fan-shaped white Cleavelandite crystals, over a distance of ~ 20 cm. | | | | | |
| | | | | SO ~ 1 % rare, only a few small crystals showing dark green ST -like alteration. | | | | | |
| | | | | A few mm scattered bluish AP crystals. | | | | | |
| | | | | | | | | | |
| **118.25** | **141.00** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Dark green, fine grained, with common BO phenocrysts 10 - 15 % uniformly distributed, and | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | define a good foliation. Foliation parallel, or subparallel to CA. | | | | | |
| | | | | A few mm - cm white felsic veins. A thicker pegmatite at 127.02 - 127.42 m, it contains lot of | | | | | |
| | | | | dark grey FP , very minor Cleavelandite, no visible SO . | | | | | |
| | | | | After ~ 140.45 m, and up to 141.00 m the recovered material is in small broken pieces | | | | | |
| | | | | | | | | | |
| | | | | **141.00 m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.97%/7.73m | 56.03 | 63.76 |
| 1.58%/19.06m | 65.94 | 85.00 |
| 1.78%/3.11m | 87.74 | 90.85 |
| 1.36%/2.08m | 101.85 | 103.93 |
| 1.28%/2.95m | 106.25 | 109.20 |

LITHIUM ONE INC.
Property :James Bay Lithium

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DDH # : | **JBL09-55** | | Start : September 04, 2009 | | Drilled by : | | Chibougamau |
| Azimuth : | 110° | LOCATION UTM | End : September 05, 2009 | | | | Diamond Drilling |
| Dip: | -70° | 358240 mE | | | Logged by : | | M K |
| Elevation: | 217m | 5789510 mN | | | **Verified by:** | **AJMc** | **Jan20th,2010** |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **0.00** | **4.25** | | | **OVERBURDEN** | | | | | |
| **4.25** | **5.35** | 1.10 | **I1G** | **PEGMATITE (Segmented core sections)** | | | | | |
| | | | | White, coarse. PG , QZ large & small, minor large & small dark grey FP , MV - PH , SO . | **1699** | 4.25 | 5.35 | 1.10 | 0.82 |
| | | | | SO ~ 7 % (including altered SO ), large & small crystals, one large crystal 6 x 4 cm in upper part. | | | | | |
| | | | | Some yellowish green patches - alteration of SO . Some crystals ST - like dark green alteration. | | | | | |
| **5.35** | **15.59** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Metatexite - fine grained, medium to dark grey, rather less mobilizate than normal. | | | | | |
| | | | | White mobilizate in mm layers. Migmatitic banding parallel to subparallel to CA. | | | | | |
| | | | | A white finer grained felsic vein with MV at 10.11 - 10.29 m. Rare mm felsic veins x-cut banding. | | | | | |
| **15.59** | **29.06** | 13.47 | **I1G** | **PEGMATITE (Very good section, common large crystals in lower part)** | **1702rp** | | | | <100 ppm |
| | | | | White, coarse, finer grained near contacts for a few cm, & with fine grained MV . | **1700** | 15.59 | 16.59 | 1.00 | 0.02 |
| | | | | In upper part from 15.59 m to 20.30 m pegmatite is less coarse. Then, from 20.30 to near 29.00 m | **1701** | 16.59 | 18.09 | 1.50 | 0.01 |
| | | | | pegmatite becomes coarse, & contains numerous large SO crystals up to 7 x 4 cm. | **1702** | 18.09 | 19.59 | 1.50 | <100 ppm |
| | | | | In lower part, SO crystals show light greyish colour on core surface, but when seen in broken sides of | **1703** | 19.59 | 21.09 | 1.50 | 0.21 |
| | | | | core they show a greenish colour. | **1704** | 21.09 | 22.59 | 1.50 | 1.53 |
| | | | | In places large & small crystals show ST -like dark green alteration colour. | **1705** | 22.59 | 24.09 | 1.50 | 0.83 |
| | | | | Therefore, SO ~ 15 - 20 %, especially in lower part, and less SO in upper part. | **1706** | 24.09 | 25.59 | 1.50 | 1.77 |
| | | | | In upper part, because of finer grained nature of pegmatite, SO crystals are smaller & less common. | **1707** | 25.59 | 27.09 | 1.50 | 1.36 |
| | | | | In upper part there are also yellowish green patches, & ST -like dark green SO , which suggests that | **1708** | STANDARD HIGH | | | 1.36 |
| | | | | SO was more subjected to alteration in the upper finer grained material. Yellowish green alteration | **1709** | 27.09 | 28.06 | 0.97 | 1.44 |
| | | | | of SO also seen near lower contact. | **1710** | 28.06 | 29.06 | 1.00 | 0.03 |
| | | | | In lower coarse part of pegmatite, SO crystals show consistent orientation - 40° to CA. | | | | | |
| | | | | MV - PH very common, flakes & booklets 0.5 - 6.0 cm | | | | | |
| | | | | Near upper contact & parallel to the contact there is a narrow mm layer with several small mm | | | | | |
| | | | | greenish blue AP . Rare scattered AP also seen elsewhere. | | | | | |
| | | | | Sample-1703 contains a black TL - rich rock at 19.59 - 20.04 m. | | | | | |
| **29.06** | **46.53** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Metatexite, with less than normal mobilizate in upper part, & somewhat more mobilizate in lower parts. | | | | | |
| | | | | Migmatitic banding 40° to CA, to subparallel, to parallel to CA. | | | | | |
| | | | | Several mm - cm white felsic veins. | | | | | |
| | | | | 2 thicker pegmatites at 39.09 - 39.67 m; & 45.35 - 45.83 m; no visible SO , but some yellowish green | | | | | |
| | | | | patches, possibly alteration of SO . | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **46.53** | **50.27** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Greenish, fine grained, foliated, with common BO phenocrysts uniformly distributed. | | | | | |
| | | | | Foliation shown by BO phenocrysts appears to be at high angle to CA. | | | | | |
| | | | | 2 felsic veins 10 cm & 4 cm thick. | | | | | |
| | | | | | | | | | |
| **50.27** | **51.35** | 1.08 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, finer grained close to contacts. Upper & lower contacts 60° to CA. | **1711** | 50.27 | 51.35 | 1.08 | 0.91 |
| | | | | PG , QZ small common, minor dark grey FP , MV - PH < 0.5 cm, SO . | | | | | |
| | | | | SO ~ 3 - 5 %, small crystals < 2 cm, pale green to light greyish, oriented 40° to CA. | | | | | |
| | | | | SO shows minor greenish alteration, some ST -like in colour. | | | | | |
| | | | | | | | | | |
| **51.35** | **54.24** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Greenish, fine grained, foliated, with common (10 - 15 %) BO phenocrysts. | | | | | |
| | | | | Foliation 35° to CA, to subparallel to CA. A small pegmatite vein at 53.59 - 53.73 m. | | | | | |
| | | | | FELDSPAR PORPHYRY at 52.24 - 52.55 m - light grey, with white PG phenocrysts. A 3cm white | | | | | |
| | | | | felsic vein in lower part of Porphyry. | | | | | |
| | | | | | | | | | |
| **54.24** | **64.00** | 9.76 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White, coarse & finer grained. Upper contact 60° to CA, & lower contact is irregular. | **1712** | 54.24 | 55.24 | 1.00 | 0.55 |
| | | | | Upper part of pegmatite contains more finer grained material, but it still contains large & small SO . | **1713** | 55.24 | 56.74 | 1.50 | 1.58 |
| | | | | PG , QZ large & small common, very common large & small dark grey FP . | **1714** | 56.74 | 58.24 | 1.50 | 1.63 |
| | | | | MV - PH very common, flakes & booklets up to 3 cm. | **1715** | 58.24 | 59.74 | 1.50 | 1.77 |
| | | | | SO ~ 12 - 15 %, (less in upper part, more in lower part), variable in colour - green to pale green to | **1716** | 59.74 | 61.24 | 1.50 | 1.62 |
| | | | | very pale green. Here, green coloured SO are not due to alteration. | **1717** | 61.24 | 62.12 | 0.88 | 2.50 |
| | | | | Crystals up to 7 x 4 cm, oriented 50° - 90° to CA. | **1718** | 62.12 | 63.00 | 0.88 | 1.87 |
| | | | | In places, bluish AP crystals up to 5 mm. | **568830** | DUPLICATE | | | 2.00 |
| | | | | Sample-1719 contains Mafic volcanic enclave at 63.54 - 63.70 m. Development of TL at 63.36 - 63.48 | **1719** | 63.00 | 64.00 | 1.00 | 0.85 |
| | | | | m, i.e. just above the enclave. | | | | | |
| | | | | | | | | | |
| **64.00** | **64.90** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Dark green, more mafic, foliated, with BO phenocrysts. | | | | | |
| | | | | | | | | | |
| **64.90** | **65.55** | | **V1** | **FELDSPAR PORPHYRY** | | | | | |
| | | | | Fine grained, grey, with common white PG phenocrysts. | | | | | |
| | | | | Development of TL in a 2 cm layer parallel to contact, in pegmatite just below the FP Porphyry. | | | | | |
| | | | | | | | | | |
| **65.55** | **67.34** | 1.79 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, finer grained near contacts for a few cm. Upper contact 30°,& lower contact 50° to CA. | **1720** | 65.55 | 66.45 | 0.90 | 0.59 |
| | | | | PG , QZ large & small, minor dark grey FP , MV - PH , SO . | **1721** | 66.45 | 67.34 | 0.89 | 0.52 |
| | | | | SO ~ 3 %, greenish small crystals, rare larger SO 3.5 cm. | | | | | |
| | | | | Some SO crystals show partial green alterations, or green alterations at margins. | | | | | |
| | | | | | | | | | |
| **67.34** | **69.17** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Dark green, strong foliation, common BO phenocrysts. Foliation 40° to CA. | | | | | |
| | | | | In central part, irregular infiltration of felsic material, & 1 cm, 2 cm white felsic veins with TL | | | | | |
| | | | | development on both sides of the 2 cm vein. | | | | | |
| | | | | | | | | | |
| **69.17** | **71.00** | 1.83 | **I1G** | **PEGMATITE** | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | White, coarse. Upper & lower contacts at high angle to CA. | **1722** | 69.17 | 71.00 | 1.83 | 1.22 |
| | | | | PG , QZ large & small, a few large dark grey FP , MV - PH , SO . | | | | | |
| | | | | SO ~ 5 - 7 %, green to pale green, large & small crystals, oriented 20° - 25° to CA. | | | | | |
| | | | | Minor larger crystals e.g. 8 x 2 cm, 6 x 4 cm. Parts of some SO show ST -like green alteration. | | | | | |
| | | | | In one place several small bluish AP < 3 mm. | | | | | |
| | | | | Development of some TL in pegmatite at its lower contact with mafic volcanics. | | | | | |
| | | | | | | | | | |
| **71.00** | **71.65** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Dark green, strong foliation at high angle to CA. Common BO phenocrysts. | | | | | |
| | | | | | | | | | |
| **71.65** | **75.80** | 4.15 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White, coarse. Upper contact high angle to CA, & lower contact 50° to CA. | **1723** | 71.65 | 72.65 | 1.00 | 1.93 |
| | | | | PG , QZ very large in places, several large dark grey FP . MV - PH up to 2 - 3 cm, common clusters. | **1724** | 72.65 | 73.73 | 1.08 | 0.97 |
| | | | | SO ~ 10 - 12 % (because it occurs in parts, & because there are large grey FP ), green to pale green, | **1725** | 73.73 | 74.80 | 1.07 | 1.02 |
| | | | | common large crystals up to 5 x 3 cm. SO crystals oriented 50° to CA. | **1726** | 74.80 | 75.80 | 1.00 | 1.43 |
| | | | | In places a few bluish AP < 3 mm. In broken cores fresh SO good green colour. | | | | | |
| | | | | | | | | | |
| **75.80** | **79.50** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Dark green, foliated, very mafic with < 5 mm TM - AC , BO . Common BO phenocrysts. | | | | | |
| | | | | Foliation 30° - 40° to CA. Near lower contact the rock has strong foliation, & it is infiltrated by felsic | | | | | |
| | | | | material from pegmatite below it. | | | | | |
| | | | | | | | | | |
| **79.50** | **92.33** | 12.83 | **I1G** | **PEGMATITE (Very good section, various colours of SO , large MV - PH )** | | | | | |
| | | | | White, coarse, finer grained near both contacts for several cm. | **1727** | 79.50 | 80.50 | 1.00 | 0.81 |
| | | | | PG , QZ large & small, several large dark grey FP . | **1728** | STANDARD HIGH | | | 1.34 |
| | | | | MV - PH very common, large flakes & booklets up to 3 - 4 cm. | **1729** | 80.50 | 82.00 | 1.50 | 0.90 |
| | | | | In the upper part between 79.50 - 84.00 m, pegmatite is less coarse, contains less SO , | **1730** | 82.00 | 83.50 | 1.50 | 1.53 |
| | | | | SO crystals are 1 - 3 cm, some in clusters. | **1731** | 83.50 | 85.00 | 1.50 | 1.87 |
| | | | | Below ~ 84 m to 91 m, SO crystals become considerably larger, & more common. | **1732** | 85.00 | 86.50 | 1.50 | 2.15 |
| | | | | Again below 91 m, pegmatite is less coarse, & contains less SO . | **1733** | 86.50 | 88.00 | 1.50 | 0.67 |
| | | | | Therefore, SO ~ 15 - 17 % overall. SO crystals very pale green, pale green, green. | **1734** | 88.00 | 89.50 | 1.50 | 1.75 |
| | | | | Larger crystals up to 7 x 4 cm. SO crystals oriented 35° - 40° - 50° to CA. | **1735** | 89.50 | 90.42 | 0.92 | 1.35 |
| | | | | In lower part only, some small SO show ST -like greenish alteration. | **1736** | 90.42 | 91.33 | 0.91 | 0.61 |
| | | | | Scattered tiny bluish AP crystals in places. | **1737** | 91.33 | 92.33 | 1.00 | 0.62 |
| | | | | | | | | | |
| **92.33** | **97.77** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Dark green, foliated, with common BO phenocrysts. Foliation 25° - 30° - 40° to CA. | | | | | |
| | | | | Presence of pegmatite in proximity causes formation of some MV in rock. | | | | | |
| | | | | A less coarse pegmatite at 93.42 - 94.10 m, no visible SO . | | | | | |
| | | | | | | | | | |
| **97.77** | **100.16** | 2.39 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse. Upper contact high angle to CA, & lower contact 20° to CA. | **1738rp** | 97.77 | 98.97 | 1.20 | 1.46 |
| | | | | PG , some very large QZ zones, also smaller QZ , minor MV - PH ~ 1.5 cm, SO . | **1739** | BLANK | | | <100 ppm |
| | | | | SO ~ 2 %, only scattered small crystals up to 2.5 cm, both fresh, & with ST -like dark green alteration. | **1739rp** | BLANK | | | <100 ppm |
| | | | | Sample-1740 contains a 10 cm Mafic volcanics enclave near lower contact. | **1740rp** | 98.97 | 100.16 | 1.19 | 0.05 |
| | | | | | | | | | |
| **100.16** | **108.03** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Dark green, foliated, common BO phenocrysts < 5 mm. Foliation subparallel, to 25° to CA. | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Possibly common presence of TM - AC , BO in matrix. | | | | | |
| | | | | | | | | | |
| **108.03** | **113.85** | 5.82 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, finer grained near contacts. Upper & lower contacts at high angle to CA. | **1741** | 108.03 | 109.03 | 1.00 | 0.49 |
| | | | | PG , QZ large & small, some large & small dark grey FP , minor MV - PH 1.0 - 3.5 cm, SO . | **1742** | 109.03 | 110.53 | 1.50 | 0.64 |
| | | | | SO ~ 5 - 7 %, because only scattered large & small crystals. | **1743** | 110.53 | 112.03 | 1.50 | 1.07 |
| | | | | A large crystal 8 x 2 cm is parallel to CA. This crystal, & another 3 cm crystal are green in colour | **1744** | 112.03 | 112.85 | 0.82 | 0.23 |
| | | | | in fresh parts, & are surrounded by ST -like dark green alteration. | **1745** | 112.85 | 113.85 | 1.00 | <100 ppm |
| | | | | Other crystals 1 - 3 cm. | | | | | |
| | | | | Sample 1745 contains 4 cm enclave of Mafic volcanics. | | | | | |
| | | | | | | | | | |
| **113.85** | **118.00** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Same dark green, foliated, common BO phenocrysts, 15 %, ~ 5 mm, uniformly distributed. | | | | | |
| | | | | | | | | | |
| **118.00** | **119.60** | 1.60 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, finer grained near contacts for a few cm. | **1746** | 118.00 | 119.60 | 1.60 | 0.02 |
| | | | | PG , QZ very large in places, MV - PH very minor, minor dark grey FP . | | | | | |
| | | | | Good Cleavelandite - white fan-shaped lamellar crystals ~ 2 cm long, over a distance of a few cm. | | | | | |
| | | | | No visible SO . | | | | | |
| | | | | | | | | | |
| **119.60** | **135.00** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Dark green, foliated, rather coarser, with common (15 - 20 %) BO phenocrysts 0.5 - 1.0 cm, | | | | | |
| | | | | uniformly distributed. Foliation subparallel to CA, or at a low angle to CA. | | | | | |
| | | | | Rare mm - cm white felsic veins. | | | | | |
| | | | | A thicker pegmatite at 120.65 - 121.55 m, contains common Cleavelandite - white fan-shaped | | | | | |
| | | | | lamellar crystals for a large part of this pegmatite. (Sample with K.S. - 121.05 - 121.15 m). | | | | | |
| | | | | Very rare SO < 7 mm, dark green alteration. Only a few such grains seen. | | | | | |
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| | | | | **135.00 m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.38%/6.97m | 21.09 | 28.06 |
| 1.67%/8.76m | 55.24 | 64.00 |
| 1.33%/4.15m | 71.65 | 75.80 |
| 1.41%/10.92m | 79.50 | 90.42 |

LITHIUM ONE INC.
Property :James Bay Lithium
DDH # : **JBL09-56** Start : September 06, 2009
Azimuth : 110° LOCATION UTM End : September 07, 2009
Dip: -85° 358240 mE
Elevation: 217m 5789510 mN

Drilled by : Chibougamau Diamond Drilling
Logged by : M K
**Verified by AJMc JAN20th,2010**

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **3.22** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **3.22** | **4.29** | 1.07 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White,coarse. Upper contact not seen. Lower contact high angle to CA. | **1747** | 3.22 | 4.29 | 1.07 | 0.15 |
| | | | | PG , QZ large & small, minor dark grey FP large & small, MV PH up to 1 cm, SO . | | | | | |
| | | | | SO ~ 2 %, green, small crystals up to 2.5 cm. | | | | | |
| | | | | | | | | | |
| **4.29** | **25.13** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Metatexite, dark grey, somewhat less mobilizate. Very thin mm - cm migmatitic banding. | | | | | |
| | | | | Banding parallel, subparallel, to 20° to CA. QZ , PG , BO , MV , ~ 1 % scattered AS , PY grains. | | | | | |
| | | | | Rare mm white felsic veins x-cut banding. | | | | | |
| | | | | One 5 mm thick felsic vein shows Ptygmatic folding over a distance of 40 cm | | | | | |
| | | | | | | | | | |
| **25.13** | **34.51** | 9.38 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White, coarse. Upper contact 30° to CA, & lower contact 45° to CA. | **1748** | 25.13 | 26.13 | 1.00 | 0.02 |
| | | | | PG , QZ common large & small, large dark grey FP both near upper & lower contacts. | **1749** | STANDARD LOW | | | 0.77 |
| | | | | MV PH common, flakes & booklets up to 2.0 - 3.5 cm. | **1750** | 26.13 | 27.63 | 1.50 | 1.55 |
| | | | | SO ~ 12 - 15 %, green, pale green, to whitish, large & small crystals 1 - 15 cm. | **1751** | 27.63 | 29.13 | 1.50 | 2.80 |
| | | | | Common larger crystals e.g. 15 x 3 cm, 9 x 2 cm. Large 15 x 3 cm crystal, on core surface is whitish, | **1752** | 29.13 | 30.63 | 1.50 | 1.94 |
| | | | | very fresh looking, subparallel to CA, but in broken surface it has ST -like dark green colour. This | **1753** | 30.63 | 32.13 | 1.50 | 1.80 |
| | | | | dark green colour is likely due to alteration. | **1754** | 32.13 | 33.51 | 1.38 | 1.59 |
| | | | | Another large SO crystal nearby is similar looking on core surface, but in broken surface it is | **1755** | 33.51 | 34.51 | 1.00 | 1.48 |
| | | | | pale green in colour, which is its natural colour of fresh crystal. | | | | | |
| | | | | Smaller crystals tend to occur in clusters. | | | | | |
| | | | | Larger crystals oriented parallel, subparallel, & to 30° - 40° to CA. | | | | | |
| | | | | Minor ST -like dark green small crystals in upper part, just below 26 m. | | | | | |
| | | | | In lower part the SO crystals appear to be more altered, and there is more small MV - PH . | | | | | |
| | | | | Several scattered dark bluish AP crystals < 5 mm. | | | | | |
| | | | | | | | | | |
| **34.51** | **51.00** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Metatexite, dark grey, good mm - cm migmatitic banding. QZ , PG , BO , MV . | | | | | |
| | | | | Mobilizate content variable from normal to somewhat less. | | | | | |
| | | | | Near thicker pegmatite veins, & with infiltration of felsic material, the rocks become whitish grey, & | | | | | |
| | | | | contain more MV . Banding parallel, subparallel, to 40° to CA. In places banding with minor folds. | | | | | |
| | | | | Several mm - cm felsic veins. A mm vein shows ptygmatic folds. | | | | | |
| | | | | Thicker pegmatite veins at - 39.70 - 39.80 m; 43.07 - 43.20 m; 44.02 - 44.28 m; 46.85 - 47.10 m; | | | | | |
| | | | | 48.07 - 48.52 m; 49.55 - 50.06 m. | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **51.00** | **63.69** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Dark green, foliated with common BO phenocrysts. May also contain TM - AC , BO in matrix. | | | | | |
| | | | | Foliation subparallel, to low angle to CA, to 35° to CA. | | | | | |
| | | | | Very minor mm - cm felsic veins, & irregular felsic material infiltration. | | | | | |
| | | | | Thicker finer grained felsic veins at - 60.25 - 60.41 m; 63.28 - 63.43 m. | | | | | |
| | | | | Rare TL near some felsic vein contacts. | | | | | |
| | | | | | | | | | |
| **63.69** | **74.42** | 10.73 | **I1G** | **PEGMATITE (Very good section)** | | | | | |
| | | | | White, coarse, finer grained near contacts for several cm. Upper contact 30°, lower contact 40° to CA. | **1756** | 63.69 | 64.69 | 1.00 | 0.90 |
| | | | | PG , QZ large & small common, minor dark grey FP . MV - PH flakes/booklets common, up to 3.5 cm. | **1757** | 64.69 | 66.19 | 1.50 | 1.17 |
| | | | | SO ~ 15 - 20 %(overall), pale green to whitish, large & small crystals. | **1758** | 66.19 | 67.69 | 1.50 | 1.15 |
| | | | | 2 kinds of SO crystals - (1) majority of SO are fresh very pale green to whitish on core surface, & | **1759** | 67.69 | 69.19 | 1.50 | 0.16 |
| | | | | pale green fresh in broken surface, (2) minority of SO , both large & small, are ST -like dark green, | **568831** | DUPLICATE | | | 0.24 |
| | | | | both on core surface & in broken surface. These crystal are partly altered. | **1760** | 69.19 | 70.69 | 1.50 | 3.27 |
| | | | | Large crystals e.g. 18 x 3 cm, 12 x 6 cm, 10 x 4.5 cm. Among ST -like dark green SO crystals - | **1761** | 70.69 | 72.19 | 1.50 | 0.78 |
| | | | | a 12 x 4 cm crystal, & commonly smaller crystals. | **1762** | 72.19 | 73.42 | 1.23 | 0.69 |
| | | | | Smaller 1 - 3 cm crystals tend to occur in clusters also. | **1763** | 73.42 | 74.42 | 1.00 | 0.81 |
| | | | | Locally Cleavelandite crystals also observed. A few scattered mm AP crystals. | | | | | |
| | | | | Large SO crystals oriented from parallel, to high angle to CA. Smaller SO crystals oriented 45° to CA. | | | | | |
| | | | | Finer grained parts near contacts may contain isolated small SO crystals. | | | | | |
| | | | | | | | | | |
| **74.42** | **81.47** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Dark green, foliated, with common BO phenocrysts. May also contain TM - AC , BO in matrix. | | | | | |
| | | | | Foliation subparallel to CA, to low angle to CA. | | | | | |
| | | | | | | | | | |
| **81.47** | **83.82** | 2.35 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, finer grained near contacts. Upper contact high angle, & lower contact 30° to CA. | **1764** | 81.47 | 82.65 | 1.18 | 0.49 |
| | | | | PG , QZ large & small very common, minor dark grey FP , minor small MV - PH . | **1765** | 82.65 | 83.82 | 1.17 | 0.11 |
| | | | | SO ~ 3 %, small crystals 1 - 3 cm, green on core surface, therefore possibly partly altered. | | | | | |
| | | | | SO occur in clusters of a few crystals, or as scattered isolated crystals. | | | | | |
| | | | | Sample-1764 contains a 10 cm Mafic volcanics enclave in upper part. | | | | | |
| | | | | | | | | | |
| **83.82** | **92.35** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Dark green foliated, with common BO phenocrysts. May contain TM - AC , Bo in matrix. | | | | | |
| | | | | Foliation subparallel, to low angle to CA. | | | | | |
| | | | | | | | | | |
| **92.35** | **95.00** | 2.65 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White less coarse, finer grained near contacts. Upper contact 30° , & lower contact 20° to CA. | **1766** | 92.35 | 93.68 | 1.33 | 0.02 |
| | | | | PG , QZ common, minor large dark grey FP , MV - PH very minor small. | **1767** | 93.68 | 95.00 | 1.32 | 0.01 |
| | | | | SO ~ 1 - 2 %, occurs only in scattered small crystals < 1 cm, dark green on core surface, thus | | | | | |
| | | | | suggesting that SO is altered. Also present some yellowish green patches. | | | | | |
| | | | | | | | | | |
| **95.00** | **101.15** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Dark green, foliated, common (10 - 15 %) BO phenocrysts. May also contain TM - AC , BO in matrix. | | | | | |
| | | | | BO phenocrysts up to 1 cm, their preferred orientation defines foliation. | | | | | |
| | | | | Foliation subparallel, or at low angle to CA. | | | | | |
| | | | | | | | | | |

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| **101.15** | **104.89** | 3.74 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse. Both upper & lower contacts 30° to CA. | **1768** | 101.15 | 102.15 | 1.00 | 0.92 |
| | | | | PG , QZ very common large & small, very minor dark grey FP , minor MV - PH . | **1769** | STANDARD HIGH | | | 1.36 |
| | | | | SO ~ 7 % ( because not present everywhere), whitish to pale green, large & small crystals. | **1770** | 102.15 | 103.02 | 0.87 | 1.30 |
| | | | | On core surface, whitish crystals appear greyish when sprayed with water. Greyish colour may be | **1771** | 103.02 | 103.89 | 0.87 | 0.12 |
| | | | | in parts of the crystal, or the whole crystal may be greyish. These are fresh crystals. | **1772** | 103.89 | 104.89 | 1.00 | 0.03 |
| | | | | Other SO are smaller crystals 1 - 2 cm, pale green, which show minor alterations, & ST -like | | | | | |
| | | | | dark green colour. Some yellowish green patches in lowe parts. | | | | | |
| | | | | Larger whitish greyish crystals oriented at high angle to CA. | | | | | |
| | | | | Rare scattered mm bluish AP crystals. | | | | | |
| | | | | | | | | | |
| **104.89** | **132.77** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Greenish, well foliated, fine to medium grained, cmmon 15 - 20 % BO phenocrysts < 1 cm. | | | | | |
| | | | | Stronger foliation in places. In between BO phenocrysts there is possibly accicular TM - AC , & BO . | | | | | |
| | | | | Foliation subparallel, to parallel to CA. Rare mm - cm white felsic veins. | | | | | |
| | | | | A thicker felsic vein subparallel to foliation at 111.70 - 114.00 m. | | | | | |
| | | | | A band of FELDSPAR PORPHYRY at 116.80 - 117 .35 m, with upper & lower contacts 35° to CA. | | | | | |
| | | | | PORPHYRY contains fine disseminated PY 1 - 2 %. | | | | | |
| | | | | | | | | | |
| **132.77** | **138.60** | | **V1** | **FELDSPAR PORPHYRY** | | | | | |
| | | | | Fine grained, grey, with common mm white PG phenocrysts. | | | | | |
| | | | | Fine disseminated PY 1 - 2 %, & less AS . | | | | | |
| | | | | Below FP Porphyry there is a coarse QZ Vein. Development of TL in Porphyry near contact with | | | | | |
| | | | | the QZ Vein. | | | | | |
| | | | | | | | | | |
| **138.60** | **138.85** | | | **QZ VEIN** | | | | | |
| | | | | Coarse white - greyish QZ . | | | | | |
| | | | | | | | | | |
| **138.85** | **147.44** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Green, fine grained, well foliated, with common BO phenocrysts. Foliation subparallel to CA. | | | | | |
| | | | | Matrix may contain TM - AC , BO . | | | | | |
| | | | | A felsic vein subparallel to CA, & therefore subparallel to foliation, at 144.50 - 145.00 m. | | | | | |
| | | | | | | | | | |
| **147.44** | **153.75** | 6.31 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, fine grained near contacts for several cm. | **1773** | 147.44 | 148.44 | 1.00 | 0.02 |
| | | | | Upper contact high angle to CA, & lower contact is a hybrid zone (153.75 - 154.00 m) with | **1774** | 148.44 | 149.94 | 1.50 | 0.03 |
| | | | | mafic volcanics below. | **1775** | 149.94 | 151.44 | 1.50 | 0.03 |
| | | | | PG , QZ common some very large, minor large & small dark grey FP . | **1776** | 151.44 | 152.75 | 1.31 | 0.02 |
| | | | | MV - PH occur in clusters in places, flakes & booklets up to 3 cm. | **1777** | 152.75 | 153.75 | 1.00 | 0.01 |
| | | | | SO ~ 1 - 2 %, with greenish alteration. | | | | | |
| | | | | Minor Cleavelandite over a distance of a few cm. | | | | | |
| | | | | Rare scattered pale bluish AP crystals, small mm. Minor TL in small patches. | | | | | |
| | | | | | | | | | |
| **153.75** | **159.00** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Greenish - whitish, medium grained, with abundant (15 - 20 %) BO phenocrysts, which appear to be | | | | | |
| | | | | somewhat larger in this section, 0.5 to 1.0 cm. | | | | | |
| | | | | Orientation of BO phenocrysts defines strong foliation. Foliation parallel, to subparallel to CA. | | | | | |
| | | | | Very rare cm felsic veins. In the upper part at 153.75 - 154.00 m there is a hybrid zone due to | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | interaction with the pegmatite below. | | | | | |
| | | | | | | | | | |
| | | | | **159.00 m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.89%/8.38m | 26.13 | 34.51 |
| 1.10%/4.00m | 63.69 | 67.69 |
| 1.48%/5.23m | 69.19 | 74.42 |

LITHIUM ONE INC.

Property :James Bay Lithium

DDH # : **JBL09-57** Start : September 08, 2009

Azimuth : 110° LOCATION UTM End : September 08, 2009

Dip: -45° 358250 mE

Elevation: 207m 5789526 mN

Drilled by : Chibougamau Diamond Drilling

Logged by : M K

**Verified by: AJMc** on Sept. 8th, 2009

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **0.00** | **7.24** | | | **OVERBURDEN** | | | | | |
| **7.24** | **12.03** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Green, foliated, fine grained, with < 5 mm common BO phenocrysts (7%). Foliation subparallel to CA. | | | | | |
| | | | | Infiltration of white felsic material subparallel to foliation at - 7.70 - 9.60 m. | | | | | |
| | | | | Minor black TL up to 1 cm seen in mafic volcanics in the beginning. | | | | | |
| **12.03** | **19.40** | 7.37 | **I1G** | **PEGMATITE (Very good section)** | | | | | |
| | | | | White, coarse, finer grained near contacts for ~ 50 cm. | **1778** | 12.03 | 13.03 | 1.00 | 0.10 |
| | | | | Upper contact 50° to CA, & lower contact high angle to CA. | **1779** | 13.03 | 14.53 | 1.50 | 0.28 |
| | | | | PG , QZ large & small, several large dark grey FP . MV - PH common large up to 4.5 cm, also in clusters. | **1780** | BLANK | | | <100 ppm |
| | | | | SO ~ 15 %, large & small crystals. Smaller crystals, 0.5 - 2.0 cm, occur in finer grained parts. Some | **1781** | 14.53 | 16.03 | 1.50 | 1.91 |
| | | | | show minor greenish alteration. | **1782** | 16.03 | 17.53 | 1.50 | 1.27 |
| | | | | Larger crystals - e.g. 8 x 3 cm, 10 x 4.5 cm, 8 x 5 cm, very pale green to whitish on core surface. | **1783** | 17.53 | 18.40 | 0.87 | 0.35 |
| | | | | In broken surface fresh pale green colour. | **1784** | 18.40 | 19.40 | 1.00 | 0.04 |
| | | | | Larger & smaller crystals oriented from parallel, to perpendicular to CA. | | | | | |
| | | | | Both large & small crystal may occur in clusters. | | | | | |
| | | | | Some rare large crystals in broken surface show ST -like dark green alteration, but the same crystals | | | | | |
| | | | | on core surface are whitish grey, with the appearance of fresh crystals. | | | | | |
| | | | | Cleavelandite observed both in finer grained & coarser parts. They may occupy spaces between | | | | | |
| | | | | SO crystals. | | | | | |
| **19.40** | **34.75** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Dark green, foliated, fine - medium grained. Foliation subparallel to CA, to 35° to CA. | | | | | |
| | | | | Here in upper part, there are both BO phenocrysts, & common whitish phenocrysts. | | | | | |
| | | | | The whitish phenocrysts likely contain fine accicular TM - AC needles. | | | | | |
| | | | | In lower parts, there are more BO phenocrysts. Matrix may also contain TM - AC , BO . | | | | | |
| | | | | Also in lower part, there are a few mm - cm felsic veins, some of them develop TL crystals < 5 mm. | | | | | |
| | | | | TL observed both in veins & in larger felsic infiltrations. A larger felsic infiltration occurs parallel to | | | | | |
| | | | | foliation at - 30.00 - 31.35 m | | | | | |
| **34.75** | **45.21** | 10.46 | **I1G** | **PEGMATITE (Very good section)** | | | | | |
| | | | | White, coarse, finer grained near contacts. Upper & lower contacts 60° to CA. | **1785** | 34.75 | 35.75 | 1.00 | 0.55 |
| | | | | PG , QZ large & small common, very large dark grey FP in lower part. MV - PH common up to 2 - 3 cm. | **1786** | 35.75 | 37.25 | 1.50 | 1.10 |
| | | | | SO ~ 15 %, large & small crystals, very pale green to whitish on core surface, & in broken surface | **1787** | 37.25 | 38.75 | 1.50 | 0.78 |
| | | | | pale green colour of fresh SO . Larger crystals e.g. 8 x 3 cm, 7 x 3 cm, 4 x 3 cm. | **1788** | 38.75 | 40.25 | 1.50 | 3.10 |
| | | | | Smaller crystals 0.5 - 3 cm also occur in clusters. SO crystals oriented 40° - 50° to CA. | **1789** | 40.25 | 41.75 | 1.50 | 1.29 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Several scattered mm lighter bluish AP crystals. | **1790** | STANDARD LOW | | | 0.88 |
| | | | | | **1791** | 41.75 | 43.25 | 1.50 | 0.89 |
| | | | | | **1792** | 43.25 | 44.21 | 0.96 | 0.81 |
| | | | | | **1793** | 44.21 | 45.21 | 1.00 | 0.04 |
| | | | | | | | | | |
| **45.21** | **50.90** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Green, foliated, fine - medium grained. Here also common BO phenocrysts, & whitish small patches | | | | | |
| | | | | < 5 mm, possibly with TM - AC . Matrix also may contain TM - AC , BO . Foliation subparallel to CA. | | | | | |
| | | | | Rare mm felsic veins. A 2.5 cm felsic vein. | | | | | |
| | | | | A thicker finer grained felsic vein at 47.25 - 47.55 m, with both contacts high angle to CA. | | | | | |
| | | | | | | | | | |
| **50.90** | **63.47** | 12.57 | **I1G** | **PEGMATITE (Very good section)** | | | | | |
| | | | | White, coarse, finer grained near contacts. Upper & lower contacts high angle to CA. | **1794** | 50.90 | 51.90 | 1.00 | 0.03 |
| | | | | PG , QZ large & small common, several large & small dark grey FP. | **1795** | 51.90 | 53.40 | 1.50 | 1.59 |
| | | | | MV - PH up to 2.5 cm, also occur in clusters. | **1796** | 53.40 | 54.90 | 1.50 | 1.28 |
| | | | | SO ~ 15 %, small & larger crystals common, both may occur in clusters. Smaller crystals 0.5 - 4 cm. | **1797** | 54.90 | 56.40 | 1.50 | 1.33 |
| | | | | Larger crystals e.g. 10 x 5 cm, 8 x 4 cm, 8 x 2 cm, 5 x 2 cm. | **1798** | 56.40 | 57.90 | 1.50 | 1.92 |
| | | | | SO crystals very pale green - pale green - whitish on core surface, in broken surface fresh pale green. | **1799** | 57.90 | 59.40 | 1.50 | 2.48 |
| | | | | Upper part is finer grained, contains < 2 cm scattered SO crystals which may show very minor | **1800** | 59.40 | 60.90 | 1.50 | 1.22 |
| | | | | greenish alteration. Rare scattered dark bluish AP crystals < 5 mm. | **568832** | DUPLICATE | | | 1.45 |
| | | | | Minor Cleavelandite in different places. | **1801** | 60.90 | 62.47 | 1.57 | 1.98 |
| | | | | | **1802** | 62.47 | 63.47 | 1.00 | 0.07 |
| | | | | | | | | | |
| **63.47** | **72.23** | | **V3** | **MAFIC VOLCANICS - ULTRAMAFICS** | | | | | |
| | | | | Dark green, fine grained, well foliated. BO phenocrysts ( 7 %) less than usual. | | | | | |
| | | | | Presence of common whitish patches which are possibly with TM - AC crystals. | | | | | |
| | | | | Rocks have a felty texture with mm accicular TM - AC randomly oriented, & ultramafic composition. | | | | | |
| | | | | Foliation subparallel, to low angle to CA. | | | | | |
| | | | | In lower part there is some infiltration of felsic material resulting in intermingling, at 71.57 - 71.87 m. | | | | | |
| | | | | | | | | | |
| **72.23** | **79.28** | 7.05 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White, coarse, finer grained only close to contacts, and near a 2 cm enclave of mafic volcanics. | **1803** | 72.23 | 73.23 | 1.00 | 0.03 |
| | | | | Upper contact 30° to CA, & lower contact high angle to CA. | **1804** | 73.23 | 74.73 | 1.50 | 0.84 |
| | | | | PG , QZ common large, minor large & small dark grey FP in finer grained parts, MV - PH common - 2 cm. | **1805** | 74.73 | 76.23 | 1.50 | 1.58 |
| | | | | SO ~ 12 - 15 %(because some parts do not have SO ). Large & small crystals. | **1806** | 76.23 | 77.26 | 1.03 | 2.15 |
| | | | | Larger crystals e.g. 6 x 1.5 cm, 5 x 2 cm. Crystals very pale green on core surface, fresh green to | **1807** | 77.26 | 78.28 | 1.02 | 1.15 |
| | | | | pale green in broken surface. Only rare SO show ST -like dark green colour. | **1808** | 78.28 | 79.28 | 1.00 | 0.07 |
| | | | | Sample- 1808 contains a 2 cm enclave of mafic volcanics causes development of fine grained MV in | | | | | |
| | | | | pegmatite near both contacts with mafic volcanics. SO crystals well oriented 40° - 50° - 60° to CA. | | | | | |
| | | | | | | | | | |
| **79.28** | **81.32** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Dark green, foliated, with common BO phenocrysts & may also contain TM - AC , BO in matrix. | | | | | |
| | | | | Possibly Ultramafic in composition. TM - AC , mm, randomly oriented accicular crystals. | | | | | |
| | | | | | | | | | |
| **81.32** | **83.08** | 1.76 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, less coarse. Upper contact subparallel, to 10° to CA. Lower contact high angle to CA. | **1809** | 81.32 | 83.08 | 1.76 | 0.02 |
| | | | | PG , QZ common small, minor dark grey FP , MV - PH minor small. | **1810** | STANDARD LOW | | | 0.86 |
| | | | | No visible SO . Scattered mm lighter blue AP . Small crystals of Cleavelandite. | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **83.08** | **107.77** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Dark green, well foliated, fine to medium grained. Common BO phenocrysts 15 - 20 %, < 1 cm. | | | | | |
| | | | | Small whitish patches < 1 cm which possibly contain TM - AC . Matrix may also contain TM - AC , BO . | | | | | |
| | | | | Only rare mm - cm felsic veins. Thicker less coarse pegmatite at - (1) 83.37 - 83.74 m contains a | | | | | |
| | | | | 5cm long yellowish green patch with MV - PH , minor Cleavelandite, no visible SO ; & | | | | | |
| | | | | (2) 83.80 - 84.75 m, minor Cleavelandite, no visible SO . | | | | | |
| | | | | Minor felsic infiltration at (1) 98.35 - 98.62 m, develops TL crystals within felsic material at contact | | | | | |
| | | | | with mafic volcanics; & (2) 102.86 - 103.08 m. | | | | | |
| | | | | | | | | | |
| | | | | **107.77 m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.59%/3.00m | 14.53 | 17.53 |
| 1.36%/8.46m | 35.75 | 44.21 |
| 1.70%/10.57m | 51.90 | 62.47 |
| 1.39%/5.05m | 73.23 | 78.28 |

LITHIUM ONE INC.

Property : James Bay Lithium

DDH # : **JBL09-58** Start : September 09, 2009

Azimuth : 110° LOCATION UTM End : September 09, 2009

Dip: -75° 358251 mE

Elevation: 212m 5789527 mN

Drilled by : Chibougamau Diamond Drilling

Logged by : M K

**Verified by:** **AJMc** on Sept. 9th, 2009

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **5.12** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **5.12** | **14.60** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Dark green, well foliated, common BO phenocrysts. Matrix contains randomly oriented mm TM - AC , | | | | | |
| | | | | & possibly BO . Foliation subparallel, to low angle to CA. | | | | | |
| | | | | A few mm - cm white felsic veins x-cutting foliation, & parallel to foliation. | | | | | |
| | | | | In one place several black crystals - possibly TL ?. | | | | | |
| | | | | | | | | | |
| **14.60** | **24.30** | 9.70 | **I1G** | **PEGMATITE (Very good section)** | | | | | |
| | | | | White, coarse, finer grained near contacts for several cm. Upper & lower contacts 20° - 25° to CA. | **1811** | 14.60 | 15.60 | 1.00 | 0.04 |
| | | | | PG , QZ common, large & small dark grey FP . | **1812** | 15.60 | 17.10 | 1.50 | 0.29 |
| | | | | MV - PH common, occur in clusters, flakes & booklets up to 4 cm | **1813** | 17.10 | 18.60 | 1.50 | 1.84 |
| | | | | SO ~ 17 %, SO shows different types - (1) very pale green on core surface, fresh pale green in | **1814** | 18.60 | 20.10 | 1.50 | 1.00 |
| | | | | broken surface; (2) pale green on core surface, in broken surface seen to be surrounded by ST -like | **1815** | 20.10 | 21.60 | 1.50 | 1.41 |
| | | | | dark green variety; (3) minor SO crystals partially replaced by ST -like dark green alteration. | **1816** | 21.60 | 23.30 | 1.70 | 0.83 |
| | | | | SO large & small crystals, large crystals e.g. 15 x 4.5 cm, 12 x 5 cm, 5 x 4 cm, 5 x 2 cm. | **1817** | 23.30 | 24.30 | 1.00 | 0.03 |
| | | | | SO crystals oriented 50° to CA. | | | | | |
| | | | | Cleavelandite crystals 2 - 3 cm common in several places, may occur over a few cm. | | | | | |
| | | | | Several fresh lighter blue AP , in one place a cluster with several crystals mm. | | | | | |
| | | | | | | | | | |
| **24.30** | **45.55** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Same as described above, dark green, common BO phenocrysts. Matrix contains common randomly | | | | | |
| | | | | oriented mm TM - AC , & also BO . Foliation parallel, subparallel, or at low angle to CA. | | | | | |
| | | | | Rare mm - cm white felsic veins. | | | | | |
| | | | | | | | | | |
| **45.55** | **51.32** | 5.77 | **I1G** | **PEGMATITE (Good section, good Cleavelandite)** | | | | | |
| | | | | White, coarse, finer grained near contacts for several cm. | **1818** | 45.55 | 46.55 | 1.00 | 0.05 |
| | | | | PG , QZ common. Cleavelandite very common, in one place over a distance of 70 cm at - | **1819** | 46.55 | 48.05 | 1.50 | 0.96 |
| | | | | 49.35 - 50.05 m, where both white & dark grey Cleavelandite are seen, crystals 2 - 5 cm, lamellar. | **1820** | 48.05 | 49.19 | 1.14 | 0.81 |
| | | | | MV - PH common, up to 4 cm. | **1821** | BLANK | | | <100 ppm |
| | | | | SO ~ 7 - 10 %, pale green on core surface, oriented subparallel, to low angle to CA. | **1822** | 49.19 | 50.32 | 1.13 | 0.34 |
| | | | | Several crystals show partial alteration to St -like dark green colour. | **1823** | 50.32 | 51.32 | 1.00 | 0.02 |
| | | | | Larger crystals e.g. 6 x 2.5 cm, 9 x 1.5 cm. | | | | | |
| | | | | In the finer grained material near contacts, there seems to be no SO . | | | | | |
| | | | | | | | | | |
| **51.32** | **67.75** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Same dark green rock, foliation subparallel to CA. Matrix contains TM - AC , BO . | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Rare mm - cm white felsic veins. | | | | | |
| | | | | FELDSPAR PORPHYRY at 65.48 - 65.93 m, broken in pieces, with Mafic volcanics penetrating | | | | | |
| | | | | in between. | | | | | |
| | | | | | | | | | |
| **67.75** | **72.10** | 4.35 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White, coarse, finer grained near contacts. Upper contact 50° , & lower contact 15° to CA. | **1824** | 67.75 | 68.75 | 1.00 | 1.37 |
| | | | | Minor Tl at contact Pegmatite - Mafic volcanic above it. | **1825** | 68.75 | 69.93 | 1.18 | 0.86 |
| | | | | PG , large & small QZ , some large dark grey FP . MV - PH common, up to 3 cm. | **1826** | 69.93 | 71.10 | 1.17 | 1.05 |
| | | | | Common presence of Cleavelandite in finer grained & coarser material. | **1827** | 71.10 | 72.10 | 1.00 | 0.02 |
| | | | | SO ~ 7 - 10 %, medium size SO crystals up to 6 x 3 cm. Minor small crystals 0.5 - 2.0 cm. | | | | | |
| | | | | SO crystals pale to very pale green, to whitish on core surface, & pale green fresh in broken surface. | | | | | |
| | | | | SO crystals oriented high angle to CA. | | | | | |
| | | | | AP - lighter greenish blue, minor, scattered, rare crystal 1 cm. | | | | | |
| | | | | Sample-1827 contains an elongate enclave of Mafic volcanics at 71.52 - 71.85 m, with pegmatite | | | | | |
| | | | | on both sides of enclave. Enclave subparallel to CA. | | | | | |
| | | | | | | | | | |
| **72.10** | **76.50** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Same dark green rock with BO phenocrysts. Matrix with TM - AC , BO . Foliation subparallel to CA. | | | | | |
| | | | | A pegmatite at 74.05 - 74.40 m, no visible SO . A 3 cm felsic vein near 75.00 m. | | | | | |
| | | | | | | | | | |
| **76.50** | **78.39** | 1.89 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, less coarse, finer grained near contacts. Upper contact 20° , & lower contact 40° to CA. | **1828** | 76.50 | 77.45 | 0.95 | <100 ppm |
| | | | | PG , small QZ , common Cleavelandite, very minor MV - PH , rare scattered bluish mm AP . | **1829** | 77.45 | 78.39 | 0.94 | 0.04 |
| | | | | No visible SO . | | | | | |
| | | | | Some large dark grey FP . Just below 77.45 m, a large dark grey FP with Cleavelandite white & grey. | | | | | |
| | | | | | | | | | |
| **78.39** | **85.39** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Same dark green rock, common BO phenocrysts. Matrix rich in TM - AC , BO . | | | | | |
| | | | | Foliation subparallel to CA. Rare cm felsic vein 4.5 cm thick x-cuts foliation. | | | | | |
| | | | | | | | | | |
| **85.39** | **87.40** | 2.01 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, finer grained at contacts. Upper & lower contacts 30° to CA. | **1830** | 85.39 | 86.40 | 1.01 | <100 ppm |
| | | | | PG , QZ common, minor MV - PH up to 2 cm. | **1831** | STANDARD HIGH | | | 1.21 |
| | | | | Common Cleavelandite, in places fan-shaped long crystals 2 - 3 cm. | **1832** | 86.40 | 87.40 | 1.00 | <100 ppm |
| | | | | No visible SO . | | | | | |
| | | | | | | | | | |
| **87.40** | **95.94** | | **V3** | **MAFIC VOLCANICS** | | | | | |
| | | | | Same dark green, foliated rock, with common BO phenocrysts. Matrix with TM - AC , BO . | | | | | |
| | | | | Foliation subparallel to CA. No felsic veins. | | | | | |
| | | | | | | | | | |
| | | | | **95.94 m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.26%/6.20m | 17.10 | 23.30 |
| 1.08%/3.35m | 67.75 | 71.10 |

LITHIUM ONE INC.

Property : James Bay Lithium

DDH # : **JBL09-59** Start : September 10, 2009

Azimuth : 110° LOCATION UTM End : September 10, 2009

Dip: -45° 358253 mE

Elevation: 222m 5789448 mN

Drilled by : Chibougamau Diamond Drilling

Logged by : M K

**Verified by: AJMc** on Sept. 10th, 2009

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **2.55** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **2.55** | **34.57** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Metatexite, migmatitic banding by thin mm - cm white mobilizate. | | | | | |
| | | | | Mobilizate content somewhat variable. Migmatitic banding parallel, to subparallel, to low angle to CA. | | | | | |
| | | | | Mobilizate layers show minor folds in places. | | | | | |
| | | | | A few fine grained white felsic veins 20 cm, 15 cm, 25 cm thick x-cut banding. | | | | | |
| | | | | Also in one place infiltration of felsic material parallel to banding. | | | | | |
| | | | | The veins may contain very minor MV flakes up to 2 cm. | | | | | |
| | | | | | | | | | |
| **34.57** | **35.77** | 1.20 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse (but less coarse than normal), finer grained near contacts. | **1833** | 34.57 | 35.77 | 1.20 | 0.01 |
| | | | | Upper contact 55° to Ca, & lower contact 20° to CA. | | | | | |
| | | | | PG , QZ small, common small dark grey FP , MV - PH . | | | | | |
| | | | | A 4 cm M2 enclave, with development of 1.5 cm aureole rich in fine grained MV around the enclave. | | | | | |
| | | | | No visible SO . But some yellowish green patches with somewhat rectangular outlines. | | | | | |
| | | | | Minor Cleavelandite. | | | | | |
| | | | | | | | | | |
| **35.77** | **37.80** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Same metatexite, migmatitic banding 30° to CA. | | | | | |
| | | | | A few mm - cm white felsic veins x-cut banding. | | | | | |
| | | | | | | | | | |
| **37.80** | **58.26** | 20.46 | **I1G** | **PEGMATITE (Excellent section, Large SO crystals)** | | | | | |
| | | | | White, coarse, less coarse near upper contact. Upper contact 45°,& lower contact subparallel to CA. | **1834** | 37.80 | 38.80 | 1.00 | 2.06 |
| | | | | PG , QZ large to very large, very minor large dark grey FP . | **1835** | 38.80 | 40.30 | 1.50 | 1.49 |
| | | | | SO ~ 20 - 25 %, very pale green to whitish on core surface, & pale green colour of fresh SO in | **1836** | 40.30 | 41.80 | 1.50 | 0.93 |
| | | | | broken surface. | **1837** | 41.80 | 43.30 | 1.50 | 0.76 |
| | | | | Commonly large SO crystals - e.g. 25 x 6 cm, 8 x 5 cm,8 x 3.5 cm, 10 x 2.5 cm, 12 x 3.5 cm. | **1838** | 43.30 | 44.80 | 1.50 | 0.82 |
| | | | | Smaller crystals 1 - 4 cm, may occur in clusters. | **1839** | 44.80 | 46.30 | 1.50 | 0.76 |
| | | | | Starting from upper contact & going down - near upper contact very minor yellowish green patches, | **1840** | 46.30 | 47.80 | 1.50 | 1.36 |
| | | | | then appearance of smaller SO crystals, & finally large crystals further down. | **1841** | 47.80 | 49.30 | 1.50 | 1.79 |
| | | | | MV - PH common, large flakes & booklets up to 3 - 7 cm. | **568833** | DUPLICATE | | | 1.63 |
| | | | | Very minor Cleavelandite, in places even in grey FP area. | **1842** | 49.30 | 50.80 | 1.50 | 1.39 |
| | | | | SO crystals oriented parallel, subparallel, to low angle 20° to CA. | **1843** | 50.80 | 52.30 | 1.50 | 2.12 |
| | | | | | **1844** | 52.30 | 53.80 | 1.50 | 2.65 |
| | | | | | **1845** | 53.80 | 55.30 | 1.50 | 1.26 |
| | | | | | **1846** | 55.30 | 56.28 | 0.98 | 1.58 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | **1847** | 56.28 | 57.26 | 0.98 | 1.30 |
| | | | | | **1848** | 57.26 | 58.26 | 1.00 | 0.87 |
| | | | | | | | | | |
| **58.26** | **73.48** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Metatexite, dark grey, migmatitic banding. Banding parallel, to subparallel, to low angle to CA. | | | | | |
| | | | | Upper contact with the pegmatite is subparallel to CA for 55 cm. | | | | | |
| | | | | M2 near pegmatite develop fine grained MV . 2 felsic veins 3 - 4 cm thick. | | | | | |
| | | | | In one place near 72.60 - 72.70 minor disseminated AS , PY . | | | | | |
| | | | | | | | | | |
| **73.48** | **80.55** | 7.07 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White, coarse, fine grained near contacts for several cm. Upper contact 30˚, lower contact 60˚ to CA. | **1849** | 73.48 | 74.48 | 1.00 | 1.12 |
| | | | | PG , QZ , dark grey FP large & small common. | **1850** | 74.48 | 75.98 | 1.50 | 1.46 |
| | | | | SO ~ 10 - 15 % (SO % reduced because of large dark grey FP , & 2 large M2 enclaves). | **1851** | STANDARD HIGH | | | 1.30 |
| | | | | SO crystals very pale to pale green to whitish on core surface; fresh pale green in broken surface. | **1852** | 75.98 | 77.48 | 1.50 | 1.34 |
| | | | | Large & small crystals. Small crystals 0.5 - 3 cm. Several large crystals e.g. 12 x 2.5 cm, 8 x 2.5 cm, | **1853** | 77.48 | 78.52 | 1.04 | 1.82 |
| | | | | 19 x 3 cm. Large crystal 19 x 3 cm is oriented parallel to CA. | **1854** | 78.52 | 79.55 | 1.03 | 1.54 |
| | | | | SO crystals oriented 30˚ to CA, to subparallel to CA. | **1855** | 79.55 | 80.55 | 1.00 | 0.31 |
| | | | | Small crystals may occur in clusters. Some smaller crystals show beginning of very minor greenish | | | | | |
| | | | | alteration, & may indicate beginings of yellowish green patches. | | | | | |
| | | | | Sample-1850 contains ~ 20 cm enclave of M2 . | | | | | |
| | | | | Sample-1851 contains 10 cm enclave of M2 . | | | | | |
| | | | | | | | | | |
| **80.55** | **84.00** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Metatexite,dark grey, migmatitic banding parallel, to subparallel, to 20˚ to CA. | | | | | |
| | | | | A 3 - 5 cm white felsic vein subparallel to banding at 81.45 - 81.95 m. | | | | | |
| | | | | A coarse QZ vein at 82.10 - 82.50 m. | | | | | |
| | | | | In places M2 contains fine disseminated AS , PY , 1 - 2 %. | | | | | |
| | | | | | | | | | |
| | | | | **84.00 m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.40%/20.46m | 37.80 | 58.26 |
| 1.45%/6.07m | 73.48 | 79.55 |

LITHIUM ONE INC.
Property :James Bay Lithium

| | | | | | |
|---|---|---|---|---|---|
| DDH # : | **JBL09-60** | Start : September 11, 2009_____ | Drilled by : | | Chibougamau |
| Azimuth : | 110° | LOCATION UTM End : September 12, 2009_____ | | | Diamond Drilling |
| Dip: | -83° | 358252 mE | Logged by : | | M K |
| Elevation: | 223m | 5789447 mN | **Verified by:** | **AJMc** | on Sept. 12,2009 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **2.88** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **2.88** | **75.06** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Metatexite, dark grey, thin mm - cm migmatitic banding. | | | | | |
| | | | | QZ , PG , BO , MV , AD Andalusite, rare scattered SF . The proportion of mobilizate somewhat variable. | | | | | |
| | | | | Migmatitic banding parallel, subparallel, to low angle to CA. PY coating on joint planes in places. | | | | | |
| | | | | AD observed between 8.00 - 15.40 m. | | | | | |
| | | | | Fine grained white felsic vein introduced in M2 subparallel to migmatitic banding (which is subparallel | | | | | |
| | | | | to CA), between 42.15 - 43.35 m; 43.75 - 44.55 m; veins contain minor MV. No visible SO . | | | | | |
| | | | | Minor scattered AS , PY grains in M2 near these felsic veins. | | | | | |
| | | | | At lower contact with pegmatite below, M2 develops MV , TL for a distance of ~ 20 cm, & | | | | | |
| | | | | M2 becomes light grey. | | | | | |
| | | | | | | | | | |
| **75.06** | **81.22** | 6.16 | **I1G** | **PEGMATITE (Very good section)** | | | | | |
| | | | | White, coarse, finer grained near contacts, less coarse in upper part, coarse in lower part. | **1856** | 75.06 | 76.06 | 1.00 | 0.25 |
| | | | | Upper contact 50° to CA, & lower contact 40° to CA. | **1857** | 76.06 | 77.56 | 1.50 | 1.24 |
| | | | | In beginning pegmatite is less coarse, but there are large QZ zones, & large dark grey FP . | **1858** | 77.56 | 79.06 | 1.50 | 1.89 |
| | | | | In less coarse part SO crystals are small, & there are some yellowish green patches. | **1859** | 79.06 | 80.22 | 1.16 | 1.12 |
| | | | | SO ~ 10 - 15 % (because less SO in less coarse part). Common small MV - PH up to 3.0 cm. | **1860** | 80.22 | 81.22 | 1.00 | 1.70 |
| | | | | In lower coarser part of pegmatite, when pegmatite becomes coarser, large SO crystals up to | | | | | |
| | | | | 7 x 5 cm, 5 x 4 cm. Large SO are commonly greyish on core surface, & minor very pale green. | | | | | |
| | | | | A large greyish SO shows ST like dark green colour in broken surface; while other greyish SO are | | | | | |
| | | | | seen to be green to pale green & fresh. | | | | | |
| | | | | Smaller SO , 1- 3 cm; there is a 15 cm zone where smaller SO occur in clusters. | | | | | |
| | | | | Just above 81 m, large SO crystals are traversed by a very thin fracture, near or through SO crystals. | | | | | |
| | | | | This has resulted in ST -like dark green alteration limited only to the immediate vicinity of the fracture. | | | | | |
| | | | | Away from fracture the SO are fresh. (PHOTO) | | | | | |
| | | | | SO crystals oriented 45° - 60° to CA. | | | | | |
| | | | | | | | | | |
| **81.22** | **83.97** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Dark grey, fine grained, homogeneous type. | | | | | |
| | | | | | | | | | |
| **83.97** | **93.46** | 9.49 | **I1G** | **PEGMATITE (Excellent section)** | | | | | |
| | | | | White, coarse. Upper & lower contacts 50° to CA. | **1861** | 83.97 | 84.97 | 1.00 | 1.26 |
| | | | | PG , QZ large common, large white FK perthitic & dark grey FP . | **1862** | BLANK | | | < 100 ppm |
| | | | | SO ~ 15 - 20 %, in parts 25 %, crystals oriented 40° - 55° to CA. | **1863** | 84.97 | 86.47 | 1.50 | 0.53 |
| | | | | Pegmatite is coarse right from the beginning, with large SO crystals. | **1864** | 86.47 | 87.97 | 1.50 | 2.30 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Both large & small SO crystals. Larger crystals up to e.g. 9 x 3 cm, 7 x 4 cm. | **1865** | 87.97 | 89.47 | 1.50 | 2.13 |
| | | | | SO mostly very pale green on core surface, & very minor greyish SO . In broken surface they are | **1866** | 89.47 | 90.97 | 1.50 | 0.89 |
| | | | | fresh pale green, green. | **1867** | 90.97 | 92.46 | 1.49 | 1.60 |
| | | | | Small SO crystals 1 - 3 cm, in places excellent clusters with numerous SO crystals. | **1868** | 92.46 | 93.46 | 1.00 | 0.63 |
| | | | | MV - PH , very common, up to 3 cm, some rare 4.5 cm. Very minor Cleavelandite in places. | | | | | |
| | | | | Rare scattered bluish AP . | | | | | |
| | | | | Just above 85 m, 2 crystals of SO are poikilitic with Vermicular QZ inside the crystals (PHOTO). | | | | | |
| | | | | There are some less coarse parts, but these also contain large SO , though fewer in number. | | | | | |
| | | | | | | | | | |
| **93.46** | **96.05** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, homogeneous type. Rare mm - cm felsic veins. | | | | | |
| | | | | Near lower contact with pegmatite below, M1 becomes lighter grey, & with development of MV , TL . | | | | | |
| | | | | | | | | | |
| **96.05** | **105.18** | 9.13 | **I1G** | **PEGMATITE (Excellent section)** | | | | | |
| | | | | This pegmatite section is continuation of similar pegmatites just above at 83.97 - 93.46 m, therefore | **1869** | 96.05 | 97.05 | 1.00 | 1.09 |
| | | | | same description applies here also. | **1870** | 97.05 | 98.55 | 1.50 | 1.56 |
| | | | | Upper & lower contacts ~ 30° to CA. | **1871** | 98.55 | 100.05 | 1.50 | 1.68 |
| | | | | SO ~ 15 - 20 %, in parts up to 25 %. Large & small SO , very pale to pale green, minor greyish, on | **1872** | STANDARD LOW | | | 0.81 |
| | | | | core surface, & in broken surface fresh, pale green. Large crystals e.g. 10 x 2.5 cm, 8 x 3.5 cm. | **1873** | 100.05 | 101.55 | 1.50 | 1.78 |
| | | | | pegmatite is less coarse in lower part, where SO crystals are smaller < 4 - 5 cm, but still quite | **1874** | 101.55 | 103.05 | 1.50 | 1.40 |
| | | | | common, & well oriented 40° - 50° to CA. | **1875** | 103.05 | 104.18 | 1.13 | 1.69 |
| | | | | | **1876** | 104.18 | 105.18 | 1.00 | 1.31 |
| **105.18** | **107.90** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, homogeneous type. Foliation at low angle to CA, to 40° to CA. | | | | | |
| | | | | Rare scattered SF grains. | | | | | |
| | | | | | | | | | |
| **107.90** | **110.00** | 2.10 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse. Upper & lower contacts 30° to CA. | **1877** | 107.90 | 108.95 | 1.05 | 1.70 |
| | | | | PG , QZ common small, common small dark grey FP , minor MV - PH . | **1878** | 108.95 | 110.00 | 1.05 | 1.37 |
| | | | | SO ~ 7 - 10 %, small crystals < 3.5 cm, pale green on core surface. | | | | | |
| | | | | Several SO crystals show partial greenish alterations. | | | | | |
| | | | | Several yellowish green patches, some show rectangular outlines. | | | | | |
| | | | | | | | | | |
| **110.00** | **112.00** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Metatexite, in part homogeneous, migmatitic banding subparallel, to low angle 25° to CA. | | | | | |
| | | | | In upper part, near contact with pegmatite, minor scattered PY , AS grains. | | | | | |
| | | | | | | | | | |
| **112.00** | **123.65** | 11.65 | **I1G** | **PEGMATITE (Very good section)** | | | | | |
| | | | | White, coarse, finer grained near contacts. Upper contact high angle, & lower contact 50° to CA. | **1879** | 112.00 | 113.00 | 1.00 | 1.16 |
| | | | | PG , QZ large & small common. | **1880** | 113.00 | 114.50 | 1.50 | 1.80 |
| | | | | MV - PH very common, several clusters, flakes & booklets up to 3.5 - 4.5 cm. | **1881** | 114.50 | 116.00 | 1.50 | 1.89 |
| | | | | SO ~ 15 - 17 %, (in upper part SO may be up to 20 %), Common larger crystals in upper parts, | **1882** | 116.00 | 117.50 | 1.50 | 1.61 |
| | | | | smaller crystals in lower part. | **568834** | DUPLICATE | | | 1.20 |
| | | | | Lower part (after 117.30 m) resembles pegmatite at 107.90 - 110 m with smaller crystals, | **1883** | 117.50 | 119.00 | 1.50 | 0.66 |
| | | | | yellowish green patches, near lower contact a cluster of small 0.5 - 1.0 cm SO crystals are all | **1884** | 119.00 | 120.50 | 1.50 | 1.35 |
| | | | | SR -like dark green. | **1885** | 120.50 | 121.58 | 1.08 | 1.55 |
| | | | | In upper part, larger crystals e.g. 11 x 6 cm, 7 x 4 cm, 8 x 4 cm, 5.5 x 4 cm, very pale green & | **1886** | 121.58 | 122.65 | 1.07 | 1.58 |
| | | | | greenish on core surface; in broken surface pale green to green & fresh. | **1887** | 122.65 | 123.65 | 1.00 | 0.44 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Small crystals 1 - 3 cm well oriented 30˚ - 50˚ to CA. | | | | | |
| | | | | Common presence of dark bluish AP crystals up to 5 mm. | | | | | |
| | | | | | | | | | |
| **123.65** | **130.63** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, homogeneous type. | | | | | |
| | | | | 2 thick felsic veins at 123.95 - 124.20 m, & 125.12 - 125.23 m. | | | | | |
| | | | | Due to the proximity to pegmatite above, M1 has become whitish grey from 123.65 to ~ 125.47 m. | | | | | |
| | | | | | | | | | |
| **130.63** | **131.73** | 1.10 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, less coarse, finer grained near contacts. Upper & lower contacts 60˚ to CA. | **1888** | 130.63 | 131.73 | 1.10 | 0.94 |
| | | | | PG , QZ large & small common, MV - PH minor small. | | | | | |
| | | | | SO ~ 5 %. Large & small crystals < 3.5 cm. Larger crystals in parts with coarse QZ . | | | | | |
| | | | | Several smaller SO crystals show green to ST -like dark green colours. | | | | | |
| | | | | Rare scattered dark bluish AP crystals. | | | | | |
| | | | | | | | | | |
| **131.73** | **138.00** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, dark grey, homogeneous type. Upper part somewhat whitish grey. | | | | | |
| | | | | Foliation 20˚ - 30˚ to CA. Very minor disseminated PY , & much less AS . | | | | | |
| | | | | | | | | | |
| **138.00** | **167.00** | 29.00 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White, coarse, finer grained near contacts for several cm. Upper contact 45˚ ,lower contact 30˚ to CA. | **1889** | 138.00 | 139.00 | 1.00 | 1.25 |
| | | | | Pegmatite mostly less coarse. PG , QZ large & small common. | **1890** | 139.00 | 140.50 | 1.50 | 0.53 |
| | | | | MV - Ph common up to 3 cm, occur in clusters also. | **1891** | 140.50 | 142.07 | 1.57 | 0.46 |
| | | | | SO ~ 10 - 15 %, fresh SO very pale to pale green to whitish/greyish. | **1892** | STANDARD HIGH | | | 1.37 |
| | | | | Mostly small crystals 0.5 - 5.00 cm, only minor SO > 5 cm. | **1893** | 142.07 | 143.50 | 1.43 | 1.75 |
| | | | | Common alteration of several SO to green & ST -like dark green colour. | **1894** | 143.50 | 145.00 | 1.50 | 1.59 |
| | | | | Small SO tend to occur in clusters. In parts with clusters, SO crystals may be closely packed. | **1895** | 145.00 | 146.50 | 1.50 | 1.20 |
| | | | | In one place, a cluster of small SO altered green. | **1896** | 146.50 | 148.00 | 1.50 | 2.06 |
| | | | | Minor yellowish green patches. SO crystals oriented at high angle to CA, & 40˚ to CA. | **1897** | 148.00 | 149.50 | 1.50 | 1.22 |
| | | | | Rare scattered dark bluish AP crystals, very rarely > 1 cm. | **1898** | 149.50 | 151.00 | 1.50 | 0.77 |
| | | | | Sample-1891 contains M1 enclave at 141.58 - 142.07 m, M1 has become whitish grey, there is | **1899** | 151.00 | 152.50 | 1.50 | 0.12 |
| | | | | development of small TL , MV . | **1900** | 152.50 | 154.00 | 1.50 | 1.01 |
| | | | | Sample-1898 contains M1 enclave at 150.82 - 151.00 m, same enclave continues in following sample. | **2401** | BLANK | | | < 100 ppm |
| | | | | Sample-1899 contains M1 enclave at 151.00 - 151.14 m, this enclave continues from previous sample; | **2402** | 154.00 | 155.50 | 1.50 | 1.18 |
| | | | | it contains one more enclave at 151.72 - 152.20 m which lies in the middle of the sample. | **2403** | 155.50 | 157.00 | 1.50 | 0.83 |
| | | | | Very minor scattered PY , AS , MV in the enclaves. | **2404** | 157.00 | 158.50 | 1.50 | 1.26 |
| | | | | | **2405** | 158.50 | 160.00 | 1.50 | 1.32 |
| | | | | | **2406** | 160.00 | 161.50 | 1.50 | 1.53 |
| | | | | | **2407** | 161.50 | 163.00 | 1.50 | 1.11 |
| | | | | | **2408** | 163.00 | 164.50 | 1.50 | 1.15 |
| | | | | | **2409** | STANDARD HIGH | | | 1.39 |
| | | | | | **2410** | 164.50 | 166.00 | 1.50 | 0.45 |
| | | | | | **2411** | 166.00 | 167.00 | 1.00 | 1.64 |
| | | | | | | | | | |
| **167.00** | **168.40** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, homogeneous type. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **168.40** | **170.40** | 2.00 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, less coarse, finer grained near contacts for < 2 cm. Upper & lower contacts 30° to CA. | **2412** | 168.40 | 169.40 | 1.00 | 0.95 |
| | | | | PG , QZ common large & small, common small dark grey FP , minor MV - PH . | **2413** | 169.40 | 170.40 | 1.00 | 1.07 |
| | | | | SO ~ 3 - 5 %, green to ST -like dark green. Minor SO crystals fresh pale green. SO oriented 30° to CA. | | | | | |
| | | | | Very rare small mm AP . | | | | | |
| | | | | | | | | | |
| **170.40** | **172.72** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, homogeneous type. | | | | | |
| | | | | 3 felsic veins 8 cm, 7 cm, 14 cm thick. 2 other veins 1 cm & 3 cm thick. These may contain tiny | | | | | |
| | | | | bluish AP , & rare altered SO . | | | | | |
| | | | | | | | | | |
| **172.72** | **173.14** | 0.42 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, less coarse, finer grained near contact for 1 - 3 cm. Both contacts 25° to CA. | **2414** | 172.72 | 173.14 | 0.42 | 0.87 |
| | | | | May contain rare altered SO . Rare tiny AP . Small clusters of black TL grains. | | | | | |
| | | | | Rare scattered AS , PY grains. | | | | | |
| | | | | | | | | | |
| **173.14** | **174.30** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same homogeneous type. | | | | | |
| | | | | | | | | | |
| **174.30** | **174.65** | 0.35 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, less coarse to finer grained. Both contacts 30° to CA. | **2415** | 174.30 | 174.65 | 0.35 | 0.11 |
| | | | | SO ~ 2 %, altering to ST -like dark green. Rare dark bluish AP small crystals < 1 cm. | | | | | |
| | | | | | | | | | |
| **174.65** | **176.35** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same homogeneous type. Foliation at low angle to CA. | | | | | |
| | | | | | | | | | |
| **176.35** | **176.83** | 0.48 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, finer grained near contacts for 2 cm. Both contacts 60° to CA. | **2416** | 176.35 | 176.83 | 0.48 | 0.02 |
| | | | | SO ~ 10 % common, mostly altered to ST -like dark green. SO oriented 40° to CA. | | | | | |
| | | | | Sample to check the result of alteration of SO . | | | | | |
| | | | | Minor MV - PH 1.5 cm. Very rare AP , SF . | | | | | |
| | | | | | | | | | |
| **176.83** | **177.35** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same homogeneous type. | | | | | |
| | | | | | | | | | |
| **177.35** | **177.72** | 0.37 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, finer grained for ~ 5 cm near contacts. Both contacts 40° to CA. | **2417** | 177.35 | 177.72 | 0.37 | 0.01 |
| | | | | Similar to 176.35 - 176.83 pegmatite. | | | | | |
| | | | | SO ~ 10 %, small crystals < 3 cm, mostly altered to ST -like dark green. | | | | | |
| | | | | Analysis to check the result of alteration. Minor MV - PH 1.5 cm. | | | | | |
| | | | | | | | | | |
| **177.72** | **179.95** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same homogeneous type. Rocks have become whitish grey. | | | | | |
| | | | | | | | | | |
| | | | | **177.72 m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.49%/5.16m | 76.06 | 81.22 |
| 1.89%/5.49m | 86.97 | 92.46 |
| 1.53%/9.13m | 96.05 | 105.18 |
| 1.53%/2.10m | 107.90 | 110.00 |
| 1.43%/10.65m | 112.00 | 122.65 |
| 1.56%/7.43m | 142.07 | 149.50 |
| 1.13%/14.50m | 152.50 | 167.00 |
| 1.01%/2.00m | 168.40 | 170.40 |

LITHIUM ONE INC.
Property :James Bay Lithium

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DDH # : | **JBL09-61** | | Start : September 13, 2009 | | Drilled by : | | Chibougamau Diamond Drilling |
| Azimuth : | 110° | LOCATION UTM | End : September 14, 2009 | | | | |
| Dip: | -70° | 358184 mE | | | Logged by : | | M K |
| Elevation: | 219m | 5789478 mN | | | **Verified by:** | **AJMc** | on Sept. 14,2009 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | JBL09-61 | | | | | |
| **0.00** | **8.20** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **8.20** | **58.00** | | **I3B** | **DIABASE DYKE** | | | | | |
| | | | | Greyish green, medium to coarse grained, Ophitic texture, rare scattered PG phenocrysts up to 3 cm. | | | | | |
| | | | | Slightly magnetic. Rare scattered tiny SF grains. Diabase ends abruptly where M2 begins. | | | | | |
| | | | | No core showing contact. | | | | | |
| | | | | | | | | | |
| **58.00** | **96.30** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Very good Metatexite with excellent mm - cm migmatitic banding. | | | | | |
| | | | | QZ , PG , BO , MV , very minor scattered PY , rare AS , in a few places possibly minor TL . | | | | | |
| | | | | Banding in most of the section is perfectly parallel to CA. | | | | | |
| | | | | Several mm white felsic veins x-cut banding. | | | | | |
| | | | | A coarse to finer grained pegmatite vein at - 72.65 - 73.15 m subparallel to banding; | | | | | |
| | | | | | | | | | |
| **96.30** | **96.70** | 0.40 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse & fine parts, minor small dark grey FP , PG , QZ . | | | | | |
| | | | | | | | | | |
| **96.70** | **113.93** | | **M1** | **METASEDIMENT - Silicified / or / Felsic volcanics** | | | | | |
| | | | | Fine grained, grey, foliated. White PG , QZ , MV in white layers. Rock looks felsic. | | | | | |
| | | | | Minor scattered PY , rare AS , the SF in places tend to be parallel to foliation. | | | | | |
| | | | | Foliation 50° to CA. A pegmatite vein at 99.62 - 99.93 m - PG , QZ , rare dark grey FP , MV - PH . | | | | | |
| | | | | | | | | | |
| **113.93** | **115.65** | 1.72 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse. Upper & lower contacts 60° to CA. | **2418** | 113.93 | 115.65 | 1.72 | <100 ppm |
| | | | | PG , QZ common large & small. Small & large MV - PH , one large booklet 7 x 3 cm. | | | | | |
| | | | | SO ~ 3 %, in central part, mm to 3 cm crystals, all ST -like dark green. | | | | | |
| | | | | Several mm bluish AP crystals. | | | | | |
| | | | | | | | | | |
| **115.65** | **119.50** | | **M1** | **METASEDIMENT - Silicified / or / Felsic volcanics** | | | | | |
| | | | | Same continuation of rocks at 96.70 - 113.93 m. Small pegmatite at 116.96 - 117.11 m. | | | | | |
| | | | | Foliation 60° to CA. Very minor scattered PY , rare AS . | | | | | |
| | | | | | | | | | |
| **119.50** | **120.05** | 0.55 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse. Both contacts 35° to CA. | **2419** | 119.50 | 120.05 | 0.55 | 0.01 |
| | | | | SO ~ 2 %, altered ST -like dark green. Rare bluish AP . Minor TL in adjoining silicified M1 . | **568835** | DUPLICATE | | | <100 ppm |
| | | | | | | | | | |
| **120.05** | **125.15** | | **M1** | **METASEDIMENT - Silicified / or / Felsic volcanics** | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Same rocks at 96.70 - 113.93 m. Foliation 30° to CA. 2 small pegmatite 9 cm & 15 cm thick. | | | | | |
| | | | | Very minor PY , rare AS . | | | | | |
| | | | | | | | | | |
| **125.15** | **144.95** | 19.80 | **I1G** | **PEGMATITE (Good section - but generalized alteration of SO )** | | | | | |
| | | | | White, coarse, finer grained near contacts for a few cm. Upper & lower contacts 45° to CA. | **2420** | 125.15 | 126.15 | 1.00 | 0.01 |
| | | | | In this section there is generalized ST -like green, & minor yellowish alteration of the majority | **2421** | 126.15 | 127.65 | 1.50 | 0.08 |
| | | | | of SO crystals. | **2422** | 127.65 | 129.15 | 1.50 | 0.07 |
| | | | | PG , QZ large to very large. In one place a very white 10 cm mineral - BL Beryl ??. | **2423** | 129.15 | 130.65 | 1.50 | 0.04 |
| | | | | MV - PH common large & small, up to 3 - 5 cm. | **2424** | 130.65 | 132.15 | 1.50 | 0.12 |
| | | | | SO ~ 15 %, in small parts SO ~ 20 % where greyish large SO is present. | **2425** | 132.15 | 133.65 | 1.50 | 0.07 |
| | | | | A large yellowish altered SO 7 x 3.5 cm. | **2426** | 133.65 | 135.15 | 1.50 | 0.05 |
| | | | | ST -like dark green altered SO 0.5 - 10 cm. Minor relics of unaltered SO may still be preserved | **2427** | 135.15 | 136.65 | 1.50 | 0.55 |
| | | | | associated with ST -like dark green SO . | **2428** | 136.65 | 138.15 | 1.50 | 1.55 |
| | | | | Near 140 m good fresh large (10 x 4 cm, 6 x 6 cm) SO whitish - greyish & very pale green on | **2429** | 138.15 | 139.65 | 1.50 | 1.21 |
| | | | | core surface. | **2430** | STANDARD LOW | | | 0.89 |
| | | | | SO crystals well oriented 25° to CA, also larger crystals may be subparallel to CA. | **2431** | 139.65 | 141.15 | 1.50 | 1.79 |
| | | | | A large dark bluish AP crystal 2.5 cm, with 5 cm & 3 cm MV - PH booklets on either side of AP crystal. | **2432** | 141.15 | 142.65 | 1.50 | 0.84 |
| | | | | Several other scattered mm AP . Rare Cleavelandite. | **2433** | 142.65 | 143.95 | 1.30 | 1.34 |
| | | | | Sample-2434 contains M1 enclave at 144.10 - 144.37 m, fine MV in M1 . | **2434** | 143.95 | 144.95 | 1.00 | 0.70 |
| | | | | | | | | | |
| **144.95** | **145.95** | | **M1** | **METASEDIMENT - Silicified / or / Felsic volcanics** | | | | | |
| | | | | Medium grey, fine grained, silicified metasediments or felsic volcanics as seen earlier. | | | | | |
| | | | | | | | | | |
| **145.95** | **146.50** | 0.55 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse. Upper & lower contacts high angle to CA. | **2435** | 145.95 | 146.50 | 0.55 | 0.84 |
| | | | | SO ~ 1 - 2 %, greenish altered crystals. | | | | | |
| | | | | | | | | | |
| **146.50** | **147.10** | | **M1** | **METASEDIMENT - Silicified / or / Felsic volcanics** | | | | | |
| | | | | Same silicified rocks as seen earlier. | | | | | |
| | | | | | | | | | |
| **147.10** | **147.67** | 0.57 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, dark grey FP near upper contact. | **2436** | 147.10 | 147.67 | 0.57 | 1.14 |
| | | | | SO ~ 1 - 2 %, greenish altered crystals. | | | | | |
| | | | | | | | | | |
| **147.67** | **150.70** | | **M1** | **METASEDIMENT - Silicified / or / Felsic volcanics** | | | | | |
| | | | | Same silicified rocks as seen earlier. | | | | | |
| | | | | 2 pegmatite veins 10 cm thick. | | | | | |
| | | | | | | | | | |
| **150.70** | **159.20** | 8.50 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White, coarse. Upper contact high angle, & lower contact 45° to CA. | **2437** | 150.70 | 151.70 | 1.00 | 1.55 |
| | | | | PG , QZ large common, minor large dark grey FP , MV - PH common up to 2 cm. | **2438** | 151.70 | 153.20 | 1.50 | 1.06 |
| | | | | SO ~ 15 %, large & small crystals, crystals 1 - 10 cm, pale green, greyish on core surface. | **2439** | BLANK | | | <100 ppm |
| | | | | Smaller SO crystals occur in clusters, & may be packed in certain places, thus richer in SO . | **2440** | 153.20 | 154.70 | 1.50 | 1.37 |
| | | | | Many SO crystals show partial alterations. In upper parts greenish alterations common. | **2441** | 154.70 | 156.20 | 1.50 | 1.30 |
| | | | | Large crystals everywhere tend to be resistant to alteration. | **2442** | 156.20 | 157.20 | 1.00 | 1.75 |
| | | | | Other type of alteration of SO is yellowish green. | **2443** | 157.20 | 158.20 | 1.00 | 1.09 |
| | | | | SO crystals oriented 30° - 40° to CA. Rare bluish mm AP crystals. | **2444** | 158.20 | 159.20 | 1.00 | 0.73 |
| | | | | | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **159.20** | **166.06** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, homogeneous type. | | | | | |
| | | | | A few pegmatites at - 160.65 - 160.77 m; 161.30 - 161.70 m 1 - 2 % SO ; 163.70 - 164.10 m | | | | | |
| | | | | about 3 % SO , altering dark green, very minor TL near contact with pegmatite. | | | | | |
| | | | | | | | | | |
| **166.06** | **166.85** | 0.79 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, finer grained near contacts. Both contacts high angle to CA. | **2445** | 166.06 | 166.85 | 0.79 | 0.02 |
| | | | | PG , QZ , some large dark grey FP , MV - PH rare. Rare bluish AP < 1 cm. | | | | | |
| | | | | SO ~ 5 %, large & small crystals up to 4.5 cm, altering to ST -like dark green. | | | | | |
| | | | | | | | | | |
| **166.85** | **167.35** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, whitish grey due to proximity to pegmatites. Disseminated TL crystals. | | | | | |
| | | | | | | | | | |
| **167.35** | **167.95** | 0.60 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, less coarse, finer grained for 15 cm in upper part, & 4 cm in lower part. Contacts 45° to CA. | **2446** | 167.35 | 167.95 | 0.60 | 1.00 |
| | | | | SO ~ 5 %, crystals 1 cm - 5.5 x 1.5 cm. Larger crystals very pale green on core surface, fresh, | | | | | |
| | | | | with only minor dark green alteration near margins of crystals. | | | | | |
| | | | | Some smaller crystals completely dark green. Rare mm AP . | | | | | |
| | | | | | | | | | |
| **167.95** | **170.87** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, whitish grey to medium grey. | | | | | |
| | | | | Whitish grey between 167.95 - 168.90 m, with minor disseminated TL a seen above also. | | | | | |
| | | | | Pegmatite at 168.90 - 169.12 m fine grained rare mm AP ; the between 169.12 - 170.87 m | | | | | |
| | | | | Metasediment M1 homogeneous type. Foliation subparallel to CA. | | | | | |
| | | | | | | | | | |
| **170.87** | **171.47** | 0.60 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse & fine. Upper & lower contacts 45° to CA. | **2447** | 170.87 | 171.47 | 0.60 | 0.02 |
| | | | | Large & small SO crystals, mostly altered to greenish colour, SO crystals up to 4 cm. | | | | | |
| | | | | SO ~ 5 - 7 %, several crystals oriented 35° to CA. | | | | | |
| | | | | On both sides of pegmatite M1 becomes whitish grey, & contains minor MV , TL . | | | | | |
| | | | | | | | | | |
| **171.47** | **172.30** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, homogeneous type. | | | | | |
| | | | | A 3 cm felsic vein in upper part develops TL in M1 on both sides of vein. | | | | | |
| | | | | | | | | | |
| **172.30** | **175.20** | 2.90 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, finer grained near contacts for several cm. | **2448** | 172.30 | 173.75 | 1.45 | 2.45 |
| | | | | pg , large QZ , minor dark grey FP . Minor MV - PH 1 cm. | **2449** | 173.75 | 175.20 | 1.45 | 1.84 |
| | | | | SO ~ 7 % (because in some parts no SO ), SO crystals large & small, up to 7 cm, pale green. | **2450** | STANDARD HIGH | | | 1.35 |
| | | | | Smaller SO crystals oriented 50° to CA. Only minor alteration of SO crystals. | | | | | |
| | | | | 1 large dark bluish AP 2 x 1 cm. | | | | | |
| | | | | | | | | | |
| **175.20** | **175.75** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, whitish grey, homogeneous type. Minor MV . Foliation 45° to CA. | | | | | |
| | | | | | | | | | |
| **175.75** | **177.63** | 1.88 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarser grained in lower part, finer grained in upper part. Both contacts 35° to CA. | **2451** | 175.75 | 176.69 | 0.94 | 0.54 |
| | | | | SO ~ 5 - 7 % (because no SO in upper part, & a 15 cm M1 enclave in lower part). | **2452** | 176.69 | 177.63 | 0.94 | 1.72 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | PG , QZ , minor dark grey FP . | | | | | |
| | | | | SO crystals very pale green, whitish. Only very minor SO show greenish alteration. | | | | | |
| | | | | Several tiny bluish AP . | | | | | |
| | | | | M1 enclave, & M1 on both sides of pegmatite develop some TL , MV . | | | | | |
| | | | | Sample-2452 contains a 15 cm M1 enclave. | | | | | |
| | | | | | | | | | |
| **177.63** | **178.19** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Whitish grey to medium grey, homogeneous type. Development of TL , MV . | | | | | |
| | | | | | | | | | |
| **178.19** | **178.87** | 0.68 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, less coarse. Upper & lower contacts high angle to CA. | **2453** | 178.19 | 178.87 | 0.68 | 1.84 |
| | | | | SO ~ 7 - 10 %, very pale green, only minor SO alter dark green, & minor SO alter to yellowish patches. | | | | | |
| | | | | But there are several fresh very pale green small SO crystals < 2 cm in clusters. | | | | | |
| | | | | | | | | | |
| **178.87** | **182.02** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, whitish grey to light grey. Foliation subparallel to CA. | | | | | |
| | | | | Minor development of TL , MV in places. | | | | | |
| | | | | | | | | | |
| **182.02** | **193.20** | 11.18 | **I1G** | **PEGMATITE (Very good section)** | | | | | |
| | | | | White, coarse, finer grained near contacts for a few cm. Both contacts high angle to CA. | **2454** | 182.02 | 183.02 | 1.00 | 1.80 |
| | | | | PG , QZ large & small common, minor dark grey FP , rare AP . | **2455** | 183.02 | 184.52 | 1.50 | 1.75 |
| | | | | SO ~ 15 %, generally long slender crystals rather uniformly distributed, crystals up to 5 x 1 cm. | **2456** | 184.52 | 186.02 | 1.50 | 0.91 |
| | | | | These slender crystals show excellent orientation from subparallel, to 35° to CA. | **2457** | 186.02 | 187.52 | 1.50 | 1.82 |
| | | | | SO crystals very pale green to whitish greyish on core surface, fresh & pale green in broken surface. | **2458** | 187.52 | 189.02 | 1.50 | 1.49 |
| | | | | Only very minor SO crystals show ST -like dark green colour. | **2459** | 189.02 | 190.52 | 1.50 | 1.62 |
| | | | | Also, a few crystals below 191 m show yellowish green alteration. | **2460** | 190.52 | 192.20 | 1.68 | 0.96 |
| | | | | Also, very minor small yellowish green patches in lower part. | **2461** | 192.20 | 193.20 | 1.00 | 0.90 |
| | | | | | **568836** | DUPLICATE | | | 0.71 |
| **193.20** | **194.35** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same fine grained, medium grey, homogeneous type. | | | | | |
| | | | | | | | | | |
| **194.35** | **197.35** | 3.00 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White, coarse. Upper & lower contacts high angle to CA. | **2462** | 194.35 | 195.35 | 1.00 | 1.10 |
| | | | | pg , QZ , common dark grey FP , minor small MV - PH . | **2463** | 195.35 | 196.35 | 1.00 | 0.65 |
| | | | | SO ~ 7 - 10 %, small crystals < 4 cm. Majority of SO crystals with alteration effects. | **2464** | 196.35 | 197.35 | 1.00 | 0.22 |
| | | | | Mixed types of SO = very pale green fresh slender crystals; ST -like dark green alteration; | | | | | |
| | | | | greenish alteration; minor yellowish green patches. | | | | | |
| | | | | SO crystals oriented subparallel, to low angle to CA. | | | | | |
| | | | | | | | | | |
| **197.35** | **197.85** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same fine grained, medium grey, homogeneous type. | | | | | |
| | | | | | | | | | |
| **197.85** | **198.93** | 1.08 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, finer grained for 1 cm near contacts. Upper & lower contacts 60° to CA. | **2465** | 197.85 | 198.93 | 1.08 | 0.75 |
| | | | | PG , QZ , minor small dark grey FP , very minor MV - PH . | | | | | |
| | | | | SO ~ 7 %, small crystals < 2.5 cm, when fresh very pale green. | | | | | |
| | | | | Several SO altering to a greenish colour. | | | | | |
| | | | | SO crystals oriented subparallel, to low angle to CA. | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **198.93** | **204.72** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same fine grained, medium grey, homogeneous type. | | | | | |
| | | | | | | | | | |
| **204.72** | **205.67** | 0.95 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse. Upper contact 30˚ , & lower contact 50˚ to CA. | **2466** | 204.72 | 205.67 | 0.95 | 1.35 |
| | | | | PG , QZ , minor MV - PH up to 1 cm. | | | | | |
| | | | | SO ~ 7 %, fresh SO very pale green on core surface. | | | | | |
| | | | | Slender crystals < 6 x 1 cm, well oriented 30˚ to CA, or subparallel to CA. | | | | | |
| | | | | Only minor greenish alteration. | | | | | |
| | | | | | | | | | |
| **205.67** | **209.85** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same medium to dark grey, fine grained, homogeneous type. | | | | | |
| | | | | 3 felsic veins 1 cm, 1.5 cm, & 3.5 cm thick. | | | | | |
| | | | | A thicker pegmatite vein at 207.47 - 208.03 m. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | **209.85 m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.35%/7.30m | 136.65 | 143.95 |
| 1.13%/7.30m | 150.70 | 158.20 |
| 2.15%/2.90m | 172.30 | 175.20 |
| 1.40%/11.18m | 182.02 | 193.20 |

LITHIUM ONE INC.

Property : James Bay Lithium

DDH # : **JBL09-70** Start : 11-Sep-09 Drilled by : Chibougamau

Azimuth : 110° LOCATION UTM End : 12-Sep-09 Diamond Drilling

Dip: -65° 358196 mE Logged by : A. Peskepia

Elevation: 220m 5789416 mN **Verified by: AJMc** on Sept. 12,2009

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **6.80** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **6.80** | **111.65** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Light to medium grey, fine grained, massive FP- | | | | | |
| | | | | QZ+/-BO metasediment. | | | | | |
| | | | | 15.0 to 22.0 moderate fracturing; 22.0 to 24.0 | | | | | |
| | | | | strong fracturing, grounded core. | | | | | |
| | | | | 23.0-24.0 0.5m lost core. | | | | | |
| | | | | 34.5 to 41.5 several 5-10cm thick quartz veins; | | | | | |
| | | | | fine grained tourmaline in the groundmass gives | | | | | |
| | | | | a light brown colour. Weak foliation at 60 to CA | | | | | |
| | | | | 53.50-54.50 dark green, subrounded <1cm in | | | | | |
| | | | | size andalusite? Porphyroblasts. | | | | | |
| | | | | 60-72.0 slightly darker grey colour due to higher | | | | | |
| | | | | biotite content. | | | | | |
| | | | | 97.5-111.65 foliation subparallel to CA. | | | | | |
| | | | | | | | | | |
| **111.65** | **139.92** | 28.27 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, very coarse PG-QZ-SP-FP-MV-PH peg- | **2061** | 111.65 | 112.65 | 1.00 | 0.03 |
| | | | | matite. | **2062** | 112.65 | 114.15 | 1.50 | 0.02 |
| | | | | Upper contact at 15 to CA. | **983** | DUPLICATE | | | 0.02 |
| | | | | Fine grained plagioclase plus muscovite near | **2063** | 114.15 | 115.65 | 1.50 | 1.08 |
| | | | | upper contact for about 50cm. | **2064** | 115.65 | 117.15 | 1.50 | 1.50 |
| | | | | 112.2-115.0 massive quartz, plagioclase and | **2065** | 117.15 | 118.65 | 1.50 | 1.56 |
| | | | | yellowish fine grained muscovite. | **2066** | 118.65 | 120.15 | 1.50 | 1.49 |
| | | | | 115.0-116.7 minor spodumene as 1-2cm grey | **2067** | 120.15 | 121.65 | 1.50 | 1.03 |
| | | | | crystals. | **2068** | 121.65 | 123.15 | 1.50 | 1.24 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 116.7-121.0 very coarse section with large, | **2069** | 123.15 | 124.65 | 1.50 | 0.07 |
| | | | | spodumene crystals pale green, in massive | **2070** | STANDARD-HIGH | | | 1.28 |
| | | | | quartz and palgioclase matrix with large phlogopi- | **2071** | 124.65 | 126.15 | 1.50 | 0.05 |
| | | | | te crystals; ~15% spodumene. | **2072** | 126.15 | 127.65 | 1.50 | 0.01 |
| | | | | 121.0-128.0 ~5% spodumene as dark green | **2073** | 127.65 | 129.15 | 1.50 | 0.42 |
| | | | | serpentine altered grains; some completely rep- | **2074** | 129.15 | 130.65 | 1.50 | 1.20 |
| | | | | laced by serpentine from 124.0-128.0 in a white | **2075** | 130.65 | 132.15 | 1.50 | 1.48 |
| | | | | plagioclase quartz matrix. | **2076** | 132.15 | 133.65 | 1.50 | 0.44 |
| | | | | 128.0-132.5 ~10% spodumene as small 1-2cm | **2077** | 133.65 | 135.15 | 1.50 | 4.00 |
| | | | | greyish-green crytals. | **2078** | 135.15 | 136.65 | 1.50 | 1.72 |
| | | | | 132.50-136.50 very coarse section with massive | **2079** | 136.65 | 137.85 | 1.20 | 1.58 |
| | | | | plagioclase, quartz and feldspar, coasre phlogo- | **2080** | 137.85 | 138.92 | 1.07 | 0.24 |
| | | | | pite and a 2cm long apatite grain at 133.85m. | **2081** | 138.92 | 139.92 | 1.00 | 0.93 |
| | | | | 134.05-135.05 massive spodumene, pale green | | | | | |
| | | | | fresh, very alrge crytal; 134.57-134.80 coarse | | | | | |
| | | | | PH-QZ-PG section. | | | | | |
| | | | | 136.50-138.0 smaller size spodumene grains, | | | | | |
| | | | | gryish-green, some partially altered to serpenti- | | | | | |
| | | | | ne. | | | | | |
| | | | | 138.0-139.92 no visible spodumene, PG-FP-QZ | | | | | |
| | | | | section with minor fine grained muscovite. | | | | | |
| | | | | Lower contact at 65 to CA. | | | | | |
| | | | | | | | | | |
| **139.92** | **150.00** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained FP-QZ-BO metasedi- | | | | | |
| | | | | ment. Well foliated at 75 to CA at 140.5m. | | | | | |
| | | | | 141.2-141.7 quartz-tourmaline veining parallel | | | | | |
| | | | | to CA. | | | | | |
| | | | | 146.0 foliation subparallel to CA. | | | | | |
| | | | | 146.60-147.70 grounded core, broken pieces | | | | | |
| | | | | of pegmatite ~5cm in size at 146.8 and from | | | | | |
| | | | | 147.15 to 147.35. | | | | | |
| | | | | 147.70-150.0 2.30m of lost core. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **150.00** | **158.00** | 8.00 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse PG-SP-QZ-FP pegmatite | **2082** | 150.00 | 151.00 | 1.00 | 0.67 |
| | | | | Upper contact at 75 to CA. | **2083** | BLANK | | | <100 ppm |
| | | | | Fine grained, sugary texutred plagioclase for 45 | **2084** | 151.00 | 152.50 | 1.50 | 0.94 |
| | | | | cm at upper contact. | **2085** | 152.50 | 154.00 | 1.50 | 1.61 |
| | | | | Coarse spodumene, large 5-7cm long crystals | **2086** | 154.00 | 155.50 | 1.50 | 1.77 |
| | | | | altered to serpentine around the edges. | **2087** | 155.50 | 157.00 | 1.50 | 1.28 |
| | | | | 151.5-154.5 very coarse section with massive | **2088** | 157.00 | 158.00 | 1.00 | 1.64 |
| | | | | quartz, large plagioclase and feldspar crystals | | | | | |
| | | | | and good fresh, pale green spodumene. | | | | | |
| | | | | 154.5-158.0 smaller grains of spodumene, pale | | | | | |
| | | | | green to light grey. | | | | | |
| | | | | Overlall 10-15% spodumene. | | | | | |
| | | | | Lower contact at 30 to CA. | | | | | |
| | | | | | | | | | |
| **158.00** | **169.40** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium to dark grey, well foliated FP-QZ-BO | | | | | |
| | | | | metasediment; foliation varies from 20 to CA | | | | | |
| | | | | at 160.0m to 55 to CA at 165.20m | | | | | |
| | | | | 161.90-162.50 white, coarse PG-QZ-MV+/-SP | **2089** | 161.90 | 162.50 | 0.60 | 0.02 |
| | | | | pegmatite with minor spodumene altered to | | | | | |
| | | | | greenish-brown serpentine. Broken core at upper | | | | | |
| | | | | contact; lower contact at 60 to CA. | | | | | |
| | | | | 165.30-166.20 white, texturally zone pegmatite | **2090** | 165.30 | 166.20 | 0.90 | 0.03 |
| | | | | dyke with a coarse center and fine grained near | | | | | |
| | | | | both contacts PG-QZ-FP-MV, no visible spodu- | | | | | |
| | | | | mene. Fine grained plagioclase and muscovite | | | | | |
| | | | | for 15-20cm at both contacts | | | | | |
| | | | | Upper contact at 60 to CA; lower contact at 40 | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |
| **169.40** | **175.10** | 5.70 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse grained PG-SP-QZ-FP-PH pegma- | **2091** | STANDARD-LOW | | | 0.82 |
| | | | | tite. Upper contact at 55 to CA. | **2092** | 169.40 | 170.40 | 1.00 | 3.06 |
| | | | | 15% spodumene as pale green, fresh, large | **2093** | 170.40 | 171.90 | 1.50 | 2.58 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | >5cm long crystals forming semi-massive sections | **2094** | 171.90 | 173.00 | 1.10 | 1.28 |
| | | | | from 170.5-171.90. | **2095** | 173.00 | 174.10 | 1.10 | 1.65 |
| | | | | Dark grey to black feldspar patches, coarse phlo- | **2096** | 174.10 | 175.10 | 1.00 | 0.41 |
| | | | | gopite and few apatite grains at 170.3 and | | | | | |
| | | | | 173.0m. | | | | | |
| | | | | Lower contact irregular ~50 to CA. | | | | | |
| | | | | | | | | | |
| **175.10** | **177.00** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 158.0-169.40m. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | **177.00m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.34%/8.82m | 114.20 | 123.02 |
| 1.74%/8.70m | 129.20 | 137.90 |
| 1.43%/7.00m | 151.00 | 158.00 |
| 2.16%/4.70m | 169.40 | 174.10 |

LITHIUM ONE INC.
Property : James Bay-Lithium

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DDH # : | **JBL09-62** | | Start : | 14-Aug-09 | Drilled by : | | Chibougamau |
| Azimuth : | 145° | LOCATION UTM | End : | 14-Aug-09 | | | Diamond Drilling |
| Dip: | -45° | 357820 mE | | | Logged by : | | A.Peshkepia |
| Elevation: | 211m | 5789632 mN | | | **Verified by:** | **AJMc** | Jan 20th, 2010 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **2.30** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **2.30** | **18.63** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained, massive FP-QZ-BO | | | | | |
| | | | | metasediment; weak to moderate foliation at 50 | | | | | |
| | | | | to CA. Few 3-5cm quartz veins. | | | | | |
| | | | | 15.03-15.43; 40 cm white, medium grained QZ- | | | | | |
| | | | | PG-FP-MV pegmatite; no visible SP; oriented at | | | | | |
| | | | | 50 to CA. | | | | | |
| | | | | | | | | | |
| **18.63** | **22.18** | 3.55 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White with dark grey patches, medium to coarse | **1075** | 18.63 | 19.63 | 1.00 | 0.59 |
| | | | | grained PG-FP-SP-QZ+/-MV pegmatite dyke; | **1076** | 19.63 | 21.18 | 1.55 | 1.54 |
| | | | | yellowish-green muscovite plus fine grained PG | **1077** | 21.18 | 22.18 | 1.00 | 0.61 |
| | | | | near upper contact for about 35cm. | | | | | |
| | | | | Upper contact at 45 to CA. | | | | | |
| | | | | 10-15% spodumene as 2-3cm crystals subpara- | | | | | |
| | | | | llel to CA, pale green in colour. Fine grained, | | | | | |
| | | | | sugary textured PG plus fine grained MV for ~50 | | | | | |
| | | | | cm near lower contact. | | | | | |
| | | | | Lower contact at 65 to CA. | | | | | |
| | | | | | | | | | |
| **22.18** | **39.57** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained FP-QZ-BO metasedi- | | | | | |
| | | | | ment; moderate foliation at 65 to CA from upper | | | | | |
| | | | | contact to 23.8m; | | | | | |
| | | | | 23.8-28.0 foliation oriented at 45 to CA; | | | | | |
| | | | | 28.0-38.0 foliation varies from 20 to CA to para- | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | llel to CA. | | | | | |
| | | | | | | | | | |
| **39.57** | **50.87** | 11.30 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, PG-FP-SP-QZ-MV pegmatite; | **1078** | 39.57 | 40.57 | 1.00 | 1.20 |
| | | | | upper contact at 60 to CA. | **1079** | 40.57 | 42.07 | 1.50 | 1.69 |
| | | | | 20-25% spodumene as pale green to white, | **1080** | 42.07 | 43.57 | 1.50 | 2.11 |
| | | | | up to 5cm crystals, most crystals fractured | **1081** | 43.57 | 45.07 | 1.50 | 1.74 |
| | | | | and broken up. Trace apatite. Minor phlogopite | **1082** | 45.07 | 46.57 | 1.50 | 1.95 |
| | | | | at the center of dyke. Fine muscovite for about | **1083** | 46.57 | 48.07 | 1.50 | 1.21 |
| | | | | 10cm near the lower contact. | **1084** | BLANK | | | <100 ppm |
| | | | | Lower contact at 30 to CA. | **1085** | 48.07 | 48.97 | 0.90 | 2.00 |
| | | | | | **1086** | 48.97 | 49.87 | 0.90 | 1.45 |
| | | | | | **1087** | 49.87 | 50.87 | 1.00 | 0.64 |
| | | | | | | | | | |
| **50.87** | **60.07** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium to dark grey, fine grained, massive | | | | | |
| | | | | FP-QZ-BO metasediment; weak foliation at 25 | | | | | |
| | | | | to CA from upper contact to 52.45m; | | | | | |
| | | | | 52.45 to 60.07 foliation changes to subparallel | | | | | |
| | | | | to CA to 15 to CA. | | | | | |
| | | | | | | | | | |
| **60.07** | **87.45** | 27.38 | **I1G** | **PEGMATITE** | **1088** | 60.07 | 61.07 | 1.00 | 0.13 |
| | | | | White, coarse grained, PG-SP-QZ-FP-MV pegma- | **1089** | 61.07 | 62.57 | 1.50 | 1.85 |
| | | | | tite. Upper contact at 15 to CA. | **1090** | 62.57 | 64.07 | 1.50 | 1.72 |
| | | | | Fine grained muscovite plus plagioclase and qua- | **1091** | 64.07 | 65.57 | 1.50 | 1.96 |
| | | | | rtz for about 50cm near upper contact. | **1092** | 65.57 | 67.07 | 1.50 | 0.97 |
| | | | | Coarse pale green spodumene up to 6cm cryst- | **1092rp** | | | | 0.85 |
| | | | | als from 61.8 to 66.6m; some smaller spodumene | **1093** | 67.07 | 68.57 | 1.50 | 1.22 |
| | | | | crystals are altered to dark green serpentine; | **1094rp** | STANDARD-LOW | | | 0.77 |
| | | | | coarse feldspar, phlogopite and quartz in the | **1094** | | | | 0.81 |
| | | | | same interval. | **1095** | 68.57 | 70.07 | 1.50 | 2.13 |
| | | | | Few subhedral apatite grains up to 1cm across. | **1096** | 70.07 | 71.57 | 1.50 | 1.39 |
| | | | | 66.65-67.07; 0.42m metasediment xenolith with | **1097** | 71.57 | 73.07 | 1.50 | 1.94 |
| | | | | pervasive fine grained mica; upper contact at | **1098** | 73.07 | 74.57 | 1.50 | 1.79 |
| | | | | 10 to CA, lower contact at 70 to CA. | **1099** | 74.57 | 76.07 | 1.50 | 1.65 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 67.25-67.75 0.5m M1 metasediment xenolith | **1100** | 76.07 | 77.57 | 1.50 | 0.67 |
| | | | | upper contact at 40 to CA; lower contact at | **1101** | 77.57 | 79.07 | 1.50 | 1.92 |
| | | | | 20 to CA. | **1102** | 79.07 | 80.57 | 1.50 | 1.63 |
| | | | | From 67.25 to 76.47 spodumene grains are rela- | **1103** | 80.57 | 82.07 | 1.50 | 1.42 |
| | | | | tively small but more in quantity. | **1104** | 82.07 | 83.57 | 1.50 | 1.93 |
| | | | | from 77.2 to 81.0 coarser pale green fresh, | **972** | DUPLICATE | | | 1.91 |
| | | | | spodumene. | **1105** | 83.57 | 85.07 | 1.50 | 1.29 |
| | | | | 81.0-87.45 smaller size 1-2cm spoduemene crys- | **1106** | 85.07 | 86.45 | 1.38 | 1.97 |
| | | | | tals. | **1107** | 86.45 | 87.45 | 1.00 | 0.82 |
| | | | | Overall this section contains 30-35% spodumene | | | | | |
| | | | | Fine grained muscovite plus dark grey feldspar | | | | | |
| | | | | from 87.0 to 87.45. Trace garnets at 87.0m. | | | | | |
| | | | | Lower contact at 35 to CA. | | | | | |
| | | | | | | | | | |
| **87.45** | **89.88** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium to dark grey, fine grained, massive | | | | | |
| | | | | FP-QZ-BO metasediment. | | | | | |
| | | | | | | | | | |
| **89.88** | **97.76** | 7.88 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, white PG-SP-QZ-FP+/-MV peg- | | | | | |
| | | | | matite dyke with about 30% spodumene as rela- | **1108** | 89.88 | 90.88 | 1.00 | 1.40 |
| | | | | tively small <3cm grains of irregular shapes, few | **1109** | 90.88 | 92.38 | 1.50 | 1.47 |
| | | | | large up to 7cm subhedral crystals. | **1110** | 92.38 | 93.88 | 1.50 | 2.02 |
| | | | | Upper contact at 75 to CA. Spodumene is coar- | **1111** | 93.88 | 95.38 | 1.50 | 1.92 |
| | | | | ser grained from upper contac to 93.0m. | **1112** | 95.38 | 96.76 | 1.38 | 1.96 |
| | | | | Fine grained muscovite plus milky white plagio- | **1113** | 96.76 | 97.76 | 1.00 | 0.98 |
| | | | | clase from 97.4 to 97.76m. | **1114** | STANDARD-HIGH | | | 1.34 |
| | | | | One 1cm across subhedral garnet at 97.1m. | | | | | |
| | | | | Lower contact at at 45 to CA. | | | | | |
| | | | | | | | | | |
| **97.76** | **101.57** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, FP-QZ-BO metasediment; | | | | | |
| | | | | weak foliation at 60 to CA. | | | | | |
| | | | | | | | | | |
| **101.57** | **143.40** | 41.83 | **I1G** | **PEGMATITE** | | | | | |

LITHOLOGY

| From | To | Length | Rock | Description | Sample # | From | To | Length | $Li_2O$ |
|---|---|---|---|---|---|---|---|---|---|
| | | (m) | Code | | | | | (m) | (%) |
| | | | | White, coarse grained PG-FP-SP-QZ+/-MI | | | | | |
| | | | | pegmatite. Upper contact at 75 to CA. Fine | **1115** | 101.57 | 102.57 | 1.00 | 0.74 |
| | | | | grained muscovite plus sugary textured plagio- | **1116** | 102.57 | 104.07 | 1.50 | 1.49 |
| | | | | clase for about 35cm near the upper contact. | **1117** | 104.07 | 105.57 | 1.50 | 1.50 |
| | | | | Coarse spodumene, feldspar (white) and quartz | **1118** | 105.57 | 107.07 | 1.50 | 2.35 |
| | | | | from 103.0 to 111.0m. | **1119** | 107.07 | 108.57 | 1.50 | 0.79 |
| | | | | 106.5-107.4 massive quartz plus feldspar with | **1120** | 108.57 | 110.07 | 1.50 | 2.07 |
| | | | | few large spodumene crystals. | **1121** | 110.07 | 111.57 | 1.50 | 1.06 |
| | | | | From 101.57 to 120.0 the dyke contains 20-25% | **1122** | 111.57 | 113.07 | 1.50 | 1.08 |
| | | | | spodumene. | **1123** | 113.07 | 114.57 | 1.50 | 1.82 |
| | | | | 121.0-123.5 few cm size patches of fine grained | **1124** | 114.57 | 116.07 | 1.50 | 1.17 |
| | | | | yellowish-brown muscovite; coarse spodumene | **1125** | BLANK | | | <100 ppm |
| | | | | as pale green crustals, feldspar is mostly white | **1126** | 116.07 | 117.57 | 1.50 | 1.60 |
| | | | | to very light grey. | **1127** | 117.57 | 119.07 | 1.50 | 1.45 |
| | | | | 120.0-143.40 this section contains slightly more | **1128** | 119.07 | 120.57 | 1.50 | 2.76 |
| | | | | spodumene than the upper half of the pegmatite; | **1129** | 120.57 | 122.07 | 1.50 | 2.28 |
| | | | | 25-30% spodumene as predominantly small | **1130** | 122.07 | 123.57 | 1.50 | 1.75 |
| | | | | <2-3cm crystals of irregular shape. | **1131** | 123.57 | 125.07 | 1.50 | 2.06 |
| | | | | 129.40-129.75 metasediment xenolith at 30 to | **1132** | 125.07 | 126.57 | 1.50 | 2.26 |
| | | | | CA. | **1133** | 126.57 | 128.07 | 1.50 | 1.35 |
| | | | | 131.58-131.72 micaceous M1 metasediment | **1134** | 128.07 | 129.57 | 1.50 | 1.52 |
| | | | | xenolith at 40 to CA. | **1135** | STANDARD-HIGH | | | 1.34 |
| | | | | 133.76-134.20 fine grained, grey, micaceous M1 | **1136** | 129.57 | 131.07 | 1.50 | 1.06 |
| | | | | metasediemtn xenolith at 45 to CA. | **1137** | 131.07 | 132.57 | 1.50 | 1.11 |
| | | | | Lower contact of pegmatite is sharp at 65 to CA. | **1138** | 132.57 | 134.07 | 1.50 | 1.25 |
| | | | | | **1139** | 134.07 | 135.57 | 1.50 | 1.71 |
| | | | | | **1140** | 135.57 | 137.07 | 1.50 | 1.63 |
| | | | | | **1141** | 137.07 | 138.57 | 1.50 | 1.56 |
| | | | | | **1142** | 138.57 | 140.07 | 1.50 | 1.49 |
| | | | | | **1143** | 140.07 | 141.57 | 1.50 | 1.70 |
| | | | | | **1144** | 141.57 | 142.40 | 0.83 | 1.85 |
| | | | | | **1145** | 142.40 | 143.40 | 1.00 | 1.08 |
| | | | | | **973** | DUPLICATE | | | 1.03 |
| | | | | | | | | | |
| **143.40** | **147.00** | | **M1** | **METASEDIMENT** | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Fine grained, grey, massive FP-QZ-BO metase- | | | | | |
| | | | | diment; very weak foliation at 60 to CA. | | | | | |
| | | | | | | | | 26.38 | 1.58 |
| | | | | | | | | 7.88 | 1.67 |
| | | | | **147.00m E.O.H.** | | | | 40.83 | 1.60 |

**ASSAY (averages) SUMMARY**

| | from | to | |
|---|---|---|---|
| 1.68%/10.30m | 39.57 | 49.87 | |
| 1.46%/82.33m | 61.07 | 143.40 | (including) |
| 1.58%/26.38m | 61.07 | 87.45 | (&) |
| 1.67%/7.88m | 89.88 | 97.76 | (&) |
| 1.60%/40.83m | 102.57 | 143.40 | |
| *2.22%/7.50m* | *119.07* | *126.57* | (including) |

LITHIUM ONE INC.
Property : James Bay Lithium

DDH # : **JBL09-63** Start : 15-Aug-09 Drilled by : Chibougamau
Azimuth : 145° LOCATION UTM End : 16-Aug-09 Diamond Drilling
Dip: -45° 357855 mE Logged by : A.Peshkepia
Elevation: 211m 5789671 mN **Verified by:** **AJMc** on August 16th, 2009

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **2.75** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **2.75** | **26.15** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained, weak foliation at 25 | | | | | |
| | | | | to 40 to CA, FP-QZ-BO metasediment. | | | | | |
| | | | | | | | | | |
| **26.15** | **29.85** | 3.70 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, medium to coarse grained PG-FP-QZ-PH- | **1146** | 26.15 | 27.15 | 1.00 | 0.02 |
| | | | | SP-MV pegmatite dyke. | **1147** | 27.15 | 28.00 | 0.85 | 0.02 |
| | | | | Upper contact at at 50 to CA. Fine grained MV | **1148** | 28.00 | 28.85 | 0.85 | 0.02 |
| | | | | for about 10cm near upper contact. | **1149** | 28.85 | 29.85 | 1.00 | 0.04 |
| | | | | About 5% spodumene as altered to fine grained | | | | | |
| | | | | yellowish mineral; grain sizes small 1-2cm at | | | | | |
| | | | | 26.5m and from 28.6 to 29.0m. | | | | | |
| | | | | Plagioclase is fine to medium grained, sugary | | | | | |
| | | | | textured. Dark grey to black feldspars. | | | | | |
| | | | | Fine grained, brownish MV for about 25 cm near | | | | | |
| | | | | lower contact. | | | | | |
| | | | | Lower contact at 65 to CA. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| **29.85** | **46.60** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium to dark grey, fine grained FP-QZ-BO | | | | | |
| | | | | metasediment; weak to moderate foliation | | | | | |
| | | | | from 35 to CA at 31.0m to subparallel to CA | | | | | |
| | | | | at 35.0m to 45 to CA at 46.0m. | | | | | |
| | | | | 43.75-44.08 white, fine grained sugary textured | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | PG-QZ+/-FP banded pegmatite dyke; banding at | | | | | |
| | | | | 50 to CA; no visible spodumene. Both contacts | | | | | |
| | | | | at 60 to CA. | | | | | |
| | | | | | | | | | |
| **46.60** | **84.80** | 38.20 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, white with dark grey patches | **1150** | 46.60 | 47.60 | 1.00 | 0.57 |
| | | | | PG-FP-SP-QZ-MV pegmatite. | **1151** | 47.60 | 49.10 | 1.50 | 1.23 |
| | | | | Upper contact at 75 to CA. | **1152** | 49.10 | 50.60 | 1.50 | 1.68 |
| | | | | from 46.6 to 47.6m fine grained sugary textured | **1153** | 50.60 | 52.10 | 1.50 | 1.23 |
| | | | | plagioclase plus black feldspar patches and min- | **1154** | 52.10 | 53.60 | 1.50 | 1.44 |
| | | | | or muscovite. | **1155** | STANDARD-LOW | | | 0.83 |
| | | | | 47.4-84.2 about 30-35% spodumene as green to | **1156** | 53.60 | 55.10 | 1.50 | 1.66 |
| | | | | pale green, fresh '5-6cm thin | **1157** | 55.10 | 56.60 | 1.50 | 1.75 |
| | | | | crystals subparallel to CA; minor alteration | **1158** | 56.60 | 58.10 | 1.50 | 1.76 |
| | | | | of spodumene from 51.0 to 52.4m some | **1159** | 58.10 | 59.60 | 1.50 | 1.46 |
| | | | | spoduemene crystals have been alterd to | **1160** | 59.60 | 61.10 | 1.50 | 1.48 |
| | | | | dark green serpentine. | **1161** | 61.10 | 62.60 | 1.50 | 2.05 |
| | | | | Dark grey to black few cm in size feldspar | **1162** | 62.60 | 64.10 | 1.50 | 1.82 |
| | | | | throughout. | **1163** | 64.10 | 65.60 | 1.50 | 1.69 |
| | | | | 84.2-84.80 fine grained yellowish alteration | **1164** | 65.60 | 67.10 | 1.50 | 1.73 |
| | | | | mineral has replaced spodumene crystals some | **1165** | 67.10 | 68.60 | 1.50 | 1.73 |
| | | | | partially. About 5cm fine grained muscovite at | **1166** | BLANK | | | <100 ppm |
| | | | | lowerr contact. | **1167** | 68.60 | 70.10 | 1.50 | 1.44 |
| | | | | Lower contact at 60 to CA. | **1168** | 70.10 | 71.60 | 1.50 | 1.45 |
| | | | | | **1169** | 71.60 | 73.10 | 1.50 | 1.88 |
| | | | | | **1170rp** | 73.10 | 74.60 | 1.50 | 1.27 |
| | | | | | **1171** | 74.60 | 76.10 | 1.50 | 1.25 |
| | | | | | **1172** | 76.10 | 77.60 | 1.50 | 1.59 |
| | | | | | **1173** | 77.60 | 79.10 | 1.50 | 2.00 |
| | | | | | **1174** | 79.10 | 80.60 | 1.50 | 1.64 |
| | | | | | **1175** | 80.60 | 82.10 | 1.50 | 1.78 |
| | | | | | **1176** | STANDARD-LOW | | | 0.79 |
| | | | | | **1177** | 82.10 | 83.00 | 0.90 | 1.59 |
| | | | | | **1178** | 83.00 | 83.80 | 0.80 | 0.61 |
| | | | | | **1179** | 83.80 | 84.80 | 1.00 | 0.74 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **84.80** | **137.15** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained, FP-QZ-BO metasedi- | | | | | |
| | | | | ment; weak to moderate foliation at 40 to CA. | | | | | |
| | | | | 99.5-104.0 altered andalusite porphyroblasts, | | | | | |
| | | | | subrounded to subhedral 1.5-2.5cm across. | | | | | |
| | | | | Few 5-10cm massive quartz veins at high angle | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |
| **137.15** | **141.10** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Dark grey to brownish-grey, well banded parag- | | | | | |
| | | | | neiss Qz-FP-BO; banding changes from 40 to | | | | | |
| | | | | CA to subparallel to CA. | | | | | |
| | | | | 1-5mm thick biotite bands alternate with white | | | | | |
| | | | | quartz-feldspar bands of similar thickness. | | | | | |
| | | | | | | | | | |
| **141.10** | **147.70** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained FP-QZ-BO metasedi- | | | | | |
| | | | | ment; well foliated at 65 to CA; | | | | | |
| | | | | 145.10-145.23 massive quartz vein at 70 to CA. | | | | | |
| | | | | Fine grained mica for about 20cm near the peg- | | | | | |
| | | | | matite contact below. | | | | | |
| | | | | | | | | | |
| **147.70** | **155.87** | 8.17 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White with dark grey sections, coarse grained | **1180** | 147.70 | 148.70 | 1.00 | 0.03 |
| | | | | PG-FP-SP-QZ-MI pegmatite | **1181** | 148.70 | 150.20 | 1.50 | 0.86 |
| | | | | Upper contact at 60 to CA. | **1182** | 150.20 | 151.70 | 1.50 | 1.70 |
| | | | | Fine grained, yellowish alteration mineral after | **1183** | 151.70 | 153.20 | 1.50 | 2.35 |
| | | | | spodumene from upper contact to 148.50m. | **1184** | 153.20 | 154.87 | 1.67 | 1.00 |
| | | | | Black feldspar from 148.0 to 149.0m. | **1185** | 154.87 | 155.87 | 1.00 | 0.42 |
| | | | | Coarse, pale green to whitish spodumene from | | | | | |
| | | | | 149.5 to 152.85; few serpentine altered spodu- | | | | | |
| | | | | mene crystals at 149.2m; 15-20% spodumene. | | | | | |
| | | | | 152.85-153.58; 73cm M1 metasediment xenolith, | | | | | |
| | | | | micaceous; upper contact at 30 to CA; lower | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | contact at 90 to CA. | | | | | |
| | | | | 155.2-155.87 fine grained, milky white plagiocla- | | | | | |
| | | | | se; 155.30-155.60 10cm metasediment xenolith | | | | | |
| | | | | subparallel to CA. | | | | | |
| | | | | Lower contact at 90 to CA. | | | | | |
| | | | | | | | | | |
| **155.87** | **173.68** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Mediu grey, fine grained, well banded FP-QZ-BO | | | | | |
| | | | | paragneiss. Banding subparallel to CA. | | | | | |
| | | | | | | | | | |
| **173.68** | **180.16** | 6.48 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse PG-SP-FP-QZ+/-MV pegmatite | **1186** | 173.68 | 174.68 | 1.00 | 1.17 |
| | | | | upper contact at 60 to CA. | **974** | DUPLICATE | | | 0.98 |
| | | | | 20-25% spodumene as small grains 1-3cm in | **1187** | 174.68 | 176.18 | 1.50 | 1.67 |
| | | | | size oriented at high agnle to core axis, pale | **1188** | 176.18 | 177.68 | 1.50 | 1.56 |
| | | | | green to white; few larger crystals. | **1189** | 177.68 | 179.16 | 1.48 | 1.64 |
| | | | | Lower contact at 45 to CA. | **1190** | 179.16 | 180.16 | 1.00 | 1.05 |
| | | | | | | | | | |
| **180.16** | **181.12** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Possibly a large metasediment xenolith within the | | | | | |
| | | | | pegmatite. Fine grained, grey, micorfolding. Cut | | | | | |
| | | | | by two thin pegmatites <10cm thick. | | | | | |
| | | | | | | | | | |
| **181.12** | **187.56** | 6.44 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, white with dark grey sections, | **1191** | 181.12 | 182.12 | 1.00 | 0.61 |
| | | | | PG-FP-SP-QZ+/-MV pegmatite. | **1192** | 182.12 | 183.62 | 1.50 | 1.79 |
| | | | | Upper contact at 70 to CA. | **1193** | 183.62 | 185.12 | 1.50 | 1.39 |
| | | | | 181.12-181.90 dark grey to black feldspar | **1194** | 185.12 | 186.56 | 1.44 | 1.77 |
| | | | | sections. | **1195** | 186.56 | 187.56 | 1.00 | 1.55 |
| | | | | 10-15% spodumene as small <2cm pale green to | **1196** | STANDARD-HIGH | | | 1.33 |
| | | | | white crystals, few larger crystals. | | | | | |
| | | | | Lower contact at 65 to CA. | | | | | |
| | | | | | | | | | |
| **187.56** | **192.00** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Same as 155.87 to 173.68. Banding oriented at | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 50 to CA. | | | | | |
| | | | | 190.20-190.75; 0.55m white, coarse PG-FP-QZ- | **1197** | 190.20 | 190.75 | 0.55 | 0.41 |
| | | | | MV+/-SP pegmatite dyke. Upper contact at 40 | | | | | |
| | | | | to CA; lower contact at 60 to CA. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | **192.00m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.61%/35.40m | 47.60 | 83.00 |
| 1.46%/6.17m | 148.70 | 154.87 |
| 1.45%/6.48m | 173.68 | 180.16 |
| 1.63%/5.44m | 182.12 | 187.56 |

LITHIUM ONE INC.
Property : James Bay Lithium

DDH # : **JBL09-64** Start : 16-Aug-09 Drilled by : Chibougamau
Azimuth : 145° LOCATION UTM End : 17-Aug-09 Diamond Drilling
Dip: -45° 357893 mE Logged by : A.Peshkepia
Elevation: 207m 5789690 mN **Verified by:** **AJMc** on August 17th, 2009

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **10.60** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| **10.60** | **36.30** | 25.70 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, white with grey patches; | **1198** | 10.60 | 11.60 | 1.00 | 0.91 |
| | | | | PG-SP-QZ-FP+/-MV pegmatite. | **1199** | 11.60 | 13.10 | 1.50 | 1.59 |
| | | | | Broken core at upper contact. | **1200** | 13.10 | 14.60 | 1.50 | 1.10 |
| | | | | 30-35% spoduumene as small <2cm , pale green | **1201** | 14.60 | 16.10 | 1.50 | 0.94 |
| | | | | to white, fresh crystals. | **1202** | 16.10 | 17.60 | 1.50 | 1.16 |
| | | | | Fine grained plagioclase plus fine grained, yello- | **1203** | 17.60 | 19.10 | 1.50 | 1.32 |
| | | | | wish muscovite for about 40cm near upper con- | **1204** | 19.10 | 20.60 | 1.50 | 1.68 |
| | | | | tact. Dark grey to black feldspar as patches | **1205** | 20.60 | 22.10 | 1.50 | 1.62 |
| | | | | <10cm in size; fine grained, yellowish mica? | **1206** | 22.10 | 23.60 | 1.50 | 1.35 |
| | | | | from 20.8 to 21.10m. | **1207** | BLANK | | | <100 ppm |
| | | | | slightly corser grained spodumene in the lower | **1208** | 23.60 | 25.10 | 1.50 | 2.20 |
| | | | | half of the pegmatite from 28.0 to 34.0m. | **1209** | 25.10 | 26.60 | 1.50 | 1.88 |
| | | | | 30.9-31.3 mafic metavolcanic xenolith, oriented | **1210** | 26.60 | 28.10 | 1.50 | 1.28 |
| | | | | at 25 to CA; | **1211** | 28.10 | 29.60 | 1.50 | 1.46 |
| | | | | 35.50-36.60 dark green, serpentine altered | **1212** | 29.60 | 31.10 | 1.50 | 1.13 |
| | | | | spodumene crystalsd in a milky white Plagioclase | **1213** | 31.10 | 32.60 | 1.50 | 1.77 |
| | | | | quartz matrix. | **1214** | 32.60 | 34.10 | 1.50 | 2.14 |
| | | | | Lower contact of pegmatite at 45 to CA. | **1215** | 34.10 | 35.30 | 1.20 | 1.15 |
| | | | | | **1216** | 35.30 | 36.30 | 1.00 | 0.83 |
| | | | | | **1217** | STANDARD-LOW | | | 0.84 |
| | | | | | | | | | |
| **36.30** | **47.93** | | **V3B** | **MAFIC METAVOLCANIC** | | | | | |
| | | | | Dark green, fine to medium grained, mafic meta- | | | | | |
| | | | | volcanic; foliation at 40 to CA; 25-30% biotite | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 36.43-37.28 M1 metasediment fine grained, grey | | | | | |
| | | | | FP-QZ+/-BO at 20 to CA. | | | | | |
| | | | | 37.8-38.90 M1 metasediment section, grey, fine | | | | | |
| | | | | grained, massive at 40 to CA. | | | | | |
| | | | | | | | | | |
| **47.93** | **54.08** | 6.15 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse PG-SP-QZ-FP+/-MV pegmatite; | **1218** | 47.93 | 48.93 | 1.00 | 0.46 |
| | | | | upper contact at 35 to CA. | **1219** | 48.93 | 50.43 | 1.50 | 2.08 |
| | | | | Black feldspar pathces from 48.0 to 48.7m. | **1220** | 50.43 | 51.93 | 1.50 | 1.41 |
| | | | | 15-20% spodumene as small grains 1-2cm in size | **1221** | 51.93 | 53.08 | 1.15 | 1.25 |
| | | | | whitish-green from 48.8 to 53.1m. | **1222** | 53.08 | 54.08 | 1.00 | 0.06 |
| | | | | From 53.1 to 54.08 milky white plagioclase, black | | | | | |
| | | | | feldspar patches and fine grained muscovite. | | | | | |
| | | | | Lower contact at 50 to CA. | | | | | |
| | | | | | | | | | |
| **54.08** | **65.45** | | **V3B** | **MAFIC METAVOLCANIC** | | | | | |
| | | | | Green, fine to medium grained, massive mafic | | | | | |
| | | | | volcanic with 25-30% biotite porphyroblasts | | | | | |
| | | | | 2-4mm in size. Lower contact sharp at 70 to CA. | | | | | |
| | | | | | | | | | |
| **65.45** | **71.62** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, massive FP-QZ-BO metasedi- | | | | | |
| | | | | ment cut by two thin pegmatite dykes: | | | | | |
| | | | | 69.6-69.9 greyish-white, medium to coarse | | | | | |
| | | | | grained FP-PG-QZ pegmatite dyke, no visible | | | | | |
| | | | | spodumene, oriented at 70 to CA. Specks of | | | | | |
| | | | | Aspy near lower contact. | | | | | |
| | | | | 70.0-70.25 medium grained, PG-FP-QZ pegmatite | | | | | |
| | | | | at 60 to CA; no visible spodumene. | | | | | |
| | | | | The lower contact of metasediment is sharp at | | | | | |
| | | | | 45 to CA. | | | | | |
| | | | | | | | | | |
| **71.62** | **91.50** | | **V3B** | **MAFIC METAVOLCANIC** | | | | | |
| | | | | Same as 54.08 to 65.45; moderate foliation at | | | | | |
| | | | | 50 to CA. | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | **91.50m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.44%/25.70m | 10.60 | 36.30 |
| 1.61%/4.15m | 48.93 | 53.08 |

LITHIUM ONE INC.
Property : James Bay-Lithium

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DDH # : | **JBL09-65** | | Start : | 19-Aug-09 | Drilled by : | | Chibougamau |
| Azimuth : | 145° | LOCATION UTM | End : | 21-Aug-09 | | | Diamond Drilling |
| Dip: | -45° | 357820 mE | | | Logged by : | | A.Peshkepia |
| Elevation: | 212m | 5789717 mN | | | **Verified by:** | **AJMc** | on August 19th, 2009 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **7.40** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **7.40** | **22.30** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Grey, fine grained, massive FP-QZ+/-BO | | | | | |
| | | | | metasediment. | | | | | |
| | | | | | | | | | |
| **22.30** | **39.45** | | **V3B** | **MAFIC METAVOLCANIC** | | | | | |
| | | | | Green, fine to medium grained mafic metavolcanic | | | | | |
| | | | | weak foliation at 40 to CA; 20% biotite as 1-5mm | | | | | |
| | | | | porphyroblasts. | | | | | |
| | | | | 36.70-37.25 Lost core, fault zone(?) | | | | | |
| | | | | | | | | | |
| **39.45** | **99.87** | 60.42 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, white with few short grey sec- | **1223** | 39.45 | 40.45 | 1.00 | 0.03 |
| | | | | tions; PG-SP-FP-QZ+/-MV pegmatite. | **1224** | 40.45 | 41.95 | 1.50 | 0.42 |
| | | | | Upper contact at at 20 to CA. | **1225** | 41.95 | 43.45 | 1.50 | 1.23 |
| | | | | 39.45-40.0 milky white, fine grained plagioclase. | **1226** | 43.45 | 44.95 | 1.50 | 1.39 |
| | | | | Aspy bleb at 41.0m. | **1227** | 44.95 | 46.45 | 1.50 | 1.67 |
| | | | | 25-30% spodumene starting at 41.0m as pale | **975** | DUPLICATE | | | 1.41 |
| | | | | green subhedral crystals from 0.5-3cm in size. | **1228** | 46.45 | 47.95 | 1.50 | 1.95 |
| | | | | Some spodumene crystals are altered to dark | **1229** | 47.95 | 49.45 | 1.50 | 1.57 |
| | | | | green serpentine at 48.6m. | **1230** | 49.45 | 50.95 | 1.50 | 3.01 |
| | | | | Dark grey to black coarse feldspar as 10-15cm | **1231** | 50.95 | 52.45 | 1.50 | 1.74 |
| | | | | sections mainly from 40.5 to 58.3m. | **1232** | 52.45 | 53.95 | 1.50 | 1.40 |
| | | | | Less feldspar and of light grey colour from 59.0 | **1233** | 53.95 | 55.45 | 1.50 | 1.42 |
| | | | | to 86.0m. | **1234** | 55.45 | 56.95 | 1.50 | 1.57 |
| | | | | 86.0-91.0 dark grey feldspar sections. | **1235** | 56.95 | 58.45 | 1.50 | 1.20 |
| | | | | Spodumene continues down to 99.87m. | **1236** | 58.45 | 59.95 | 1.50 | 1.92 |

LITHOLOGY

| From | To | Length | Rock | Description | Sample # | From | To | Length | $Li_2O$ |
|---|---|---|---|---|---|---|---|---|---|
| | | (m) | Code | | | | | (m) | (%) |
| | | | | Lower contact at 70 to CA. | **1237** | STANDARD-HIGH | | | 1.42 |
| | | | | | **1238** | 59.95 | 61.45 | 1.50 | 2.09 |
| | | | | | **1239** | 61.45 | 62.95 | 1.50 | 2.01 |
| | | | | | **1240** | 62.95 | 64.45 | 1.50 | 1.70 |
| | | | | | **1241** | 64.45 | 65.95 | 1.50 | 1.96 |
| | | | | | **1242** | 65.95 | 67.45 | 1.50 | 1.23 |
| | | | | | **1243** | 67.45 | 68.95 | 1.50 | 1.59 |
| | | | | | **1244** | 68.95 | 70.45 | 1.50 | 1.38 |
| | | | | | **1245** | 70.45 | 71.95 | 1.50 | 1.58 |
| | | | | | **1246** | 71.95 | 73.45 | 1.50 | 1.87 |
| | | | | | **1247** | 73.45 | 74.95 | 1.50 | 1.94 |
| | | | | | **1248** | BLANK | | | <100 ppm |
| | | | | | **1249** | 74.95 | 76.45 | 1.50 | 1.87 |
| | | | | | **1250** | 76.45 | 77.95 | 1.50 | 1.98 |
| | | | | | **1251** | 77.95 | 79.45 | 1.50 | 1.64 |
| | | | | | **1252** | 79.45 | 80.95 | 1.50 | 1.41 |
| | | | | | **1253** | 80.95 | 82.45 | 1.50 | 1.74 |
| | | | | | **1254** | 82.45 | 83.95 | 1.50 | 1.32 |
| | | | | | **1255** | 83.95 | 85.45 | 1.50 | 1.49 |
| | | | | | **1256** | 85.45 | 86.95 | 1.50 | 1.41 |
| | | | | | **1257** | 86.95 | 88.45 | 1.50 | 1.73 |
| | | | | | **1258** | STANDARD-LOW | | | 0.84 |
| | | | | | **1259** | 88.45 | 89.95 | 1.50 | 1.72 |
| | | | | | **1260** | 89.95 | 91.45 | 1.50 | 1.72 |
| | | | | | **1261** | 91.45 | 92.95 | 1.50 | 1.81 |
| | | | | | **1262** | 92.95 | 94.45 | 1.50 | 1.50 |
| | | | | | **1263** | 94.45 | 95.95 | 1.50 | 1.03 |
| | | | | | **1264** | 95.95 | 97.45 | 1.50 | 2.22 |
| | | | | | **1265** | 97.45 | 98.87 | 1.42 | 1.50 |
| | | | | | **1266** | 98.87 | 99.87 | 1.00 | 1.27 |
| | | | | | | | | | |
| **99.87** | **102.08** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Dark grey, fine grained, massive FP-QZ-BO | | | | | |
| | | | | metasediment; weak foliation at 60 to CA. | | | | | |
| | | | | Possibly a large xenolith. | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **102.08** | **108.59** | 6.51 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, white with dark grey sections; | **1267** | 102.08 | 103.08 | 1.00 | 1.13 |
| | | | | PG-FP-SP-QZ+/-MV pegmatite. | **1268** | 103.08 | 104.58 | 1.50 | 1.82 |
| | | | | Upper contact at 40 to CA. This pegmatite is | **976** | DUPLICATE | | | 1.40 |
| | | | | coarse grained right at the upper contact. | **1269** | 104.58 | 106.08 | 1.50 | 1.87 |
| | | | | 15-20% spodumene as pale green, 1-3cm | **1270** | 106.08 | 107.59 | 1.51 | 1.31 |
| | | | | crystals oriented a high angle to CA. | **1271** | 107.59 | 108.59 | 1.00 | 1.36 |
| | | | | Sections of dark grey feldspar mainly in the lower | | | | | |
| | | | | half of the dyke. | | | | | |
| | | | | 15cm fine grained sugary textured plagioclase | | | | | |
| | | | | at the lower contact. | | | | | |
| | | | | Lower contact at 50 to CA. | | | | | |
| | | | | | | | | | |
| **108.59** | **110.68** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 99.87 to 102.08m. | | | | | |
| | | | | | | | | | |
| **110.68** | **132.46** | 21.78 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, white, PG-SP-FP-QZ+/-MV peg- | **1272** | 110.68 | 111.68 | 1.00 | 0.90 |
| | | | | matite. | **1273** | 111.68 | 113.18 | 1.50 | 1.52 |
| | | | | Upper contact at 50 to CA. Fine grained plagio- | **1274** | 113.18 | 114.68 | 1.50 | 1.81 |
| | | | | clase for about 20cm near the upper contact. | **1275** | 114.68 | 116.18 | 1.50 | 1.52 |
| | | | | 20-25% spodumene as 1-5cm thin, pale green | **1276** | 116.18 | 117.68 | 1.50 | 1.80 |
| | | | | crystals subparallel to CA from 111.5 to118.0m. | **1277** | 117.68 | 119.18 | 1.50 | 1.88 |
| | | | | From 118.0 to 128.0 spodumene crystals are | **1278** | STANDARD-LOW | | | 0.84 |
| | | | | oriented predominantly at 60 to CA. | **1279** | 119.18 | 120.68 | 1.50 | 1.91 |
| | | | | 128.80-129.51: 71cm M1 metasediment xenolith | **1280** | 120.68 | 122.18 | 1.50 | 1.77 |
| | | | | (included in the sample); oriented at 65 to CA. | **1281** | 122.18 | 123.68 | 1.50 | 1.78 |
| | | | | Feldspar is genarally light grey throughout this | **1282** | 123.68 | 125.18 | 1.50 | 1.57 |
| | | | | dyke. Minor muscovite and trace apatite. | **1283** | 125.18 | 126.68 | 1.50 | 1.88 |
| | | | | Lower contact at 60 to CA. | **1284** | 126.68 | 128.18 | 1.50 | 1.47 |
| | | | | | **1285** | 128.18 | 129.68 | 1.50 | 0.66 |
| | | | | | **1286** | 129.68 | 130.58 | 0.90 | 1.27 |
| | | | | | **1287** | 130.58 | 131.46 | 0.88 | 1.45 |
| | | | | | **1288** | BLANK | | | <100 ppm |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | **1289** | 131.46 | 132.46 | 1.00 | 1.56 |
| | | | | | | | | | |
| **132.46** | **132.85** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, massive FP-QZ-BO metase- | | | | | |
| | | | | diment. Lower contact at 55 to CA. | | | | | |
| | | | | | | | | | |
| **132.85** | **134.06** | | **V3B** | **MAFIC METAVOLCANIC** | | | | | |
| | | | | Dark green, fine grained, massive mafic metavol- | | | | | |
| | | | | canic; weak foliation at 60 to CA. | | | | | |
| | | | | 133.8-133.89 thin pegmatite PG-FP-SP at 65 to | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |
| **134.06** | **149.02** | 14.96 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse grained PG-SP-FP-QZ+/-MV | **1290** | 134.06 | 135.06 | 1.00 | 2.01 |
| | | | | pegmatite. | **1291** | 135.06 | 136.56 | 1.50 | 1.85 |
| | | | | Upper contact at 60 to CA. 1cm fine grained | **1292** | 136.56 | 138.06 | 1.50 | 1.71 |
| | | | | milky white plagioclase at contact. | **1293** | 138.06 | 139.56 | 1.50 | 1.88 |
| | | | | 20-25% spodumene as pale green, thin crystals | **1294** | 139.56 | 141.06 | 1.50 | 1.94 |
| | | | | mainly oriented at at 50 to 60 to CA. | **1295** | 141.06 | 142.56 | 1.50 | 1.51 |
| | | | | 142.36-142.83 three 5-10cm metasediment xe- | **1296** | 142.56 | 144.06 | 1.50 | 1.01 |
| | | | | noliths. | **1297** | 144.06 | 145.56 | 1.50 | 1.27 |
| | | | | 147.6-149.02; minor spodumene, mainly plagio- | **1298** | STANDARD-HIGH | | | 1.37 |
| | | | | clase, quartz and feldspar; dark grey feldspar | **1299** | 145.56 | 147.06 | 1.50 | 1.56 |
| | | | | sections; fine grained yellowish alteration from | **1300** | 147.06 | 148.02 | 0.96 | 1.32 |
| | | | | 147.5 to 148.3m | **1301** | 148.02 | 149.02 | 1.00 | 0.57 |
| | | | | 5cm thick bands of fine grained sugary textured | | | | | |
| | | | | plagioclase and feldspar at lower contact for | | | | | |
| | | | | about 30cm. | | | | | |
| | | | | lower contact at 50 to CA. | | | | | |
| | | | | | | | | | |
| **149.02** | **179.55** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Light to medium grey, fine grained, well foliated | | | | | |
| | | | | FP-QZ-BO metasediment; foliation at 50 to CA. | | | | | |
| | | | | 158.8-161.8 white, subrounded to subhedral | | | | | |
| | | | | andalusite porphyroblasts 1-2cm across. | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 164.5-166.8 fine grained, light pink garnets | | | | | |
| | | | | 1-2mm in size. | | | | | |
| | | | | | | | | | |
| **179.55** | **192.80** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium to dark grey, well banded | | | | | |
| | | | | paragneiss. FP-QZ-BO. Banding oriented at 45 | | | | | |
| | | | | to CA, in places subparallel to CA. | | | | | |
| | | | | Lower contact at 70 to CA. | | | | | |
| | | | | | | | | | |
| **192.80** | **195.45** | | **QFP** | **QFP** | | | | | |
| | | | | Light grey, fine grained, massive quartz-feldspar | | | | | |
| | | | | porphyry with 1-3mm QZ and FP phenocrysts. | | | | | |
| | | | | Some quartz phenocrysts have a light blueish | | | | | |
| | | | | colour. Fine grained biotite. | | | | | |
| | | | | 193.10 5cm fault gouge. Broken core from 192.8 | | | | | |
| | | | | to 193.10. | | | | | |
| | | | | Lower contact at 80 to CA | | | | | |
| | | | | | | | | | |
| **195.45** | **197.52** | | **V3B** | **MAFIC METAVOLCANIC** | | | | | |
| | | | | Dark green, massive fine to medium grained | | | | | |
| | | | | mafic metavolcanic with 25-30% fine grained | | | | | |
| | | | | biotite, weak foliation at 50 to CA. | | | | | |
| | | | | Lower contact at 70 to CA. | | | | | |
| | | | | 196.46-197.0 QZ-TL vein, massive quartz with | | | | | |
| | | | | a 5cm massive TL vein near upper contact and | | | | | |
| | | | | fine grained QZ plus tourmaline near lower con- | | | | | |
| | | | | tact. Lower contact of the vein at 60 to CA. | | | | | |
| | | | | | | | | | |
| **197.52** | **208.24** | 10.72 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse grained PG-SP-FP-QZ pegmatite; | **1302** | 197.52 | 198.52 | 1.00 | 0.86 |
| | | | | Upper contact at 65 to CA. | **1303** | 198.52 | 200.02 | 1.50 | 1.62 |
| | | | | dark grey feldspar plus minor muscovite and | **1304** | 200.02 | 201.52 | 1.50 | 1.42 |
| | | | | small ~1cm, altered spodumene grains from | **1305** | 201.52 | 203.02 | 1.50 | 1.74 |
| | | | | upper contact to 198.3m. | **1306** | 203.02 | 204.52 | 1.50 | 2.04 |
| | | | | 20-25% spodumene ars pale green <3cm long | **1307** | 204.52 | 206.02 | 1.50 | 1.97 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | crystals oriented at 30 to CA; few large spodu- | **1308** | 206.02 | 207.24 | 1.22 | 1.48 |
| | | | | mene crystals at 199.4-199.7 and at 208.0m. | **977** | DUPLICATE | | | 1.69 |
| | | | | Lower contact at 70 to CA. | **1309** | 207.24 | 208.24 | 1.00 | 1.05 |
| | | | | | **1310** | 211.43 | 212.96 | 1.53 | 1.13 |
| | | | | | | | | | |
| **208.24** | **211.43** | | **V3B** | **MAFIC METAVOLCANIC** | | | | | |
| | | | | Fine grained, dark green mafic metavolcanic | | | | | |
| | | | | with about 25% biotite; weak foliation at 70 to | | | | | |
| | | | | CA. | | | | | |
| | | | | | | | | | |
| **211.43** | **212.96** | 1.53 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, white PG-SP-FP-QZ pegmatite. | | | | | |
| | | | | Upper contact at 70 to CA; 5-10% spodumene | | | | | |
| | | | | as small <2cm crystals; minor feldspar as dark | | | | | |
| | | | | grey to black patches. | | | | | |
| | | | | Lower contact at 60 to CA. | | | | | |
| | | | | | | | | | |
| **212.96** | **216.44** | | **V3B** | **MAFIC METAVOLCANIC** | | | | | |
| | | | | Same as 208.24 to 211.43m. | | | | | |
| | | | | | | | | | |
| **216.44** | **222.38** | 5.94 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, white with few dark grey patches | **1311** | 216.44 | 217.44 | 1.00 | 0.85 |
| | | | | PG-QZ-SP-FP pegmatite. | **1312** | 217.44 | 218.94 | 1.50 | 0.06 |
| | | | | 5% spodumene as small grains from upper con- | **1313** | 218.94 | 220.44 | 1.50 | 0.25 |
| | | | | tact to 217.5m. | **1314** | 220.44 | 221.38 | 0.94 | 0.06 |
| | | | | Dark grey to black a few cm feldspar patches at | **1315** | 221.38 | 222.38 | 1.00 | 0.04 |
| | | | | 217.5 and 218.5m. | | | | | |
| | | | | 218.0-219.30; fine to medium grained milky whi- | | | | | |
| | | | | te plagioclase plus quartz. | | | | | |
| | | | | 219.30-220.0 mafic metavolcanic xenoilith at | | | | | |
| | | | | 5 degrees to CA. | | | | | |
| | | | | 220.0-222.38 milky white, fine to medium gra- | | | | | |
| | | | | ined plagioclase with minor quartz and feldspar; | | | | | |
| | | | | no visible spodumene. | | | | | |
| | | | | Lower contact at 65 to CA. | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **222.38** | **228.63** | | **V3B** | **MAFIC METAVOLCANIC** | | | | | |
| | | | | Green, fine to medium grained mafic metavolca- | | | | | |
| | | | | nic; weak to moderate foliation at 70 to CA from | | | | | |
| | | | | upper contact to 224.30; the lower half of the | | | | | |
| | | | | metavolcanic is massive; 10-15% biotite | | | | | |
| | | | | | | | | | |
| **228.63** | **237.32** | 8.69 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, white PG-SP-FP-QZ+/-MV peg- | **1316** | 228.63 | 229.63 | 1.00 | 0.31 |
| | | | | matite. Upper contact at 55 to CA. Black feld- | **1317** | 229.63 | 231.13 | 1.50 | 1.68 |
| | | | | spar from upper contact to 229.50. | **1318** | STANDARD-HIGH | | | 1.39 |
| | | | | 10-15% spodumene as small crystals starting at | **1319** | 231.13 | 232.63 | 1.50 | 1.44 |
| | | | | 229.50m; 1-3cm long pale green, fresh. | **1320** | 232.63 | 234.13 | 1.50 | 1.64 |
| | | | | Black feldspar patches from 232.0 to 236.0; | **1321** | 234.13 | 235.32 | 1.19 | 1.23 |
| | | | | 15cm milky white fine grained plagioclase at lo- | **1322** | 235.32 | 236.32 | 1.00 | 1.46 |
| | | | | wer contact. Lower contact at 50 to CA. | **1323** | 236.32 | 237.32 | 1.00 | 1.55 |
| | | | | | | | | | |
| **237.32** | **241.75** | | **V3B** | **MAFIC METAVOLCANIC** | | | | | |
| | | | | Green, fine to medium grained mafic metavolca- | | | | | |
| | | | | nic; 10-15% biotite; massive. | | | | | |
| | | | | 239.24-239.61 37cm white, fine grained PG-QZ- | **1324** | 239.24 | 239.61 | 0.37 | 0.02 |
| | | | | FP pegmatite dyke; no visible spodumene. Both | | | | | |
| | | | | contacts at 70 to CA. | | | | | |
| | | | | | | | | | |
| **241.75** | **271.35** | 29.60 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse grained PG-SP-QZ-FP+/-MV peg- | **1325** | 241.75 | 242.75 | 1.00 | 0.71 |
| | | | | matite. | **1326** | 242.75 | 244.25 | 1.50 | 1.39 |
| | | | | Upper contact at 60 to CA. Black feldspar pat- | **1327** | 244.25 | 245.75 | 1.50 | 1.82 |
| | | | | ches and fine grained muscovite from upper | **1328** | 245.75 | 247.25 | 1.50 | 1.88 |
| | | | | contact to 242.35m. | **1329** | BLANK | | | <100 ppm |
| | | | | 242.35-242.65 30cm mafic metavolcanic xenolith | **1330** | 247.25 | 248.75 | 1.50 | 1.83 |
| | | | | oriented at 40 to CA. | **1331** | 248.75 | 250.25 | 1.50 | 2.26 |
| | | | | 20% spodumene as small crystals 1-3 cm, per- | **1332** | 250.25 | 251.75 | 1.50 | 2.12 |
| | | | | pendicular to CA. | **1333** | 251.75 | 253.25 | 1.50 | 1.58 |
| | | | | 251.9-252.10 20cm massivwe quartz vein at 30 | **1334** | 253.25 | 254.75 | 1.50 | 1.73 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | to CA. | **1335** | 254.75 | 256.25 | 1.50 | 1.52 |
| | | | | Black feldspar patches from 261.9 to 263.1m | **1336** | 256.25 | 257.75 | 1.50 | 1.73 |
| | | | | This pegmatite contains comparatively less dark | **1337** | 257.75 | 259.25 | 1.50 | 1.66 |
| | | | | grey to black feldspar. | **1338** | 259.25 | 260.75 | 1.50 | 1.37 |
| | | | | 267.53-268.0 47cm mafic metavolcanic xenolith; | **1339** | STANDARD-LOW | | | 0.85 |
| | | | | upper contact at 30 to CA, lower contact at 70 | **1340** | 260.75 | 262.25 | 1.50 | 1.35 |
| | | | | to CA. | **1341** | 262.25 | 263.75 | 1.50 | 1.28 |
| | | | | Lower contact of pegmatite at 35 to CA. | **1342** | 263.75 | 265.25 | 1.50 | 2.14 |
| | | | | | **1343** | 265.25 | 266.75 | 1.50 | 1.71 |
| | | | | | **1344** | 266.75 | 268.25 | 1.50 | 1.19 |
| | | | | | **1345** | 268.25 | 269.35 | 1.10 | 1.88 |
| | | | | | **1346** | 269.35 | 270.35 | 1.00 | 1.32 |
| | | | | | **1347** | 270.35 | 271.35 | 1.00 | 1.82 |
| | | | | | | | | | |
| **271.35** | **271.70** | | **QFP** | **QFP** | | | | | |
| | | | | Fine grained, dark grey quartz-feldspar porphyry | | | | | |
| | | | | Lower contact at 75 to CA. | | | | | |
| | | | | | | | | | |
| **271.7** | **272.96** | | **V3B** | **MAFIC METAVOLCANIC** | | | | | |
| | | | | Green, massive, fine to medium grained mafic | | | | | |
| | | | | metavolcanic; 15% biotite. | | | | | |
| | | | | 271.8-272.0 20cm quartz-tourmaline vein. | | | | | |
| | | | | Lower contact at 90 to CA. | | | | | |
| | | | | | | | | | |
| **272.96** | **280.59** | | **QFP** | **QFP** | | | | | |
| | | | | Dark grey, fine grained quartz-feldspar porphyry; | | | | | |
| | | | | quartz-tourmaline veins from 273.43 to 276.15 | | | | | |
| | | | | with subhedral to euhedral tourmaline grains up | | | | | |
| | | | | to 1.5cm in length; semi massive tourmaline | | | | | |
| | | | | veins 1-5cm thick. | | | | | |
| | | | | Two thin pegmatite dykes intersect the QFP; | | | | | |
| | | | | both dykes are white, fine to medium grained | | | | | |
| | | | | PG-FP-QZ with no visible spodumene; | | | | | |
| | | | | 274.53-274.85; 32cm dyke at 55 to CA; | | | | | |
| | | | | 278.45-278.84; 39cm dyke at 60 to CA. | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **280.59** | **281.33** | | **V3B** | **MAFIC METAVOLCANIC** | | | | | |
| | | | | Dark greene to medium grained, massive mafic | | | | | |
| | | | | metavolcanic; weak foliation at 60 to CA. | | | | | |
| | | | | | | | | | |
| **281.33** | **302.70** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Grey, fine grained, massiveFP-QZ-BO metasedi- | | | | | |
| | | | | ment; weak foliation at 50 to CA. | | | | | |
| | | | | 282.40-283.18; 0.78m pegmatite dyke, coarse | **1348** | 282.41 | 283.18 | 0.77 | 0.08 |
| | | | | white to greyish-white PG-FP-QZ+/-MV, no visi- | | | | | |
| | | | | ble spodumene. Both contacts at 60 to CA. | | | | | |
| | | | | 289.1-291.2 several thin 5-10cm pegmatite dykes | | | | | |
| | | | | at 75 to 80 to CA. | | | | | |
| | | | | 298.69-299.49: 0.8m coarse, white PG-FP-QZ- | **1349** | 298.69 | 299.49 | 0.80 | 0.91 |
| | | | | SP pegmatite dyke with 3-5cm pale green spodu- | **978** | DUPLICATE | | | 1.12 |
| | | | | mene crytals at the center of dyke. Both con- | | | | | |
| | | | | tacts at 70 to CA. | | | | | |
| | | | | | | | | | |
| | | | | **302.70m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to | |
|---|---|---|---|
| 1.53%/106.07m | 41.95 | 148.02 | **including** |
| 1.66%/57.92m | 41.95 | 99.87 | & |
| *2.18%/4.50m* | *46.45* | *50.95* | & |
| *2.01%/4.50m* | *58.45* | *62.95* | & |
| 1.49%/6.51m | 102.08 | 108.59 | & |
| 1.57%/21.78m | 110.68 | 132.46 | & |
| 1.60%/13.96m | 134.06 | 148.02 | |
| 1.21%/15.44m | 197.52 | 212.96 | **including** |
| *2.00%/3.00m* | *203.02* | *206.02* | |
| 1.43%/41.72m | 229.63 | 271.35 | **including** |
| 1.51%/7.69m | 229.63 | 237.32 | √ |
| 1.68%/28.60m | 242.75 | 271.35 | √ |

LITHIUM ONE INC.
Property : James Bay Lithium

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DDH # : | **JBL09-66** | | Start : | 4-Sep-09 | Drilled by : | | Chibougamau |
| Azimuth : | 145° | LOCATION UTM | End : | 5-Sep-09 | | | Diamond Drilling |
| Dip: | -45° | 357782 mE | | | Logged by : | | A.Peshkepia |
| Elevation: | 214m | 5789693 mN | | | **Verified by:** | **AJMc** | on Sept 15th, 2009 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **4.10** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **4.10** | **12.93** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Mediu grey, fine grained, massive FP-QZ-BO | | | | | |
| | | | | metasediment; weak foliation. | | | | | |
| | | | | 7.80-8.08,28cm pegmatite dyke at 60 to CA. | | | | | |
| | | | | PG-FP-QZ-MV, greyish-white, fine to medium | | | | | |
| | | | | grained, no visible spodumene. | | | | | |
| | | | | | | | | | |
| **12.93** | **15.59** | 2.66 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, white with grey sections PG-QZ-FP-SP- | **1350** | 12.93 | 14.30 | 1.37 | 0.06 |
| | | | | MV pegmatite. Yellowish, fine grained mica alter- | **1351** | 14.30 | 15.59 | 1.29 | 0.06 |
| | | | | ation, no visible spodumene. Black FP in the lo | | | | | |
| | | | | wer half of the dyke with coarse plagioclase | | | | | |
| | | | | and quartz. | | | | | |
| | | | | Fine grained muscovite for 3-5cm at both cont- | | | | | |
| | | | | acts. | | | | | |
| | | | | Upper contact at 60 to CA; lower contact at 70 | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |
| **15.59** | **107.67** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained FP-QZ-BO metasedi- | | | | | |
| | | | | ment; moderate foliation at 70 to CA. | | | | | |
| | | | | 104.15-104.60; 0.45m white, medium to coarse | **1352** | 104.15 | 104.60 | 0.45 | 1.30 |
| | | | | grained PG-FP-SP-QZ pegmatite dyke. Zoned | | | | | |
| | | | | with a coarse center and fine grained at both con- | | | | | |
| | | | | tacts. Fine grained, sugary textured PG for about | | | | | |
| | | | | 10cm at both contacts. 3-5% spodumene at the | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | center of dyke. Broken core at upper contact; | | | | | |
| | | | | Lower contact at 90 to CA. | | | | | |
| | | | | | | | | | |
| **107.67** | **174.20** | 66.53 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, white PG-SP-FP-QZ-MV pegma- | **1353** | 107.67 | 108.67 | 1.00 | 1.86 |
| | | | | tite. | **1354** | 108.67 | 110.17 | 1.50 | 1.69 |
| | | | | Upper contact at 45 to CA. | **1355** | 110.17 | 111.67 | 1.50 | 1.70 |
| | | | | Fine grained, yellowish muscovite for about | **1356** | 111.67 | 113.17 | 1.50 | 1.94 |
| | | | | 20cm near upper contact. Black feldspar patches | **1357** | 113.17 | 114.67 | 1.50 | 1.88 |
| | | | | from upper contact to 108.70m. | **1358** | 114.67 | 116.17 | 1.50 | 1.97 |
| | | | | 15-20% spodumene as pale green to white, | **1359** | STANDARD-LOW | | | 0.84 |
| | | | | fresh crystals; grian size <3cm but ocasionally | **1360** | 116.17 | 117.67 | 1.50 | 1.94 |
| | | | | large <5cm single crystals subparallel to CA. | **1361** | 117.67 | 119.17 | 1.50 | 1.57 |
| | | | | Dark grey to black feldspar continues as isolated | **1362** | 119.17 | 120.67 | 1.50 | 1.72 |
| | | | | patches down to 111.6m. | **1363** | 120.67 | 122.17 | 1.50 | 1.56 |
| | | | | 133.0-148.0 coarse spodumene, white coloured | **1364** | 122.17 | 123.67 | 1.50 | 1.64 |
| | | | | up to 7cm long crystals subparallel to CA. | **1365** | 123.67 | 125.17 | 1.50 | 1.42 |
| | | | | Minor apatite as few up to 1cm across crystals; | **1366** | 125.17 | 126.67 | 1.50 | 1.69 |
| | | | | 171.8 to 174.2 sugary textured plagioclase and | **1367** | 126.67 | 128.17 | 1.50 | 1.44 |
| | | | | fine grained, yellowish muscovite, minor black | **1368** | 128.17 | 129.67 | 1.50 | 1.65 |
| | | | | feldspar patches. | **1369** | 129.67 | 131.17 | 1.50 | 1.33 |
| | | | | Lower contact at 40 to CA. | **1370** | BLANK | | | <100 ppm |
| | | | | | **1371** | 131.17 | 132.67 | 1.50 | 1.84 |
| | | | | | **1372** | 132.67 | 134.17 | 1.50 | 1.59 |
| | | | | | **1373** | 134.17 | 135.67 | 1.50 | 1.76 |
| | | | | | **1374** | 135.67 | 137.17 | 1.50 | 1.75 |
| | | | | | **1375** | 137.17 | 138.67 | 1.50 | 1.90 |
| | | | | | **1376** | 138.67 | 140.17 | 1.50 | 1.61 |
| | | | | | **1377** | 140.17 | 141.67 | 1.50 | 1.82 |
| | | | | | **1378** | 141.67 | 143.17 | 1.50 | 1.78 |
| | | | | | **1379** | 143.17 | 144.67 | 1.50 | 1.46 |
| | | | | | **1380** | STANDARD-HIGH | | | 1.32 |
| | | | | | **1381** | 144.67 | 146.17 | 1.50 | 1.99 |
| | | | | | **1382** | 146.17 | 147.67 | 1.50 | 1.69 |
| | | | | | **1383** | 147.67 | 149.17 | 1.50 | 1.43 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | **1384** | 149.17 | 150.67 | 1.50 | 1.81 |
| | | | | | **1385** | 150.67 | 152.17 | 1.50 | 1.38 |
| | | | | | **1386** | 152.17 | 153.67 | 1.50 | 1.49 |
| | | | | | **1387** | 153.67 | 155.17 | 1.50 | 1.13 |
| | | | | | **1388** | 155.17 | 156.67 | 1.50 | 1.64 |
| | | | | | **1389** | 156.67 | 158.17 | 1.50 | 1.39 |
| | | | | | **1390** | 158.17 | 159.67 | 1.50 | 1.53 |
| | | | | | **979** | DUPLICATE | | | 1.19 |
| | | | | | **1391** | 159.67 | 161.17 | 1.50 | 1.76 |
| | | | | | **1392** | 161.17 | 162.67 | 1.50 | 1.84 |
| | | | | | **1393** | 162.67 | 164.17 | 1.50 | 1.40 |
| | | | | | **1394** | 164.17 | 165.67 | 1.50 | 1.93 |
| | | | | | **1395** | 165.67 | 167.17 | 1.50 | 1.38 |
| | | | | | **1396** | 167.17 | 168.67 | 1.50 | 1.61 |
| | | | | | **1397** | 168.67 | 170.17 | 1.50 | 1.52 |
| | | | | | **1398** | 170.17 | 171.67 | 1.50 | 1.56 |
| | | | | | **1399** | 171.67 | 173.20 | 1.53 | 0.03 |
| | | | | | **1400** | STANDARD-LOW | | | 0.77 |
| | | | | | **1401** | 173.20 | 174.20 | 1.00 | 0.02 |
| | | | | | | | | | |
| **174.20** | **211.10** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained, massive FP-QZ-BO | | | | | |
| | | | | metasediment; andalusite porphyroblasts 0.5- | | | | | |
| | | | | 2cm across, light grey to dark green from 177.1 | | | | | |
| | | | | to 184.2. | | | | | |
| | | | | | | | | | |
| **211.10** | **236.65** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Medium grey to brownish-grey, fine grained, well | | | | | |
| | | | | banded paragneiss; FP-QZ-BO; banding oriented | | | | | |
| | | | | at 50 to CA; strongly deformed; from 218.5 to | | | | | |
| | | | | 223.0 banding subparallel to CA. | | | | | |
| | | | | 229.12-229.87; white, fine to medium grained, | | | | | |
| | | | | micaceous pegmatite; PG-MV-QZ-FP. No visible | | | | | |
| | | | | spodumene. Fine grained muscovite for about | | | | | |
| | | | | 25cm near both contacts. Both contacts at 80 | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | to CA. | | | | | |
| | | | | | | | | | |
| **236.65** | **246.25** | 9.60 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, white with dark grey to black | **1402** | 236.65 | 237.65 | 1.00 | 1.08 |
| | | | | sections; PG-QZ-FP-SP-MV pegmatite. | **1403** | 237.65 | 239.15 | 1.50 | 1.57 |
| | | | | Upper contact at 50 to CA. | **1404** | 239.15 | 240.65 | 1.50 | 2.13 |
| | | | | 25cm section of fine grained sugary textured | **1405** | 240.65 | 242.15 | 1.50 | 1.82 |
| | | | | plagioclase plus muscovite near upper contact. | **1406** | 242.15 | 243.65 | 1.50 | 1.81 |
| | | | | 5-10% spodumene as pale green to white >5cm | **1407** | 243.65 | 245.25 | 1.60 | 1.56 |
| | | | | long isolated crystals. Partial serpentine altered | **1408** | 245.25 | 246.25 | 1.00 | 1.52 |
| | | | | section at 238.5m. Spodumene starts from | | | | | |
| | | | | 237.3 to 246.0 | | | | | |
| | | | | 243.0-245.0 coarse spodumene, quartz and feld- | | | | | |
| | | | | spar. | | | | | |
| | | | | 246.0-246.25 fine grained, sugary textured pla- | | | | | |
| | | | | gioclase and muscovite. | | | | | |
| | | | | Lower contact at 60 to CA. | | | | | |
| | | | | | | | | | |
| **246.25** | **251.80** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Same as 211.10 to 236.65m. | | | | | |
| | | | | 246.25-246.75 finely disseminated pyrrhotite | | | | | |
| | | | | along bading planes, weakly magnetic. | | | | | |
| | | | | | | | | | |
| **251.80** | **255.47** | 3.67 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, white with dark grey sections; | **1409** | 251.80 | 252.80 | 1.00 | 1.28 |
| | | | | PG-FP-QZ-SP-MV pegmatite. | **1410** | 252.80 | 254.47 | 1.67 | 1.85 |
| | | | | Upper contact at 70 to CA; ~5cm of fine grained | **1411** | BLANK | | | <100 ppm |
| | | | | muscovite at upper contact. | **1412** | 254.47 | 255.47 | 1.00 | 0.86 |
| | | | | 5-10% spodumene as stubby crystals of various | | | | | |
| | | | | shapes generally <3cm 1-2cm and odd large | | | | | |
| | | | | ones >5cm. | | | | | |
| | | | | Fine grained, sugary textured Plagioclase plus | | | | | |
| | | | | muscovite from 252.7 to 253.1 and from 254.5 | | | | | |
| | | | | to 255.0. Coarse spodumene plus quartz from | | | | | |
| | | | | 253.5 to 254.2m. | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 15cm fine muscovite near lower contact. | | | | | |
| | | | | Lower contact at 90 to CA. | | | | | |
| | | | | | | | | | |
| **255.47** | **261.00** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Same as 211.10 to 236.65. | | | | | |
| | | | | 257.80 to 258.6 white, fine to medium grained | | | | | |
| | | | | with a coarse center PG-MV-PH+/-QZ micaceous | | | | | |
| | | | | pegmatite. No visible spodumene. Upper contact | | | | | |
| | | | | at 15 to CA; lower contact at 45 to CA. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | **261.00m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.65%/64.00m | 107.67 | 171.67 |
| 1.68%/9.60m | 236.65 | 246.25 |
| 1.42%/3.67m | 251.8 | 255.47 |

LITHIUM ONE INC.
Property : James Bay Lithium

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DDH # : | **JBL09-67** | | Start : | 5-Sep-09 | Drilled by : | | Chibougamau |
| Azimuth : | 145° | LOCATION UTM | End : | 7-Sep-09 | | | Diamond Drilling |
| Dip: | -45° | 357767 mE | | | Logged by : | | A.Peshkepia |
| Elevation: | 213m | 5789620 mN | | | **Verified by:** | **AJMc** | on Sept 6th, 2009 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **4.20** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **4.20** | **9.16** | 4.96 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse to very coarse PG-QZ-FP-SP | **1413** | 4.20 | 5.20 | 1.00 | 0.18 |
| | | | | pegmatite. Broken core at upper contact. | **1414** | 5.20 | 6.70 | 1.50 | 0.73 |
| | | | | 4.4-4.93 metasediment xenolith M1; fine grained | **1415** | 6.70 | 8.16 | 1.46 | 0.17 |
| | | | | grey, massive, upper contact at 70 to CA; lower | **1416** | 8.16 | 9.16 | 1.00 | 1.62 |
| | | | | contact at 80 to CA. fine grained mica near both | | | | | |
| | | | | contacts with pegmatite. | | | | | |
| | | | | This pegmatite is predomiantly massive plagiocla- | | | | | |
| | | | | se from 5.45 to 6.60m. | | | | | |
| | | | | Locally massive spodumene at 5.4, 6.7-6.9 and | | | | | |
| | | | | 8.5-8.8m. Overall 5% spodumene as pale green | | | | | |
| | | | | ~5cm crystals. | | | | | |
| | | | | Lower contact at 50 to CA. | | | | | |
| | | | | | | | | | |
| **9.16** | **10.36** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Light to medium grey, fine grained, moderate | | | | | |
| | | | | foliation oriented at 60 to CA; FP-QZ-BO | | | | | |
| | | | | metasediment. | | | | | |
| | | | | | | | | | |
| **10.36** | **20.42** | 10.06 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse to very coarse PG-QZ-FP-SP+/- | **1417** | 10.36 | 11.36 | 1.00 | 2.24 |
| | | | | PH pegmatite. Upper contact at 55 to CA. | **1418** | 11.36 | 12.86 | 1.50 | 2.20 |
| | | | | 20cm fine grained muscovite and plagioclase | **1419** | 12.86 | 14.36 | 1.50 | 2.07 |
| | | | | near upper contact. | **1420** | 14.36 | 15.86 | 1.50 | 1.24 |
| | | | | 10.55-11.65 pale green Spodumene ~20% as | **1421** | STANDARD-HIGH | | | 1.32 |
| | | | | small <2cm grains in a predominantly quartz, | **1422** | 15.86 | 17.36 | 1.50 | 1.95 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | plagioclase groundmass. | **1423** | 17.36 | 18.42 | 1.06 | 0.39 |
| | | | | 11.65-13.8 coarse spodumene as stubby up to | **1424** | 18.42 | 19.42 | 1.00 | 0.82 |
| | | | | 5cm thick crystals; | **1425** | 19.42 | 20.42 | 1.00 | 0.22 |
| | | | | 13.8-15.7 few odd spoduemene crystals in | | | | | |
| | | | | PG-FP groundmass; | | | | | |
| | | | | 15.7-19.2 ~10% spodumene as large, stubby | | | | | |
| | | | | crystals. | | | | | |
| | | | | 19.2-20.42 massive plagiolcase, minor SP, grey | | | | | |
| | | | | FP from 20.0 to 20.42. Lower contact at 70 CA. | | | | | |
| | | | | | | | | | |
| **20.42** | **27.14** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 9.16 to 10.36. | | | | | |
| | | | | 21.22-21.52 medium grained, white PG-QZ-MV | | | | | |
| | | | | pegmatite dyke, no visible spodumene; both | | | | | |
| | | | | contacts at 55 to CA. | | | | | |
| | | | | | | | | | |
| **27.14** | **53.00** | 25.86 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, white PG-QZ-SP-FP-PH pegma- | **1426** | 27.14 | 28.14 | 1.00 | 0.05 |
| | | | | tite. Upper contact at 45 to CA. | **1427** | 28.14 | 29.64 | 1.50 | 0.28 |
| | | | | From upper contact to 31.5m mainly PG-FP-QZ | **1428** | 29.64 | 31.14 | 1.50 | 1.15 |
| | | | | with minor spodumene. | **1429** | 31.14 | 32.64 | 1.50 | 1.94 |
| | | | | 31.5-34.6 coarse, green, 25-30% spodumene as | **1430** | 32.64 | 34.14 | 1.50 | 2.95 |
| | | | | semi-massive sections | **1431** | 34.14 | 35.64 | 1.50 | 1.73 |
| | | | | 34.6-38.3 minor spodumene as odd stubby crys- | **980** | DUPLICATE | | | 1.59 |
| | | | | tals in predominantly PG-QZ. | **1432** | 35.64 | 37.14 | 1.50 | 1.38 |
| | | | | 38.3 to 53.0 10-15% spoduemene as large 5-10 | **1433** | 37.14 | 38.64 | 1.50 | 1.94 |
| | | | | cm long crystals, pale green, few 10-15cm | **1434** | 38.64 | 40.14 | 1.50 | 2.09 |
| | | | | massive to semi-massive sections from 49.5 to | **1435** | 40.14 | 41.64 | 1.50 | 2.04 |
| | | | | 52.5. | **1436** | 41.64 | 43.14 | 1.50 | 2.86 |
| | | | | Overall this pegmatite contains up to 15% SP. | **1437** | 43.14 | 44.64 | 1.50 | 2.32 |
| | | | | Lower contact at 40 to CA. | **1438** | 44.64 | 46.14 | 1.50 | 1.07 |
| | | | | | **1439** | 46.14 | 47.64 | 1.50 | 1.99 |
| | | | | | **1440** | 47.64 | 49.14 | 1.50 | 1.94 |
| | | | | | **1441** | STANDARD-HIGH | | | 1.32 |
| | | | | | **1442** | 49.14 | 50.64 | 1.50 | 2.54 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | **1443** | 50.64 | 52.00 | 1.36 | 1.94 |
| | | | | | **1444** | 52.00 | 53.00 | 1.00 | 1.70 |
| | | | | | | | | | |
| **53.00** | **56.20** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained, FP-QZ-BO, weak foli- | | | | | |
| | | | | ation at 40 to CA. | | | | | |
| | | | | 53.20-53.45; 25cm PG-MV-QZ pegmatite dyke | | | | | |
| | | | | oriented at 35 to CA. | | | | | |
| | | | | | | | | | |
| **56.20** | **60.82** | 4.62 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse grained PG-QZ-SP-PH pegmatite. | **1445** | 56.20 | 57.20 | 1.00 | 0.68 |
| | | | | Upper contact at 45 to CA. | **1446** | 57.20 | 58.70 | 1.50 | 1.85 |
| | | | | Spotty, fine grained, yellowish alteration musco-r | **1447** | 58.70 | 59.82 | 1.12 | 2.67 |
| | | | | vite? from upper contact to 57.0m. | **1448** | 59.82 | 60.82 | 1.00 | 0.02 |
| | | | | 57.2 to 59.7 coarse SP-QZ-PG-PH central sec- | | | | | |
| | | | | tion of the dyke; light green stubby spodumene | | | | | |
| | | | | crystals ~5cm in length; overall <10% spodume- | | | | | |
| | | | | ne. | | | | | |
| | | | | 59.7 to 60.82 milky white plagioclase, minor FP, | | | | | |
| | | | | no visible spodumene. | | | | | |
| | | | | Lower contact at 50 to CA. | | | | | |
| | | | | | | | | | |
| **60.82** | **84.75** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Grey, fine grained, massive FP-QZ-BO metase- | | | | | |
| | | | | diment; weak foliation at various angles to CA. | | | | | |
| | | | | Spots of andalusite porphyroblasts from 72.0 | | | | | |
| | | | | to 75.0m. | | | | | |
| | | | | | | | | | |
| **84.75** | **108.65** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Grey, fine grained, well foliated FP-QZ-BO meta- | | | | | |
| | | | | sediment; highly deformed, biotite rich para- | | | | | |
| | | | | gneiss. Foliation varies from subparallel to CA | | | | | |
| | | | | to 80 to CA over a short distance. | | | | | |
| | | | | 88.57-89.12 massive quartz vein at 50 to CA. | | | | | |
| | | | | | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **108.65** | **132.7** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained FP-QZ-BO metasedi- | | | | | |
| | | | | ment; moderate foliation changing from | | | | | |
| | | | | subparallel to CA at 117.0m to 45 to CA at | | | | | |
| | | | | 128.0m. | | | | | |
| | | | | | | | | | |
| **132.7** | **172.00** | 39.30 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse to locally very coarse PG-QZ-SP- | **1449** | 132.70 | 133.70 | 1.00 | 0.71 |
| | | | | FP-PH+/-MV pegmatite. | **1450** | 133.70 | 135.20 | 1.50 | 1.42 |
| | | | | Upper contact at 65 to CA. | **1451** | 135.20 | 136.70 | 1.50 | 2.73 |
| | | | | Dark grey feldspar, plagioclase and fine grained | **1452** | BLANK | | | <100 ppm |
| | | | | muscovite near the upper contact up to 133.5. | **1453** | 136.70 | 138.20 | 1.50 | 1.15 |
| | | | | Spodumene starts at 133.5 as pale green to | **1454** | 138.20 | 139.70 | 1.50 | 1.25 |
| | | | | white large stubby crystals >10cm long, | **1455** | 139.70 | 141.20 | 1.50 | 2.88 |
| | | | | together with coarse phlogopite, massive quartz | **1456** | 141.20 | 142.70 | 1.50 | 3.49 |
| | | | | and light grey feldspar. From 133.5 to 137.5 | **1457** | 142.70 | 144.20 | 1.50 | 2.76 |
| | | | | up to 15% spodumene. | **1458** | 144.20 | 145.70 | 1.50 | 1.29 |
| | | | | 137.5-145.3 coarse to very coarse spodumene, | **1459** | 145.70 | 147.20 | 1.50 | 1.19 |
| | | | | several 10-15cm semi-massive to massive sec- | **1460** | 147.20 | 148.70 | 1.50 | 1.70 |
| | | | | tions associated with coarse phlogopite, plagio- | **1461** | 148.70 | 150.20 | 1.50 | 2.02 |
| | | | | clase and quartz. | **1462** | STANDARD-LOW | | | 0.85 |
| | | | | Few cm size apatite grains at 143.5 and 144.9m. | **1463** | 150.20 | 151.70 | 1.50 | 1.78 |
| | | | | 145.3 to 159.0 spodumene graiuns become sma- | **1464** | 151.70 | 153.20 | 1.50 | 1.40 |
| | | | | ller <5cm in size, ~15% spodumene in this sec- | **1465** | 153.20 | 154.70 | 1.50 | 1.26 |
| | | | | tion.Partial serpentine altered spodumene grains | **1466** | 154.70 | 156.20 | 1.50 | 1.57 |
| | | | | from 150.6 to 151.2m. | **1467** | 156.20 | 157.70 | 1.50 | 1.63 |
| | | | | Few large 10-15cm long spodumene crystals | **1468** | 157.70 | 159.20 | 1.50 | 1.99 |
| | | | | at 155.0 and 156.0m in a quartz, plagioclase | **1469** | 159.20 | 160.70 | 1.50 | 3.38 |
| | | | | groundmass with minor feldspar. | **1470** | 160.70 | 162.20 | 1.50 | 1.94 |
| | | | | Partial serpentine altered spodumene grains | **1471** | 162.20 | 163.70 | 1.50 | 0.79 |
| | | | | from 155.5 to 156.5m. | **1472** | 163.70 | 165.20 | 1.50 | 0.90 |
| | | | | 159.0 to 162.0 very coarse section with semi- | **981** | DUPLICATE | | | 0.91 |
| | | | | massive SP, QZ, PH, PG and FP. | **1473** | 165.20 | 166.70 | 1.50 | 1.65 |
| | | | | 162.0-172.0 smaller size spodumene crytals | **1474** | 166.70 | 168.20 | 1.50 | 1.70 |
| | | | | <5cm, pale green to white. | **1475** | 168.20 | 169.70 | 1.50 | 2.01 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Overall 15% spodumene. | **1476** | 169.70 | 171.00 | 1.30 | 2.09 |
| | | | | From 168.0 to 172.0 more grey feldspar than PG | **1477** | 171.00 | 172.00 | 1.00 | 0.49 |
| | | | | Lower contact at 70 to CA. | | | | | |
| | | | | | | | | | |
| **172.00** | **179.20** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained, moderate to well foli- | | | | | |
| | | | | ated at 55 to 65 to CA; FP-QZ-BO. | | | | | |
| | | | | Thin micaceous pegmatite dykes at 173.82- | | | | | |
| | | | | 173.95 at 80 to CA and from 174.2 to 174.48 at | | | | | |
| | | | | 40 to CA. PG-QZ-MV fine to medium grained. | | | | | |
| | | | | | | | | | |
| **179.20** | **184.80** | 5.60 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, white with light grey sections | **1478** | 179.20 | 180.20 | 1.00 | 1.53 |
| | | | | PG-FP-QZ-SP-MV pegmatite. | **1479** | 180.20 | 181.70 | 1.50 | 1.80 |
| | | | | Upper contact at 75 to CA. | **1480** | 181.70 | 182.80 | 1.10 | 0.81 |
| | | | | 30cm milky white PG plus fine muscovite at upper | **1481** | 182.80 | 183.80 | 1.00 | 0.53 |
| | | | | contact. | **1482** | STANDARD-HIGH | | | 1.29 |
| | | | | 5-10% spodumene as relatively small 1-3cm pale | **1483** | 183.80 | 184.80 | 1.00 | 0.51 |
| | | | | green crystals from 179.50 to 181.20. | | | | | |
| | | | | 181.20-184.80 about 5% spodumene, fine grai- | | | | | |
| | | | | ned yellow muscovite, banded milky white plagio- | | | | | |
| | | | | clase from 183.2 to 183.90. | | | | | |
| | | | | 184.42-184.55 metasediment xenolith. | | | | | |
| | | | | Lower contact at 50 to CA. | | | | | |
| | | | | | | | | | |
| **184.80** | **195.00** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 172.0 to 179.20m. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | **195.00m E.O.H.** | | | | | |

LITHOLOGY

| From | To | Length | Rock | Description | Sample # | From | To | Length | $Li_2O$ |
|---|---|---|---|---|---|---|---|---|---|
| | | (m) | Code | | | | | (m) | (%) |

**ASSAY (averages) SUMMARY**

| | from | to | |
|---|---|---|---|
| 1.92%/7.00m | 10.36 | 17.36 | |
| 1.98%/23.36m | 29.64 | 53.00 | |
| 2.20%/2.62m | 57.20 | 59.82 | |
| 1.84%/37.30m | 133.70 | 171.00 | including |
| *3.04%/4.50m* | *139.70* | *144.20* | & |
| *2.43%/4.50m* | *157.70* | *162.20* | & |
| 1.42%/3.60m | 179.20 | 182.80 | |

LITHIUM ONE INC.
Property : James Bay Lithium

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DDH # : | **JBL09-68** | | Start : | 7-Sep-09 | Drilled by : | | Chibougamau |
| Azimuth : | 145° | LOCATION UTM | End : | 8-Sep-09 | | | Diamond Drilling |
| Dip: | -45° | 357713 mE | | | Logged by : | | A.Peshkepia |
| Elevation: | 212m | 5769611 mN | | | **Verified by:** | **AJMc** | on Sept. 8th, 2009 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **4.00** | | | **OVERBURDEN** | | | | | |
| | | | | Pebble size pieces of metasediment, 10-15cm | | | | | |
| | | | | pieces of grounded core of pegmatite from | | | | | |
| | | | | 3.0 to 4.0m. | | | | | |
| | | | | | | | | | |
| **4.00** | **5.55** | 1.55 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse grained QZ-FP-PH-PG pegmatite; | **1484** | 4.00 | 5.55 | 1.55 | 0.06 |
| | | | | no visible spodumene. Grounded core at upper | | | | | |
| | | | | contact, broken core from 4.2 to 4.7m. | | | | | |
| | | | | Dark grey feldspar from 4.7 to 5.0m; | | | | | |
| | | | | 5.25-5.45 clevelandite. Fine grained mica near | | | | | |
| | | | | lower contact. | | | | | |
| | | | | Lower contact at 70 to CA. | | | | | |
| | | | | | | | | | |
| **5.55** | **54.05** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained, massive FP-QZ-BO | | | | | |
| | | | | metasediment; weak to moderate foliation at | | | | | |
| | | | | 50 to CA. | | | | | |
| | | | | From 7.4 to 10.5 and from 26.0 to 31.0 andalu- | | | | | |
| | | | | site porphyroblasts, dark green to black, up to | | | | | |
| | | | | 2cm across. | | | | | |
| | | | | | | | | | |
| **54.05** | **54.55** | 0.50 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, medium to coarse grained QZ-MV-PG-PH | | | | | |
| | | | | pegmatite dyke. No visible spodumene. Pervasive | **1485** | 54.05 | 54.55 | 0.50 | 0.02 |
| | | | | muscovite. Grounded core at upper contact; | | | | | |
| | | | | lower contact at 55 to CA. | | | | | |
| | | | | | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **54.55** | **58.57** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 5.55 to 54.05m. | | | | | |
| | | | | | | | | | |
| **58.57** | **60.18** | 1.61 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Medium to coarse grained, white PG-FP-QZ-MV | **1486** | 58.57 | 60.18 | 1.61 | 0.02 |
| | | | | pegmatite. Novisible spodumene. Pervasive, | | | | | |
| | | | | yellowish, fine grained, alteration. Upper contact | | | | | |
| | | | | at 50 to CA; lower contact at 60 to CA. | | | | | |
| | | | | | | | | | |
| **60.18** | **150.95** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained, weak to moderate | | | | | |
| | | | | foliation at various angles to core axis. | | | | | |
| | | | | FP-QZ-BO metasediment. | | | | | |
| | | | | From 60.8 to 62.5 dark green to black andalusi- | | | | | |
| | | | | te porphyroblasts and silvery sillimanite. | | | | | |
| | | | | 66.5-71.0 large 2-3cm across dark green to | | | | | |
| | | | | black andalusite porphyroblasts. | | | | | |
| | | | | Few quartz veins 5-10cm thick from 75.4 to 81.8. | | | | | |
| | | | | From 97.5 to 100.5 white to llight grey, subroun- | | | | | |
| | | | | ded andalusite porphyroblasts 1-2cm across. | | | | | |
| | | | | 142.66-143.84 aplite dyke, white, fine grained, | **1487** | 142.66 | 143.84 | 1.18 | 0.02 |
| | | | | PG-QZ-MV, weak banding. Upper contact at 75 | | | | | |
| | | | | to CA; lower contact at 35 to CA. | | | | | |
| | | | | 149.10-149.84; fine to medium grained, pegma- | **1488** | 149.10 | 149.84 | 0.74 | 0.03 |
| | | | | tite dyke; PG-MV-QZ. Upper contact at 20 to | | | | | |
| | | | | CA; lower contact at 60 to CA. | | | | | |
| | | | | | | | | | |
| **150.95** | **152.9** | 1.95 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, white to light grey, PG-FP-PH- | **1489** | 150.95 | 152.00 | 1.05 | 0.16 |
| | | | | QZ+/-SP.~ 1-2% spodumene. | **1490** | 152.00 | 152.90 | 0.90 | 0.04 |
| | | | | Upper contact at 90 to CA. | | | | | |
| | | | | 150.95-151.7 massive quartz plus coarse phlogo- | | | | | |
| | | | | pite, minor spodumene as 1cm euhedral crystals | | | | | |
| | | | | at 151.50m. | | | | | |
| | | | | 151.7-152.90 mainly dark dark grey feldspar and | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | quartz, minor apatite, no spodumene. | | | | | |
| | | | | Lower contact at 40 to CA. | | | | | |
| | | | | | | | | | |
| **152.9** | **157.03** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained, massive FP-QZ-BO | | | | | |
| | | | | metasediment; weak foliation subparallel to CA. | | | | | |
| | | | | | | | | | |
| **157.03** | **167.33** | 10.30 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse grained PG-FP-QZ-PH+/-SP peg- | **1491** | 157.03 | 158.03 | 1.00 | 0.01 |
| | | | | matite. | **1492** | 158.03 | 159.53 | 1.50 | 0.19 |
| | | | | Upper contact at 50 to CA. | **1493** | BLANK | | | <100 ppm |
| | | | | Trace spodumene as isolated sinlge crystals, | **1494** | 159.53 | 161.03 | 1.50 | 0.03 |
| | | | | some altered to dark green serpentine at 161.10 | **1495** | 161.03 | 162.53 | 1.50 | 0.15 |
| | | | | and 163.0m. | **1496** | 162.53 | 164.03 | 1.50 | 0.42 |
| | | | | From 163.30 to 163.90 few, less than 5cm long | **1497** | 164.03 | 165.53 | 0.80 | 0.27 |
| | | | | spodumene crystals. Two spodumene crystals | **1498** | 165.53 | 166.33 | 1.00 | 0.17 |
| | | | | up to 10cm long at 164.40m. | **1499** | 166.33 | 167.33 | 1.00 | 0.10 |
| | | | | Overall this dyke contains 1-3% spodumene. | | | | | |
| | | | | 165.93-166.50 metasediment xenolith, dark grey, | | | | | |
| | | | | micaceous near contacts, foliation parallel to CA. | | | | | |
| | | | | Lower contact of pegmatite at 55 to CA. | | | | | |
| | | | | | | | | | |
| **167.33** | **181.87** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained, massive FP-QZ-BO | | | | | |
| | | | | metasediment; weak foliation, changes from | | | | | |
| | | | | subparallel to CA near upper contact to 50 to | | | | | |
| | | | | CA near the lower contact. | | | | | |
| | | | | Fine grained mica in the first meter near the | | | | | |
| | | | | upper contact. | | | | | |
| | | | | | | | | | |
| **181.87** | **194.14** | 12.27 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, white PG-FP-QZ-PH+/-SP | **1500** | 181.87 | 182.87 | 1.00 | 0.03 |
| | | | | pegmatite. | **2001** | BLANK | | | <100 ppm |
| | | | | Upper contact at 50 to CA. | **2002** | 182.87 | 184.37 | 1.50 | 0.29 |
| | | | | Fine grained, sugary textured PG-MV aplitic | **2003** | 184.37 | 185.87 | 1.50 | 0.14 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | for about 60cm near the upper contact. | **2004** | 185.87 | 187.37 | 1.50 | 0.16 |
| | | | | 15cm metasediment xenolith 182.87 to 183.02; | **2005** | 187.37 | 188.87 | 1.50 | 0.17 |
| | | | | This pegmatite is predominantly PG-FP-QZ and | **2006** | 188.87 | 190.37 | 1.50 | 0.14 |
| | | | | PH with minor spodumene. | **2007** | 190.37 | 191.87 | 1.50 | 1.28 |
| | | | | Spodumene starts at 188.5 ad small 1-2cm crys- | **2008** | 191.87 | 193.14 | 1.27 | 0.15 |
| | | | | tals, dark green altered. | **2009** | 193.14 | 194.14 | 1.00 | 0.03 |
| | | | | 191.3-191.50 20cm massive spodumene, one | | | | | |
| | | | | large crystal. | | | | | |
| | | | | Dark grey to black feldspar from 191.7 to 193.2 | | | | | |
| | | | | Overall this pegmatite contains <3% spodumene. | | | | | |
| | | | | Lower contact at 45 to CA. | | | | | |
| | | | | | | | | | |
| **194.14** | **202.68** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 167.33 to 181.87. | | | | | |
| | | | | | | | | | |
| **202.68** | **203.95** | 1.27 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White to light grey, coarse grained QZ-PH-PG-FP | **2010** | 202.68 | 203.95 | 1.27 | 0.08 |
| | | | | pegmatite. Upper contact at 75 to CA. Coarse | | | | | |
| | | | | phlogopite and quartz, minor feldspar, no visible | | | | | |
| | | | | spodumene; fine grained, milky white plagioclase | | | | | |
| | | | | near upper contact. | | | | | |
| | | | | Lower contact at 65 to CA. | | | | | |
| | | | | | | | | | |
| **203.95** | **215.60** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Grey, massive, fine grained FP-QZ-BO metasedi- | | | | | |
| | | | | ment; weak foliation at 60 to CA. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | **215.60m E.O.H.** | | | | | |

LITHIUM ONE INC.
Property : James Bay-Lithium

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DDH # : | **JBL09-69** | | Start : | 8-Sep-09 | Drilled by : | | Chibougamau |
| Azimuth : | 145° | LOCATION UTM | End : | 9-Sep-09 | | | Diamond Drilling |
| Dip: | -45° | 357759 mE | | | Logged by : | | A.Peshkepia |
| Elevation: | 222m | 5769548 mN | | | **Verified by:** | **AJMc** | on Sept. 10th, 2009 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **4.60** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **4.60** | **89.94** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained FP-QZ-BO metasedi- | | | | | |
| | | | | ment; weak to moderate foliation: 30 to CA | | | | | |
| | | | | from 4.6 to 28.0 and 50 to CA from 28.0 to | | | | | |
| | | | | 49.5m. | | | | | |
| | | | | 20.0-21.0 dark green to black andalusite? Por- | | | | | |
| | | | | phyroblasts <1cm in size; as well from 28.5 to | | | | | |
| | | | | 31.3 and from 53.1 to 54.0. | | | | | |
| | | | | From 55.0 onward the porphyroblasts are larger | | | | | |
| | | | | up to 2cm across , subrounded and somewhat | | | | | |
| | | | | deformed from 55.0 to 62.0; from 73.0 to 75.5 | | | | | |
| | | | | and from 81.0 to 83.3m. | | | | | |
| | | | | | | | | | |
| **89.94** | **92.90** | 2.96 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, medium to coarse grained PG-FP+/-QZ+/- | **2011** | STANDARD-HIGH | | | 1.32 |
| | | | | MV pegmatite dyke with no visible spodumene. | **2012** | 89.94 | 91.40 | 1.46 | 0.02 |
| | | | | Fine grained yellowish mica? Alteration; | **2013** | 91.40 | 92.90 | 1.50 | 0.02 |
| | | | | 92.1-92.9 fine grained, sugary texture plagiocla- | | | | | |
| | | | | se, aplite. | | | | | |
| | | | | Upper contact at 30 to CA; lower contact at 50 | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |
| **92.90** | **100.82** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Grey, fine grained, moderately foliated FP-QZ-BO | | | | | |
| | | | | metasediment; foliation at 60 to CA. | | | | | |
| | | | | | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **100.82** | **109.52** | 8.70 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, white PG-QZ-SP-FP-PH pegma- | **2014** | 100.82 | 101.82 | 1.00 | 0.76 |
| | | | | tite. Upper contact at 80 to CA. | **2015** | 101.82 | 103.32 | 1.50 | 0.76 |
| | | | | About 10% spodumene starting at 101.3m as | **2016** | 103.32 | 104.82 | 1.50 | 1.41 |
| | | | | grey, partially serpentine altered crystals down | **2017** | 104.82 | 106.32 | 1.50 | 1.80 |
| | | | | to 103.5m. | **2018** | 106.32 | 107.42 | 1.10 | 1.58 |
| | | | | From 103.5 to 108.5 spodumene crystals are | **2019** | 107.42 | 108.52 | 1.10 | 1.56 |
| | | | | pale green stubby to subrounded in places mixed | **2020** | 108.52 | 109.52 | 1.00 | 0.26 |
| | | | | with longer up to 7cm crystals subparallel to CA. | | | | | |
| | | | | Lower contact at 90 to CA. | | | | | |
| | | | | | | | | | |
| **109.52** | **130.36** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained FP-QZ-BO, weakly | | | | | |
| | | | | foliated metasediment. Foliation locally moderate | | | | | |
| | | | | oriented at 30 to CA. Several thin ~5cm quartz | | | | | |
| | | | | veins intersect this unit from 114.5 to 122.5. | | | | | |
| | | | | | | | | | |
| **130.36** | **132.06** | 1.70 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, medium grained, PG-QZ-MV+/-FP pegma- | **2021** | 130.36 | 131.21 | 0.85 | 0.04 |
| | | | | tite; no visible spodumene. Probably an aplite. | **982** | DUPLICATE | | | 0.04 |
| | | | | Upper contact at 15 to CA; lower contact at | **2022** | 131.21 | 132.06 | 0.85 | 0.01 |
| | | | | 35 to CA. | | | | | |
| | | | | | | | | | |
| **132.06** | **150.30** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained, massive FP-QZ-BO | | | | | |
| | | | | metasediment; weak foliation at 20 to CA. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | **150.30m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.59%/5.20m | 103.30 | 108.50 |

LITHIUM ONE INC.
Property : James Bay Lithium

| | | | | | |
|---|---|---|---|---|---|
| DDH # : | **JBL09-71** | | Start : 9-Sep-09 | Drilled by : | Chibougamau Diamond Drilling |
| Azimuth : | 145° | LOCATION UTM | End : 9-Sep-09 | | |
| Dip: | -45° | 357790 mE | | Logged by : | A.Peskepia |
| Elevation: | 225m | 5789491 mN | | **Verified by:** | **AJMc** on Sept. 9th, 2009 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **15.90** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **15.90** | **18.02** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Grey, fine grained, massive, FP-QZ-BO metase- | | | | | |
| | | | | diment; weak foliation at 20 to CA. | | | | | |
| | | | | | | | | | |
| **18.02** | **24.80** | 6.78 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse grained, PG-QZ-FP-SP-MV pegma- | **2023** | 18.02 | 19.02 | 1.00 | 0.01 |
| | | | | tite. Upper contact at 60 to CA; lower contact | **2024** | 19.02 | 20.52 | 1.50 | 0.31 |
| | | | | broken core. | **2025** | 20.52 | 22.02 | 1.50 | 1.15 |
| | | | | Yellowish, fine grained alteration plus quartz, | **2026** | 22.02 | 22.92 | 0.90 | 1.25 |
| | | | | plagioclase and feldspar in the first meter. | **2027** | 22.92 | 23.80 | 0.88 | 0.55 |
| | | | | From 19.50 to 23.0 5-10% spodumene as pale | **2028** | 23.80 | 24.80 | 1.00 | 0.02 |
| | | | | green 5-10cm semimassive sections; | | | | | |
| | | | | large spodumene crystals from 21.0 to 23.0. | | | | | |
| | | | | 24.1-24.65 massive quartz, well fractured; bro- | | | | | |
| | | | | ken core from 24.0 to 24.80. | | | | | |
| | | | | | | | | | |
| **24.80** | **80.70** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Grey,fine grained, massive FP-QZ-BO metasedi- | | | | | |
| | | | | ment; weak foliation at 20 to 35 to CA. Moderate | | | | | |
| | | | | to intense fracturing from 34.0 to 40.5; 52.0 to | | | | | |
| | | | | 54.40, from 64.4 to 66.40 and from 68.0 to 71.3. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | **80.70m E.O.H.** | | | | | |

LITHOLOGY

| From | To | Length | Rock | Description | Sample # | From | To | Length | $Li_2O$ |
|---|---|---|---|---|---|---|---|---|---|
| | | (m) | Code | | | | | (m) | (%) |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.19%/2.40m | 20.52 | 22.92 |

LITHIUM ONE INC.
Property : James Bay Lithium

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DDH # : | **JBL09-72** | | Start : | 10-Sep-09 | Drilled by : | | Chibougamau |
| Azimuth : | 145° | LOCATION UTM | End : | 11-Sep-09 | | | Diamond Drilling |
| Dip: | -45° | 357798 mE | | | Logged by : | | A. Peskepia |
| Elevation: | 220m | 5789562 mN | | | **Verified by:** | **AJMc** | on Sept. 11th, 2009 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **3.50** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **3.50** | **89.44** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained FP-QZ-BO metasedi- | | | | | |
| | | | | ment; weak to moderate foliation at 30 to CA. | | | | | |
| | | | | 31.2-32.8 white, fine to medium grained peg- | | | | | |
| | | | | matite dyke; PG-QZ-MV, weak banding; no | | | | | |
| | | | | visible spodumene; both contacts at 70 to CA. | | | | | |
| | | | | 47.18-47.38 20cm PG-QZ-MV pegmatite at 60 | | | | | |
| | | | | to CA; no spodumene. | | | | | |
| | | | | 62.9-64.0 white, medium grained PG-QZ-MV | | | | | |
| | | | | pegmatite dyke, no visible spodumene; upper | | | | | |
| | | | | contact at 20 to CA; lower contact at 40 to CA. | | | | | |
| | | | | 64.65-64.90 25cm pegmatite dyke of similar | | | | | |
| | | | | composition oriented at 40 to CA; no visible | | | | | |
| | | | | spodumene. | | | | | |
| | | | | 77.25-78.05 quartz tourmaline veining. | | | | | |
| | | | | | | | | | |
| **89.44** | **130.67** | 41.23 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse to very coarse grained, white with light | **2029** | 89.44 | 90.44 | 1.00 | 0.02 |
| | | | | grey sections PG-FP-SP-QZ-PH pegmatite. | **2030** | 90.44 | 91.94 | 1.50 | 0.98 |
| | | | | Upper contact at 65 to CA. | **2031** | STANDARD-HIGH | | | 1.24 |
| | | | | Fine grained yellowish alteration in the first me- | **2032** | 91.94 | 93.44 | 1.50 | 1.71 |
| | | | | ter near the upper contact. | **2033** | 93.44 | 94.94 | 1.50 | 0.87 |
| | | | | Spodumene starts at 90.70 as pale green, stu- | **2034** | 94.94 | 96.44 | 1.50 | 2.07 |
| | | | | bby crystals >5cm in size, some partially altered | **2035** | 96.44 | 97.94 | 1.50 | 2.03 |
| | | | | to serpentine from 93.50 to 93.70. | **2036** | 97.94 | 99.44 | 1.50 | 1.41 |
| | | | | Large spodumene crystals >10cm long from 95.5 | **2037** | 99.44 | 100.94 | 1.50 | 1.87 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | to 97.50. | **2038** | 100.94 | 102.44 | 1.50 | 1.68 |
| | | | | From 98.90 to 103.90 spodumene crystals are | **2039** | 102.44 | 103.94 | 1.50 | 1.91 |
| | | | | smaller <3cm in length, some subrounded. | **2040** | 103.94 | 105.44 | 1.50 | 2.17 |
| | | | | 103.40-111.80 very coarse section of the dyke | **2041** | 105.44 | 106.94 | 1.50 | 1.17 |
| | | | | with QZ, FP,PH, SP | **2042** | BLANK | | | <100 ppm |
| | | | | 112.0-119.0 spudomene grains are smaller | **2043** | 106.94 | 108.44 | 1.50 | 0.73 |
| | | | | but relatively more abundant. | **2044** | 108.44 | 109.94 | 1.50 | 1.38 |
| | | | | Overall spodumene content is 15-20% | **2045** | 109.94 | 111.44 | 1.50 | 2.13 |
| | | | | 119.50-120.3 massive quartz | **2046** | 111.44 | 112.94 | 1.50 | 2.20 |
| | | | | 120.18 one euhedral beryl crystal, hegzagonal | **2047** | 112.94 | 114.44 | 1.50 | 2.10 |
| | | | | 1cm across, white. | **2048** | 114.44 | 115.94 | 1.50 | 1.08 |
| | | | | 122.4-125.5 very coarse section with massive | **2049** | STANDARD-LOW | | | 0.87 |
| | | | | QZ, FP and coarse phlogopite, one 15cm long | **2050** | 115.94 | 117.44 | 1.5 | 1.17 |
| | | | | massive pale green spodumene crystal at 123.60 | **2051** | 117.44 | 118.94 | 1.50 | 1.48 |
| | | | | 123.2-124.5 massive quartz section. | **2052** | 118.94 | 120.44 | 1.50 | 1.08 |
| | | | | 124.70 one possibel beryl crystal, white, subhed- | **2053** | 120.44 | 121.94 | 1.50 | 1.56 |
| | | | | ral, 1cm across netx to a 10 cm long spodumene | **2054** | 121.94 | 123.44 | 1.50 | 0.90 |
| | | | | crsytal. | **2055** | 123.44 | 124.94 | 1.50 | 0.44 |
| | | | | 125.5-128.5 10-15% spodumene as pale green | **2056** | 124.94 | 126.44 | 1.50 | 1.03 |
| | | | | small 1-2cm grains. | **2057** | 126.44 | 127.94 | 1.50 | 0.81 |
| | | | | 128.9-129.4 massive quartz. | **2058** | 127.94 | 128.84 | 0.90 | 1.76 |
| | | | | 129.4-130.67 dark grey feldspar, fine grained, | **2059** | 128.84 | 129.67 | 0.83 | 0.40 |
| | | | | milky white plagioclase and fine grained musco- | **2060** | 129.67 | 130.67 | 1.00 | 0.03 |
| | | | | vite. | | | | | |
| | | | | Lower contact at 45 to CA. | | | | | |
| | | | | | | | | | |
| **130.67** | **141.20** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained, massive FP-QZ-BO | | | | | |
| | | | | metasediment; weak foliation subparallel to CA. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | **141.20m E.O.H.** | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|

**ASSAY (averages) SUMMARY**

| | from | to | |
|---|---|---|---|
| 1.45%/38.36m | 90.44 | 128.80 | including |
| *2.05%/3.00m* | *94.94* | *97.94* | & |
| *2.04%/3.00m* | *102.44* | *105.44* | & |
| *2.14%/3.00m* | *109.94* | *114.44* | |

LITHIUM ONE INC.
Property : James Bay Lithium

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DDH # : | **JBL09-73** | | Start : | 11-Sep-09 | Drilled by : | | Chibougamau |
| Azimuth : | 145° | LOCATION UTM | End : | 12-Sep-09 | | | Diamond Drilling |
| Dip: | -45° | 357838 mE | | | Logged by : | | M K |
| Elevation: | 222m | 5789516 mN | | | **Verified by:** | **AJMc** | on Sept 12th, 2009 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **13.00** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **13.00** | **30.45** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Grey, fine grained FP-QZ-BO metasediment | | | | | |
| | | | | weak foliation from changing 30 to CA to parallel | | | | | |
| | | | | to CA. | | | | | |
| | | | | 5-10cm massive quartz veins from 14.10 to 16.5 | | | | | |
| | | | | 19.90-21.15 pegmatite dyke, white, coarse | **2097** | 19.90 | 21.15 | 1.25 | 0.02 |
| | | | | PG-QZ-MV-PH-FP; no visible spodumene. Upper | | | | | |
| | | | | contact at 30 to CA; lower contact at 60 to CA. | | | | | |
| | | | | | | | | | |
| **30.45** | **56.15** | 25.70 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, white PG-QZ-SP-FP-PH pegma- | **2098** | 30.45 | 31.45 | 1.00 | 0.14 |
| | | | | tite. Upper contact at 60 to CA. | **2099** | 31.45 | 32.95 | 1.50 | 1.83 |
| | | | | Fine grained plagioclase plus quartz and musco- | **2100** | 32.95 | 34.45 | 1.50 | 1.52 |
| | | | | for about 1m at upper contact. | **984** | DUPLICATE | | | 1.65 |
| | | | | 31.20-55.0 15% spodumene as pale green, fresh | **2101** | 34.45 | 35.95 | 1.50 | 0.60 |
| | | | | stubby, lcrystals forming semimassive sections | **2101rp** | | | | 0.38 |
| | | | | 10-20cm long from 33.4 to 43.50m. | **2102** | 35.95 | 37.45 | 1.50 | 1.19 |
| | | | | 43.50-55.0 smaller size spodumene grains, pale | **2103** | 37.45 | 38.95 | 1.50 | 0.77 |
| | | | | green, thin crystals up to 4cm long some are | **2103rp** | | | | 0.57 |
| | | | | subparallel to CA. | **2104** | 38.95 | 40.45 | 1.50 | 2.58 |
| | | | | 55.0-56.15 mainly quartz, plagioclase and fine | **2105** | 40.45 | 41.95 | 1.50 | 1.12 |
| | | | | grained muscovite, no spodumene. | **2106** | 41.95 | 43.45 | 1.50 | 1.39 |
| | | | | Lower contact at 55 to CA. | **2107** | 43.45 | 44.95 | 1.50 | 1.44 |
| | | | | | **2108** | 44.95 | 46.45 | 1.50 | 1.72 |
| | | | | | **2109** | STANDARD-LOW | | | 0.85 |
| | | | | | **2110** | 46.45 | 47.95 | 1.50 | 2.03 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | **2111** | 47.95 | 49.45 | 1.50 | 1.50 |
| | | | | | **2112** | 49.45 | 50.95 | 1.50 | 1.61 |
| | | | | | **2113** | 50.95 | 52.45 | 1.50 | 1.69 |
| | | | | | **2114** | 52.45 | 53.95 | 1.50 | 1.07 |
| | | | | | **2115** | 53.95 | 55.15 | 1.20 | 1.38 |
| **56.15** | **72.00** | | **M1** | **METASEDIMENT** | **2116** | 55.15 | 56.15 | 1.00 | 0.03 |
| | | | | Medium grey, fine grained FP-QZ-BO massive | | | | | |
| | | | | metasediment; localized banding from 65.2 to | | | | | |
| | | | | 69.3, banding oriented at 40 to CA. | | | | | |
| | | | | 59.5064.80 dark green subrounded <1cm | | | | | |
| | | | | andalusite? porphyroblasts. | | | | | |
| | | | | | | | | | |
| | | | | **72.00m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.45%/23.70m | 31.45 | 55.15 |

LITHIUM ONE INC.
Property : James Bay Lithium

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DDH # : | **JBL09-74** | | Start : | 12-Sep-09 | Drilled by : | | Chibougamau |
| Azimuth : | 145° | LOCATION UTM | End : | 13-Sep-09 | | | Diamond Drilling |
| Dip: | -45° | 357839 mE | | | Logged by : | | A. Peskepia |
| Elevation: | 217m | 5789566 mN | | | **Verified by:** | **AJMc** | on Sept. 13th, 2009 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **2.20** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **2.20** | **19.12** | 16.92 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, white with few grey sections | **2117** | 2.20 | 3.20 | 1.00 | 0.79 |
| | | | | PG-SP-QZ-FP-PH pegmatite dyke. | **2118** | 3.20 | 4.70 | 1.50 | 1.39 |
| | | | | Upper contact broken core directly under over- | **2119** | BLANK | | | <100 ppm |
| | | | | burden. | **2120** | 4.70 | 6.20 | 1.50 | 1.60 |
| | | | | 15-20% spodumene as pale green, fresh 3-5cm | **2121** | 6.20 | 7.70 | 1.50 | 1.68 |
| | | | | crystals from upper contact down to 9.5m | **2122** | 7.70 | 9.20 | 1.50 | 1.36 |
| | | | | 9.5-17.0 coarse to very coarse section with | **2123** | 9.20 | 10.70 | 1.50 | 2.13 |
| | | | | massive quartz,several cm large plagioclase, | **2124** | 10.70 | 12.20 | 1.50 | 0.92 |
| | | | | feldspar and phlogopite crystals, large spodume- | **2125** | 12.20 | 13.70 | 1.50 | 1.45 |
| | | | | ne crystals forming semi-massive sections 10-15 | **2126** | 13.70 | 15.20 | 1.50 | 1.70 |
| | | | | cm long. | **2127** | 15.20 | 16.70 | 1.50 | 2.17 |
| | | | | 17.50-19.12 fine grained plagioclase plus quartz | **2128** | 16.70 | 18.12 | 1.42 | 0.76 |
| | | | | and yellowish alteration and minor light grey | **2129** | 18.12 | 19.12 | 1.00 | 0.03 |
| | | | | feldspar. | **2130** | STANDARD-HIGH | | | 1.22 |
| | | | | Lower contact at 70 to CA. | | | | | |
| | | | | | | | | | |
| **19.12** | **55.77** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Grey, fine grained, FP-QZ-BO metasediment; | | | | | |
| | | | | massive from upper contact to 29.80m; | | | | | |
| | | | | 29.80-42.0 biotite rich section well foliated, | | | | | |
| | | | | 42.0-55.77 moderate foliation at 30 to CA | | | | | |
| | | | | 51.65-52.15 aplite dyke, white, fine grained, | | | | | |
| | | | | massive plagioclase. Upper contact at 85 to CA; | | | | | |
| | | | | lower contact at 35 to CA. | | | | | |
| | | | | | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **55.77** | **58.05** | 2.28 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, medium to coarse grained PG-QZ-SP-FP | **2131** | 55.77 | 57.00 | 1.23 | 0.66 |
| | | | | pegmatite dyke. Upper contact at 60 to CA. | **2132** | 57.00 | 58.05 | 1.05 | 0.81 |
| | | | | Fine grained, sugary plagioclase for about 25cm | | | | | |
| | | | | near upper contact. 3-5% spodumene mainly | | | | | |
| | | | | at the center of pegmatite from 56.4 to 57.50 | | | | | |
| | | | | as small <2cm greenish-grey crystals. | | | | | |
| | | | | 57.5-58.05 milky white fine grained, massive pla- | | | | | |
| | | | | gioclase. | | | | | |
| | | | | Lower contact at 55 to CA. | | | | | |
| | | | | | | | | | |
| **58.05** | **67.67** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, massive FP-QZ-BO metase- | | | | | |
| | | | | diment; weak foliation at 30 to CA. | | | | | |
| | | | | Light grey,2-3mm euhedral contact metamorphic | | | | | |
| | | | | minerals for about 30cm at lower contact. | | | | | |
| | | | | | | | | | |
| **67.67** | **119.80** | 52.13 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse with very coarse sections, | **2133** | 67.67 | 68.67 | 1.00 | 0.83 |
| | | | | PG-FP-SP-QZ-PH pegmatite. | **2134** | 68.67 | 70.17 | 1.50 | 1.84 |
| | | | | Upper contact at 50 to CA. | **2135** | 70.17 | 71.67 | 1.50 | 0.84 |
| | | | | 15% spodumene as pale green (grey near upper | **2136** | 71.67 | 73.17 | 1.50 | 0.94 |
| | | | | contact for about 1m). | **2137** | 73.17 | 74.67 | 1.50 | 1.46 |
| | | | | Very coarse sections contain large up to 10cm | **2138** | 74.67 | 76.17 | 1.50 | 3.01 |
| | | | | long spodumene crsytals from 69.0 to 70.2. | **2139** | 76.17 | 77.67 | 1.50 | 2.24 |
| | | | | 70.2 a 1cm large white, euhedral beryl? Crystal | **2140** | 77.67 | 79.17 | 1.50 | 2.24 |
| | | | | a possible second one of similar size at 70.6m | **2141** | 79.17 | 80.67 | 1.50 | 1.13 |
| | | | | 70.2-72.50 coarse section with massive grey | **985** | DUPLICATE | | | 1.34 |
| | | | | feldspar, quartz, plagioclase and 5-10% spodu- | **2142** | 80.67 | 82.17 | 1.50 | 1.75 |
| | | | | mene. | **2143** | 82.17 | 83.67 | 1.50 | 0.84 |
| | | | | 72.5-79.6 up to 15% spodumene as crystals of | **2144** | 83.67 | 85.17 | 1.50 | 0.98 |
| | | | | various sizes, pale green, fresh; minor apatite. | **2145** | 85.17 | 86.67 | 1.50 | 1.27 |
| | | | | 79.6-87.5 less spodumene (~5%) in a coarse | **2146** | 86.67 | 88.17 | 1.50 | 1.69 |
| | | | | grained section with mainly plagioclase, feldspar | **2147** | 88.17 | 89.67 | 1.50 | 1.97 |
| | | | | and quartz. | **2148** | 89.67 | 91.17 | 1.50 | 1.80 |

LITHOLOGY

| From | To | Length | Rock | Description | Sample # | From | To | Length | $Li_2O$ |
|---|---|---|---|---|---|---|---|---|---|
| | | (m) | Code | | | | | (m) | (%) |
| | | | | 87.5-102.7 10-15% spodumene as smaller size | **2149** | 91.17 | 92.67 | 1.50 | 1.81 |
| | | | | grains with few large crystals from 92.0 to 94.0 | **2150** | STANDARD-LOW | | | 0.80 |
| | | | | and at 95.0. | **2151** | 92.67 | 94.17 | 1.50 | 1.57 |
| | | | | Good spodumene section from 102.6 to 104.5m | **2152** | 94.17 | 95.67 | 1.50 | 1.37 |
| | | | | with large up to 10cm spodumene crystals. | **2153** | 95.67 | 97.17 | 1.50 | 1.08 |
| | | | | 104.5-116.5 small size spodumene crsytals <3cm | **2154** | 97.17 | 98.67 | 1.50 | 2.09 |
| | | | | greyish-green in mainly feldspar-quartz ground- | **2155** | 98.67 | 100.17 | 1.50 | 2.01 |
| | | | | mass, ~15% SP. | **2156** | 100.17 | 101.67 | 1.50 | 1.08 |
| | | | | 116.67-116.78 11cm metasediment xenolith. | **2157** | 101.67 | 103.17 | 1.50 | 2.00 |
| | | | | 117.10-117.27 17cm metasediment xenolith, | **2158** | 103.17 | 104.67 | 1.50 | 1.52 |
| | | | | 117.62-118.05 43cm metasediment xenolith, | **2159** | 104.67 | 106.17 | 1.50 | 1.18 |
| | | | | dark grey, fine grained, massive M1, fine grained | **2160** | 106.17 | 107.67 | 1.50 | 1.72 |
| | | | | mica. | **2161** | BLANK | | | <100 ppm |
| | | | | 118.05-119.00 ~10% spodumene as pale green | **2162** | 107.67 | 109.17 | 1.50 | 1.63 |
| | | | | <4cm crystals | **2163** | 109.17 | 110.67 | 1.50 | 1.24 |
| | | | | Lower contact at 30 to CA. | **2164** | 110.67 | 112.17 | 1.50 | 1.50 |
| | | | | | **2165** | 112.17 | 113.67 | 1.50 | 1.61 |
| | | | | | **2166** | 113.67 | 115.17 | 1.50 | 0.95 |
| | | | | | **2167** | 115.17 | 116.67 | 1.50 | 1.97 |
| | | | | | **2168** | 116.67 | 117.62 | 0.95 | 0.57 |
| | | | | | **2169** | STANDARD-HIGH | | | 1.35 |
| | | | | | **2170** | 117.62 | 118.80 | 1.18 | 1.49 |
| | | | | | **2171** | 118.80 | 119.80 | 1.00 | 0.57 |
| | | | | | | | | | |
| **119.80** | **123.00** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, massive FP-QZ-BO metasedi- | | | | | |
| | | | | ment. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | **123.00m E.O.H.** | | | | | |

LITHOLOGY

| From | To | Length | Rock | Description | Sample # | From | To | Length | $Li_2O$ |
|---|---|---|---|---|---|---|---|---|---|
| | | (m) | Code | | | | | (m) | (%) |

**ASSAY (averages) SUMMARY**

| | from | to | |
|---|---|---|---|
| 1.60%/13.50m | 3.20 | 16.70 | |
| 1.54%/51.13m | 67.67 | 118.80 | including |
| *2.50%/4.50m* | *74.67* | *79.17* | & |
| *2.05%/3.00m* | *97.17* | *100.17* | |

LITHIUM ONE INC.
Property : James Bay Lithium

| | | | | | |
|---|---|---|---|---|---|
| DDH # : | **JBL09-75** | Start : | 13-Sep-09 | Drilled by : | Chibougamau |
| Azimuth : | 145° | LOCATION UTM | End : 43-Sep-09 | | Diamond Drilling |
| Dip: | -45° | 357913 mE | | Logged by : | M K |
| Elevation: | 218m | 5789573 mN | | **Verified by:** | **AJMc** on Sept. 14th, 2009 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **2.75** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **2.75** | **22.28** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained FP-QZ-BO metasedi- | | | | | |
| | | | | ment; weak to moderate foliation subparallel to | | | | | |
| | | | | CA. | | | | | |
| | | | | 6.5-10.0 andalusite porphyroblasts, dark green | | | | | |
| | | | | to black, subrounded 1-2cm across. | | | | | |
| | | | | 16.1-18.6 andalusite porphyroblasts up to | | | | | |
| | | | | 3cm stretched, roughly subparallel to CA. | | | | | |
| | | | | | | | | | |
| **22.28** | **56.78** | 34.50 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, white PG-QZ-SP-FP-PH pegma- | **2172** | 22.28 | 23.28 | 1.00 | 0.10 |
| | | | | tite dyke. Upper contact at 90 to CA. | **2173** | 23.28 | 24.78 | 1.50 | 1.32 |
| | | | | Fine grained plagioclase plus yellowish muscovite | **2174** | 24.78 | 26.28 | 1.50 | 1.21 |
| | | | | for about 1m near upper contact. | **2175** | 26.28 | 27.78 | 1.50 | 3.31 |
| | | | | 10-15% spodumene as pale green, small to medi- | **2176** | 27.78 | 29.28 | 1.50 | 1.42 |
| | | | | um size crystals 1-5cm; few larger crystals 5-10 | **2177** | 29.28 | 30.78 | 1.50 | 1.08 |
| | | | | cm long in the very coarse section from 23.6 to | **2178** | 30.78 | 32.28 | 1.50 | 0.90 |
| | | | | 30.50. | **2179** | 32.28 | 33.78 | 1.50 | 1.44 |
| | | | | Dark grey feldspar from 44.5 to 47.5m; 10cm | **2180** | 33.78 | 35.28 | 1.50 | 1.42 |
| | | | | metasediment xenolith at 47.0m. | **986** | DUPLICATE | | | 1.73 |
| | | | | 50.5-53.4 very coarse section with massive qua- | **2181** | 35.28 | 36.78 | 1.50 | 1.35 |
| | | | | rtz, large black feldspar crystals and few large | **2182** | 36.78 | 38.28 | 1.50 | 1.83 |
| | | | | 5-7cm spodumene crystals. | **2183** | 38.28 | 39.78 | 1.50 | 1.11 |
| | | | | Lower contact at 45 to CA. | **2184** | 39.78 | 41.28 | 1.50 | 1.46 |
| | | | | | **2185** | 41.28 | 42.78 | 1.50 | 1.56 |
| | | | | | **2186** | 42.78 | 44.28 | 1.50 | 1.48 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | **2187** | 44.28 | 45.78 | 1.50 | 1.22 |
| | | | | | **2188** | 45.78 | 47.28 | 1.50 | 1.85 |
| | | | | | **2189** | 47.28 | 48.78 | 1.50 | 1.71 |
| | | | | | **2190** | 48.78 | 50.28 | 1.50 | 1.76 |
| | | | | | **2191** | 50.28 | 51.78 | 1.50 | 1.75 |
| | | | | | **2192** | STANDARD-HIGH | | | 1.32 |
| | | | | | **2193** | 51.78 | 53.28 | 1.50 | 1.18 |
| | | | | | **2194** | 53.28 | 54.48 | 1.20 | 1.69 |
| | | | | | **2195** | 54.48 | 55.78 | 1.30 | 1.87 |
| | | | | | **2196** | 55.78 | 56.78 | 1.00 | 1.08 |
| | | | | | | | | | |
| **56.78** | **61.55** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, massive, FP-QZ-BO metase- | | | | | |
| | | | | diment; weak foliation at 60 to CA. | | | | | |
| | | | | 59.92-60.13 pegmatite dyke, white, coarse, | | | | | |
| | | | | PG-QZ-MV, no visible spodumene, at 65 to CA. | | | | | |
| | | | | | | | | | |
| **61.55** | **66.85** | 5.30 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, white with dark grey sections | **2197** | 61.55 | 62.55 | 1.00 | 0.90 |
| | | | | PG-QZ-FP-SP pegmatite. | **2198** | 62.55 | 63.55 | 1.00 | 1.34 |
| | | | | Upper contact at 60 to CA. | **2199** | 63.55 | 64.75 | 1.20 | 1.49 |
| | | | | 10% spodumene as pale green to grey <5cm | **2200** | BLANK | | | <100 ppm |
| | | | | long crystals. | **2201** | 64.75 | 65.85 | 1.10 | 0.65 |
| | | | | Coarse dark grey feldspar sections, fine grained | **2202** | 65.85 | 66.85 | 1.00 | 1.00 |
| | | | | sugary textured plagioclase for about 25cm | | | | | |
| | | | | near lower contact. | | | | | |
| | | | | Lower contact at 65 to CA. | | | | | |
| | | | | | | | | | |
| **66.85** | **73.80** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained FP-QZ-BO metasedi- | | | | | |
| | | | | ment, well foliated at 60 to CA, intense folding; | | | | | |
| | | | | light grey, euhedral to subhedral contact | | | | | |
| | | | | metamorphic minerals for about 25cm at upper | | | | | |
| | | | | contact. | | | | | |
| | | | | 69.45-70.90 fine grained, dark brown tourmaline | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | plus quartz veining, finely disseminated aspy. | | | | | |
| | | | | | | | | | |
| **73.8** | **76.36** | 2.56 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, PG-QZ-FP-SP pegmatite dyke | **2203** | 73.80 | 75.00 | 1.20 | 2.24 |
| | | | | Upper contact at 65 to CA. | **2204** | 75.00 | 76.37 | 1.37 | 0.52 |
| | | | | 10% spodumene as relatively small <3cm pale | | | | | |
| | | | | green crystals. | | | | | |
| | | | | Patchy, fine grained, yellowish alteration at 75.6 | | | | | |
| | | | | m. | | | | | |
| | | | | From 75.6 to 76.36 mainly dark grey feldspar, | | | | | |
| | | | | quartz and fine grained muscovite. | | | | | |
| | | | | Lower contact at 50 to CA. | | | | | |
| | | | | | | | | | |
| **76.36** | **90.00** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 66.85-73.80. | | | | | |
| | | | | 81.95-82.45 white, fine to medium grained peg- | | | | | |
| | | | | matite dyke at 60 to CA; PG-QZ+/-MV no visible | | | | | |
| | | | | spodumene. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | **90.00m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.53%/33.50m | 23.28 | 56.78 |
| 1.08%/5.30m | 61.55 | 66.85 |

LITHIUM ONE INC.
Property : James Bay Lithium

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DDH # : | **JBL09-76** | | Start : | 14-Sep-09 | Drilled by : | | Chibougamau |
| Azimuth : | 145° | LOCATION UTM | End : | 15-Sep-09 | | | Diamond Drilling |
| Dip: | -75° | 357913 mE | | | Logged by : | | A. Peskepia |
| Elevation: | 218m | 5789572 mN | | | **Verified by:** | **AJMc** | on Sept. 14th, 2009 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **3.75** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **3.75** | **13.24** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, FP-BO-QZ metasedi- | | | | | |
| | | | | ment; moderate foliation subparallel to CA. | | | | | |
| | | | | Andalusite porphyroblasts 1.5cm in size from 7.0 | | | | | |
| | | | | to 11.0, dark green to black, subrounded. | | | | | |
| | | | | | | | | | |
| **13.24** | **14.86** | 1.62 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, medium to coarse grained PG-QZ-MV-FP | **2205** | 13.24 | 14.86 | 1.62 | 0.02 |
| | | | | pegmatite dyke, no visible spodumene. Fine | | | | | |
| | | | | grained yellowish alteration developed along | | | | | |
| | | | | fractures. Fine grained muscovite for about 20cm | | | | | |
| | | | | at both contacts. | | | | | |
| | | | | Upper contact at 60 to CA; lower contact at | | | | | |
| | | | | 40 to CA. | | | | | |
| | | | | | | | | | |
| **14.86** | **19.24** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 3.75 to 13.24m. | | | | | |
| | | | | 17.76-18.53, pegmatite dyke PG-QZ-FP-MV. No | **2206** | 17.76 | 18.53 | 0.77 | 0.05 |
| | | | | visible spodumene. Pervasive fine grained, yello- | | | | | |
| | | | | wish muscovite. Upper contact at 40 to CA; lo- | | | | | |
| | | | | wer contact at 55 to CA. | | | | | |
| | | | | | | | | | |
| **19.24** | **59.05** | 39.81 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse grained, PG-FP-SP-QZ-PH pegma- | **2207** | 19.24 | 20.24 | 1.00 | 1.07 |
| | | | | tite. Upper contact at 60 to CA. | **2208** | 20.24 | 21.74 | 1.50 | 0.77 |
| | | | | 15% spodumene a spale green, fresh, mainly | **2209** | 21.74 | 23.24 | 1.50 | 1.50 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | small crystals 1-5cm, odd large up to 7cm crys- | **2210** | 23.24 | 24.74 | 1.50 | 2.20 |
| | | | | tals in the corser part of the dyke from 22.0 to | **2211** | STANDARD-LOW | | | 0.82 |
| | | | | 27.0m. | **2212** | 24.74 | 26.24 | 1.50 | 1.62 |
| | | | | 20.18-20.38, 20cm metasediment xenolith. | **2213** | 26.24 | 27.74 | 1.50 | 0.91 |
| | | | | Most spodumene crystals are oriented at 30 to | **2214** | 27.74 | 29.24 | 1.50 | 1.62 |
| | | | | CA. | **2215** | 29.24 | 30.74 | 1.50 | 1.55 |
| | | | | Occasional apatite grain up to 1cm across at | **2216** | 30.74 | 32.24 | 1.50 | 1.69 |
| | | | | 30.30m. | **2217** | 32.24 | 33.74 | 1.50 | 1.35 |
| | | | | Fairly uniform dyke. | **2218** | 33.74 | 35.24 | 1.50 | 1.46 |
| | | | | Fine grained, yellowish muscovite and plagioclase | **2219** | 35.24 | 36.74 | 1.50 | 1.29 |
| | | | | for about 70 cm at lower contact. | **2220** | 36.74 | 38.24 | 1.50 | 1.81 |
| | | | | Lower contact at 50 to CA. | **2221** | 38.24 | 39.74 | 1.50 | 1.53 |
| | | | | | **987** | DUPLICATE | | | 1.39 |
| | | | | | **2222** | 39.74 | 41.24 | 1.50 | 1.33 |
| | | | | | **2223** | 41.24 | 42.74 | 1.50 | 1.83 |
| | | | | | **2224** | 42.74 | 44.24 | 1.50 | 1.58 |
| | | | | | **2225** | 44.24 | 45.74 | 1.50 | 1.67 |
| | | | | | **2226** | 45.74 | 47.24 | 1.50 | 1.83 |
| | | | | | **2227** | 47.24 | 48.74 | 1.50 | 1.72 |
| | | | | | **2228** | 48.74 | 50.24 | 1.50 | 1.94 |
| | | | | | **2229** | 50.24 | 51.74 | 1.50 | 1.61 |
| | | | | | **2230** | STANDARD-LOW | | | 0.81 |
| | | | | | **2231** | 51.74 | 53.24 | 1.50 | 1.37 |
| | | | | | **2232** | 53.24 | 54.74 | 1.50 | 1.83 |
| | | | | | **2233** | 54.74 | 56.24 | 1.50 | 1.70 |
| | | | | | **2234** | 56.24 | 57.14 | 0.90 | 1.83 |
| | | | | | **2235** | 57.14 | 58.05 | 0.91 | 1.30 |
| | | | | | **2236** | 58.05 | 59.05 | 1.00 | 0.39 |
| | | | | | | | | | |
| **59.05** | **85.70** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained, FP-QZ-BO metasedi- | | | | | |
| | | | | ment, moderate foliation at 45 to CA. | | | | | |
| | | | | 78.1-78.8 quartz tourmaline veining subparallel | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **85.70** | **102.40** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained, same compositon | | | | | |
| | | | | as previous unit, well banded paragneiss; | | | | | |
| | | | | banding oriented at 55 to CA. | | | | | |
| | | | | | | | | | |
| **102.40** | **103.30** | 0.90 | **I1G** | **PEGMATITE** | | | | | |
| | | | | 102.4-103.3 0.9m pegmatite dyke, white, medi- | **2237** | 102.4 | 103.3 | 0.90 | 0.07 |
| | | | | um to coarse grained PG-QZ-FP; fine grained ye- | | | | | |
| | | | | llowish mica; no visible spodumene. Black feld- | | | | | |
| | | | | spar in the upper half, banded, milky white pla- | | | | | |
| | | | | gioclase and fine grained muscovite in the lower | | | | | |
| | | | | half. Upper contact at 55 to CA; lower contact | | | | | |
| | | | | at 40 to CA. | | | | | |
| | | | | | | | | | |
| **103.30** | **109.76** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Same as 85.70 to 102.40. | | | | | |
| | | | | | | | | | |
| **109.76** | **111.33** | 1.57 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse grained PG-FP-QZ-SP pegmatite | **2238** | 109.76 | 111.33 | 1.57 | 0.99 |
| | | | | dyke. Upper contact at 55 to CA | **2239** | BLANK | | | <100 ppm |
| | | | | 5-10% spodumene as whitish-green small | | | | | |
| | | | | 1-2cm crystals. | | | | | |
| | | | | 110.17-110.46 metasediment xenolith. | | | | | |
| | | | | | | | | | |
| **111.33** | **112.48** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Same as 85.70 to 102.40. | | | | | |
| | | | | 11.79-112.06 27cm pegmatite dyke. White, co | | | | | |
| | | | | arse grained, PG-FP-QZ-SP oriented at 50 to CA. | | | | | |
| | | | | | | | | | |
| **112.48** | **131.68** | 19.20 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, white with dark grey sections | **2240** | 112.48 | 113.48 | 1.00 | 1.38 |
| | | | | PG-FP-SP-QZ pegmatite. | **2241** | 113.48 | 114.98 | 1.50 | 1.57 |
| | | | | Upper contact at 60 to CA. Fine grained plagio- | **2242** | 114.98 | 116.48 | 1.50 | 2.05 |
| | | | | clase for 30cm at upper contact. | **2243** | 116.48 | 117.98 | 1.50 | 1.05 |
| | | | | 15% spodumene as pale green, generally small | **2244** | 117.98 | 119.48 | 1.50 | 1.32 |

LITHOLOGY

| From | To | Length | Rock | Description | Sample # | From | To | Length | $Li_2O$ |
|---|---|---|---|---|---|---|---|---|---|
| | | (m) | Code | | | | | (m) | (%) |
| | | | | <3cm crystals; odd large up to 7cm crystal. | **2245** | 119.48 | 120.98 | 1.50 | 0.89 |
| | | | | Dark grey to black coarse feldspar sections | **2246** | 120.98 | 122.48 | 1.50 | 1.87 |
| | | | | from upper contact down to 121.0m. | **2247** | 122.48 | 123.98 | 1.50 | 1.03 |
| | | | | *125.0-125.35; 35 cm lost core, seam. | **2248*** | 123.98 | 125.48 | 1.50 | 1.95 |
| | | | | Dark grey to black coarse feldspar near lower | **2249** | 125.48 | 126.98 | 1.50 | 1.83 |
| | | | | contact for about 50 cm. | **2250** | STANDARD-HIGH | | | 1.27 |
| | | | | Lower contact at 40 to CA. | **2251** | 126.98 | 128.48 | 1.50 | 1.00 |
| | | | | | **2252** | 128.48 | 129.58 | 1.10 | 2.67 |
| | | | | | **2253rp** | 129.58 | 130.68 | 1.10 | 2.03 |
| | | | | | **2254** | 130.68 | 131.68 | 1.00 | 0.30 |
| | | | | | | | | | |
| **131.68** | **146.90** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey FP-QZ-BO metasediment; | | | | | |
| | | | | weak foliation subparallel to CA. | | | | | |
| | | | | 140.50-146.0 well banded paragneissic section, | | | | | |
| | | | | banding oriented at 20 to CA. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | **146.90m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.56%/38.81m | 19.24 | 58.05 |
| 1.56%/18.20m | 112.48 | 130.68 |

LITHIUM ONE INC.

Property : James Bay Lithium

DDH # : **JBL09-77** Start : 15-Sep-09 Drilled by : Chibougamau

Azimuth : 145° LOCATION UTM End : 16-Sep-09 Diamond Drilling

Dip: -45° 357950 mE Logged by : A.Peshkepia

Elevation: 213m 5789616 mN **Verified by:** **AJMc** on Sept.13 th, 2009

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **2.00** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **2.00** | **10.44** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Grey, fine grained, massive FP-QZ-BO metasedi- | | | | | |
| | | | | ment; weak foliation at 45 to CA. | | | | | |
| | | | | | | | | | |
| **10.44** | **13.36** | 2.92 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, white, PG-QZ-FP-SP-MV pegma- | **2255** | 10.44 | 11.90 | 1.46 | 0.80 |
| | | | | tite. Upper contact at 60 to CA. | **2256** | 11.90 | 13.36 | 1.46 | 0.83 |
| | | | | Fine grained, yellowish muscovite from 10.55 to | | | | | |
| | | | | 11.30. | | | | | |
| | | | | 11.30-12.60 pale green spodumene as small 1-3 | | | | | |
| | | | | cm crystals; overall <10% spodumene. | | | | | |
| | | | | 12.6-13.36 fine grained yellowish mica alteration | | | | | |
| | | | | Dark grey to black feldspar patches from 10.50 | | | | | |
| | | | | to 11.50. | | | | | |
| | | | | Lower contact at 65 to CA. | | | | | |
| | | | | | | | | | |
| **13.36** | **56.85** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained, massive FP-QZ-BO, | | | | | |
| | | | | metasediment. Weak to moderate foliation at | | | | | |
| | | | | 65 to CA. | | | | | |
| | | | | 32.52-32.85 massive quartz vein with fine gra- | | | | | |
| | | | | ined dark borwn tourmaline. | | | | | |
| | | | | 36.35-36.66 quartz tourmaline veining oriented | | | | | |
| | | | | oriented at 65 to CA. From 45.00m onward | | | | | |
| | | | | rain size increases slightly and foliation changes | | | | | |
| | | | | to subparallel to CA. | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 52.0-55.40 pervasive sericite alteration, mode- | | | | | |
| | | | | rate foliation at 25 to CA. | | | | | |
| | | | | 56.65-56.85 quartz vein oriented at 40 to CA | | | | | |
| | | | | with fine grained tourmaline along the edges. | | | | | |
| | | | | | | | | | |
| **56.85** | **78.38** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Medium grey fine grained, massive FP-QZ-BO | | | | | |
| | | | | well banded paragneiss. Banding subparallel to | | | | | |
| | | | | parallel to CA. | | | | | |
| | | | | 73.2-75.40 pervasive dark green subhedral | | | | | |
| | | | | amphibole 1-3mm in size plus 1-3mm subrounded | | | | | |
| | | | | garnet porphyroblasts. | | | | | |
| | | | | 77.9-78.18 white, medium to coarse pegmatite | | | | | |
| | | | | dyke; PG-QZ-FP+/-SP oriented at 60 to CA. | | | | | |
| | | | | | | | | | |
| **78.38** | **86.30** | 7.92 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse grained, PG-FP-SP-QZ+/-MV | **2257** | 78.38 | 79.38 | 1.00 | 0.73 |
| | | | | pegmatite. Upper contact at 60 to CA. | **2258** | 79.38 | 80.88 | 1.50 | 1.87 |
| | | | | Black feldspar plus fine grained plagioclase for | **2259** | 80.88 | 82.38 | 1.50 | 1.67 |
| | | | | about 30cm near upper contact. | **2260** | 82.38 | 83.88 | 1.50 | 1.77 |
| | | | | 10-15% spodumene starting at 78.9m as pale | **2261** | 83.88 | 85.30 | 1.42 | 0.85 |
| | | | | green to white, 1-3cm crystals oriented at 90 to | **2262** | 85.30 | 86.30 | 1.00 | 0.06 |
| | | | | CA from 78.9 to 81.0m. | **988** | DUPLICATE | | | 0.08 |
| | | | | 81.0-84.9 coarser section with few spodumene | | | | | |
| | | | | crystals up to 10cm long at 40 to CA at 83.5m. | | | | | |
| | | | | 84.9- minor spodumene mainly quartz, dark | | | | | |
| | | | | grey feldspar and minor fine grained muscovite. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| **86.30** | **90.00** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Same as 56.85 to 78.38. | | | | | |
| | | | | | | | | | |
| | | | | **90.00m E.O.H.** | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.55%/5.92m | 79.38 | 85.30 |

LITHIUM ONE INC.
Property : James Ba Lithium
DDH # : **JBL09-78** Start : September 15, 2009
Azimuth : 110° LOCATION UTM End : September 15, 2009
Dip: -45° 358070 mE
Elevation: 218m 5789546 mN

Drilled by : Chibougamau Diamond Drilling
Logged by : M K
**Verified by: AJMc** on Sept. 15th, 2009

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **0.00** | **3.90** | | | **OVERBURDEN** | | | | | |
| **3.90** | **7.72** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium to dark grey, strong foliation, fine grained, homogeneous type. | | | | | |
| | | | | Foliation 25° to CA. 2 pegmatites 8 cm, & 10 cm thick. | | | | | |
| **7.72** | **9.00** | 1.28 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, less coarse. Upper contact 50° , & lower contact 70° to CA. | **2467** | 7.72 | 9.00 | 1.28 | 0.02 |
| | | | | PG , small QZ common. Common fine MV & in small flakes up to 1.5 cm. | | | | | |
| | | | | No fresh SO seen, but there are common rectangular yellowish green patches which may | | | | | |
| | | | | represent positions of earlier SO . | | | | | |
| **9.00** | **16.20** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium to dark grey, homogeneous type. Foliation 25° to CA. | | | | | |
| | | | | Near its lower contact with pegmatite below, the M1 has 5 mm randomly oriented white accicular | | | | | |
| | | | | crystals (MV or SM ?) | | | | | |
| **16.20** | **37.60** | 21.40 | **I1G** | **PEGMATITE (Very good section)** | | | | | |
| | | | | White, coarse, less coarse near contacts & elsewhere. Upper contact 30° , & lower contact 15° to CA. | **2468** | 16.20 | 17.20 | 1.00 | 1.03 |
| | | | | PG , QZ common large & small, minor but common dark grey FP . | **2469** | 17.20 | 18.70 | 1.50 | 1.00 |
| | | | | MV - PH common, more in upper parts, occur in clusters also, flakes & booklets up to 2.5 cm. | **2470** | 18.70 | 20.20 | 1.50 | 1.42 |
| | | | | SO ~ 15 - 20 %, pale green on core surface, fresh & pale green in broken surface. | **2471** | STANDARD LOW | | | 0.87 |
| | | | | Minor SO show greenish alterations. | **2472** | 20.20 | 21.70 | 1.50 | 1.35 |
| | | | | SO crystals very large, large, small. | **2473** | 21.70 | 23.20 | 1.50 | 1.78 |
| | | | | Very large & large crystals e.g. 15 x 7 cm, 10 x 5 cm, 8 x 4 cm, 8 x 3 cm, 5 x 3 cm. | **2474** | 23.20 | 24.70 | 1.50 | 1.53 |
| | | | | Smaller crystals 0.5 - 4 cm. Smaller crystals also occur in clusters, where they may be closely packed. | **2475** | 24.70 | 26.20 | 1.50 | 1.41 |
| | | | | SO crystals oriented subparallel, to 20° to CA. | **2476** | 26.20 | 27.70 | 1.50 | 1.63 |
| | | | | Rare scattered mm dark bluish AP . | **2477** | 27.70 | 29.20 | 1.50 | 1.56 |
| | | | | | **2478** | 29.20 | 30.70 | 1.50 | 1.24 |
| | | | | | **2479** | 30.70 | 32.20 | 1.50 | 2.04 |
| | | | | | **2480** | BLANK | | | <100 ppm |
| | | | | | **2481** | 32.20 | 33.70 | 1.50 | 1.94 |
| | | | | | **2482** | 33.70 | 35.20 | 1.50 | 1.72 |
| | | | | | **2483** | 35.20 | 36.60 | 1.40 | 0.77 |
| | | | | | **2484** | 36.60 | 37.60 | 1.00 | 0.09 |
| **37.60** | **67.78** | | **M1** | **METASEDIMENT** | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Fine grained, medium to dark grey, homogeneous type. Foliation subparallel , to low angle to CA. | | | | | |
| | | | | Rare mm felsic veins. A few 2 cm, & 5 cm felsic veins x-cut foliation. | | | | | |
| | | | | Thicker felsic vein / pegmatite at 62.06 - 62.25 m fine grained; 63.88 - 64.20 m less coarse, minor MV. | | | | | |
| | | | | Near felsic veins & pegmatite below, M1 contains minor MV , & in places 5 mm accicular randomly | | | | | |
| | | | | oriented crystals ( MV or SM ?). | | | | | |
| | | | | | | | | | |
| **67.78** | **81.60** | 13.82 | **I1G** | **PEGMATITE (Very good section)** | | | | | |
| | | | | White, coarse, finer grained near contacts for several cm. Upper & lower contacts high angle to CA. | **2485** | 67.78 | 68.78 | 1.00 | 0.95 |
| | | | | In lower part (78.80 - 79.50 m), there are finer grained zones several cm long, even away from | **2486** | 68.78 | 70.28 | 1.50 | 1.93 |
| | | | | the lower contact. The finer grained parts do not contain SO . | **2487** | 70.28 | 71.78 | 1.50 | 3.04 |
| | | | | PG , QZ large & small, very minor dark grey FP . | **2488** | 71.78 | 73.28 | 1.50 | 1.01 |
| | | | | SO ~ 15 - 20 %, very pale green on core surface, fresh & pale green in broken surface. | **2489** | 73.28 | 74.78 | 1.50 | 1.21 |
| | | | | SO crystals large to very large, & smaller crystals. | **2490** | 74.78 | 76.28 | 1.50 | 1.21 |
| | | | | Larger crystals are generally greyish - whitish on core surface. These occur between 68.50 - 72.00 m | **2491** | STANDARD HIGH | | | 1.26 |
| | | | | & this zone is richest in SO . | **2492** | 76.28 | 77.78 | 1.50 | 1.40 |
| | | | | Larger crystals e.g. 17 x 5 cm, 8 x 6 cm, 7 x 3.5 cm. | **2493** | 77.78 | 79.28 | 1.50 | 0.65 |
| | | | | Smaller crystals 0.5 - 4.0 cm, tend to occur in clusters. | **2494** | 79.28 | 80.60 | 1.32 | 1.10 |
| | | | | SO crystals oriented subparallel, to 30° to CA. | **2495** | 80.60 | 81.60 | 1.00 | 0.95 |
| | | | | Only minor SO crystals with dark green alteration. | | | | | |
| | | | | MV - PH very common, often in clusters, flakes & booklets up to 6 cm. | | | | | |
| | | | | Rare scattered bluish mm AP . | | | | | |
| | | | | | | | | | |
| **81.60** | **93.00** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | In this part rocks look closer to M2 - Metatexite with migmatitic banding, although some parts are | | | | | |
| | | | | rather homogeneous type. | | | | | |
| | | | | Banding is subparallel, to low angle to CA. | | | | | |
| | | | | A few cm felsic veins - 3.5 cm, 12 cm, 7 cm, 5 cm, 3 cm, 21 cm, x-cutting banding. | | | | | |
| | | | | | | | | | |
| | | | | **93.00 m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to | |
|---|---|---|---|
| 1.52%/19.00m | 16.20 | 35.20 | |
| 1.38%/13.82m | 67.78 | 81.60 | including |
| *2.48%/3.00m* | *70.28* | *73.28* | |

LITHIUM ONE INC.

Property : James Bay Lithium

DDH # : **JBL09-79** Start : September 16, 2009

Azimuth : 110° LOCATION UTM End : September 16, 2009

Dip: -45° 358047 mE

Elevation: 219m 5789495 mN

Drilled by : Chibougamau Diamond Drilling

Logged by : M K

**Verified by:** **AJMc** on Sept. 16th, 2009

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **5.70** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **5.70** | **22.00** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Dark to medium grey, fine grained, minor mobilizate in places in mm layers, strong foliation, | | | | | |
| | | | | crenulated in places. | | | | | |
| | | | | Foliation subparallel to CA. | | | | | |
| | | | | Black TL -rich rock in places. Thicker black TL -rich rock at 20.95 - 21.30 m, in between 2 felsic veins | | | | | |
| | | | | 7 cm & 15 cm thick. | | | | | |
| | | | | In places 5 mm accicular randomly oriented white crystals (MV or SM ?). | | | | | |
| | | | | White felsic fine grained & coarser pegmatite veins at - 9.10 - 9.85 m subparallel to CA; | | | | | |
| | | | | 11.85 - 12.85 m; 13.40 - 13.80 m; 20.40 - 20.60 m. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| **22.00** | **25.60** | 3.60 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White, coarse, finer grained near lower contact. Upper & lower contacts high angle to CA. | **2496** | 22.00 | 23.00 | 1.00 | 1.25 |
| | | | | PG , QZ , a few large & small dark grey FP , MV - PH minor. | **2497** | 23.00 | 24.60 | 1.60 | 2.09 |
| | | | | SO ~ 10 - 12 %, some large, & others smaller crystals. | **2498** | 24.60 | 25.60 | 1.00 | 1.29 |
| | | | | A very large SO crystal > 15 cm, near this crystal an AP crystal 1 cm dark bluish. | | | | | |
| | | | | Other SO crystals 5 - 7 cm, smaller crystals 0.5 - 4 cm. | | | | | |
| | | | | SO crystals pale to very pale green on core surface, & fresh, pale green in broken surface. | | | | | |
| | | | | A few mm scattered AP . | | | | | |
| | | | | | | | | | |
| **25.60** | **30.20** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Metatexite, migmatitic banding parallel, to subparallel to CA. | | | | | |
| | | | | Near upper & lower contacts, M2 develops MV , & white accicular 5 mm randomly oriented crystals | | | | | |
| | | | | ( MV or SM ?). | | | | | |
| | | | | Rare mm - cm felsic veins. | | | | | |
| | | | | | | | | | |
| **30.20** | **33.00** | 2.80 | **I1G** | **PEGMATITE (Good section)** | | | | | |
| | | | | White, coarse. Upper & lower contacts 40° to CA. | **2499** | 30.20 | 31.60 | 1.40 | 1.69 |
| | | | | PG , QZ common large & small, MV - PH minor. | **2500** | 31.60 | 33.00 | 1.40 | 0.89 |
| | | | | SO ~ 10 12 %, pale green on core surface; fresh & pale green in broken surface. | **568837** | DUPLICATE | | | 0.69 |
| | | | | Several crystals 3 - 5 cm, others smaller. | | | | | |
| | | | | SO crystals show tiny greenish spots of alteration, otherwise SO is quite fresh. | | | | | |
| | | | | SO crystals oriented low angle to CA. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **33.00** | **38.48** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Metatexite, migmatitic banding parallel, to subparallel to CA. | | | | | |
| | | | | M2 commonly develops MV , & some randomly oriented 5mm white crystals ( MV or SM ?), in the | | | | | |
| | | | | vicinity of felsic veins. | | | | | |
| | | | | Some felsic veins at - 33.78 - 34.05 m ; 34.55 - 34.75 m contains a 4 cm & others 3 cm SO crystals | | | | | |
| | | | | in its upper part ; 36.85 - 37.22 m fine grained, no visible SO ; 37.35 - 37.65 m less coarse, no | | | | | |
| | | | | visible SO ; 38.20 - 38.30 m fine grained, no visible SO . | | | | | |
| | | | | | | | | | |
| **38.48** | **59.68** | 21.20 | **I1G** | **PEGMATITE (Very good section)** | | | | | |
| | | | | White, coarse. Upper contact high angle, & lower contact 70° to CA. | **2501** | 38.48 | 39.48 | 1.00 | 1.15 |
| | | | | PG , QZ very common large & small, large & small dark grey FP . | **2502** | STANDARD HIGH | | | 1.32 |
| | | | | SO ~ 15 - 17 %, pale green on core surface, fresh & pale green in broken surface. | **2503** | 39.48 | 40.98 | 1.50 | 1.69 |
| | | | | Smaller crystals 0.5 - 4 cm ; larger crystals up to 10 cm. | **2504** | 40.98 | 42.48 | 1.50 | 1.70 |
| | | | | In places SO crystals are well packed, & in some zones there are less crystals. | **2505** | 42.48 | 43.98 | 1.50 | 1.45 |
| | | | | Between 51.00 - 54.00 m several yellow green patches, & SO crystals show very minor | **2506** | 43.98 | 45.48 | 1.50 | 0.76 |
| | | | | greenish alterations. | **2507** | 45.48 | 46.98 | 1.50 | 1.81 |
| | | | | MV - PH common, in places large MV - PH in clusters, flakes & booklets 3 - 4 cm. | **2508** | 46.98 | 48.48 | 1.50 | 1.90 |
| | | | | SO crystals oriented subparallel, to low angle 20° to CA. | **2509** | 48.48 | 49.98 | 1.50 | 1.70 |
| | | | | In lower part - 54.00 - 58.25 SO large fresh crystals are common, very pale green on core surface, | **2510** | 49.98 | 51.48 | 1.50 | 1.59 |
| | | | | pale green & fresh in broken surface, & in this section SO ~ 20 %. | **2511** | 51.48 | 52.98 | 1.50 | 0.41 |
| | | | | Very minor Cleavelandite, rare AP . | **2512** | BLANK | | | <100 ppm |
| | | | | Sample-2506 contains two 7 cm M2 enclaves. | **2513** | 52.98 | 54.48 | 1.50 | 1.00 |
| | | | | | **2514** | 54.48 | 55.98 | 1.50 | 2.14 |
| | | | | | **2515** | 55.98 | 57.48 | 1.50 | 3.70 |
| | | | | | **2516** | 57.48 | 58.68 | 1.20 | 2.73 |
| | | | | | **2517** | 58.68 | 59.68 | 1.00 | 0.22 |
| | | | | | | | | | |
| **59.68** | **66.75** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Metatexite, medium to dark grey, migmatitic banding parallel, & subparallel to CA. | | | | | |
| | | | | Rare cm felsic veins x-cutting banding. | | | | | |
| | | | | | | | | | |
| **66.75** | **80.45** | 13.70 | **I1G** | **PEGMATITE (Excellent section - common very fresh, large SO crystals)** | | | | | |
| | | | | White, coarse, finer grained near contacts for a few cm. Upper & lower contacts 45° to CA. | **2518** | 66.75 | 67.75 | 1.00 | 2.26 |
| | | | | PG , QZ large & small common, minor large & small dark grey FP . | **2519** | 67.75 | 69.25 | 1.50 | 1.15 |
| | | | | MV - PH common, occur in clusters, with flakes & booklets 2 - 4 cm. | **2520** | 69.25 | 70.75 | 1.50 | 0.88 |
| | | | | This section is characterized by very fresh, large SO crystals, very pale green on core surface, | **2521** | 70.75 | 72.25 | 1.50 | 0.67 |
| | | | | pale green in broken surface. | **2522** | STANDARD LOW | | | 0.83 |
| | | | | Larger crystals e.g. 15 x 5 cm, 15 x 3.5 cm, 17 x 4 cm, 7 x 2.5 cm. | **2523** | 72.25 | 73.75 | 1.50 | 2.10 |
| | | | | In places SO crystals closely packed. | **2524** | 73.75 | 75.25 | 1.50 | 1.69 |
| | | | | SO crystals oriented parallel, & subparallel to CA. | **2525** | 75.25 | 76.75 | 1.50 | 2.10 |
| | | | | A few rare smaller SO crystals have become dark greenish. | **2526** | 76.75 | 78.25 | 1.50 | 1.49 |
| | | | | Closer to lower contact SO crystals are scarce. | **2527** | 78.25 | 79.45 | 1.20 | 1.07 |
| | | | | Several mm dark bluish AP crystals. Very minor Cleavelandite. | **2528** | 79.45 | 80.45 | 1.00 | <100 ppm |
| | | | | | **2528rp** | | | | <100 ppm |
| **80.45** | **84.00** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Metatexite, migmatitic banding subparallel, to low angle to cA. Crenulation of banding in places. | | | | | |
| | | | | MV , TL in M2 close to lower contact. | | | | | |
| | | | | A 1.5 cm felsic vein which cuts banding at a low angle, shows minor undulation folding. | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| | | | | **84.00 m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to | |
|---|---|---|---|
| 1.64%/3.60m | 22.00 | 25.60 | |
| 1.24%/2.80m | 30.20 | 33.00 | |
| 1.69%/20.20m | 38.48 | 58.68 | including |
| ***2.87%/4.20m*** | *54.48* | *58.68* | |
| 1.47%/12.70m | 66.75 | 79.45 | |

LITHIUM ONE INC.
Property : James Bay Lithium
DDH # : **JBL09-80** Start : September 13,, 2009
Azimuth : 110° LOCATION UTM End : September 14, 2009
Dip: -45° 358019 mE
Elevation: 216m 5789452 mN

Drilled by : Chibougamau Diamond Drilling
Logged by : M K
**Verified by:** **AJMc** on Sept. 17th, 2009

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **3.42** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **3.42** | **14.89** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Dark grey, fine grained, homogeneous type. Foliation subparallel to CA. | | | | | |
| | | | | QZ , PG , BO , MV , possibly minor AD up to 2 cm. | | | | | |
| | | | | Development of MV in lower part closer to pegmatite below. | | | | | |
| | | | | Also at 14.15 - 14.45 m development of white accicular 5 mm randomly oriented crystals (MV or SM ?). | | | | | |
| | | | | Very minor mm felsic veins. | | | | | |
| | | | | | | | | | |
| **14.89** | **17.18** | 2.29 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse, finer grained near contacts, & with common small MV. | **2529** | 14.89 | 16.04 | 1.15 | 0.02 |
| | | | | PG , QZ small common, MV - PH common up to 2 cm. | **2530** | 16.04 | 17.18 | 1.14 | 0.68 |
| | | | | No fresh SO seen. Common yellowish green patches suggesting earlier presence of small SO crystals. | | | | | |
| | | | | Very common MV for several cm near both contacts. Both contacts high angle to CA. | | | | | |
| | | | | | | | | | |
| **17.18** | **42.00** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, dark grey, homogeneous type. Foliation parallel, & subparallel to CA. | | | | | |
| | | | | QZ , PG , BO , MV , possibly minor AD , up to 2 cm, in several places. | | | | | |
| | | | | Development of white accicular 5 mm randomly oriented crystals ( MV or SM ?), over 30 cm, | | | | | |
| | | | | in lower part in contact with pegmatite below. | | | | | |
| | | | | Several mm - cm felsic veins x-cutting foliation. | | | | | |
| | | | | Also common infiltration of felsic material subparallel to foliation (i.e. also subparallel to CA) | | | | | |
| | | | | | | | | | |
| **42.00** | **55.00** | 13.00 | **I1G** | **PEGMATITE (Very good to Excellent section)** | | | | | |
| | | | | White, coarse, finer grained near contacts, & very rich in fine grained MV (looks like Mica Schist). | **2531** | 42.00 | 43.00 | 1.00 | 0.06 |
| | | | | Upper contact not seen. Lower contact (at 90 m) 55° to CA. | **2532** | 43.00 | 44.50 | 1.50 | 0.12 |
| | | | | PG , QZ grey common very large - large, in places several dark grey FP . | **568838** | DUPLICATE | | | 0.23 |
| | | | | MV - PH very common, several clusters with small & large MV - PH , flakes & booklets up to 3 - 4 cm. | **2533** | 44.50 | 46.00 | 1.50 | 1.65 |
| | | | | In one place MV - PH clusters for 20 cm. | **2534** | 46.00 | 47.50 | 1.50 | 1.04 |
| | | | | SO ~ 12 - 15 %, in places in lower parts SO ~ 20 - 25 %. | **2535** | 47.50 | 49.00 | 1.50 | 1.09 |
| | | | | Average SO ~ 12 - 15 %, because parts are rich in MV - PH , parts with dark grey FP , & parts | **2536** | 49.00 | 50.50 | 1.50 | 1.18 |
| | | | | with large and small yellowish green patches. | **2537** | 50.50 | 52.00 | 1.50 | 1.35 |
| | | | | Large & smaller SO crystals very pale green to whitish on core surface; very fresh & pale green in | **2538** | 52.00 | 53.50 | 1.50 | 3.27 |
| | | | | broken surface. | **2539** | 53.50 | 55.00 | 1.50 | 2.71 |
| | | | | Large crystals e.g. 14 x 4 cm, 10 x 4 cm, 6 x 3.5 cm, inplaces closely packed. | | | | | |
| | | | | Some large SO crystals show very minor greenish alterations near their marginal parts. | | | | | |
| | | | | Smaller SO crystals 0.5 - 5 cm. | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Large & small SO crystals show consistent orientation parallel, to subparallel to CA. | | | | | |
| | | | | The large & small yellowish green patches depict the habits of large & small SO crystals, | | | | | |
| | | | | thus suggesting that these patches likely represent advanced stage of alteration of some SO crystals. | | | | | |
| | | | | Rare SO crystals with ST -like dark green colour. | | | | | |
| | | | | Scattered dark bluish AP , in places clusters of a few crystals. A large AP 2 cm. | | | | | |
| | | | | Very minor Cleavelandite. | | | | | |
| | | | | In a few places, rare Specularite HS on cleavage planes of some large SO crystals. | | | | | |
| | | | | At 88 - 90 m some greenish alteration of SO crystals, & also presence of yellowish green patches. | | | | | |
| | | | | | | | | | |
| **55.00** | **56.40** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, dark grey, homogeneous type. Foliation subparallel to CA. | | | | | |
| | | | | A few felsic veins x-cut foliation. | | | | | |
| | | | | M1 near pegmatite above & below are richer in MV , & minor white accicular 5mm crystals (MV or SM). | | | | | |
| | | | | | | | | | |
| **56.40** | **90.00** | 33.60 | **I1G** | **PEGMATITE (Excellent section)** | | | | | |
| | | | | This large portion of the pegmatite is the continuation of pegmatites at 42.00 - 55.00 m described | **2540** | 56.40 | 57.90 | 1.50 | 1.64 |
| | | | | above, & separated only by M1 at 55.00 - 56.40 m. | **2541** | 57.90 | 59.40 | 1.50 | 1.76 |
| | | | | Therefore, the same description, given above, applies here also. | **2542** | STANDARD HIGH | | | 1.33 |
| | | | | In major part the SO crystals are large to very large, very fresh, consistently oriented parallel to CA. | **2543** | 59.40 | 60.90 | 1.50 | 1.54 |
| | | | | Some clusters of MV - PH also present. | **2544** | 60.90 | 62.40 | 1.50 | 1.56 |
| | | | | | **2545** | 62.40 | 63.90 | 1.50 | 1.27 |
| | | | | | **2546** | 63.90 | 65.40 | 1.50 | 1.84 |
| | | | | | **2547** | 65.40 | 66.90 | 1.50 | 2.11 |
| | | | | | **2548** | 66.90 | 68.40 | 1.50 | 2.56 |
| | | | | | **2549** | 68.40 | 69.90 | 1.50 | 1.80 |
| | | | | | **2550** | 69.90 | 71.40 | 1.50 | 3.25 |
| | | | | | **2551** | BLANK | | | <100 ppm |
| | | | | | **2552** | 71.40 | 72.90 | 1.50 | 3.40 |
| | | | | | **2553** | 72.90 | 74.40 | 1.50 | 2.60 |
| | | | | | **2554** | 74.40 | 75.90 | 1.50 | 1.51 |
| | | | | | **2555** | 75.90 | 77.40 | 1.50 | 1.52 |
| | | | | | **2556** | 77.40 | 78.90 | 1.50 | 1.90 |
| | | | | | **2557** | 78.90 | 80.40 | 1.50 | 1.81 |
| | | | | | **2558** | 80.40 | 81.90 | 1.50 | 2.17 |
| | | | | | **2559** | 81.90 | 83.40 | 1.50 | 0.93 |
| | | | | | **2560** | 83.40 | 84.90 | 1.50 | 1.41 |
| | | | | | **2561** | STANDARD LOW | | | 0.89 |
| | | | | | **2562** | 84.90 | 86.40 | 1.50 | 2.09 |
| | | | | | **2563** | 86.40 | 87.90 | 1.50 | 1.33 |
| | | | | | **2564** | 87.90 | 89.00 | 1.10 | 1.82 |
| | | | | | **2565** | 89.00 | 90.00 | 1.00 | 1.68 |
| | | | | | | | | | |
| **90.00** | **96.00** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, dark grey, homogeneous type. Foliation low angle to CA. | | | | | |
| | | | | Near upper contact with pegmatite, both M1 & pegmatite contain lot of fine grained MV . | | | | | |
| | | | | A pegmatite at 91.58 - 91.80 m, no visible SO , fine grained at contacts, & with MV. | | | | | |
| | | | | | | | | | |
| | | | | **96.00 m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.80%/45.50m | 44.50 | 90.00 |
| *2.99%/3.00m* | *52.00* | *55.00* |
| *2.62%/9.00m* | *65.40* | *74.40* |

LITHIUM ONE INC.
Property : James Bay Lithium
DDH # : **JBL09-81** Start : September 14, 2009
Azimuth : 110° LOCATION UTM End : September 15, 2009
Dip: -45° 357923 mE
Elevation: 216m 5789424 mN

Drilled by : Chibougamau Diamond Drilling
Logged by : M K
**Verified by: AJMc** on Sept. 17th, 2009

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **12.60** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **12.60** | **43.85** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium to dark grey, homogeneous type. Foliation parallel, & subparallel to CA. | | | | | |
| | | | | In places crenulation of foliation. | | | | | |
| | | | | Minor mm - cm white felsic veins x-cutting foliation, or subparallel to foliation. | | | | | |
| | | | | Minor development of accicular 5mm white randomly oriented crystals ( MV or SM ?). | | | | | |
| | | | | | | | | | |
| **43.85** | **48.90** | 5.05 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, less coarse, finer grained near contacts. Upper & lower contacts 50° to CA. | **2566** | 43.85 | 44.85 | 1.00 | 0.02 |
| | | | | Very rich in MV , in several parts the rock is strongly schistose, & has become a MV - Schist with | **2567** | 44.85 | 46.35 | 1.50 | 0.02 |
| | | | | a strong schistosity, which causes the rock to become friable. | **2568** | 46.35 | 47.90 | 1.55 | 0.04 |
| | | | | Near upper contact such MV - Schist contains a few GR < 5 mm. | **2569** | 47.90 | 48.90 | 1.00 | 0.01 |
| | | | | (N.B. - This part with GR was saved for reference, & not included in the sample for analysis, which | | | | | |
| | | | | starts just below this.) | | | | | |
| | | | | (NOTE - Such pegmatites were possibly emplaced earlier than the usual undeformed pegmatites in the | | | | | |
| | | | | area which contain SO . As a result this pegmatite with GR was subjected to deformation, | | | | | |
| | | | | metamorphism, & became schistose.) | | | | | |
| | | | | | | | | | |
| **48.90** | **57.00** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium to dark grey, homogeneous type. Foliation parallel, & subparallel to CA. | | | | | |
| | | | | Minor infiltration of white felsic material parallel to foliation. | | | | | |
| | | | | | | | | | |
| **57.00** | **58.35** | 1.35 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Similar to that of 43.85 - 48.90 m. White, less coarse, finer grained near contacts. | **2570** | 57.00 | 58.35 | 1.35 | 0.03 |
| | | | | Upper & lower contacts subparallel to CA, i.e. subparallel to foliation in M1 . | | | | | |
| | | | | Rock has become MV - Schist in large part. | | | | | |
| | | | | | | | | | |
| **58.35** | **113.10** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium to dark grey, homogeneous type. QZ , PG , BO , MV , GR , AD . | | | | | |
| | | | | Strong foliation parallel, & subparallel to CA. | | | | | |
| | | | | 2 - 3 % mm GR in certain parts. | | | | | |
| | | | | 3 - 5 % AD , up to 2 cm, seen in several parts. | | | | | |
| | | | | Very minor infiltration of white felsic material subparallel to foliation. | | | | | |
| | | | | At lower end of M1 , near its contact with pegmatite, M1 develops white accicular randomly oriented | | | | | |
| | | | | crystals ( MV or SM ?) for about 15 cm. | | | | | |
| | | | | | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **113.10** | **119.40** | 6.30 | **I1G** | **PEGMATITE ( SO all altered, but keep earlier crystal shapes)** | | | | | |
| | | | | White, coarse, finer grained near contacts, & rich in MV . | **2571** | 113.10 | 114.10 | 1.00 | 0.03 |
| | | | | Upper contact high angle, & lower contact low angle to CA. | **568839** | DUPLICATE | | | 0.03 |
| | | | | PG , QZ small very common, common dark grey FP , minor MV - PH . | **2572** | 114.10 | 115.60 | 1.50 | 0.03 |
| | | | | Excellent example of nearly complete alteration of SO into yellowish green patches, which still | **2573** | 115.60 | 117.10 | 1.50 | 0.03 |
| | | | | preserve the habits of earlier SO crystals by their rectangular shapes. | **2574** | 117.10 | 118.40 | 1.30 | 0.02 |
| | | | | Originally there must have been ~ 10 - 15 % SO , but now only its alteration products remain. | **2575** | 118.40 | 119.40 | 1.00 | 0.04 |
| | | | | At margins of these yellowish green patches, & nearby, very minor small ST -like dark green pieces | | | | | |
| | | | | are present. | | | | | |
| | | | | Check the Chemical analysis to see what is the effect of SO alteration on Li values. | | | | | |
| | | | | | | | | | |
| **119.40** | **120.95** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, medium grey, homogeneous type. | | | | | |
| | | | | In its upper & lower parts M1 develops lot of MV due to the proximity to pegmatites at both ends. | | | | | |
| | | | | Foliation subparallel to CA. | | | | | |
| | | | | | | | | | |
| **120.95** | **139.64** | 18.69 | **I1G** | **PEGMATITE (Very good section)** | | | | | |
| | | | | White, coarse, finer grained near contacts. Upper & lower contacts high angle to CA. | **2576** | 120.95 | 121.95 | 1.00 | 0.03 |
| | | | | PG , QZ very common large & small, some large & small dark grey FP . | **2577** | 121.95 | 123.45 | 1.50 | 0.83 |
| | | | | MV - PH very common, form several clusters, flakes & booklets up to 2 - 4 cm. | **2578** | 123.45 | 124.95 | 1.50 | 0.54 |
| | | | | SO ~ 15 - 17 % (overall - because some portions in upper & lower part of pegmatite are with | **2579** | 124.95 | 126.45 | 1.50 | 1.39 |
| | | | | altered SO ). | **2580** | 126.45 | 127.95 | 1.50 | 1.17 |
| | | | | SO - large & small crystals, larger crystals e.g. 14 x 4 cm, 9 x 2 cm., smaller crystals 0.5 - 4 cm. | **2581** | STANDARD LOW | | | 0.81 |
| | | | | Unaltered SO is very pale green to whitish on core surface; pale green & fresh in broken surface. | **2582** | 127.95 | 129.45 | 1.50 | 1.61 |
| | | | | Different portions of pegmatite contain different kinds of SO = | **2583** | 129.45 | 130.95 | 1.50 | 2.12 |
| | | | | (1) In upper part, 120.95 - 123.00 m, SO are very altered, & represented by yellowish green patches. | **2584** | 130.95 | 132.45 | 1.50 | 1.66 |
| | | | | (2) Further below, 123.00 - 128.00 m, there is a combination of smaller crystals of fresh SO , & | **2585** | 132.45 | 133.95 | 1.50 | 1.50 |
| | | | | greenish altering SO . | **2586** | 133.95 | 135.45 | 1.50 | 1.79 |
| | | | | (3) Between 128.00 - 132.00 m, the small crystals of fresh SO are rather closely packed, and | **2587** | 135.45 | 136.95 | 1.50 | 1.76 |
| | | | | well oriented 40° - 50° CA. | **2588** | 136.95 | 138.64 | 1.69 | 1.38 |
| | | | | (4) Between 132.00 - 136.00 m, larger SO crystals, 5 - 14 cm, dominate, oriented subparallel to CA. | **2589** | 138.64 | 139.64 | 1.00 | 0.13 |
| | | | | (5) Then between 136.00 - 138.75 m, there is another zone with well packed smaller SO crystals, | | | | | |
| | | | | well oriented 45° to CA. | | | | | |
| | | | | The 2 zones with well packed smaller SO crystals may contain > 15 % SO . | | | | | |
| | | | | (6) Between 138.75 - 139.64 m, there is a mix of fresh SO , altered SO , & yellowish green patches. | | | | | |
| | | | | Rare scattered bluish AP up to 5 mm. Minor Cleavelandite in places. | | | | | |
| | | | | | | | | | |
| **139.64** | **150.20** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Metatexite, good migmatitic banding, although there is rather less mobilizate. | | | | | |
| | | | | Banding is parallel, & subparallel to CA. | | | | | |
| | | | | Minor mm white felsic veins x-cutting banding, some show ptygmatic folds. | | | | | |
| | | | | A few cm felsic veins 4 - 12 cm thick. Also some felsic material subparallel to banding. | | | | | |
| | | | | | | | | | |
| | | | | **150.20 m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.59%/13.69m | 124.95 | 138.64 |

LITHIUM ONE INC.

Property : James Bay Lithium

DDH # : **JBL09-82** Start : 16Sep-09 Drilled by : Chibougamau

Azimuth : 110° LOCATION UTM End : 17Sep-09 Diamond Drilling

Dip: -45° 357990 mE Logged by : A.Peshkepia

Elevation: 220m 5789567 mN **Verified by:** **AJMc** on Sept. 17th, 2009

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **6.70** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **6.70** | **8.20** | 1.50 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse grained, PG-QZ-SP-FP+/-MV peg- | **2263** | 6.70 | 8.20 | 1.50 | 1.13 |
| | | | | matite dyke. Upper contact broken core | | | | | |
| | | | | 10% spodumene as pale green 3-5cm crystals. | | | | | |
| | | | | 10cm metasediment xenolith at 7.9m. | | | | | |
| | | | | Lower contact at 60 to CA. | | | | | |
| | | | | | | | | | |
| **8.20** | **10.08** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Grey, fine grained, well banded FP-QZ-BO para- | | | | | |
| | | | | gneiss. Banding oriented at 40 to CA. | | | | | |
| | | | | | | | | | |
| **10.08** | **11.50** | 1.42 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, white with grey sections, PG- | **2264** | 10.08 | 11.50 | 1.42 | 0.26 |
| | | | | FP-QZ-SP pegmatite. | | | | | |
| | | | | Upper contact at 55 to CA. | | | | | |
| | | | | 2-3% spodumene as few 3-4cm long crystals | | | | | |
| | | | | nera the upper contact. Dark grey feldspar in | | | | | |
| | | | | the lower half of the dyke. | | | | | |
| | | | | | | | | | |
| **11.50** | **14.70** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Same as 8.2 to 10.08m. | | | | | |
| | | | | 12.5-12.65 15cm pegmatite dyke at 60 to CA. | | | | | |
| | | | | 12.78-13.05 ~5cm pegmatite dyke of irregular | | | | | |
| | | | | shape subparallel to CA. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **14.70** | **15.70** | 1.00 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, medium to coarse grained PG-QZ-FP-MV | **2265** | 14.70 | 15.70 | 1.00 | 0.05 |
| | | | | pegmatite with no visible spodumene. | | | | | |
| | | | | Upper contact at 65 to CA; lower contact at 70 | | | | | |
| | | | | to CA. Fine grained, milky white plagioclase plus | | | | | |
| | | | | quartz in the first half of the dyke. Feldspar, | | | | | |
| | | | | muscovite and plagioclase in the lower half of | | | | | |
| | | | | pegmatite. | | | | | |
| | | | | | | | | | |
| **15.70** | **40.34** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey to brownish-grey, FP-QZ-BO | | | | | |
| | | | | paragneiss. Well banded and deformed with | | | | | |
| | | | | banding orientation changing over short distan- | | | | | |
| | | | | ces from 80 to CA at 17.0m to 25 to CA at 22.0 | | | | | |
| | | | | to parallel to CA at 24.0m to 35 to CA at 30.0m, | | | | | |
| | | | | to 60 to CA at 40.0m. | | | | | |
| | | | | 34.13-35.06 yellowish-white, coarse pegmatite | **2266** | 34.13 | 35.06 | 0.93 | 0.03 |
| | | | | dyke, PG-FP-QZ-MV; no visible spodumene. | | | | | |
| | | | | Upper contact at 35 to CA; lower contact at 40 | | | | | |
| | | | | to CA. Pervasive yellowish, fine grained mica | | | | | |
| | | | | alteration. Fine grained, milky white PG and dark | | | | | |
| | | | | grey to black feldspar patches. | | | | | |
| | | | | | | | | | |
| **40.34** | **43.95** | 3.61 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse grained, PG-FP-QZ-MV+/-SP peg- | **2267** | 40.34 | 41.34 | 1.00 | 0.22 |
| | | | | matite dyke. Upper contact at 65 to CA. | **2268** | 41.34 | 42.95 | 1.61 | 0.38 |
| | | | | Fine grained muscovite plus quartz for about 25 | **2269** | 42.95 | 43.95 | 1.00 | 0.13 |
| | | | | cm at upper contact. | | | | | |
| | | | | 3-5% spodumene as small (1-2cm) pale green | | | | | |
| | | | | to white crystals from 41.0 to 41.50 and from | | | | | |
| | | | | 42.3 to 43.0m. | | | | | |
| | | | | Lower contact at 50 to CA. | | | | | |
| | | | | | | | | | |
| **43.95** | **45.00** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Same as 15.70 to 40 34m. | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **45.00** | **50.60** | 5.60 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, white, PG-FP-QZ-SP pegmatite. | **2270** | 45.00 | 46.00 | 1.00 | 1.33 |
| | | | | Upper contact at 50 to CA. | **2271** | STANDARD-LOW | | | 0.73 |
| | | | | 10-15% spodumene as pale green to white, | **2272** | 46.00 | 47.50 | 1.50 | 1.82 |
| | | | | generally small <3cm crystals; few larger 3-5cm | **2273** | 47.50 | 48.60 | 1.10 | 0.62 |
| | | | | crystals. | **2274** | 48.60 | 49.60 | 1.00 | 0.96 |
| | | | | Black feldspar patches in the lower half of the | **2275** | 49.60 | 50.60 | 1.00 | 0.96 |
| | | | | dyke from 47.5 to 50.0m | | | | | |
| | | | | 50.3-50.6 fine grained sugary textured plagiocla- | | | | | |
| | | | | se mixed with fine grained muscovite. | | | | | |
| | | | | Lower contact at 65 to CA. | | | | | |
| | | | | | | | | | |
| **50.60** | **74.45** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Same as 15.70 to 40 34m. | | | | | |
| | | | | | | | | | |
| **74.45** | **81.20** | 6.75 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse grained, PG-FP-QZ-SP-MV pegma- | **2276** | 74.45 | 75.45 | 1.00 | 0.04 |
| | | | | tite. Upper contact at 75 to CA. | **2277** | 75.45 | 76.95 | 1.50 | 1.63 |
| | | | | Fine grained sugary textured plagioclase plus | **2278** | 76.95 | 78.05 | 1.10 | 1.66 |
| | | | | fine graine3d muscovite and patchy yellowish | **2279** | 78.05 | 79.10 | 1.05 | 1.09 |
| | | | | alteration from upper contact to 75.45 m. | **2280** | 79.10 | 80.20 | 1.10 | 0.64 |
| | | | | 75.45-80.0 10% spodumene as greenish-white | **2281** | 80.20 | 81.20 | 1.00 | 0.06 |
| | | | | 1-3cm crystals, randomly oriented. | | | | | |
| | | | | 80.0-81.2 fine grained, milky white plagioclase | | | | | |
| | | | | plus fine grained yellowish alteration; no visible | | | | | |
| | | | | spodumene. | | | | | |
| | | | | 80.95-81.10 metasediment xenolith. | | | | | |
| | | | | Lower contact at 75 to CA. | | | | | |
| | | | | | | | | | |
| **81.20** | **91.84** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained, FP-QZ-BO metasedi- | | | | | |
| | | | | ment; moderate to good foliation oriented at | | | | | |
| | | | | 45 to CA. | | | | | |
| | | | | | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **91.84** | **118.15** | 26.31 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, white PG-FP-SP-QZ-MV pegma- | **2282** | 91.84 | 92.84 | 1.00 | 0.87 |
| | | | | tite dyke. | **2283** | BLANK | | | <100 ppm |
| | | | | Upper contact at 60 to CA. | **2284** | 92.84 | 94.34 | 1.50 | 1.92 |
| | | | | Fine grained muscovite plus plagioclase for 10cm | **2285** | 94.34 | 95.84 | 1.50 | 1.57 |
| | | | | at upper contact. | **2286** | 95.84 | 97.34 | 1.50 | 1.45 |
| | | | | 10-15% spodumene as pale green, mainly small, | **2287** | 97.34 | 98.84 | 1.50 | 1.60 |
| | | | | 1-2cm crystals; few large >10cm long crystals | **2288** | 98.84 | 100.34 | 1.50 | 2.20 |
| | | | | at 99.55-99.75, at 105.0 and from 107.4 to | **2289** | 100.34 | 101.84 | 1.50 | 1.31 |
| | | | | 108.7. | **2290** | 101.84 | 103.34 | 1.50 | 2.22 |
| | | | | 106.9-114.6 large sections of dark grey to black | **2291** | 103.34 | 104.84 | 1.50 | 1.62 |
| | | | | feldspar. | **2292** | 104.84 | 106.34 | 1.50 | 2.15 |
| | | | | 117.45-117.68 metasediment xenolith | **2293** | 106.34 | 107.84 | 1.50 | 1.11 |
| | | | | Lower contact at 45 to CA. | **2294** | STANDARD-HIGH | | | 1.39 |
| | | | | | **2295** | 107.84 | 109.34 | 1.50 | 1.35 |
| | | | | | **2296** | 109.34 | 110.84 | 1.50 | 1.36 |
| | | | | | **2297** | 110.84 | 112.34 | 1.50 | 1.80 |
| | | | | | **2298** | 112.34 | 113.84 | 1.50 | 1.44 |
| | | | | | **2299** | 113.84 | 115.04 | 1.20 | 0.63 |
| | | | | | **2300** | 115.05 | 116.15 | 1.10 | 1.14 |
| | | | | | **2301** | 116.15 | 117.15 | 1.00 | 0.93 |
| | | | | | **2302** | 117.15 | 118.15 | 1.00 | 0.15 |
| | | | | | | | | | |
| **118.15** | **141.54** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Grey,fiine grained, FP-QZ-BO metasediment; | | | | | |
| | | | | moderate foliation at 25 to CA. | | | | | |
| | | | | 137.96-138.66 white, fine to medium grained, | **2303** | 137.96 | 138.66 | 0.70 | 0.03 |
| | | | | pegmatite dyke, PG-MV-FP-QZ, no visible spodu- | | | | | |
| | | | | mene. Fine grained sugary textured plagioclase | | | | | |
| | | | | plus fine grained muscovite in th lower 2/3 of | | | | | |
| | | | | the dyke. Upper contact at 80 to CA; lower con- | | | | | |
| | | | | tact at 45 to CA. | | | | | |
| | | | | | | | | | |
| **141.54** | **157.80** | 16.26 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse to very coarse grained PG-FP-SP- | **2304** | 141.54 | 142.54 | 1.00 | 0.40 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | QZ+/-PH pegmatite dyke. | **2305** | 142.54 | 144.04 | 1.50 | 1.95 |
| | | | | Upper contact at 40 to CA. 2-3 apatite grains | **989** | DUPLICATE | | | 1.36 |
| | | | | at upper contact. Massive grey feldspar from | **2306** | 144.04 | 145.54 | 1.50 | 0.94 |
| | | | | upper contact down to 142.2m. | **2307*** | 145.54 | 147.04 | 1.50 | 1.71 |
| | | | | 142.2-149.0 very coarse section with large >5 | **2308** | 147.04 | 148.54 | 1.50 | 1.15 |
| | | | | cm pale green, stubby fresh spodumene crystals | **2309** | 148.54 | 150.04 | 1.50 | 1.90 |
| | | | | from 142.2 to 143.5 and from 147.0 to 149.5m. | **2310** | 150.04 | 151.54 | 1.50 | 1.13 |
| | | | | 145.6-146.50 90 cm lost core possible fault? | **2311** | 151.54 | 153.04 | 1.50 | 1.53 |
| | | | | angular bits of broken core <3cm in size. | **2312** | 153.04 | 154.54 | 1.50 | 1.92 |
| | | | | 150.0-157.5 relatively smaller size spodumene | **2313** | STANDARD-LOW | | | 0.81 |
| | | | | crystals 1-3cm in size, 15% spodumene in | **2314** | 154.54 | 155.74 | 1.20 | 1.65 |
| | | | | this section. Overall 10-15% spodumene. | **2315** | 155.74 | 156.80 | 1.06 | 1.21 |
| | | | | 157.5-157.8 fine grained sugary textured plagio- | **2316** | 156.80 | 157.80 | 1.00 | 1.18 |
| | | | | clase plus fine grained muscovite near lower | | | | | |
| | | | | contact. Lower contact at 60 to CA. | | | | | |
| | | | | | | | | | |
| **157.80** | **165.00** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 118.15 to 141.54m. | | | | | |
| | | | | 159.75-160.33 pegmatite dyke at 80 to CA; | **2317** | 159.75 | 160.33 | 0.58 | 0.01 |
| | | | | white, PG-QZ+/-FP+/-MV; fine grained banded | | | | | |
| | | | | plagioclase at 70 to CA. No visible spodumene. | | | | | |
| | | | | 161.90-162.40 pegmatite dyke, PG-FP+/-QZ, | **2318** | 161.90 | 162.40 | 0.50 | 0.03 |
| | | | | fine grained plagioclase, coarse, grey feldspar | | | | | |
| | | | | at th center and near lower contact. No visible | | | | | |
| | | | | spodumene. Both contacts at 70 to CA. | | | | | |
| | | | | | | | | | |
| | | | | **165.00m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.19%/5.60m | 45.00 | 50.60 |
| 1.48%/3.65m | 75.45 | 79.10 |
| 1.52%/25.31m | 91.84 | 117.15 |
| 1.46%/15.26m | 142.54 | 157.80 |

LITHIUM ONE INC.
Property : James Bay Lithium

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DDH # : | **JBL09-83** | | Start : | 16-Sep-09 | Drilled by : | | Chibougamau |
| Azimuth : | 110° | LOCATION UTM | End : | 17-Sep-09 | | | Diamond Drilling |
| Dip: | -45° | 357985 mE | | | Logged by : | | A.Peshkepia |
| Elevation: | 220m | 5789510 mN | | | **Verified by:** | **AJMc** | on Sept. 18th, 2009 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | Li2O (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **6.90** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **6.90** | **32.35** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained FP-QZ-BO metasedi- | | | | | |
| | | | | ment; weak to moderate foliation subparallel to | | | | | |
| | | | | CA. | | | | | |
| | | | | 14.5-14.88 white, fine fgrained, PG-QZ-MV | | | | | |
| | | | | aplitic dyke at 65 to CA. | | | | | |
| | | | | 15.82-15.96 fine grained PG-QZ-MV aplitic | | | | | |
| | | | | dyke at 30 to CA | | | | | |
| | | | | 22.95-23.33 fine grained, white PG-QZ-MV peg- | | | | | |
| | | | | matite dyke, no visible spodumene; coarse gra- | | | | | |
| | | | | ined at the center. UC at 30 to CA; LC at 80 to | | | | | |
| | | | | CA. | | | | | |
| | | | | | | | | | |
| **32.35** | **38.55** | 6.20 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse grained, PG-QZ-SP-MV-FP peg- | **2319** | 32.35 | 33.35 | 1.00 | 0.30 |
| | | | | matite. Upper contact at 80 to CA. | **2320** | 33.35 | 34.85 | 1.50 | 1.67 |
| | | | | Fine grained, sugary textured PG plus muscovite | **2321** | BLANK | | | <100 ppm |
| | | | | from 32.65 to 33.25m. | **2322** | 34.85 | 36.35 | 1.50 | 1.55 |
| | | | | 10% spodumene as pale green, relatively small | **2323** | 36.35 | 37.55 | 1.20 | 1.45 |
| | | | | <2cm crystals; larger crystals in coarser sections | **2324** | 37.55 | 38.55 | 1.00 | 0.71 |
| | | | | at 34.6 and 37.60m. | | | | | |
| | | | | 35.68-35.80 metasediment xenolith | | | | | |
| | | | | 38.02-38.20 metasediment xenolith. | | | | | |
| | | | | Lower contact at 60 to CA. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | Li2O (%) |
|---|---|---|---|---|---|---|---|---|---|
| **38.55** | **40.15** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 6.90 to 32.35m. | | | | | |
| | | | | | | | | | |
| **40.15** | **41.55** | 1.40 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coar se grained, white PG-QZ-SP-FP+/-MV peg- | **2325** | 40.15 | 41.55 | 1.40 | 1.30 |
| | | | | matite dyke. Upper contact at 50 to CA. | | | | | |
| | | | | 10% spodumene as 3-5cm pale green to white | | | | | |
| | | | | crystals, subparallel to CA. | | | | | |
| | | | | Dark grey feldspar neart lower contact. | | | | | |
| | | | | 40-78-40.88 metasediment xenolith. | | | | | |
| | | | | Lower contact at 60 to CA. | | | | | |
| | | | | | | | | | |
| **41.55** | **42.65** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 6.90-32.35m. | | | | | |
| | | | | | | | | | |
| **42.65** | **63.55** | 20.90 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, white PG-QZ-FP-SP-PH pegmatite dyke. | **2326** | 42.65 | 43.65 | 1.00 | 1.86 |
| | | | | Upper contact at 70 to CA. | **2327** | 43.65 | 45.15 | 1.50 | 1.22 |
| | | | | 42.81-43.0 metasediment xenolith. | **2328** | 45.15 | 46.65 | 1.50 | 1.61 |
| | | | | 10-15% spodumene as pale green to white, | **2329** | 46.65 | 48.15 | 1.50 | 1.64 |
| | | | | relatively small <3cm crsytals randomly oriented. | **2330** | STANDARD-HIGH | | | 1.32 |
| | | | | 52.65-59.7 coarse to very coarse section with | **2331** | 48.15 | 49.65 | 1.50 | 1.54 |
| | | | | massive feldspar, quartz and coarse phlogopite, | **2332** | 49.65 | 51.15 | 1.50 | 1.26 |
| | | | | up to 15cm long spodumene crsytals from 54.7 | **2333** | 51.15 | 52.65 | 1.50 | 1.73 |
| | | | | to 55.2m. | **2334** | 52.65 | 54.15 | 1.50 | 0.73 |
| | | | | 56.15-56.45 massive quartz with coarse phlogo- | **2335** | 54.15 | 55.65 | 1.50 | 1.50 |
| | | | | pite along the edges. | **2336** | 55.65 | 57.15 | 1.50 | 1.44 |
| | | | | 57.5-63.55 smaller size spodumene grains <3cm | **2337** | 57.15 | 58.65 | 1.50 | 2.15 |
| | | | | altered to dark green serpentine from 62.5 to | **2338** | 58.65 | 60.15 | 1.50 | 1.32 |
| | | | | 63.3. | **2339** | 60.15 | 61.35 | 1.20 | 1.61 |
| | | | | Lower contact at 40 to CA. | **990** | DUPLICATE | | | 1.48 |
| | | | | | **2340** | 61.35 | 62.55 | 1.20 | 0.70 |
| | | | | | **2341** | 62.55 | 63.55 | 1.00 | 0.10 |
| | | | | | | | | | |
| | | | | | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | Li2O (%) |
|---|---|---|---|---|---|---|---|---|---|
| **63.55** | **80.80** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, massive FP-QZ-BO metasedi- | | | | | |
| | | | | ment; weak folaition subparallel to CA. | | | | | |
| | | | | | | | | | |
| **80.80** | **94.50** | 13.70 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse grained PG-QZ-FP-SP-PH pegma- | **2342** | 80.80 | 81.80 | 1.00 | 1.44 |
| | | | | tite dyke. | **2343** | 81.80 | 83.30 | 1.50 | 1.13 |
| | | | | Upper contact at 75 to CA. | **2344** | 83.30 | 84.80 | 1.50 | 0.81 |
| | | | | 10% spodumene as pale green to greyish-green | **2345rp** | 84.80 | 86.30 | 1.50 | 1.39 |
| | | | | randomly oriented crystals of various sizes; | **2346** | 86.30 | 87.80 | 1.50 | 1.90 |
| | | | | largewr >5cm crsytals in coarser sections from | **2347** | 87.80 | 89.30 | 1.50 | 1.15 |
| | | | | 82.0 to 87.0. | **2348** | 89.30 | 90.80 | 1.50 | 1.72 |
| | | | | 87.0-90.5 smaller size spodumene crystals 1-2cm | **2349** | STANDARD-HIGH | | | 1.32 |
| | | | | 90.5-93.1 mixed size spodumene crystals. | **2350** | 90.80 | 92.30 | 1.50 | 1.90 |
| | | | | 94.2-94.5 fine grained, sugary textured plagio- | **2351** | 92.30 | 93.50 | 1.20 | 1.18 |
| | | | | clase plus fine muscovite. | **2352** | 93.50 | 94.50 | 1.00 | 0.88 |
| | | | | Lower contact at 50 to CA. | | | | | |
| | | | | | | | | | |
| **94.50** | **103.94** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Brownish-grey, well banded FP-BO-QZ paragne- | | | | | |
| | | | | iss; banding orientation varies from 15 to 40 to | | | | | |
| | | | | CA. | | | | | |
| | | | | 99.1-102.8 quartz-tourmaline veining subpara- | | | | | |
| | | | | llel to CA, finely disseminated Aspy from | | | | | |
| | | | | 100.4 to 100.6 and from 101.9 to 102.8. | | | | | |
| | | | | | | | | | |
| **103.94** | **111.45** | 7.51 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White to light grey, coarse PG-FP-SP-QZ pegma- | **2353** | 103.94 | 104.94 | 1.00 | 1.40 |
| | | | | tite dyke. | **2354** | 104.94 | 106.44 | 1.50 | 1.24 |
| | | | | Upper contact at 80 to CA. | **2355** | 106.44 | 107.94 | 1.50 | 1.60 |
| | | | | 10-15% spodumene as small 1-3cm pale green | **2356** | 107.94 | 109.44 | 1.50 | 1.74 |
| | | | | crystals oriented parallel to subparallel to CA,; | **2357** | 109.44 | 110.45 | 1.01 | 1.62 |
| | | | | few larger >5cm crsytals in coarser grained | **2358** | 110.45 | 111.45 | 1.00 | 1.66 |
| | | | | sections. Sections of dark grey feldspar from | | | | | |
| | | | | 109.80 to 110.45. Lower contact at 55 to CA. | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | Li2O (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **111.45** | **114.57** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Same as 94.50 to 103.94m. | | | | | |
| | | | | | | | | | |
| **114.57** | **119.12** | 4.55 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, white PG-FP-QZ-SP-MV pegmatite. | **2359** | 114.57 | 115.57 | 1.00 | 1.22 |
| | | | | Upper contact at 80 to CA. | **2360** | BLANK | | | <100 ppm |
| | | | | Fine grained muscovite for about 15cm near | **2361** | 115.57 | 117.07 | 1.50 | 1.16 |
| | | | | upper contact. | **2362** | 117.07 | 118.12 | 1.05 | 1.21 |
| | | | | 5-10% spodumene as greyish-green small crys- | **2363** | 118.12 | 119.12 | 1.00 | 0.91 |
| | | | | talls; few larger crystals from 118.2 to 119.12 | | | | | |
| | | | | in a corser grained section. Few small 5mm | | | | | |
| | | | | apatite grains near lower contact. | | | | | |
| | | | | Lower contact at 60 to CA. | | | | | |
| | | | | | | | | | |
| **119.12** | **131.90** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Same as 94.50 to 103.94m. | | | | | |
| | | | | | | | | | |
| **131.90** | **137.47** | 5.57 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, white with few grey sections | **2364** | 131.90 | 132.90 | 1.00 | 1.10 |
| | | | | PG-FP-QZ-SP-PH pegmatite dyke. | **2365** | 132.90 | 134.40 | 1.50 | 1.27 |
| | | | | Upper contact at 85 to CA. 10cm fine grained | **2366** | 134.40 | 135.47 | 1.07 | 0.37 |
| | | | | muscovite section near upper contact. | **2367** | 135.47 | 136.47 | 1.00 | 0.97 |
| | | | | 10% spodumene as pale green, 1-5cm crystals; | **2368** | 136.47 | 137.47 | 1.00 | 0.42 |
| | | | | larger crystals oriented subparallel to CA. | **2369** | STANDARD-LOW | | | 0.84 |
| | | | | 134.0-136.0 coarse grained section with massive | | | | | |
| | | | | FP, QZ and PH and few spodumene crystals. | | | | | |
| | | | | 10cm fiune grained muscovite near lower con- | | | | | |
| | | | | tact. Lower contact at 90 to CA. | | | | | |
| | | | | | | | | | |
| **137.47** | **141.00** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Same as 94.50 to 103.94. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | **141.00m E.O.H.** | | | | | |

LITHOLOGY

| From | To | Length | Rock | Description | Sample # | From | To | Length | Li2O |
|---|---|---|---|---|---|---|---|---|---|
| | | (m) | Code | | | | | (m) | (%) |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.56%/4.20m | 33.35 | 37.55 |
| 1.49%/18.70m | 42.65 | 61.35 |
| 1.37%/13.70m | 80.80 | 94.50 |
| 1.54%/7.51m | 103.94 | 111.45 |
| 1.13%/4.55m | 114.57 | 119.12 |
| 1.20%/2.50m | 131.90 | 134.40 |

LITHIUM ONE INC.
Property : James Bay Lithium

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DDH # : | **JBL09-84** | | Start : | 15-Sep-09 | Drilled by : | | Chibougamau |
| Azimuth : | 110° | LOCATION UTM | End : | 16-Sep-09 | | | Diamond Drilling |
| Dip: | -45° | 357959 mE | | | Logged by : | | A.Peshkepia |
| Elevation: | 214m | 5789470 mN | | | **Verified by:** | **AJMc** | on Sept. 19th, 2009 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **7.90** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **7.90** | **8.35** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey FP-QZ-BO, weakly foliated | | | | | |
| | | | | metasediment. | | | | | |
| | | | | | | | | | |
| **8.35** | **17.75** | 9.40 | **I1G** | **PEGMATITE** | **2370** | 8.35 | 9.35 | 1.00 | 0.03 |
| | | | | White, coarse grained PG-QZ-FP-SP-MV pegma- | **2371** | 9.35 | 10.85 | 1.50 | 1.92 |
| | | | | tite. | **2372** | 10.85 | 12.35 | 1.50 | 1.58 |
| | | | | Upper contact at 30 to CA. Fine grained musco- | **2373** | 12.35 | 13.85 | 1.50 | 2.08 |
| | | | | vite for about 15cm at upper contact. Fine gra- | **2374** | 13.85 | 15.35 | 1.50 | 1.66 |
| | | | | ined yellowish alteration of spodumene crystals | **2375** | 15.35 | 16.75 | 1.40 | 1.77 |
| | | | | from 8.5 to 10.4m. | **2376** | 16.75 | 17.75 | 1.00 | 1.04 |
| | | | | 10% spodumene as relatively small 1-3cm white | | | | | |
| | | | | to pale green crystals. | | | | | |
| | | | | 12.7-13.5 coarser section with larger 3-5cm | | | | | |
| | | | | long spodumene crystals. | | | | | |
| | | | | Fine grained yellowish muscovite from 15.8 to | | | | | |
| | | | | 17.75m. | | | | | |
| | | | | Lower contact at 80 to CA. | | | | | |
| | | | | | | | | | |
| **17.75** | **33.50** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained, FP-QZ-BO massive | | | | | |
| | | | | metasediment; weak foliation at 35 to CA. | | | | | |
| | | | | 23.0-25.0 pervasive, white ascicular up to | | | | | |
| | | | | 6mm long sillimanite(?) crystals. | | | | | |
| | | | | | | | | | |
| **33.50** | **37.95** | 4.45 | **I1G** | **PEGMATITE** | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | White, coarse PG-Qz-FP-MV pegmatite dyke. | **2377** | 33.50 | 34.50 | 1.00 | 0.03 |
| | | | | Upper contact at 40 to CA. Pervasive fine to | **2378** | 34.50 | 35.75 | 1.25 | 0.04 |
| | | | | medium grained yellowish alteration. No visible | **2379** | 35.75 | 36.95 | 1.20 | 0.03 |
| | | | | spodumene. Light yellowish relict spodumene | **2380** | 36.95 | 37.95 | 1.00 | 0.04 |
| | | | | crystals completely replaced by alteration from | **991** | DUPLICATE | | | 0.05 |
| | | | | 36.5 to 37.6m. | | | | | |
| | | | | Lower contact at 85 to CA. | | | | | |
| | | | | | | | | | |
| **37.95** | **99.18** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 17.75 to 33.50. Few thin pegmatite | | | | | |
| | | | | dykes cutting through. | | | | | |
| | | | | 45.28-45.50; 46.41-46.66 and from 46.75 to | | | | | |
| | | | | 47.05. All dykes are composed of PG, QZ and | | | | | |
| | | | | fine grained muscovite, oriented at 40 to CA. | | | | | |
| | | | | | | | | | |
| **99.18** | **106.05** | 6.87 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, medium to coarse grained PG-QZ-SP-FP- | **2381** | 99.18 | 100.18 | 1.00 | 0.03 |
| | | | | MV pegmatite. Upper contact at 55 to CA. Fine | **2382** | 100.18 | 101.68 | 1.50 | 1.57 |
| | | | | grained PG plus MV for 20cm at upper contact. | **2383** | 101.68 | 103.18 | 1.50 | 1.71 |
| | | | | Massive quartz from 99.4 to 99.8m. | **2384** | 103.18 | 104.05 | 0.87 | 1.58 |
| | | | | Fine grained, milky white plagioclase plus yellow- | **2385** | 104.05 | 105.05 | 1.00 | 1.39 |
| | | | | ish fine grained alteration patches from 99.8 to | **2386** | 105.05 | 106.05 | 1.00 | 1.07 |
| | | | | 100.0m | | | | | |
| | | | | Spodumene starts at 100.6m down to 105.8 | | | | | |
| | | | | as small 1-2cm grains pale green to grey, about | | | | | |
| | | | | 10-15% overall. Few 10-20cm fine grained | | | | | |
| | | | | plagioclase sections. | | | | | |
| | | | | 105.8-106.05 fine grained plagioclase plus fine | | | | | |
| | | | | grained muscovite near the lower contact. | | | | | |
| | | | | Lower contact at 60 to CA. | | | | | |
| | | | | | | | | | |
| **106.05** | **112.88** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey FP-QZ-BO metasediment; | | | | | |
| | | | | moderate foliation at 40 to CA. Very micaceous | | | | | |
| | | | | for about 50cm near the contact with the peg- | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | matite below. | | | | | |
| | | | | | | | | | |
| **112.88** | **136.67** | 23.79 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse PG-Fp-SP-QZ-MV pegmatite. | **2387** | 112.88 | 113.88 | 1.00 | 0.75 |
| | | | | Upper contact at 65 to CA. | **2388** | 113.88 | 115.38 | 1.50 | 0.88 |
| | | | | Milky white fine grained plagioclase and quartz | **2389** | 115.38 | 116.88 | 1.50 | 1.13 |
| | | | | plus minor spodumene from upper contact to | **2390** | 116.88 | 118.38 | 1.50 | 1.75 |
| | | | | 114.8m. | **2391** | STANDARD-LOW | | | 0.84 |
| | | | | Pervasive, relatively small 1-3cm pale green to | **2392** | 118.38 | 119.88 | 1.50 | 1.75 |
| | | | | greyish spodumene crystals from 114.8 to | **2393** | 119.88 | 121.38 | 1.50 | 2.00 |
| | | | | 126.5m. | **2394** | 121.38 | 122.88 | 1.50 | 1.68 |
| | | | | Black feldspar patches starting at 117.6 continu- | **2395** | 122.88 | 124.38 | 1.50 | 1.53 |
| | | | | ing intermittently down to 125.0m. | **2396** | 124.38 | 125.88 | 1.50 | 1.28 |
| | | | | 126.5-136.67 very coarse grained section with | **2397** | 125.88 | 127.38 | 1.50 | 1.75 |
| | | | | large 10-15cm long fresh spodumene crsytals | **2398** | 127.38 | 128.88 | 1.50 | 1.10 |
| | | | | from 128.5 to 131.0 associated with massive | **2399** | 128.88 | 130.38 | 1.50 | 2.97 |
| | | | | quartz, phlogopite and feldspar. | **2400** | 130.38 | 131.88 | 1.50 | 1.38 |
| | | | | Massive quartz from 131.4 to 131.8 and from | **2590** | 131.88 | 133.38 | 1.50 | 1.39 |
| | | | | 133.7 to 134.2. Large spodumene crystals | **2591** | 133.38 | 134.67 | 1.29 | 1.79 |
| | | | | from 133.6 to 133.9m. | **2592** | 134.67 | 135.67 | 1.00 | 0.47 |
| | | | | Overall this dyke contains 15% spodumene. | **2593** | BLANK | | | <100 ppm |
| | | | | Lower contact at 65(?) to CA masked by fine | **2594** | 135.67 | 136.67 | 1.00 | 0.79 |
| | | | | grained muscovite alteration. | | | | | |
| | | | | | | | | | |
| **136.67** | **147.30** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 106.05 to 112.88 | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | **147.30m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.71%/8.40m | 9.35 | 17.75 |
| 1.49%/5.87m | 100.18 | 106.05 |
| 1.60%/20.79m | 113.88 | 134.67 |

LITHIUM ONE INC.
Property : James Bay-Lithium

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DDH # : | **JBL09-42** | | Start : | 3-aug-09 | Drilled by : | | Chibougamau |
| Azimuth : | 340° | LOCATION UTM | End : | 4-aug-09 | | | Diamond Drilling |
| Dip: | -45° | 357364 mE | | | Logged by : | | A.Peshkepia |
| Elevation: | 204m | 5789803 mN | | | **Verified by:** | **AJMc** | on August 3rd, 2009 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **8.80** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **8.80** | **85.26** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained, massive, locally mo- | | | | | |
| | | | | derate foliation at 45 to 60 to CA; QZ-FP-BO. | | | | | |
| | | | | 15.8-33.3; andalusite porphyroblasts, white, | | | | | |
| | | | | subrounded up to 2cm across. | | | | | |
| | | | | 35.9-41.5 few black, altered andalusite porphy- | | | | | |
| | | | | roblasts, 0.5 to 2cm across. | | | | | |
| | | | | 64.55-64.93; white fine to medium grained, mi- | | | | | |
| | | | | caceous PG-MV-FP-QZ pegmatite dyke; upper | | | | | |
| | | | | contact at 20 to CA; lower contact at 50 to CA | | | | | |
| | | | | No visible spodumene. | | | | | |
| | | | | 82.15-82.53 altered PG-QZ-MV pegmatite dyke; | | | | | |
| | | | | coarse, no visible SP; both contacts at 35 to CA. | | | | | |
| | | | | | | | | | |
| **85.26** | **114.22** | 28.96 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, white with light grey patches, thick | **680** | 85.26 | 86.26 | 1.00 | 1.21 |
| | | | | pegmatite dyke PG-FP-SP-MV+/-PH. | **681** | 86.26 | 87.76 | 1.50 | 0.02 |
| | | | | Fine grained yellowish MV plus dark grey to black | **682** | 87.76 | 89.26 | 1.50 | 0.08 |
| | | | | FP patches from upper contact to 88.5m; | **568799** | DUPLICATE | | | 0.10 |
| | | | | altered spodumene to yellow mica and greenish | **683** | 89.26 | 90.76 | 1.50 | 1.09 |
| | | | | serpentine? 15-20% SP as 5-10cm massive cry- | **684** | 90.76 | 92.26 | 1.50 | 1.22 |
| | | | | stals from 99.0 to 108.0, massive quartz and | **685** | 92.26 | 93.76 | 1.50 | 1.58 |
| | | | | coarse FP and PG associated with coarser spodu | **686** | 93.76 | 95.26 | 1.50 | 1.41 |
| | | | | mene. | **687** | 95.26 | 96.76 | 1.50 | 0.89 |
| | | | | 108.0-111.0 spodumene is of smaller size, and | **688** | 96.76 | 98.26 | 1.50 | 0.55 |
| | | | | in smaller quantity, more FP,PG and MV in this | **689** | 98.26 | 99.76 | 1.50 | 0.72 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | section; | **690** | 99.76 | 101.26 | 1.50 | 2.88 |
| | | | | 111.0-114.0 dark grey to black coarse FP pat- | **691** | STANDARD-HIGH | | | 1.32 |
| | | | | ches, minor spodumene; | **692** | 101.26 | 102.76 | 1.50 | 1.79 |
| | | | | 114.0-114.22; fine grained, sugary PG plus fine | **693** | 102.76 | 104.26 | 1.50 | 1.24 |
| | | | | muscovite. | **694** | 104.26 | 105.76 | 1.50 | 2.01 |
| | | | | Upper contact at 35 to CA; lower contact at 40 | **695** | 105.76 | 107.26 | 1.50 | 1.94 |
| | | | | to CA. | **696** | 107.26 | 108.76 | 1.50 | 1.32 |
| | | | | | **697** | 108.76 | 110.26 | 1.50 | 1.26 |
| | | | | | **698** | 110.26 | 111.76 | 1.50 | 1.51 |
| | | | | | **699** | 111.76 | 113.22 | 1.46 | 1.31 |
| | | | | | **700** | 113.22 | 114.22 | 1.00 | 0.62 |
| | | | | | | | | | |
| **114.22** | **119.10** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Dark grey, fine grained, massive QZ-FP+/-BO; | | | | | |
| | | | | 1-3mm subhedral grey mineral near upper conta- | | | | | |
| | | | | ct with pegmatite. | | | | | |
| | | | | 116.0-116.54; 0.54m white, fine grained PG-QZ- | | | | | |
| | | | | FP-MV pegmatite. No visible spodumene. Abun- | | | | | |
| | | | | dant fine grained MV in the lower half of dyke. | | | | | |
| | | | | Micaceous M1 metasediment xenolith 15cm in | | | | | |
| | | | | the middle section of the dyke. Upper contact | | | | | |
| | | | | at 35 to CA; lower contact at 50 to CA. | | | | | |
| | | | | | | | | | |
| **119.10** | **126.70** | 7.60 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Greyish-white, medium to coarse grained, alter- | **701** | 119.10 | 120.10 | 1.00 | 1.86 |
| | | | | ed pegmatite PG-FP-QZ-SP-MV; | **702** | 120.10 | 121.60 | 1.50 | 0.81 |
| | | | | 10-15% spodumene as small grains <4cm, loca- | **703** | BLANK | | | <100 ppm |
| | | | | lly altered to MV, small 10cm thick M1 metasedi- | **704** | 121.60 | 123.10 | 1.50 | 1.25 |
| | | | | ment xenoliths at 121.2 and 122.5m. Upper con- | **705** | 123.10 | 124.60 | 1.50 | 1.55 |
| | | | | tact at 15 to CA; lower contact at 45 to CA. | **706** | 124.60 | 125.70 | 1.10 | 0.73 |
| | | | | | **707** | 125.70 | 126.70 | 1.00 | 1.49 |
| | | | | | | | | | |
| **126.70** | **131.95** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Grey, fine grained, massive FP-QZ+/-BO metase- | | | | | |
| | | | | diment; 128.8 to 131.8 intense fracturing, brok- | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | en core in few cm size angular pieces. | | | | | |
| | | | | | | | | | |
| **131.95** | **139.20** | 7.25 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, white with black patches PG-FP | **708** | 131.95 | 132.95 | 1.00 | 0.08 |
| | | | | QZ-SP-MV pegmatite; fine MV plus PG near | **709** | 132.95 | 134.45 | 1.50 | 0.38 |
| | | | | upper contact for about 10cm. Upper contact at | **710** | 134.45 | 135.95 | 1.50 | 0.78 |
| | | | | 30 to CA. 10-15% spodumene. | **711** | STANDARD-HIGH | | | 1.36 |
| | | | | 132.88-133.20; 42cm M1 metasediment xenolith | **712** | 135.95 | 137.10 | 1.15 | 0.56 |
| | | | | at 35 to CA. Coarse spodumene from 135.5 to | **713** | 137.10 | 138.20 | 1.10 | 2.48 |
| | | | | 138.2, pale green, short stubby crystals; | **714** | 138.20 | 139.20 | 1.00 | 0.11 |
| | | | | yellowishf.g. MV alteration from 134.5 to 136.0 | | | | | |
| | | | | Black FP patches from 137.0 to 139.0. | | | | | |
| | | | | Lower contact at 35 to CA. | | | | | |
| | | | | | | | | | |
| **139.20** | **144.00** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained, massive FP-QZ+/-BO | | | | | |
| | | | | metasediment. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | **144.00m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.42%/23.96m | 89.26 | 113.22 |
| 1.26%/7.60m | 119.10 | 126.70 |
| 1.21%/3.75m | 134.45 | 138.20 |

LITHIUM ONE INC.

Property : James Bay-Lithium

DDH # : **JBL09-43** Start : 4-aug-09 Drilled by : Chibougamau

Azimuth : 160° LOCATION UTM End : 5-aug-09 Diamond Drilling

Dip: -45° 357380 mE Logged by : A.Peshkepia

Elevation: 203m 5789898 mN **Verified by: AJMc** on August 5th,2009

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **5.40** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **5.40** | **45.33** | 39.93 | **I1G** | **PEGMATITE** | **715** | 5.40 | 6.40 | 1.00 | 0.94 |
| | | | | Coarse to very coarse, white with light grey sec- | **716** | 6.40 | 7.90 | 1.50 | 1.94 |
| | | | | tions PG-FP-SP-QZ-PH-MV pegmatite. | **717** | 7.90 | 9.40 | 1.50 | 1.12 |
| | | | | Short sections 5-15cm of massive spodumene | **718** | 9.40 | 10.90 | 1.50 | 2.35 |
| | | | | light green, from 7.8 to 20.6m; | **719** | 10.90 | 12.40 | 1.50 | 1.24 |
| | | | | 20.6-45.33 light grey feldspar rich section, | **720** | 12.40 | 13.90 | 1.50 | 0.62 |
| | | | | smaller size spodumene crystals <5cm, few | **721** | 13.90 | 15.40 | 1.50 | 1.02 |
| | | | | short sections of semi-massive spodumene at | **722** | 15.40 | 16.90 | 1.50 | 1.56 |
| | | | | 29.5, 32.0 and 34.0m. | **723** | 16.90 | 18.40 | 1.50 | 2.15 |
| | | | | the upper part of this dyke contains some coar- | **568800** | DUPLICATE | | | 1.80 |
| | | | | se muscovite and some altered spodumene | **724** | 18.40 | 19.90 | 1.50 | 1.71 |
| | | | | crystals from 7.0 to 15.0m. | **725** | 19.90 | 21.40 | 1.50 | 1.50 |
| | | | | Abundant dark grey feldpspar and less spodume- | **726** | 21.40 | 22.90 | 1.50 | 2.45 |
| | | | | ne from 32.0 to 44.0m. | **727** | 22.90 | 24.40 | 1.50 | 2.05 |
| | | | | Some spodumene crystals in the last meter near | **728** | 24.40 | 25.90 | 1.50 | 2.63 |
| | | | | the lower contact are altered to fine grained, | **729** | 25.90 | 27.40 | 1.50 | 1.50 |
| | | | | yellow mica? | **730** | 27.40 | 28.90 | 1.50 | 1.57 |
| | | | | Lower contact at 55 to CA. 15cm metasediment | **731** | 28.90 | 30.40 | 1.50 | 2.86 |
| | | | | xenolith in the last meter at 45.09m. | **732** | STANDARD-LOW | | | 0.89 |
| | | | | Overall the spodumene content in this pegmatite | **733** | 30.40 | 31.90 | 1.50 | 2.30 |
| | | | | 20-25% SP. | **734** | 31.90 | 33.40 | 1.50 | 1.61 |
| | | | | | **735** | 33.40 | 34.90 | 1.50 | 1.64 |
| | | | | | **736** | 34.90 | 36.40 | 1.50 | 1.56 |
| | | | | | **737** | 36.40 | 37.90 | 1.50 | 1.74 |
| | | | | | **738** | 37.90 | 39.40 | 1.50 | 1.41 |
| | | | | | **739** | 39.40 | 40.90 | 1.50 | 1.10 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | **740** | 40.90 | 42.40 | 1.50 | 1.98 |
| | | | | | **741** | 42.40 | 43.40 | 1.00 | 1.30 |
| | | | | | **742** | 43.40 | 44.33 | 0.93 | 1.05 |
| | | | | | **743** | 44.33 | 45.33 | 1.00 | 0.05 |
| | | | | | **744** | BLANK | | | <100 ppm |
| | | | | | | | | | |
| **45.33** | **111.10** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Dark grey, fine grained, massive with sections | | | | | |
| | | | | of moderate to good foliation at 40 to CA. | | | | | |
| | | | | Two short pegmatite dykes near the upper | | | | | |
| | | | | contact; | | | | | |
| | | | | 47.5-48.21; 0.71m greyish-white, medium to | **745** | 47.50 | 48.21 | 0.71 | 0.07 |
| | | | | coarse grained PG-FP-QZ-MV+/-SP pegmatite; | | | | | |
| | | | | trace spodumene; upper contact at 45 to CA; | | | | | |
| | | | | lower contact at 50 to CA. | | | | | |
| | | | | 49.06-49.52; 0.46m white, fine grained, sugary | **746** | 49.06 | 49.52 | 0.46 | 0.03 |
| | | | | textured pegmatite dyke of PG-MV-FP-QZ com- | | | | | |
| | | | | position; trace spodumene. Upper contact at | | | | | |
| | | | | 50; lower contact at 40 to CA. | | | | | |
| | | | | 78.0-100.8 large andalusite porphyroblasts, sub- | | | | | |
| | | | | rounded and/or elongated up to 4cm long, most | | | | | |
| | | | | of them 1-2cm across; light grey to white | | | | | |
| | | | | coloured, some altered to dark green to black | | | | | |
| | | | | chlorite (?) | | | | | |
| | | | | 87.32-87.62; massive QZ vein, with fine grained | | | | | |
| | | | | biotite for about 2cm at each contact; oriented | | | | | |
| | | | | at 50 to CA. | | | | | |
| | | | | 101.6-102.10; white, medium to coarse grained, | | | | | |
| | | | | micaceous pegmatite dyke PG-MV-QZ, no visible | | | | | |
| | | | | spodumene; upper contact at 70; lower contact | | | | | |
| | | | | at 40 to CA; abundant fine to medium grained | | | | | |
| | | | | muscovite. | | | | | |
| | | | | 103.5-103.75; micaceous pegmatite dyke, | | | | | |
| | | | | same as 101.6 to 102.10 at 50 to CA. | | | | | |
| | | | | 107.4-107.6 similar medium grained micaceous | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | pegmatite dyke at 40 to CA. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | **111.10m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.68%/38.93m | 5.40 | 44.33 |

LITHIUM ONE INC.
Property : James Bay Lithium

| | | | | | |
|---|---|---|---|---|---|
| DDH # : | **JBL09-44** | | Start : 5-aug-09 | Drilled by : | Chibougamau |
| Azimuth : | 160° | LOCATION UTM | End : 6-aug-09 | | Diamond Drilling |
| Dip: | -45° | 357320 mE | | Logged by : | A.Peshkepia |
| Elevation: | 203m | 5789906 mN | | **Verified by: AJMc** | on August 8th,2009 |

LITHOLOGY Page:

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **7.50** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **7.50** | **22.33** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained FP-QZ-BO metasedi- | | | | | |
| | | | | ment, moderate to good foliation at 40 to CA; | | | | | |
| | | | | from 19 to22m foliation at 15 to CA. | | | | | |
| | | | | 8.0-8.30; 30cm pegmatite dyke; white, medium | | | | | |
| | | | | grained PG-MV-QZ; no visible SP; oriented at 70 | | | | | |
| | | | | to CA. | | | | | |
| | | | | 21.3-21.6; 30cm fine grained, white MV-PG-QZ | | | | | |
| | | | | pegmatite dyke; upper contact at 20 to CA; | | | | | |
| | | | | broken core at lower contact. | | | | | |
| | | | | | | | | | |
| **22.33** | **28.08** | 5.75 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, white PG-SP-FP-QZ-MV pegmatite; | **747** | 22.33 | 23.33 | 1.00 | 0.07 |
| | | | | short sections of semi-massive SP from 23.5 to | **748** | 23.33 | 24.83 | 1.50 | 2.78 |
| | | | | 26.0m; near the upper contact spodumene is | **749** | 24.83 | 26.13 | 1.30 | 2.30 |
| | | | | finner grained and altered to fine grained yellow- | **750** | 26.13 | 27.08 | 0.95 | 0.56 |
| | | | | ish mineral; | **751** | 27.08 | 28.08 | 1.00 | 0.52 |
| | | | | coarse SP-QZ-PG-MV from 23.5 to 26.0; some | | | | | |
| | | | | spodumene crystals are altered to serpentine | | | | | |
| | | | | like mineral at 24.3m; | | | | | |
| | | | | Grey FP, QZ and MV and minor spodumene from | | | | | |
| | | | | 26.5 to 28.08m. | | | | | |
| | | | | 27.45-27.82; M1 metasediment xenolith with | | | | | |
| | | | | pervasive euhedral silvery mineral 1-3mm mica? | | | | | |
| | | | | Over all this dyke contains 25-30% spodumene. | | | | | |
| | | | | Upper contact at 50 to CA; lower contact at | | | | | |

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 70 to CA. | | | | | |
| | | | | | | | | | |
| **28.08** | **49.83** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Grey, fine grained FP-QZ+/-BO metasediment, | | | | | |
| | | | | weak to moderate foliation at 45 to CA. | | | | | |
| | | | | 32.10-32.45; 35cm white, fine to medium grai- | | | | | |
| | | | | ned PG-MV-QZ pegmatite at 50 to CA; no visi- | | | | | |
| | | | | ble spodumene. | | | | | |
| | | | | 32.45-32.65; up 1cm long euhedral sillimanite | | | | | |
| | | | | crystals at contact with pegmatite. | | | | | |
| | | | | 34.04-34.53; 0.49m medium to coarse grained | | | | | |
| | | | | PG-QZ-MV-FP pegmatite dyke with no visible | | | | | |
| | | | | spodumene; at 50 to CA. | | | | | |
| | | | | 39.27-40.12; 0.85m white, coarse PG-SP-QZ-FP | **752** | 39.27 | 40.12 | 0.85 | 1.32 |
| | | | | MV pegmatite with about 15-20% spodumene | | | | | |
| | | | | as coarse crystals at the center of dyke ~6cm | | | | | |
| | | | | long; smaller spodumene crystals are altered to | | | | | |
| | | | | serpentine like minerals. Trace AP; massive QZ | | | | | |
| | | | | for about 30cm near the lower contact. | | | | | |
| | | | | Upper contact at 40 to CA; lower contact at 30 | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |
| **49.83** | **74.12** | 24.29 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse with very coarse sections, white with | **753** | 49.83 | 50.83 | 1.00 | 2.73 |
| | | | | dark grey sections PG-SP-FP-QZ-MV pegmatite; | **754** | 50.83 | 52.33 | 1.50 | 1.21 |
| | | | | upper contact at 60 to CA; Spodumene is pale | **755** | STANDARD-HIGH | | | 1.39 |
| | | | | green, fresh as subrounded crystals and short | **756** | 52.33 | 53.83 | 1.50 | 1.30 |
| | | | | semi-massive sections; in some sections spodu- | **757** | 53.83 | 55.33 | 1.50 | 2.39 |
| | | | | mene appears interstitiaql to quartz; overall | **758** | 55.33 | 56.83 | 1.50 | 0.77 |
| | | | | this pegmatite contains 25-30% spodumene. | **759** | 56.83 | 58.33 | 1.50 | 0.90 |
| | | | | Dark grey, mainly FP sections from 54.5to61.30 | **760** | 58.33 | 59.83 | 1.50 | 2.20 |
| | | | | thin metasediment xenoliths from 53.67 to 53.97 | **761** | 59.83 | 61.33 | 1.50 | 1.29 |
| | | | | and from 55.95 to 56.05. | **762** | 61.33 | 62.83 | 1.50 | 1.99 |
| | | | | Coarse phlogopite and few 1cm size subhedral | **763** | 62.83 | 64.33 | 1.50 | 1.51 |
| | | | | apatite grains from 50.50 to 54.50m. | **764** | 64.33 | 65.83 | 1.50 | 1.77 |

LITHOLOGY Page:

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 73.20 to 74.12 fine grained muscovite, yellowish | **765** | 65.83 | 67.33 | 1.50 | 1.82 |
| | | | | alteration of finner grained spodumene near the | **766** | 67.33 | 68.83 | 1.50 | 2.43 |
| | | | | lower contact; lower contact at 65 to CA. | **966** | DUPLICATE | | | 1.61 |
| | | | | | **767** | 68.83 | 70.33 | 1.50 | 0.92 |
| | | | | | **768** | 70.33 | 71.83 | 1.50 | 1.34 |
| | | | | | **769** | 71.83 | 73.12 | 1.29 | 0.99 |
| | | | | | **770** | 73.12 | 74.12 | 1.00 | 0.07 |
| | | | | | | | | | |
| **74.12** | **80.75** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Grey, fine grained FP-QZ+/-BO metasediment; | | | | | |
| | | | | moderate foliation at 40 to CA; up to 1cm long | | | | | |
| | | | | sillimanite crystals for about 10cm near the con- | | | | | |
| | | | | tact with pegmatite. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | **80.75m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 2.56%/2.80m | 23.33 | 26.13 |
| 1.27%/23.29m | 49.83 | 73.12 |

LITHIUM ONE INC.
Property : James Bay Lithium

| | | | | | |
|---|---|---|---|---|---|
| DDH # : | **JBL09-45** | Start : | 6-aug-09 | Drilled by : | Chibougamau |
| Azimuth : | 160° | LOCATION UTM | End : 7-aug-09 | | Diamond Drilling |
| Dip: | -45° | 357277 mE | | Logged by : | A.Peshkepia |
| Elevation: | 207m | 5789885 mN | | **Verified by: AJMc** | on August 8th, 2009 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **7.00** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **7.00** | **22.80** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium to dark grey, fine grained, massive FP- | | | | | |
| | | | | QZ-BO metasediment, weak foliation at 40 to CA. | | | | | |
| | | | | 9.85-10.5; 0.65m greyish-white PG-QZ-FP-MV- | **771** | 9.85 | 10.50 | 0.65 | 0.11 |
| | | | | SP pegmatite; broken core at upper contact; | | | | | |
| | | | | lower contact at 20 to CA; 1-3% spodumene | | | | | |
| | | | | as small altered crystals; black FP patches; | | | | | |
| | | | | 20cm sugary textured fine grained MV+PG at | | | | | |
| | | | | lower contact. | | | | | |
| | | | | | | | | | |
| **22.80** | **24.80** | 2.00 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Greyish-white, medium to coarse grained PG-FP- | **772** | 22.80 | 23.80 | 1.00 | 0.26 |
| | | | | QZ-SP+/-MV pegmatite; finner grained altered | **773** | 23.80 | 24.80 | 1.00 | 1.47 |
| | | | | spodumene near both contacts <1cm crystals. | | | | | |
| | | | | Coarse, fresh spodumene at the center of dyke | | | | | |
| | | | | from 23.7 to 24.2m. | | | | | |
| | | | | 10-15% spodumene; upper contact at 60 to CA; | | | | | |
| | | | | lower contact at 70 to CA. | | | | | |
| | | | | | | | | | |
| **24.80** | **26.25** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, dark grey, foliation at 50 to CA in | | | | | |
| | | | | the upper half and massive in the lower half, | | | | | |
| | | | | fine grained mica for about 30cm near the lower | | | | | |
| | | | | contact. | | | | | |
| | | | | | | | | | |
| **26.25** | **30.85** | 4.60 | **I1G** | **PEGMATITE** | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Coarse, white with grey sections PG-QZ-FP-SP | **774** | 26.25 | 27.25 | 1.00 | 1.60 |
| | | | | pegmatite; upper contact at 55 to CA; yellow- | **775** | 27.25 | 28.75 | 1.50 | 0.67 |
| | | | | ish green <1cm altered spodumene grains for | **776** | 28.75 | 29.85 | 1.10 | 2.24 |
| | | | | about 15cm near the upper contact. Massive | **777** | STANDARD-LOW | | | 0.85 |
| | | | | quartz from 26.7 to 28.2m with few SP crystals | **778** | 29.85 | 30.85 | 1.00 | 1.27 |
| | | | | about 15cm near the upper contact. Massive | | | | | |
| | | | | and one 15cm massive FP section. | | | | | |
| | | | | 28.2-30.85 coarse PG-SP-PH section with few | | | | | |
| | | | | AP grains up to 1cm from 29.0 to 30.0. | | | | | |
| | | | | Overall 10-15% spodumene concentrated mainly | | | | | |
| | | | | in the lower half of the pegmatite. Lower conta- | | | | | |
| | | | | ct at 60 to CA. | | | | | |
| | | | | | | | | | |
| **30.85** | **41.48** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 7.0 to 22.8m. | | | | | |
| | | | | | | | | | |
| **41.48** | **78.80** | 37.32 | **I1G** | **PEGMATITE** | **779** | 41.48 | 42.48 | 1.00 | 0.84 |
| | | | | White to greyish-white, very coarse PG-SP-FP- | **780** | 42.48 | 43.98 | 1.50 | 1.48 |
| | | | | QZ-PH-MV pegmatite; | **781** | 43.98 | 45.48 | 1.50 | 1.63 |
| | | | | coarse, pale green to whitish-green, fresh spo- | **782** | BLANK | | | <100 ppm |
| | | | | dumene from 42.0 to 49.0 as 5-10 cm massive | **783** | 45.48 | 46.98 | 1.50 | 2.80 |
| | | | | spodumene sections; | **784** | 46.98 | 48.48 | 1.50 | 0.63 |
| | | | | 45.0-46.0 coarse phlogopite, quartz and plagio- | **785** | 48.48 | 49.98 | 1.50 | 1.50 |
| | | | | clase; | **786** | 49.98 | 51.48 | 1.50 | 0.45 |
| | | | | 2cm, white, subhedral beril crystal at 47.0m; | **787** | 51.48 | 52.98 | 1.50 | 0.68 |
| | | | | 48.0-53.0 coarse PG-FP section with few coarse | **788** | 52.98 | 54.48 | 1.50 | 1.74 |
| | | | | spodumene crystals; | **789*** | 54.48 | 57.00 | 2.52 | 0.09 |
| | | | | From 54.50 to 62.0m several meter long sections | **790** | 57.00 | 58.50 | 1.50 | 0.10 |
| | | | | of poor core recovery, broken, grounded, lost | **791** | STANDARD-HIGH | | | 1.35 |
| | | | | core; | **792*** | 58.50 | 60.00 | 1.50 | 0.82 |
| | | | | 54.48-57.00; 1.22m lost core; | **793*** | 60.00 | 62.00 | 2.00 | 0.94 |
| | | | | 58.5-60.0; 0.6m lost core; | **794** | 62.00 | 63.50 | 1.50 | 1.13 |
| | | | | 60.0-62.0; 0.4m lost core. | **795** | 63.50 | 65.00 | 1.50 | 1.52 |
| | | | | 62.0-72.5 grey section with massive FP, spodu- | **796** | 65.00 | 66.50 | 1.50 | 1.68 |
| | | | | mene mainly as interstitial to quartz, short sec- | **797** | 66.50 | 68.00 | 1.50 | 1.43 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | tions of massive spodumene 5-10cm; | **798** | 68.00 | 69.50 | 1.50 | 1.42 |
| | | | | 75.0-77.8; coarse FP-QZ-SP with massive SP | **799** | 69.50 | 71.00 | 1.50 | 0.36 |
| | | | | sections at 75.6-75.8; 76.3-76.4 and 76.7. | **800** | 71.00 | 72.50 | 1.50 | 1.97 |
| | | | | Upper contact at 70 to CA; lower contact at 60 | **801** | 72.50 | 74.00 | 1.50 | 0.36 |
| | | | | to CA. | **802** | 74.00 | 75.50 | 1.50 | 1.15 |
| | | | | | **803** | 75.50 | 77.00 | 1.50 | 3.79 |
| | | | | | **804** | 77.00 | 77.80 | 0.80 | 0.50 |
| | | | | | **967** | DUPLICATE | | | 0.77 |
| | | | | | **805** | 77.80 | 78.80 | 1.00 | 0.02 |
| | | | | | | | | | |
| **78.80** | **90.00** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained FP-QZ-BO metasedi- | | | | | |
| | | | | ment, weak foliation at 35 to CA. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | **90.00m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.38%/4.60m | 26.25 | 30.85 |
| 1.21%/35.52m | 41.48 | 77.00 |

LITHIUM ONE INC.
Property : James Bay Lithium

| | | | | | |
|---|---|---|---|---|---|
| DDH # : | **JBL09-46** | Start : | 7-aug-09 | Drilled by : | Chibougamau Diamond Drilling |
| Azimuth : | 160° | LOCATION UTM | End : 8-aug-09 | | |
| Dip: | -75° | 357277 mE | | Logged by : | A..Peskepia |
| Elevation: | 208m | 5789885 mN | | **Verified b AJMc** | on August 9th, 2009 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **4.30** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **4.30** | **50.82** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Grey, fine grained FP-QZ-BO well foliated meta- | | | | | |
| | | | | sediment. At 12.0m foliation parallel to CA; at | | | | | |
| | | | | 19.0m foliation at 50 to CA; at 29m foliation | | | | | |
| | | | | parallel to CA. | | | | | |
| | | | | Thin pegmatite dykes 3-10cm, fine grained, mi- | | | | | |
| | | | | caceous at 20 to CA, at 24.35 and 33.6m. | | | | | |
| | | | | 40.1-40.7 5cm thick quartz vein subparallel to | | | | | |
| | | | | CA. | | | | | |
| | | | | 41.85-41.95 10cm massive quartz vein | | | | | |
| | | | | 10-20cm sections of fine grained sillimanite? | | | | | |
| | | | | at 33.5, 44.4 and 47.0m. | | | | | |
| | | | | | | | | | |
| **50.82** | **56.48** | 5.66 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Very coarse, white with grey sections PG-SP-FP | **806** | 50.82 | 51.82 | 1.00 | 2.32 |
| | | | | QZ-MV pegmatite; several sections of massive | **807** | 51.82 | 53.32 | 1.50 | 3.19 |
| | | | | spodumene, very pale green to white; | **808** | 53.32 | 54.48 | 1.16 | 3.87 |
| | | | | 51.7-52.25; 53.7-54.1; 54.45-55.25 semi-massi- | **809** | 54.48 | 55.48 | 1.00 | 5.02 |
| | | | | ve spodumene and 56.15 to 56.40. | **810** | 55.48 | 56.48 | 1.00 | 2.97 |
| | | | | Dark grey FP from 53 to 53.6m; coarse MV from | | | | | |
| | | | | 54.2 to 55.0. Apatite from 55.6 to 54.4 as sub- | | | | | |
| | | | | hedral grtains up to 1cm across. | | | | | |
| | | | | Overall 35-40% spodumene. | | | | | |
| | | | | Broken core at upper contact 80(?) To CA; | | | | | |
| | | | | lower contact at 35 to CA. | | | | | |
| | | | | | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **56.48** | **79.08** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained, FP-QZ-BO metasedi- | | | | | |
| | | | | ment with moderate foliation subparallel to CA. | | | | | |
| | | | | | | | | | |
| **79.08** | **96.55** | 17.47 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, white PG-SP-QZ-FP-MV pegma- | **811** | 79.08 | 80.08 | 1.00 | 0.46 |
| | | | | tite. Upper contact at 40 to CA. | **812** | 80.08 | 81.58 | 1.50 | 2.32 |
| | | | | Altered spodumene to fine grainwed yellowish | **813** | 81.58 | 83.08 | 1.50 | 1.73 |
| | | | | mineral for about 1m near the upper contact. | **814** | 83.08 | 84.58 | 1.50 | 1.60 |
| | | | | 84.4-88.0 coarse SP with5-20cm sections of | **815** | STANDARD-HIGH | | | 1.47 |
| | | | | massive spodumene; coarse FP and PH. | **816** | 84.58 | 86.08 | 1.50 | 3.23 |
| | | | | Coarse clevelandite 4cm crystal at 86m. | **817** | 86.08 | 87.58 | 1.50 | 2.03 |
| | | | | 0verall 20-25% spodumene. Trace apatite | **818** | 87.58 | 89.08 | 1.50 | 1.51 |
| | | | | 92.8-93.43 metasediment xenolith M1, massive | **819** | 89.08 | 90.58 | 1.50 | 1.85 |
| | | | | fine grained, grey with pervasive fine grained | **820** | 90.58 | 92.08 | 1.50 | 1.63 |
| | | | | mica. | **821** | BLANK | | | <100 ppm |
| | | | | 95.8-96.55 fine grained yellowish mica. | **822** | 92.08 | 93.58 | 1.50 | 0.57 |
| | | | | Lower contact at at 35 to CA. | **823** | 93.58 | 94.55 | 0.97 | 0.02 |
| | | | | | **824** | 94.55 | 95.55 | 1.00 | 0.89 |
| | | | | | **825** | 95.55 | 96.55 | 1.00 | 1.62 |
| | | | | | | | | | |
| **96.55** | **120.47** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey to bluish-grey FP-QZ-BO, | | | | | |
| | | | | well foliated metasediment with foliation subpara- | | | | | |
| | | | | llel to CA; altered pegmatite dyke parallel to CA | | | | | |
| | | | | from 110.75 to 11.7m medium grained QZ-MV-FP; | | | | | |
| | | | | Blue quartz veinlets from 108.4-110.75. | | | | | |
| | | | | | | | | | |
| **120.47** | **128.34** | 7.87 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White to greyish-white, coarse PG-FP-SP-QZ | **826** | 120.47 | 121.47 | 1.00 | 0.30 |
| | | | | MV pegmatite. Upper contact subparallel to CA | **827** | 121.47 | 122.97 | 1.50 | 0.36 |
| | | | | at 15 to CA. Fine grained MV for about 1m near | **828** | 122.97 | 124.47 | 1.50 | 1.53 |
| | | | | the upper contact. | **829** | 124.47 | 125.97 | 1.50 | 1.27 |
| | | | | Dark grey FP from 121.6 to 123 with minor spo- | **830** | 125.97 | 127.34 | 1.37 | 2.20 |
| | | | | dumene altered to serpentine like mineral. | **831** | 127.34 | 128.34 | 1.00 | 0.76 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | The bulk of spodumene is located between | **832** | STANDARD-LOW | | | 0.82 |
| | | | | 123.7 and 127.4 as small 1-2cm grains in a coa- | | | | | |
| | | | | rse QZ-FP groundmass. | | | | | |
| | | | | 127.0-127.5 spodumene is altered to yellowish | | | | | |
| | | | | fine grained mica. | | | | | |
| | | | | 127.3-128.34 white fine grained PG with dark | | | | | |
| | | | | grey FP patches and <1cm spodumene grains. | | | | | |
| | | | | Overall 15% spodumene. | | | | | |
| | | | | Lower contact at 70 to CA; the metasediment | | | | | |
| | | | | at the contact is very micaceous for about 10cm. | | | | | |
| | | | | | | | | | |
| **128.34** | **130.97** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium to dark grey, fine grained, massive meta | | | | | |
| | | | | sediment with crenulation folding from 130.0 to | | | | | |
| | | | | 130.5; 130.5 to 130.95 fine sillimanite and | | | | | |
| | | | | a subhedral 2-3mm light grey mineral near the | | | | | |
| | | | | pegmatite contact. | | | | | |
| | | | | | | | | | |
| **130.97** | **148.47** | 17.50 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White with dark grey sections, coarse to very | **833** | 130.97 | 131.97 | 1.00 | 0.07 |
| | | | | coarse PG-SP-FP-MV-QZ pegmatite. | **834** | 131.97 | 133.47 | 1.50 | 0.95 |
| | | | | Upper contact at 30 to CA. | **835** | 133.47 | 134.97 | 1.50 | 1.65 |
| | | | | 130.97-132.6 fine grained, sugary textured PG | **836** | 134.97 | 136.47 | 1.50 | 0.44 |
| | | | | plus MV, banded at 30 to CA. | **837** | 136.47 | 137.97 | 1.50 | 0.92 |
| | | | | 132.6-147.8 very coarse SP-QZ-MV-FP up to | **838** | 137.97 | 139.47 | 1.50 | 2.03 |
| | | | | 6cm long crystals of MV, 5-10cm semi-massive | **839** | 139.47 | 140.97 | 1.50 | 1.29 |
| | | | | SP sections, white to pale green; overall 20-25% | **840** | 140.97 | 142.47 | 1.50 | 1.46 |
| | | | | spodumene. | **841** | 142.47 | 143.97 | 1.50 | 1.51 |
| | | | | 140.1-140.3 semi-massive spodumene; | **842** | 143.97 | 145.47 | 1.50 | 2.95 |
| | | | | 144.5-145.2 semi-massive spodumene section; | **843** | 145.47 | 146.47 | 1.00 | 2.56 |
| | | | | 145.2-146.75 massive quartz with 2-3 5cm sec- | **968** | DUPLICATE | | | 2.14 |
| | | | | tions of massive SP. | **844** | 146.47 | 147.47 | 1.00 | 0.09 |
| | | | | 146.75-147.4 dark grey to black, coarse FP. | **845** | 147.47 | 148.47 | 1.00 | 0.04 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 147.8-148.47 fine grained, sugary textured PG- | | | | | |
| | | | | MV. | | | | | |
| | | | | Lower contact at 20 to CA. | | | | | |
| | | | | | | | | | |
| **148.47** | **156.20** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Grey, fine grained FP-QZ-BO massive to weakly | | | | | |
| | | | | foliated; foliation subparallel to CA. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | **156.20m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 3.46%/5.66m | 50.82 | 56.48 |
| 1.99%/ 12.00m | 80.08 | 92.08 |
| 1.25%/2.00m | 94.55 | 96.55 |
| 1.84%/4.37m | 122.97 | 127.34 |
| 1.53%/14.50m | 131.97 | 146.47 |

LITHIUM ONE INC.
Property : James Bay Lithium

| | | | | | |
|---|---|---|---|---|---|
| DDH # : | **JBL09-47** | Start : | 9-Aug-09 | Drilled by : | Chibougamau |
| Azimuth : | 160° | LOCATION UTM | End : 9-Aug-09 | | Diamond Drilling |
| Dip: | -75° | 357226 mE | | Logged by : | A.Peshkepia |
| Elevation: | 208m | 5789861 mN | | **Verified by: AJMc** | on August 10th, 2009 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **2.20** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **2.20** | **45.45** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey to bluish-grey, fine grained, | | | | | |
| | | | | massive FP-QZ-BO, weak foliation subparallel | | | | | |
| | | | | to CA; cut by several thin micaceous pegmatite | | | | | |
| | | | | dykes subparallel to CA. | | | | | |
| | | | | 8.0-8.2; massive quartz vein; | | | | | |
| | | | | 10.7-11.5 white, fine to medium grained MV-PG | | | | | |
| | | | | pegmatite dyke, broken core at upper contact, | | | | | |
| | | | | lower contact at 30 to CA; no visible SP. | | | | | |
| | | | | 12.9-13.2 quartz vein subparallel to CA. | | | | | |
| | | | | 18.37-18.62 PG-FP-MV pegmatite, medium | | | | | |
| | | | | grained, milky white at 60 to CA. | | | | | |
| | | | | 20.14-20.54; white, fine to medium grained PG- | | | | | |
| | | | | QZ-MV pegmatite dyke at 50 to CA, no visible SP. | | | | | |
| | | | | 25.95-27.15; fine grained, micaceous PG-MV-QZ | | | | | |
| | | | | pegmatite subparallel to CA. | | | | | |
| | | | | 42.6-42.8 PG-QZ-MV fine grained pegmatite at | | | | | |
| | | | | 15 to CA. | | | | | |
| | | | | | | | | | |
| **45.45** | **60.85** | 15.40 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse PG-QZ-FP-SP-MV pegmatite; | **846** | 45.45 | 46.45 | 1.00 | 0.06 |
| | | | | upper contact at 30 to CA. | **847** | 46.45 | 47.95 | 1.50 | 0.12 |
| | | | | 45.45-47.8 fine grained MV plus milky white PG, | **848** | 47.95 | 49.45 | 1.50 | 1.63 |
| | | | | no spodumene; | **849** | 49.45 | 50.95 | 1.50 | 1.50 |
| | | | | 47.8-58.2 coarse grained PG-QZ-QZ-SP-MV | **850** | 50.95 | 52.45 | 1.50 | 1.76 |
| | | | | 20-25% spodumene as 1-4cm subhedral crystals | **851** | 52.45 | 53.95 | 1.50 | 1.28 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | cut perpendicular to C axis; pale green to white | **852** | 53.95 | 55.45 | 1.50 | 1.69 |
| | | | | minor serpentine alteration at 48.1-48.3m. | **853** | 55.45 | 56.95 | 1.50 | 2.28 |
| | | | | very coarse spodumene from 55.7 to 56.0. | **854** | 56.95 | 58.45 | 1.50 | 1.66 |
| | | | | 58.2-60.2 fine grained white sugary textured PG | **855** | STANDARD-LOW | | | 0.85 |
| | | | | 60.3-60.85 dark grey FP plus quartz and coarse | **856** | 58.45 | 59.85 | 1.40 | 0.91 |
| | | | | muscovite. | **857** | 59.85 | 60.85 | 1.00 | 0.06 |
| | | | | Lower contact at 60 to CA. | | | | | |
| | | | | | | | | | |
| **60.85** | **83.90** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 2.2 to 45.45;weak foliation at 35 to CA. | | | | | |
| | | | | 69.6-69.93 massive quartz vein at 50 to CA. | | | | | |
| | | | | 76.15-76.42 white, fine to medium grained | | | | | |
| | | | | pegmatite PG-FP-QZ-MV at 35 to CA; no visible | | | | | |
| | | | | spodumene. | | | | | |
| | | | | 77.53-77.9; sugary textured PG-MV-QZ pegma | | | | | |
| | | | | tite dyke; upper contact 50 to CA; lower con- | | | | | |
| | | | | tact at 45 to CA; no visible spodumene. | | | | | |
| | | | | | | | | | |
| **83.90** | **137.06** | 53.16 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White with light grey section, coarse with very | **858** | 83.90 | 84.90 | 1.00 | 0.73 |
| | | | | coarse sections PG-FP-SP-QZ-MV-PH pegmatite; | **859** | 84.90 | 86.40 | 1.50 | 0.91 |
| | | | | upper contact at 50 to CA; fine grained musco- | **860** | 86.40 | 87.90 | 1.50 | 1.20 |
| | | | | vite near the upper contact. The pegmatite is | **861** | 87.90 | 89.40 | 1.50 | 1.45 |
| | | | | finner grained from the upper contact down to | **862** | 89.40 | 90.90 | 1.50 | 2.91 |
| | | | | 87.5m with few isolated spodumene crystals | **863** | 90.90 | 92.40 | 1.50 | 0.74 |
| | | | | in a predominantly FP-PG groundmass. | **864** | 92.40 | 93.90 | 1.50 | 2.86 |
| | | | | 87.5-127.0; coarse to very coarse FP-SP-MV- | **865** | BLANK | | | <100 ppm |
| | | | | PG-QZ with short 10-15cm thick massive spodu- | **866** | 93.90 | 95.40 | 1.50 | 1.73 |
| | | | | mene sections from 88.0-91.0; | **867** | 95.40 | 96.90 | 1.50 | 2.04 |
| | | | | 91.5-104.5 coarse feldspar and phlogopite with | **868** | 96.90 | 98.40 | 1.50 | 1.45 |
| | | | | coarse spodumene. | **869** | 98.40 | 99.90 | 1.50 | 2.73 |
| | | | | 4cm subhedral to euhedral white berile crystal | **870** | 99.90 | 101.40 | 1.50 | 0.46 |
| | | | | at 102.05m; a second subhedral, white 6cm | **871** | 101.40 | 102.90 | 1.50 | 1.01 |
| | | | | across berile crystal is located at 106.4m. | **872** | 102.90 | 104.40 | 1.50 | 2.20 |
| | | | | common large spodumene crystals 6-10cm | **873** | 104.40 | 105.90 | 1.50 | 2.01 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | in semi-massive sections down to 126.5m. | **874** | 105.90 | 107.40 | 1.50 | 3.10 |
| | | | | Smaller spodumene crystals <2cm across from | **875** | STANDARD-HIGH | | | 1.40 |
| | | | | 126.0 to 133.0m in a dark grey FP groundmass. | **876** | 107.40 | 108.90 | 1.50 | 1.17 |
| | | | | dark grey feldspar plus milky white PG from 136 | **877** | 108.90 | 110.40 | 1.50 | 1.35 |
| | | | | to 137m. | **878** | 110.40 | 111.90 | 1.50 | 1.63 |
| | | | | Overall this pegmatite contains 25-30% spodu- | **879** | 111.90 | 113.40 | 1.50 | 2.56 |
| | | | | mene. | **880** | 113.40 | 114.90 | 1.50 | 0.45 |
| | | | | Lower contact at 35 to CA. | **881** | 114.90 | 116.40 | 1.50 | 1.72 |
| | | | | | **882** | 116.40 | 117.90 | 1.50 | 1.80 |
| | | | | | **883** | 117.90 | 119.40 | 1.50 | 1.15 |
| | | | | | **884** | 119.40 | 120.90 | 1.50 | 2.60 |
| | | | | | **885** | 120.90 | 122.40 | 1.50 | 1.83 |
| | | | | | **969** | DUPLICATE | | | 1.60 |
| | | | | | **886** | 122.40 | 123.90 | 1.50 | 1.85 |
| | | | | | **887** | 123.90 | 125.40 | 1.50 | 1.23 |
| | | | | | **888** | 125.40 | 126.90 | 1.50 | 2.67 |
| | | | | | **889** | 126.90 | 128.40 | 1.50 | 0.57 |
| | | | | | **890** | 128.40 | 129.90 | 1.50 | 1.18 |
| | | | | | **891** | 129.90 | 131.40 | 1.50 | 1.40 |
| | | | | | **892** | 131.40 | 132.90 | 1.50 | 2.00 |
| | | | | | **893** | 132.90 | 134.40 | 1.50 | 2.88 |
| | | | | | **894** | 134.40 | 136.06 | 1.66 | 0.04 |
| | | | | | **895** | STANDARD-HIGH | | | 1.32 |
| | | | | | **896** | 136.06 | 137.06 | 1.00 | 0.04 |
| | | | | | | | | | |
| **137.06** | **144.30** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained, massive FP-QZ-BO | | | | | |
| | | | | metasediment; weak foliation subparallel to CA; | | | | | |
| | | | | very micaceous for about 15cm near the contact | | | | | |
| | | | | with pegmatite. | | | | | |
| | | | | | | | | | |
| | | | | **144.30m E.O.H.** | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.59%/11.90m | 47.95 | 59.85 |
| 1.72%/49.50m | 84.90 | 134.40 |

LITHIUM ONE INC.
Property : James Bay-Lithium

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DDH # : | **JBL09-48** | | Start : | 9-Aug-09 | Drilled by : | | Chibougamau |
| Azimuth : | 160° | LOCATION UTM | End : | 11-Aug-09 | | | Diamond Drilling |
| Dip: | -45° | 357226 mE | | | Logged by : | | A.Peshkepia |
| Elevation: | 208m | 5789861 mN | | | **Verified by:** | **AJMc** | on August 11th, 2009 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **3.30** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **3.30** | **18.42** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained FP-QZ-BO metasedi- | | | | | |
| | | | | ment with weak foliation at 45 to CA. Two thin | | | | | |
| | | | | pegmatite dykes intersected at: | | | | | |
| | | | | 7.56-8.11; 0.55m white, medium grained PG-FP- | **897** | 7.56 | 8.11 | 0.55 | 0.04 |
| | | | | MV-QZ pegmatite, trace spodumene, fine grained | | | | | |
| | | | | MV near both contacts for few centimentes. | | | | | |
| | | | | Both contacts at 50 to CA. | | | | | |
| | | | | 10.30-10.95; 0.65m coarse, white PG-QZ-SP | **898** | 10.30 | 10.95 | 0.65 | 0.90 |
| | | | | pegmatite dyke; large 5-6cm spodumene crystal | | | | | |
| | | | | at the center of dyke; ~5% SP overall; 2cm | | | | | |
| | | | | greyish-white clevelandite; trace apatite; fine | | | | | |
| | | | | grained MV for about 3cm at both contacts. | | | | | |
| | | | | Both contacts at 65 to CA. | | | | | |
| | | | | | | | | | |
| **18.42** | **37.47** | 19.05 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse grained, with short grey sections, | **899** | 18.42 | 19.42 | 1.00 | 0.13 |
| | | | | PG-SP-FP-QZ-PH-MV pegmatite; | **900** | 19.42 | 20.92 | 1.50 | 0.98 |
| | | | | upper contact at 50 to CA. Dark grey FP for | **1001** | 20.92 | 22.42 | 1.50 | 2.20 |
| | | | | about 30cm near upper contact; 15cm metasedi- | **1002** | BLANK | | | <100 ppm |
| | | | | ment xenolith at 19.0m. | **1003** | 22.42 | 23.92 | 1.50 | 0.97 |
| | | | | Fine grained, white, sugary textured PG from | **1004** | 23.92 | 25.42 | 1.50 | 1.49 |
| | | | | 19.5 to 20.0m; | **1005** | 25.42 | 26.92 | 1.50 | 2.56 |
| | | | | 20.0-35.6 coarse PG-QZ-SP-FP-PH, few small | **1006** | 26.92 | 28.42 | 1.50 | 1.20 |
| | | | | aggregates of apatite at 22.0, 24.0, 25.0 and | **1007** | 28.42 | 29.92 | 1.50 | 1.89 |
| | | | | 27.0; | **1008** | 29.92 | 31.42 | 1.50 | 2.04 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | coarse spodumene up to 5cm crystals from | **1009** | 31.42 | 32.92 | 1.50 | 1.26 |
| | | | | 21.0 to 31.0m | **1010** | 32.92 | 34.42 | 1.50 | 1.81 |
| | | | | 31.0-35.1; smaller spodumene grains <3cm; | **1011** | 34.42 | 35.47 | 1.05 | 1.04 |
| | | | | 28.9-29.8 dark grey massive feldspar; | **1012** | STANDARD-HIGH | | | 1.37 |
| | | | | Coarse honey coloured phlogopite from 26.1 to | **1013** | 35.47 | 36.47 | 1.00 | 0.94 |
| | | | | 27.5m. | **1014** | 36.47 | 37.47 | 1.00 | 0.06 |
| | | | | 35.1-37.47 fine grained, sugary textured plagio- | | | | | |
| | | | | clase and quartz with minor fine grained musco- | | | | | |
| | | | | vite. | | | | | |
| | | | | Broken core at lower contact. | | | | | |
| | | | | | | | | | |
| **37.47** | **81.00** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained, massive FP-QZ-BO | | | | | |
| | | | | metasediment; moderate foliation at 45 to CA. | | | | | |
| | | | | 41.5-41.85 0.35m medium grained, white PG-QZ | | | | | |
| | | | | FP-MV pegmatite dyke; no visible spodumene; | | | | | |
| | | | | Upper contact at 70 to CA; lower contact at 60 | | | | | |
| | | | | to CA | | | | | |
| | | | | 46.0-53.0 large, up to 2cm across, subrounded | | | | | |
| | | | | dark green, altered andalusite porphyroblasts ; | | | | | |
| | | | | 64.0-66.4 white 0.5-2cm andalusite porphyro- | | | | | |
| | | | | blasts; from 72.0 to 75.5m andalusite porphyro- | | | | | |
| | | | | blasts are altered to dark green colour. | | | | | |
| | | | | | | | | | |
| | | | | **81.00m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.56%/17.05m | 19.42 | 36.47 |

LITHIUM ONE INC.

Property : James Bay Lithium

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DDH # : | **JBL09-49** | | Start : | 11-Aug-09 | Drilled by : | | Chibougamau |
| Azimuth : | 160° | LOCATION UTM | End : | 11-Aug-09 | | | Diamond Drilling |
| Dip: | -75° | 357186 mE | | | Logged by : | | A.Peshkepia |
| Elevation: | 205m | 5789833 mN | | | **Verified by:** | **AJMc** | on 11 August, 2009 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **2.20** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **2.20** | **26.27** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained, massive to weakly | | | | | |
| | | | | foliated FP-QZ-BO metasediment; foliation sub- | | | | | |
| | | | | parallel to CA at 10 degrees to CA. | | | | | |
| | | | | Thin 10-20cm pegmatite dykes at low angle to | | | | | |
| | | | | CA. | | | | | |
| | | | | 15.7-15.8; 10cm PG-MV white, fine grained peg- | | | | | |
| | | | | matite dyke at 20 to CA; | | | | | |
| | | | | 18.85-19.20; 0.35m white fine grained, PG-MV- | | | | | |
| | | | | QZ pegmatite dyke at 15 to CA, no visible SP; | | | | | |
| | | | | 22.14-22.55; white fine grained PG-MV pegmati- | | | | | |
| | | | | te dyke; upper contact at 40 to CA; lower con- | | | | | |
| | | | | tact subparallel to CA. | | | | | |
| | | | | 24.4-24.71; fine grained, PG-MV pegmatite dyke | | | | | |
| | | | | upper contact at 50 to CA; lower contact at 25 | | | | | |
| | | | | to CA. | | | | | |
| | | | | From 20 to 24m foliation changes to 50 to CA. | | | | | |
| | | | | | | | | | |
| **26.27** | **44.77** | 18.50 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse PG-FP-SP-PH+/-AP pegmatite; | **1015** | 26.27 | 27.27 | 1.00 | 0.03 |
| | | | | upper contact at 30 to CA. | **1016** | 27.27 | 28.77 | 1.50 | 0.03 |
| | | | | From 26.27 to 28.9 white, fine grained PG, minor | **1017** | 28.77 | 30.27 | 1.50 | 2.52 |
| | | | | quartz and phlogopite; | **1018** | 30.27 | 31.77 | 1.50 | 2.30 |
| | | | | 28.9-44.3 coarse FP-SP-QZ-PH; 15-20% spodu- | **1019** | 31.77 | 33.27 | 1.50 | 1.80 |
| | | | | mene as relatively small crystals, few short <10 | **1020** | 33.27 | 34.77 | 1.50 | 2.26 |
| | | | | cm sections of massive to semi-massive spodu- | **1021** | 34.77 | 36.27 | 1.50 | 1.49 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | mene from 29.4 to 30.3m. | **1022** | 36.27 | 37.77 | 1.50 | 1.70 |
| | | | | Apatite grains up to 1cm across subhedral dark | **970** | DUPLICATE | | | 1.80 |
| | | | | green from 33.10 to 34.0m. | **1023** | 37.77 | 39.27 | 1.50 | 1.21 |
| | | | | Large, up to 6cm white subhedral crystal of pos- | **1024** | 39.27 | 40.77 | 1.50 | 1.10 |
| | | | | sible beril and blue stainning along the edge of a | **1025** | 40.77 | 42.27 | 1.50 | 0.63 |
| | | | | quartz vein at 34.5m. | **1026** | 42.27 | 43.77 | 1.50 | 0.03 |
| | | | | 39.0-44.3 mainly massive FP with minor SP and | **1027** | 43.77 | 44.77 | 1.00 | 0.02 |
| | | | | fine grained PH. | | | | | |
| | | | | 44.3-44.77 fine grained, sugary textured PG with | | | | | |
| | | | | fine grained MV in the last 20cm near the lower | | | | | |
| | | | | contact. Lower contact at 60 to CA. | | | | | |
| | | | | | | | | | |
| **44.77** | **132.00** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained FP-QZ-BO metasedi- | | | | | |
| | | | | ment; weak foliation at 40 to CA in the upper | | | | | |
| | | | | part of this unit; from 53.0m down foliation | | | | | |
| | | | | changes to subparallel to CA. Several <1cm thick | | | | | |
| | | | | quartz veins parallel to foliation; | | | | | |
| | | | | 73.8-80.3 andalusite porphyroblasts 5-20mm | | | | | |
| | | | | across; | | | | | |
| | | | | From 100.0 to 105.0 fine 1-2mm garnets; | | | | | |
| | | | | 101.2-112.2 andalusite porphyroblasts, white | | | | | |
| | | | | up 1cm in size; Foliation subparallel to CA. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | **132.00m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.80%/12.0m | 28.77 | 40.77 |

LITHIUM ONE INC.

Property : James Bay Lithium

DDH # : **JBL09-49** Start : _____11-Aug-09_____ Drilled by : Chibougamau Diamond Drilling

Azimuth : 160° LOCATION UTM End : _____11-Aug-09_____

Dip: -75° 357186 mE Logged by : A.Peshkepia

Elevation: 205m 5789833 mN **Verified by: AJMc** on 11 August, 2009

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **2.20** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **2.20** | **26.27** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained, massive to weakly | | | | | |
| | | | | foliated FP-QZ-BO metasediment; foliation sub- | | | | | |
| | | | | parallel to CA at 10 degrees to CA. | | | | | |
| | | | | Thin 10-20cm pegmatite dykes at low angle to | | | | | |
| | | | | CA. | | | | | |
| | | | | 15.7-15.8; 10cm PG-MV white, fine grained peg- | | | | | |
| | | | | matite dyke at 20 to CA; | | | | | |
| | | | | 18.85-19.20; 0.35m white fine grained, PG-MV- | | | | | |
| | | | | QZ pegmatite dyke at 15 to CA, no visible SP; | | | | | |
| | | | | 22.14-22.55; white fine grained PG-MV pegmati- | | | | | |
| | | | | te dyke; upper contact at 40 to CA; lower con- | | | | | |
| | | | | tact subparallel to CA. | | | | | |
| | | | | 24.4-24.71; fine grained, PG-MV pegmatite dyke | | | | | |
| | | | | upper contact at 50 to CA; lower contact at 25 | | | | | |
| | | | | to CA. | | | | | |
| | | | | From 20 to 24m foliation changes to 50 to CA. | | | | | |
| | | | | | | | | | |
| **26.27** | **44.77** | 18.50 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White, coarse PG-FP-SP-PH+/-AP pegmatite; | **1015** | 26.27 | 27.27 | 1.00 | 0.03 |
| | | | | upper contact at 30 to CA. | **1016** | 27.27 | 28.77 | 1.50 | 0.03 |
| | | | | From 26.27 to 28.9 white, fine grained PG, minor | **1017** | 28.77 | 30.27 | 1.50 | 2.52 |
| | | | | quartz and phlogopite; | **1018** | 30.27 | 31.77 | 1.50 | 2.30 |
| | | | | 28.9-44.3 coarse FP-SP-QZ-PH; 15-20% spodu- | **1019** | 31.77 | 33.27 | 1.50 | 1.80 |
| | | | | mene as relatively small crystals, few short <10 | **1020** | 33.27 | 34.77 | 1.50 | 2.26 |
| | | | | cm sections of massive to semi-massive spodu- | **1021** | 34.77 | 36.27 | 1.50 | 1.49 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | mene from 29.4 to 30.3m. | **1022** | 36.27 | 37.77 | 1.50 | 1.70 | |
| | | | | Apatite grains up to 1cm across subhedral dark | **970** | DUPLICATE | | | 1.80 | |
| | | | | green from 33.10 to 34.0m. | **1023** | 37.77 | 39.27 | 1.50 | 1.21 | |
| | | | | Large, up to 6cm white subhedral crystal of pos- | **1024** | 39.27 | 40.77 | 1.50 | 1.10 | 1.80%/12.0m |
| | | | | sible beril and blue stainning along the edge of a | **1025** | 40.77 | 42.27 | 1.50 | 0.63 | |
| | | | | quartz vein at 34.5m. | **1026** | 42.27 | 43.77 | 1.50 | 0.03 | |
| | | | | 39.0-44.3 mainly massive FP with minor SP and | **1027** | 43.77 | 44.77 | 1.00 | 0.02 | |
| | | | | fine grained PH. | | | | | | |
| | | | | 44.3-44.77 fine grained, sugary textured PG with | | | | | | |
| | | | | fine grained MV in the last 20cm near the lower | | | | | | |
| | | | | contact. Lower contact at 60 to CA. | | | | | | |
| | | | | | | | | | | |
| **44.77** | **132.00** | | **M1** | **METASEDIMENT** | | | | | | |
| | | | | Medium grey, fine grained FP-QZ-BO metasedi- | | | | | | |
| | | | | ment; weak foliation at 40 to CA in the upper | | | | | | |
| | | | | part of this unit; from 53.0m down foliation | | | | | | |
| | | | | changes to subparallel to CA. Several <1cm thick | | | | | | |
| | | | | quartz veins parallel to foliation; | | | | | | |
| | | | | 73.8-80.3 andalusite porphyroblasts 5-20mm | | | | | | |
| | | | | across; | | | | | | |
| | | | | From 100.0 to 105.0 fine 1-2mm garnets; | | | | | | |
| | | | | 101.2-112.2 andalusite porphyroblasts, white | | | | | | |
| | | | | up 1cm in size; Foliation subparallel to CA. | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | **132.00m E.O.H.** | | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.80%/12.0m | 28.77 | 40.77 |

3.78
3.45
2.70
3.39
2.24

| | | | |
|---|---|---|---|
| | | | 2.63 |
| | | | 1.81 |
| 28.77 | 40.77 | 12.00 | 1.65 |
| | | | 1.80 |

LITHIUM ONE INC.
Property : James Bay Lithium

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DDH # : | **JBL09-50** | | Start : | 11-Aug-09 | Drilled by : | | Chibougamau |
| Azimuth : | 160° | LOCATION UTM | End : | 12-Aug-09 | | | Diamond Drilling |
| Dip: | -45° | 357420 mE | | | Logged by : | | A.Peshkepia |
| Elevation: | 203m | 5789936 mN | | | **Verified by:** | **AJMc** | on August 12th, 2009 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **4.00** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **4.00** | **4.70** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained, massive FP-QZ-BO, | | | | | |
| | | | | micaceous near contact with pegmatite; | | | | | |
| | | | | grounded core. | | | | | |
| | | | | | | | | | |
| **4.70** | **10.50** | 5.80 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse grained, white with dark grey patches | **1028** | 4.70 | 5.70 | 1.0 | <100 ppm |
| | | | | PG-FP-QZ-SP-PH-MV pegmatite. | **1029** | 5.70 | 7.30 | 1.6 | 0.31 |
| | | | | Fine grained, milky white PG from 4.7 to 6.0; | **1030** | 7.30 | 8.50 | 1.2 | 0.10 |
| | | | | dark grey feldspar from 6.0 to 6.9m. | **1031** | 8.50 | 9.50 | 1.0 | 0.11 |
| | | | | 6.9-8.3; massive quartz, one large spodumene | **1032** | STANDARD-HIGH | | | 1.21 |
| | | | | crystal from 7.1 to 7.3m; broken core from 7.3 | **1033** | 9.50 | 10.50 | 1.0 | 0.01 |
| | | | | to 8.1m. | | | | | |
| | | | | 8.8-9.0; coarse spodumene altered to fine grai- | | | | | |
| | | | | ned yellowish mica; | | | | | |
| | | | | 10.1-10.5 fine grained, sugary textured PG+MV | | | | | |
| | | | | overall this dyke contains 5-10% spodumene. | | | | | |
| | | | | Broken core at upper contact; lower contact at | | | | | |
| | | | | 60 to CA. | | | | | |
| | | | | | | | | | |
| **10.50** | **25.13** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Grey, fine grained, massive to weakly foliated | | | | | |
| | | | | FP-QZ-BO metasediment, foliation at 55 to CA. | | | | | |
| | | | | | | | | | |
| **25.13** | **26.30** | 1.17 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, dark grey, QZ-FP+/-SP+/-MV pegmatite | **1034** | 25.13 | 26.30 | 1.17 | 0.01 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | upper contact at 35 to CA; fine grained, yellow- | | | | | |
| | | | | ish muscovite plus dark grey feldspar near the | | | | | |
| | | | | upper contact. Massive smoky grey QZ from | | | | | |
| | | | | 25.4 to 26.0; one yellowish-white altered spodu- | | | | | |
| | | | | mene crystal 6cm across at 25.5m. | | | | | |
| | | | | 26.0-26.30; dark grey feldspar, fine grained MV. | | | | | |
| | | | | Broken core at lower contact. | | | | | |
| | | | | | | | | | |
| **26.30** | **35.55** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 10.50 to 25.13. | | | | | |
| | | | | Broken core from 26.3 to 27.50; dense fracturing | | | | | |
| | | | | zone. | | | | | |
| | | | | | | | | | |
| **35.55** | **52.57** | 17.02 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, white to light grey with black FPsections | **1035** | 35.55 | 36.55 | 1.00 | 0.48 |
| | | | | PG-FP-SP-QZ-MV pegmatite. | **1036** | 36.55 | 38.05 | 1.50 | 1.83 |
| | | | | Upper contact at 40 to CA. Fine grained musco- | **1037** | 38.05 | 39.55 | 1.50 | 0.94 |
| | | | | vite for about 20cm near the upper contact; | **1038** | 39.55 | 41.05 | 1.50 | 1.55 |
| | | | | altered spodumene from upper contact to 36.5 | **1039** | 41.05 | 42.55 | 1.50 | 0.86 |
| | | | | 36.5-36.95; semi-massive spodumene pale green | **1040** | 42.55 | 44.05 | 1.50 | 1.24 |
| | | | | 20-25% spodumene as <4cm crystals in dark | **1041** | 44.05 | 45.55 | 1.50 | 1.49 |
| | | | | gray FP and quartz matrix; | **1042** | 45.55 | 47.05 | 1.50 | 1.66 |
| | | | | 39.2-39.67 metasediment xenolith M1, fine gra- | **1043** | BLANK | | | <100 ppm |
| | | | | ined dark grey, massive micaceous, contacts | **1044** | 47.05 | 48.55 | 1.50 | 1.43 |
| | | | | at 65 to CA. Coarse muscovite at 42.8m. | **1045** | 48.55 | 50.05 | 1.50 | 1.96 |
| | | | | Black feldsapr plus QZ from 41.8 to 43.0m. | **1046** | 50.05 | 51.57 | 1.52 | 1.71 |
| | | | | Lower contact at 55 to CA. | **1047** | 51.57 | 52.57 | 1.00 | 1.64 |
| | | | | | | | | | |
| **52.57** | **54.43** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, dark grey, moderate foliation sub- | | | | | |
| | | | | parallel to CA. | | | | | |
| | | | | | | | | | |
| **54.53** | **55.56** | 1.03 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Medium to coarse grained, white with black FP | **1048** | 54.43 | 55.56 | 1.13 | 0.79 |
| | | | | patches, PG-FP-QZ-MV-SP pegmatite. | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 10% spodumene as pale green small <2cm cryst- | | | | | |
| | | | | als. Fine grained PG+MV for about 25cm near | | | | | |
| | | | | lower contact. | | | | | |
| | | | | Upper contact at 50 to CA; lower contact at | | | | | |
| | | | | 55 to CA. | | | | | |
| | | | | | | | | | |
| **55.56** | **68.85** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Medium grey, fine grained with moderate foliation | | | | | |
| | | | | at 35 to 45 to CA, FS-QZ-BO metasediment; | | | | | |
| | | | | several thin <50cm pegmatite dykes intersect | | | | | |
| | | | | this unit at various depths. Dykes are white | | | | | |
| | | | | fine grained, sugary textured PG-MV-QZ. | | | | | |
| | | | | 56.23-56.32; 9cm pegmatite dyke at 60 to CA; | | | | | |
| | | | | 58.44-58.59; 15cm pegmatite dyke at 50 to CA; | | | | | |
| | | | | 61.9-62.10; 20cm pegmatite dyke; upper cont- | | | | | |
| | | | | act at 40; lower contact at 65 to CA. | | | | | |
| | | | | 65.45-65.95; 0.5m white to greyish-white, med- | **1049** | 65.45 | 65.95 | 0.50 | 0.02 |
| | | | | ium to fine grained PG-FP-MV-QZ pegmatite | | | | | |
| | | | | dyke with trace spodumene; weak banding at 50 | | | | | |
| | | | | to CA. Upper contact at 5 to CA; lower contact | | | | | |
| | | | | at 70 to CA. | | | | | |
| | | | | | | | | | |
| **68.85** | **70.75** | 1.90 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, white with grey patches PG-FP-SP-QZ, | **1050** | 68.85 | 69.85 | 1.00 | 1.46 |
| | | | | minor MV pegmatite dyke. | **1051** | 69.85 | 70.75 | 0.90 | 2.00 |
| | | | | Upper contact at 35 to CA; fine grained white | | | | | |
| | | | | PG for about 35 cm near upper contact; | | | | | |
| | | | | coarse to very coarse SP-QZ-FP from 69.3 to | | | | | |
| | | | | 70.75m. 30% spodumene as pale green to white | | | | | |
| | | | | 5-10cm crystals. Trace apatite, coarse phlogo- | | | | | |
| | | | | pite at 69.3m. | | | | | |
| | | | | Lower contact at 55 to CA. | | | | | |
| | | | | | | | | | |
| **70.75** | **81.00** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Same as 55.56 to 68.85m. Foliation at 50 to CA. | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | **81.00m E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.48%/16.02m | 36.55 | 52.57 |
| 1.72/1.90m | 68.85 | 70.75 |

LITHIUM ONE INC.
Property : James Bay Lithium

| | | | | | |
|---|---|---|---|---|---|
| DDH # : | **JBL09-51** | Start : | 12-Aug-09 | Drilled by : | Chibougamau Diamond Drilling |
| Azimuth : | 160° | LOCATION UTM | End : 13-Aug-09 | | |
| Dip: | -75° | 357420 mE | | Logged by : | A.Peshkepia |
| Elevation: | 204m | 5789935 mN | | **Verified by:** **AJMc** | on August 13th,2009 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **0.00** | **2.80** | | | **OVERBURDEN** | | | | | |
| | | | | | | | | | |
| **2.80** | **9.19** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Grey, fine grained FP-QZ-BO metasediment; | | | | | |
| | | | | moderate foliation at 30 to CA. | | | | | |
| | | | | | | | | | |
| **9.19** | **12.87** | 3.68 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White to greyish-white, coarse PG-FP-QZ-SP-MV | **1052** | 9.19 | 10.19 | 1.00 | 0.02 |
| | | | | pegmatite with ~5% spodumene altered to yello- | **1053** | STANDARD-LOW | | | 0.77 |
| | | | | wish fine grained mica. | **1054** | 10.19 | 11.87 | 1.68 | 0.05 |
| | | | | Upper contact at 30 to CA; fine grained, sugary | **1055** | 11.87 | 12.87 | 1.00 | 0.10 |
| | | | | plagioclase plus fine grained muscovite for | | | | | |
| | | | | about 30cm at upper contact. | | | | | |
| | | | | At 11.4m a black euhedral rombic 5-10mm meta- | | | | | |
| | | | | lic mineral, dark brown streak. | | | | | |
| | | | | 11.5-11.9 fine grained sugary plagioclase; from | | | | | |
| | | | | 12.0 toi 12.5 coarse phlogopite, minor clevelan- | | | | | |
| | | | | dite. | | | | | |
| | | | | Lower contact at 30 to CA. | | | | | |
| | | | | | | | | | |
| **12.87** | **33.55** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey FP-QZ-BO, moderate foliation | | | | | |
| | | | | subparallel to CA. Fine grained mica near pegma- | | | | | |
| | | | | tite contact. | | | | | |
| | | | | 16.60-17.35 massive quartz vein with fine grai- | | | | | |
| | | | | ned muscovite from 17.2 to 17.35m. | | | | | |
| | | | | Both contacts at 30 to CA. | | | | | |
| | | | | | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| **33.55** | **76.36** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Medium to dark grey, well banded FP-QZ-BO | | | | | |
| | | | | paragneiss; locally migmatized sections; strong | | | | | |
| | | | | foliation at 10 to 25 to 40 to CA. | | | | | |
| | | | | 61.5-64.0 thin 2-3cm quartz veins subparallel to | | | | | |
| | | | | CA. Strongly deformed unit. | | | | | |
| | | | | | | | | | |
| **76.36** | **82.15** | 5.79 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coare grained, white to greyish-white PG-FP-QZ | **1056** | 76.36 | 77.36 | 1.00 | 0.02 |
| | | | | SP-MV pegmatite; upper contact at 40 to CA. | **1057** | 77.36 | 78.86 | 1.50 | 0.10 |
| | | | | 76.36-77.0 milky white fine grained plagioclase | **1058** | 78.86 | 80.36 | 1.50 | 1.20 |
| | | | | plus coarse yellow muscovite. | **1059** | 80.36 | 81.15 | 0.79 | 1.31 |
| | | | | 78.36 5cm metasediment xenolith; | **1060** | 81.15 | 82.15 | 1.00 | 0.42 |
| | | | | 78.6-78.86 26cm metasediment M2 xenolith; | | | | | |
| | | | | 78.86-81.0 altered spodumene to dark green | | | | | |
| | | | | serpentine in a coarse dark grey FP, PG QZ | | | | | |
| | | | | matrix. | | | | | |
| | | | | 5-10% spodumene | | | | | |
| | | | | 81.9-82.15 fine grained plagioclase plus musco- | | | | | |
| | | | | vite. | | | | | |
| | | | | Lower contact at 35 to CA. | | | | | |
| | | | | | | | | | |
| **82.15** | **87.94** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Medium to dark grey, well banded paragneiss | | | | | |
| | | | | FP-QZ-BO, fine grained; banding at 40 to CA. | | | | | |
| | | | | Highly deformed. | | | | | |
| | | | | | | | | | |
| **87.94** | **95.36** | 7.42 | **I1G** | **PEGMATITE** | | | | | |
| | | | | Coarse, white to greyish-white PG-SP-FP-QZ-MV | **1061** | 87.94 | 88.94 | 1.00 | 0.42 |
| | | | | pegmatite; upper contact at 45 to CA. Fine grai- | **1062** | 88.94 | 90.44 | 1.50 | 1.92 |
| | | | | ned muscovite for about 10cm near upper cont- | **1063** | 90.44 | 91.94 | 1.50 | 1.50 |
| | | | | act. | **971** | DUPLICATE | | | 1.55 |
| | | | | 88.28-88.55; metasediment xenolith. | **1064** | 91.94 | 93.44 | 1.50 | 0.73 |
| | | | | 15-20% spodumene as relatively small <3cm | **1065** | 93.44 | 94.36 | 0.92 | 1.20 |
| | | | | pale green to white crystals contactrated bet- | **1066** | 94.36 | 95.36 | 1.00 | 0.05 |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | ween 89.0 and 92.3m. | | | | | |
| | | | | 92.7-93.4 milky white, fine grained sugary textu- | | | | | |
| | | | | red plagioclase; | | | | | |
| | | | | 95.0-95.36 fine graine muscovite. | | | | | |
| | | | | Lower contact at 35 to CA. | | | | | |
| | | | | | | | | | |
| **95.36** | **108.34** | | **M2** | **METASEDIMENT** | | | | | |
| | | | | Same as 82.15 to 87.94m. | | | | | |
| | | | | 107.0-107.55 fine grained, white PG-MV-QZ | **1067** | 107.00 | 107.55 | 0.55 | 0.21 |
| | | | | pegmatite dyke; no visible spodumene. | | | | | |
| | | | | Upper contact at 25 to CA; lower contact at | | | | | |
| | | | | 20 to CA. | | | | | |
| | | | | | | | | | |
| **108.34** | **114.78** | 6.44 | **I1G** | **PEGMATITE** | | | | | |
| | | | | White with grey patches, zonned pegmatite dyke | **1068** | 108.34 | 109.34 | 1.00 | 0.37 |
| | | | | PG-FP-SP-QZ-MV; fine grained sugary textured | **1069** | 109.34 | 110.84 | 1.50 | 0.91 |
| | | | | Plagioclase plus minor muscovite and quartz at | **1070** | 110.84 | 112.34 | 1.50 | 1.69 |
| | | | | both contacts for up to 1m. | **1071** | 112.34 | 113.78 | 1.44 | 1.37 |
| | | | | Coarse FP,SP,PH and QZ at the center of dyke. | **1072** | 113.78 | 114.78 | 1.00 | 0.03 |
| | | | | 5-10% spodumene; semi-massive spodumene | **1073** | STANDARD-HIGH | | | 1.40 |
| | | | | section from 112.2 to 112.5m. | | | | | |
| | | | | Upper contact at 40 to CA; lower contact at 25 | | | | | |
| | | | | to CA. | | | | | |
| | | | | | | | | | |
| **114.78** | **120.35** | | **M1** | **METASEDIMENT** | | | | | |
| | | | | Fine grained, grey, massive FP-QZ-BO metasedi- | | | | | |
| | | | | ment; pervasive fine grained mica. | | | | | |
| | | | | Thin pegmatite dykes at 115.6 to 115.78 | | | | | |
| | | | | and 116.2 to 116.36; white PG-QZ oriented | | | | | |
| | | | | at 40 to CA. | | | | | |
| | | | | 117.03-117.53 0.5m white, coarse PG-FP-QZ | **1074** | 117.03 | 117.53 | 0.50 | 0.05 |
| | | | | pegmatite dyke; no visible spodumene. Upper | | | | | |
| | | | | contact at 30 to CA; lower contact at 40 to CA. | | | | | |
| | | | | | | | | | |
| **120.35** | **134.60** | | **M2** | **METASEDIMENT** | | | | | |

LITHOLOGY

| From | To | Length (m) | Rock Code | Description | Sample # | From | To | Length (m) | $Li_2O$ (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Dark grey, fine grained well banded FP-QZ-BO | | | | | |
| | | | | paragneiss; banding oriented at 40 to CA. | | | | | |
| | | | | 121.56-121.8 massive quartz vein at 50 to CA. | | | | | |
| | | | | 121.8-122.65 massive fine grasined tourmaline | | | | | |
| | | | | section foliated subparallel to CA. | | | | | |
| | | | | 122.65-134.6 highly deformed and migmatized | | | | | |
| | | | | section; banding orientation varies from 60 to | | | | | |
| | | | | subparallel to CA at the end of hole. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | **134.60 E.O.H.** | | | | | |

**ASSAY (averages) SUMMARY**

| | from | to |
|---|---|---|
| 1.24%/2.29m | 78.86 | 81.15 |
| 1.36%/5.42 | 88.94 | 94.36 |
| 1.32%/4.44m | 109.34 | 113.78 |

# ANNEX 2 Channels

**REVISED 31OCT11**

## 2009 CHANNEL SAMPLING JAMES BAY LITHIUM

| Site | tag | from (m) | to (m) | Intercept (m) | $Li_2O$ % | at (m) | GPS E | GPS N |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |
| CS-7.20 | 1987 | 0.0 | 1.5 | 1.5 | 1.63 | 0.0 | 358908 | 5789214 |
| " | 1988 | 1.5 | 3.0 | 1.5 | 1.52 | | | |
| " | 1989 | 3.0 | 4.5 | 1.5 | 1.91 | | | |
| " | 1990 | 4.5 | 6.0 | 1.5 | 1.83 | | | |
| " | 1991 | 6.0 | 7.5 | 1.5 | 1.83 | | | |
| " | 1992 | 7.5 | 9.0 | 1.5 | 1.73 | 7.5 | 358903 | 5789242 |
| " | 1993 | 9.0 | 10.5 | 1.5 | 1.78 | | | |
| " | 1994 | 10.5 | 12.0 | 1.5 | 1.89 | | | |
| " | 1995 | 12.0 | 13.5 | 1.5 | 0.88 | | | |
| " | 1996 | 13.5 | 15.0 | 1.5 | 1.24 | 15.0 | 358895 | 5789221 |
| | | | | CS-7.2 | **1.62%$Li_2O$/15.0m** | | | |
| | | | | | | | | |
| CS-8.70 | 1961 | 0.0 | 1.5 | 1.5 | 1.32 | 0.0 | 358600 | 5789352 |
| " | 1962 | 1.5 | 3.0 | 1.5 | 1.89 | | | |
| " | 1963 | 3.0 | 4.5 | 1.5 | 1.49 | | | |
| " | 1964 | 4.5 | 6.0 | 1.5 | 1.72 | | | |
| " | 1965 | 6.0 | 7.5 | 1.5 | 1.99 | | | |
| " | 1966 | 7.5 | 9.0 | 1.5 | 1.68 | 7.5 | 358598 | 5789356 |
| " | 1967 | 9.0 | 10.5 | 1.5 | 1.23 | | | |
| " | 1968 | 10.5 | 12.0 | 1.5 | 2.24 | | | |
| " | 1969 | 12.0 | 13.5 | 1.5 | 1.73 | | | |
| " | 1970 | 13.5 | 15.0 | 1.5 | 1.72 | | | |
| " | 1971 | 15.0 | 16.5 | 1.5 | 1.58 | 15.0 | 358595 | 5789363 |
| " | 1972 | 16.5 | 18.0 | 1.5 | 2.65 | | | |
| " | 1973 | 18.0 | 19.5 | 1.5 | 1.30 | | | |
| " | 1974 | - | high-standard | | 1.33 | | | |
| " | 1975 | 19.5 | 21.0 | 1.5 | 1.36 | | | |
| " | 1976 | 21.0 | 22.5 | 1.5 | 1.61 | | | |
| " | 1977 | 22.5 | 24.0 | 1.5 | 1.57 | 22.5 | 358591 | 5789368 |
| " | 1978 | 24.0 | 25.5 | 1.5 | 1.83 | | | |
| " | 1979 | 25.5 | 27.0 | 1.5 | 1.94 | | | |
| " | 1980 | 27.0 | 28.5 | 1.5 | 1.22 | | | |
| " | 1981 | 28.5 | 30.0 | 1.5 | 1.65 | | | |
| " | 1982 | 30.0 | 31.5 | 1.5 | 1.33 | 30.0 | 358585 | 5789375 |
| " | 1983 | 31.5 | 33.0 | 1.5 | 1.92 | | | |
| " | 1984 | 33.0 | 34.5 | 1.5 | 1.68 | | | |
| " | 1985 | - | blank | | <100 ppm | | | |
| " | 1986 | 34.5 | 35.3 | 1.5 | 0.77 | 35.3 | 358585 | 5789376 |
| | | | | CS-8.7 | **1.68%$Li_2O$/34.5m** | | | |
| | | | | | | | | |
| CS-9.20 | 1948 | 0.0 | 1.5 | 1.5 | 0.69 | 0.0 | 358509 | 5789383 |
| " | 1949 | 1.5 | 3.0 | 1.5 | 1.19 | | | |
| " | 1950 | 3.0 | 4.5 | 1.5 | 1.68 | | | |

Annex 2 part 1

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| CS-9.20 | 1951 | 4.5 | 6.0 | 1.5 | 1.75 | | | |
| " | 1952 | 6.0 | 7.5 | 1.5 | 1.41 | | | |
| " | 1953 | 7.5 | 9.0 | 1.5 | 1.81 | 7.5 | 358503 | 5789387 |
| " | 1954 | - | low-standard | | 0.83 | | | |
| " | 1955 | 9.0 | 10.5 | 1.5 | 1.07 | | | |
| " | 1956 | 10.5 | 12.0 | 1.5 | 1.82 | | | |
| " | 1957 | 12.0 | 13.5 | 1.5 | 1.68 | | | |
| " | 1958 | 13.5 | 15.0 | 1.5 | 1.47 | | | |
| " | 1959 | 15.0 | 16.5 | 1.5 | 1.83 | | | |
| " | 1960 | 16.5 | 18.0 | 1.5 | 2.17 | 18.0 | 358495 | 5789394 |
| | | | | CS-9.2 | **1.37%$Li_2O$/18.0m** | | | |
| | | | | | | | | |
| CS-11.10 | 1934 | 0.0 | 1.5 | 1.5 | 1.52 | 0.0 | 358311 | 5789430 |
| " | 1935 | 1.5 | 3.0 | 1.5 | 1.05 | | | |
| " | 1936 | 3.0 | 4.5 | 1.5 | 2.17 | | | |
| CS-11.10 | 1937 | 4.5 | 6.0 | 1.5 | 2.69 | 6.0 | 358307 | 5789437 |
| " | 1938 | 6.0 | 7.5 | 1.5 | 1.08 | | | |
| " | 1939 | 7.5 | 9.0 | 1.5 | 1.68 | | | |
| " | 1940 | 9.0 | 10.5 | 1.5 | 2.09 | | | |
| " | 1941 | 10.5 | 12.0 | 1.5 | 1.24 | 12.0 | 358301 | 5789442 |
| " | 1942 | 12.0 | 13.5 | 1.5 | 1.63 | | | |
| " | 1943 | 13.5 | 15.0 | 1.5 | 1.96 | | | |
| " | 1944 | - | blank | | <100 ppm | | | |
| " | 1945 | 15.0 | 16.5 | 1.5 | 2.17 | | | |
| " | 1946 | 16.5 | 18.0 | 1.5 | 0.84 | | | |
| " | 1947 | 18.0 | 19.5 | 1.5 | 0.64 | 19.5 | 358301 | 5789448 |
| | | | | CS-11.10 | **1.55%$Li_2O$/19.5m** | | | |
| | | | | | | | | |
| CS-12.10 | 1917 | 0.0 | 1.5 | 1.5 | 1.53 | 0.0 | 358111 | 5789437 |
| " | 1918 | 1.5 | 3.0 | 1.5 | 1.95 | | | |
| " | 1919 | 3.0 | 4.5 | 1.5 | 1.16 | | | |
| " | 1920 | 4.5 | 6.0 | 1.5 | 1.99 | | | |
| " | 1921 | 6.0 | 7.5 | 1.5 | 1.93 | | | |
| " | 1922 | 7.5 | 9.0 | 1.5 | 1.29 | 7.5 | 358099 | 5789443 |
| " | 1923 | 9.0 | 10.5 | 1.5 | 2.69 | | | |
| " | 1924 | 10.5 | 12.0 | 1.5 | 1.81 | | | |
| " | 1925 | 12.0 | 13.5 | 1.5 | 2.28 | | | |
| " | 1926 | 13.5 | 15.0 | 1.5 | 1.23 | | | |
| " | 1927 | 15.0 | 16.5 | 1.5 | 1.15 | 15.0 | 358092 | 5789448 |
| " | 1928 | 16.5 | 18.0 | 1.5 | 1.50 | | | |
| " | 1929 | 18.0 | 19.5 | 1.5 | 1.11 | | | |
| " | 1930 | 19.5 | 21.0 | 1.5 | 2.22 | | | |
| " | 1931 | 21.0 | 22.5 | 1.5 | 3.21 | | | |
| " | 1932 | 22.5 | 23.5 | 1.5 | 0.46 | 23.5 | 358089 | 5789450 |
| " | 1933 | - | high-standard | | 1.33 | | | |
| | | | | CS-12.10 | **1.76%$Li_2O$/23.5m** | | | |
| | | | | | | | | |

Annex 2 part 1

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| CS-13.10 | 1901 | 0.0 | 1.5 | 1.5 | 1.16 | 0.0 | 357947 | 5789534 |
| " | 1902 | 1.5 | 3.0 | 1.5 | 1.58 | | | |
| " | 1903 | - | blank | | <100 ppm | | | |
| " | 1904 | 3.0 | 4.5 | 1.5 | 1.56 | | | |
| " | 1905 | 4.5 | 6.0 | 1.5 | 1.72 | | | |
| " | 1906 | 6.0 | 7.5 | 1.5 | 2.24 | | | |
| " | 1907 | 7.5 | 9.0 | 1.5 | 2.10 | 7.5 | 357943 | 5789538 |
| " | 1908 | 9.0 | 10.5 | 1.5 | 1.69 | | | |
| " | 1909 | 10.5 | 12.0 | 1.5 | 1.88 | | | |
| " | 1910 | 12.0 | 13.5 | 1.5 | 1.05 | | | |
| " | 1911 | 13.5 | 15.0 | 1.5 | 2.14 | | | |
| " | 1912 | 15.0 | 16.5 | 1.5 | 1.35 | 15.0 | 357941 | 5789543 |
| " | 1913 | - | low-standard | | 0.91 | | | |
| " | 1914 | 16.5 | 18.0 | 1.5 | 1.75 | | | |
| " | 1915 | 18.0 | 19.5 | 1.5 | 1.24 | | | |
| " | 1916 | 19.5 | 20.5 | 1.0 | 2.30 | 20.5 | 357939 | 5789548 |
| | | | **revised 20jan,2010** | CS-13.100 | **1.57%$Li_2O$/20.5m** | | | |
| | | | | | | | | |
| CS-14.10 | 926 | 0.0 | 1.5 | 1.5 | 1.73 | 0.0 | 357901 | 5789598 |
| " | 927 | 1.5 | 3.0 | 1.5 | 1.78 | | | |
| " | 928 | 3.0 | 4.5 | 1.5 | 1.49 | | | |
| " | 929 | 4.5 | 6.0 | 1.5 | 1.63 | | | |
| " | 930 | 6.0 | 7.5 | 1.5 | 1.77 | | | |
| " | 931 | 7.5 | 9.0 | 1.5 | 2.08 | 7.5 | 357894 | 5789601 |
| " | 932 | 9.0 | 10.5 | 1.5 | 1.39 | | | |
| " | 933 | 10.5 | 12.0 | 1.5 | 1.39 | | | |
| " | 934 | 12.0 | 13.5 | 1.5 | 0.98 | | | |
| " | 935 | 13.5 | 15.0 | 1.5 | 1.20 | | | |
| " | 936 | 15.0 | 16.5 | 1.5 | 1.60 | 15.0 | 357887 | 5789603 |
| " | 937 | 16.5 | 18.0 | 1.5 | 1.18 | | | |
| " | 938 | 18.0 | 19.5 | 1.5 | 1.42 | | | |
| " | 939 | 19.5 | 21.0 | 1.5 | 2.10 | | | |
| " | 940 | 21.0 | 22.5 | 1.5 | 1.60 | | | |
| " | 941 | 22.5 | 24.0 | 1.5 | 1.83 | 22.5 | 357878 | 5789606 |
| CS-14.10 | 942 | 24.0 | 25.5 | 1.5 | 2.15 | | | |
| " | 943 | 25.5 | 27.0 | 1.5 | 1.31 | | | |
| " | 944 | 27.0 | 28.5 | 1.5 | 1.03 | | | |
| " | 945 | 28.5 | 30.0 | 1.5 | 1.52 | | | |
| " | 946 | 30.0 | 31.5 | 1.5 | 1.46 | 30.0 | 357872 | 5789610 |
| " | 947 | 31.5 | 32.5 | 1.0 | 0.98 | | | |
| | | | | CS-14.10 | **1.54%$Li_2O$/32.5m** | | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| CS-15.10 | 901 | 0.0 | 1.5 | 1.5 | 1.64 | 0.0 | 357326 | 5789835 |
| " | 902 | 1.5 | 3.0 | 1.5 | 1.92 | | | |
| " | 903 | 3.0 | 4.5 | 1.5 | 0.67 | | | |
| " | 904 | 4.5 | 6.0 | 1.5 | 1.92 | | | |
| " | 905 | 6.0 | 7.5 | 1.5 | 1.38 | | | |
| " | 906 | 7.5 | 9.0 | 1.5 | 2.63 | 7.5 | 357329 | 5789844 |
| " | 907 | 9.0 | 10.5 | 1.5 | 1.75 | | | |

Annex 2 part 1

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| CS-15.10 | 908 | 10.5 | 12.0 | 1.5 | 1.58 | | | |
| " | 909 | 12.0 | 13.5 | 1.5 | 1.60 | | | |
| " | 910 | 13.5 | 15.0 | 1.5 | 2.76 | | | |
| " | 911 | 15.0 | 16.5 | 1.5 | 2.00 | 15.0 | 357332 | 5789851 |
| " | 912 | 16.5 | 18.0 | 1.5 | 0.97 | | | |
| " | 913 | 18.0 | 19.5 | 1.5 | 1.62 | | | |
| " | 914 | 19.5 | 21.0 | 1.5 | 0.79 | | | |
| " | 915 | 21.0 | 22.5 | 1.5 | 1.33 | | | |
| " | 916 | 22.5 | 24.0 | 1.5 | 2.78 | 22.5 | 357335 | 5789857 |
| " | 917 | 24.0 | 25.5 | 1.5 | 1.01 | | | |
| " | 918 | 25.5 | 27.0 | 1.5 | 0.94 | | | |
| " | 919 | 27.0 | 28.5 | 1.5 | 0.94 | | | |
| " | 920 | 28.5 | 30.0 | 1.5 | 1.72 | | | |
| " | 921 | 30.0 | 31.5 | 1.5 | 0.70 | 30.0 | 357337 | 5789864 |
| " | 922 | 31.5 | 33.0 | 1.5 | 1.67 | | | |
| " | 923 | 33.0 | 34.5 | 1.5 | 1.99 | | | |
| " | 924 | 34.5 | 36.0 | 1.5 | 1.10 | | | |
| " | 925 | 36.0 | 37.0 | 1.0 | 0.04 | 37.0 | 357341 | 5789871 |
| | | | | CS-15.10 | **1.52%$Li_2O$/36.0m** | | | |

## ASSAY RESULTS

## 2010 CHANNEL SAMPLING JAMES BAY LITHIUM

| date | Site | tag | from (m) | to (m) | Intercept (m) | $Li_2O$ % | at (m) | GPS E | GPS N |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | meters | E | N |
| 21-Aug-10 | CS-7.21 | 23041 | 0.0 | 1.5 | 1.50 | 1.37 | 0.0 | 358922 | 5789248 |
| " | " | 23042 | 1.5 | 3.0 | 1.50 | 1.34 | | | |
| " | " | 23044 | 3.0 | 4.5 | 1.50 | 1.56 | | | |
| " | " | 23045 | 4.5 | 6.0 | 1.50 | 1.83 | | | |
| " | " | 23046 | 6.0 | 7.5 | 1.50 | 1.48 | | | |
| " | " | 23047 | 7.5 | 9.0 | 1.50 | 1.55 | | | |
| " | " | 23048 | 9.0 | 10.4 | 1.40 | 1.42 | 10.4 | 358898 | 5789254 |
| | | | | | **10.40** | **1.51%/10.40m** | | | |
| 20-Aug-10 | CS-7.22 | 23026 | 0.0 | 1.5 | 1.50 | 1.54 | 0.0 | 358899 | 5789176 |
| " | " | 23027 | 1.5 | 3.0 | 1.50 | 1.19 | | | |
| " | " | 23028 | 3.0 | 4.5 | 1.50 | 1.84 | | | |
| " | " | 23029 | 4.5 | 6.0 | 1.50 | 1.26 | | | |
| " | " | 23030 | 6.0 | 7.5 | 1.50 | 0.89 | | | |
| " | " | 23031 | 7.5 | 9.0 | 1.50 | 1.05 | | | |
| " | " | 23032 | 9.0 | 10.5 | 1.50 | 1.41 | | | |
| " | " | 23033 | 10.5 | 12.0 | 1.50 | 1.84 | | | |
| " | " | 23034 | 12.0 | 13.5 | 1.50 | 1.69 | | | |
| " | " | 23035 | 13.5 | 15.0 | 1.50 | 1.29 | | | |
| " | " | 23036 | 15.0 | 15.8 | 0.75 | 1.46 | 15.75 | 358893 | 5789189 |
| | | | | | **15.75** | **1.40%/1 from 0-15.75m** | | | |
| " | " | 23037 | 19.0 | 20.5 | 1.50 | 0.78 | 19.0 | 358890 | 5789189 |
| " | " | 23038 | 20.5 | 22.0 | 1.50 | 1.43 | | | |
| " | " | 23039 | 22.0 | 23.5 | 1.50 | 1.25 | | | |
| " | " | 23040 | 23.5 | 25.0 | 1.50 | 0.68 | 25.0 | 358884 | 5789191 |
| | | | | | **6.00** | **1.40%/1& 1.34%/3.0m from 20.5-23.5m** | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 20-Aug-10 | CS-7.23 | 23002 | 0.0 | 1.5 | 1.50 | 1.36 | 0.0 | 358888 | 5789155 |
| " | " | 23003 | 1.5 | 3.0 | 1.50 | 1.60 | | | |
| " | " | 23004 | 3.0 | 4.5 | 1.50 | 1.77 | | | |
| " | " | 23005 | 4.5 | 6.0 | 1.50 | 1.66 | | | |
| " | " | 23006 | 6.0 | 7.5 | 1.50 | 1.31 | | | |
| " | " | 23007 | 7.5 | 9.0 | 1.50 | 1.58 | | | |
| " | " | 23008 | 9.0 | 10.5 | 1.50 | 1.86 | | | |
| " | " | 23009 | 10.5 | 12.0 | 1.50 | 2.35 | | | |
| " | " | 23010 | 12.0 | 13.5 | 1.50 | 1.54 | | | |
| " | " | 23011 | 13.5 | 15.0 | 1.50 | 1.22 | | | |
| " | " | 23012 | 15.0 | 16.5 | 1.50 | 1.22 | | | |
| " | " | 23013 | 16.5 | 18.0 | 1.50 | 1.88 | | | |
| " | " | 23014 | 18.0 | 19.5 | 1.50 | 1.83 | | | |
| " | " | 23015 | 19.5 | 21.0 | 1.50 | 1.81 | | | |
| " | " | 23016 | 21.0 | 22.5 | 1.50 | 1.56 | | | |
| " | " | 23017 | 22.5 | 23.4 | 0.90 | 0.41 | 23.4 | 358869 | 5789166 |
| 20-Aug-10 | CS-7.24 | 23018 | 0.0 | 1.5 | 1.50 | 0.81 | 0.0 | 358865 | 5789138 |
| " | " | 23019 | 1.5 | 3.0 | 1.50 | 2.12 | | | |
| " | " | 23020 | 3.0 | 4.5 | 1.50 | 1.98 | | | |
| " | " | 23021 | 4.5 | 6.0 | 1.50 | 1.65 | | | |
| " | " | 23023 | 6.0 | 7.5 | 1.50 | 1.76 | | | |
| " | " | 23024 | 7.5 | 9.0 | 1.50 | 1.80 | 7.5 | 358854 | 5789140 |
| " | " | 23025 | duplicate of 23024 | | | 1.64 | | | |
| | | | | | **9.00** | **1.69%/9.0m** | | | |
| 21-Aug-10 | CS-7.30 | 23049 | 0.0 | 1.5 | 1.50 | 0.98 | 0.0 | 358901 | 5789255 |
| " | " | 23050 | 1.5 | 2.0 | 0.50 | 1.28 | 2.0 | 358900 | 5789256 |
| | | | | | **2.00** | **1.05%/2.0m** | | | |
| 21-Aug-10 | CS-7.31 | 23051 | 0.0 | 1.5 | 1.50 | 1.43 | 0.0 | 358884 | 5789235 |
| " | " | 23052 | 1.5 | 3.0 | 1.50 | 1.40 | | | |
| " | " | 23053 | 3.0 | 3.6 | 0.60 | 1.77 | 3.6 | 358881 | 5789237 |
| | | | | | **3.60** | **1.47%/3.6m** | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 21-Aug-10 | CS-7.32 | 23054 | 0.0 | 1.5 | 1.50 | 0.76 | 0.0 | 358873 | 5789214 |
| " | " | 23055 | 1.5 | 3.0 | 1.50 | 2.10 | | | |
| " | " | 23056 | 3.0 | 4.5 | 1.50 | 2.14 | | | |
| " | " | 23057 | 4.5 | 5.2 | 0.70 | 1.21 | 5.2 | 358868 | 5789216 |
| | | | | | **5.20** | **1.95%/3.7m** | | | |
| 22-Aug-10 | CS-7.33 | 23087 | 0.0 | 1.5 | 1.50 | 1.84 | 0.0 | 358861 | 5789186 |
| " | " | 23088 | 1.5 | 2.7 | 1.20 | 1.27 | | | |
| | | | | | **2.70** | | | | |
| " | " | 23089 | 4.0 | 5.5 | 1.50 | 1.94 | | | |
| " | " | 23090 | 5.5 | 6.7 | 1.20 | 1.84 | 2.7 | 358857 | 5789190 |
| | | | | | **2.70** | **1.41%/6.7m** | | | |
| 21-Aug-10 | CS-7.40 | 23058 | 0.0 | 1.5 | 1.50 | 1.78 | 0.0 | 358857 | 5789258 |
| " | " | 23059 | 1.5 | 3.0 | 1.50 | 1.60 | | | |
| " | " | 23060 | 3.0 | 4.5 | 1.50 | 1.50 | | | |
| " | " | 23061 | 4.5 | 6.0 | 1.50 | 1.26 | | | |
| " | " | 23062 | 6.0 | 6.2 | 0.20 | 1.11 | 6.2 | 358854 | 5789262 |
| | | | | | **6.20** | **1.52%/6.2m** | | | |
| 21-Aug-10 | CS-7.41 | 23071 | 0.0 | 1.5 | 1.50 | 0.82 | 0.0 | 358838 | 5789228 |
| " | " | 23072 | 1.5 | 3.0 | 1.50 | 0.94 | | | |
| " | " | 23073 | 3.0 | 4.5 | 1.50 | 1.27 | | | |
| " | " | 23074 | 4.5 | 6.0 | 1.50 | 0.73 | | | |
| " | " | 23075 | 6.0 | 7.5 | 1.50 | 1.50 | | | |
| " | " | 23076 | 7.5 | 9.0 | 1.50 | 0.85 | | | |
| " | " | 23077 | 9.0 | 9.3 | 0.30 | 2.02 | 9.3 | 358832 | 5789233 |
| " | " | 23078 | duplicate of 23077 | | | 2.05 | | | |
| | | | | | **9.30** | **1.05%/9.3m** | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 21-Aug-10 | CS-7.50 | 23063 | 0.0 | 1.5 | 1.50 | 1.01 | 0.0 | 358850 | 5789264 |
| " | " | 23065 | 1.5 | 3.0 | 1.50 | 1.46 | | | |
| " | " | 23066 | 3.0 | 4.5 | 1.50 | 1.66 | | | |
| " | " | 23067 | 4.5 | 5.8 | 1.30 | 1.35 | 5.8 | 358846 | 5789266 |
| | | | | | **5.80** | | | | |
| " | " | 23068 | 13.1 | 14.6 | 1.50 | 0.53 | 13.1 | 358842 | 5789272 |
| " | " | 23069 | 14.6 | 16.1 | 1.50 | 0.71 | | | |
| " | " | 23070 | 16.1 | 16.3 | 0.20 | 1.67 | 16.3 | 358839 | 5789274 |
| | | | | | **3.20** | **1.37%/5** | **from 0-5.8m** | | |
| 22-Aug-10 | CS-7.51 | 23079 | 0.0 | 1.5 | 1.50 | 1.68 | 0.0 | 358829 | 5789236 |
| " | " | 23080 | 1.5 | 3.0 | 1.50 | 1.50 | | | |
| " | " | 23081 | 3.0 | 4.5 | 1.50 | 1.58 | | | |
| " | " | 23082 | 4.5 | 6.0 | 1.50 | 1.58 | | | |
| " | " | 23083 | 6.0 | 7.5 | 1.50 | 1.81 | | | |
| " | " | 23084 | 7.5 | 9.0 | 1.50 | 1.21 | | | |
| " | " | 23086 | 9.0 | 9.2 | 0.20 | 0.16 | 9.2 | 358821 | 5789239 |
| | | | | | **9.20** | **1.56%/9.2m** | | | |
| 22-Aug-10 | CS-7.52 | 23121 | 0.0 | 1.5 | 1.50 | 1.27 | 0.0 | 358800 | 5789189 |
| " | " | 23122 | duplicate of 23121 | | | 0.85 | | | |
| " | " | 23123 | 1.5 | 3.0 | 1.50 | 0.79 | | | |
| " | " | 23124 | 3.0 | 4.5 | 1.50 | 1.07 | | | |
| " | " | 23125 | 4.5 | 6.0 | 1.50 | 1.71 | | | |
| " | " | 23126 | 6.0 | 7.5 | 1.50 | 1.61 | | | |
| " | " | 23128 | 7.5 | 9.0 | 1.50 | 1.71 | | | |
| " | " | 23129 | 9.0 | 10.5 | 1.50 | 1.56 | | | |
| " | " | 23130 | 10.5 | 12.0 | 1.50 | 1.81 | | | |
| " | " | 23131 | 12.0 | 13.5 | 1.50 | 1.54 | | | |
| " | " | 23132 | 13.5 | 13.9 | 0.40 | 1.23 | 13.9 | 358788 | 5789196 |
| | | | | | **13.90** | **1.45%/13.9m** | | | |

Annex 2 (part2 of 2)

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 22-Aug-10 | CS-Dyke-7.60 | 23101 | 0.0 | 1.5 | 1.50 | 1.83 | 0.0 | 358813 | 5789288 |
| " | " | 23102 | 1.5 | 3.0 | 1.50 | 1.32 | | | |
| " | " | 23103 | 3.0 | 4.5 | 1.50 | 1.15 | | | |
| " | " | 23104 | 4.5 | 6.0 | 1.50 | 1.75 | | | |
| " | " | 23105 | 6.0 | 7.5 | 1.50 | 1.33 | | | |
| " | " | 23107 | 7.5 | 9.0 | 1.50 | 1.72 | | | |
| " | " | 23108 | 9.0 | 9.3 | 0.30 | 3.01 | 9.3 | 358806 | 5789296 |
| | | | | | **9.30** | **1.56%/9.3m** | | | |
| 22-Aug-10 | CS-7.61 | 23091 | 0.0 | 1.5 | 1.50 | 1.40 | 0.0 | 358815 | 5789244 |
| " | " | 23092 | 1.5 | 3.0 | 1.50 | 1.88 | | | |
| " | " | 23093 | 3.0 | 4.5 | 1.50 | 1.35 | | | |
| " | " | 23094 | 4.5 | 6.0 | 1.50 | 1.38 | | | |
| " | " | 23095 | 6.0 | 7.5 | 1.50 | 1.42 | | | |
| " | " | 23096 | 7.5 | 9.0 | 1.50 | 1.39 | | | |
| " | " | 23097 | 9.0 | 10.5 | 1.50 | 1.97 | | | |
| " | " | 23098 | 10.5 | 12.0 | 1.50 | 1.90 | | | |
| " | " | 23099 | 12.0 | 13.5 | 1.50 | 0.92 | | | |
| " | " | 23100 | 13.5 | 13.9 | 0.40 | 0.84 | 13.9 | 358805 | 5789251 |
| | | | | | **13.90** | **1.49%/13.9m** | | | |
| 22-Aug-10 | CS-7.62 | 23109 | 0.0 | 1.5 | 1.50 | 1.28 | 0.0 | 358796 | 5789222 |
| " | " | 23110 | 1.5 | 3.0 | 1.50 | 1.67 | | | |
| " | " | 23111 | 3.0 | 4.5 | 1.50 | 1.67 | | | |
| " | " | 23112 | 4.5 | 6.0 | 1.50 | 1.40 | | | |
| " | " | 23113 | 6.0 | 7.0 | 1.00 | 0.69 | 7.0 | 358794 | 5789227 |
| | | | | | **7.00** | **1.51%/6.0m** | | | |
| 22-Aug-10 | CS-7.63 | 23114 | 0.0 | 1.5 | 1.50 | 1.16 | 0.0 | 358782 | 5789208 |
| " | " | 23115 | 1.5 | 3.0 | 1.50 | 0.83 | | | |
| " | " | 23116 | 3.0 | 4.5 | 1.50 | 1.69 | | | |
| " | " | 23117 | 4.5 | 6.0 | 1.50 | 1.96 | | | |
| " | " | 23118 | 6.0 | 7.5 | 1.50 | 1.78 | | | |
| " | " | 23119 | 7.5 | 9.0 | 1.50 | 0.83 | | | |
| " | " | 23120 | 9.0 | 9.7 | 0.70 | 2.00 | 9.7 | 358774 | 5789214 |
| | | | | | **9.70** | **1.42%/9.7m** | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 23-Aug-10 | CS-8.20 | 23133 | 0.0 | 1.5 | 1.50 | 0.61 | 0.0 | 358760 | 5789333 |
| " | " | 23134 | 1.5 | 3.0 | 1.50 | 1.49 | | | |
| " | " | 23135 | 3.0 | 4.5 | 1.50 | 0.95 | | | |
| " | " | 23136 | 4.5 | 6.0 | 1.50 | 1.74 | 6.0 | 358751 | 5789333 |
| | | | | | **6.00** | **1.39%/4.5m** | | | |
| 23-Aug-10 | CS-8.21 | 23151 | 0.0 | 1.5 | 1.50 | 1.73 | 0.0 | 358738 | 5789302 |
| " | " | 23152 | 1.5 | 2.9 | 1.40 | 1.49 | 2.9 | 358737 | 5789305 |
| | | | | | **2.90** | **1.61%/2.9m** | | | |
| 23-Aug-10 | CS-8.30 | 23137 | 0.0 | 1.5 | 1.50 | 1.88 | 0.0 | 358746 | 5789339 |
| " | " | 23138 | 1.5 | 3.0 | 1.50 | 1.32 | | | |
| " | " | 23139 | 3.0 | 4.5 | 1.50 | 0.93 | | | |
| " | " | 23140 | 4.5 | 6.0 | 1.50 | 0.97 | | | |
| " | " | 23141 | 6.0 | 7.5 | 1.50 | 1.41 | | | |
| " | " | 23142 | 7.5 | 8.0 | 0.50 | 1.74 | 8.0 | 358737 | 5789344 |
| | | | | | **8.00** | **1.33%/8.0m** | | | |
| 23-Aug-10 | CS-8.31 | 23143 | 0.0 | 1.5 | 1.50 | 1.31 | 0.0 | 358730 | 5789318 |
| " | " | 23144 | 1.5 | 3.0 | 1.50 | 1.33 | | | |
| " | " | 23145 | 3.0 | 4.5 | 1.50 | 1.28 | | | |
| " | " | 23146 | 4.5 | 6.0 | 1.50 | 1.78 | | | |
| " | " | 23147 | 6.0 | 7.5 | 1.50 | 1.48 | | | |
| " | " | 23149 | 7.5 | 9.0 | 1.50 | 0.97 | | | |
| " | " | 23150 | 9.0 | 9.3 | 0.25 | 0.64 | 9.25 | 358725 | 5789321 |
| | | | | | **9.25** | **1.36%/9.25m** | | | |
| 23-Aug-10 | CS-8.40 | 23161 | 0.0 | 1.5 | 1.50 | 1.56 | 0.0 | 358669 | 5789290 |
| " | " | 23162 | 1.5 | 2.6 | 1.10 | 0.93 | 2.6 | 358668 | 5789291 |
| | | | | | **2.60** | CS-8.40 | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 23-Aug-10 | CS-8.50 | 23163 | 0.0 | 1.5 | 1.50 | 0.74 | 0.0 | 358660 | 5789288 |
| " | " | 23164 | 1.5 | 3.0 | 1.50 | 1.60 | | | |
| " | " | 23165 | 3.0 | 4.5 | 1.50 | 1.83 | | | |
| " | " | 23166 | 4.5 | 6.0 | 1.50 | 1.18 | | | |
| " | " | 23167 | 6.0 | 7.5 | 1.50 | 0.81 | | | |
| " | " | 23168 | 7.5 | 9.0 | 1.50 | 1.01 | | | |
| " | " | 23170 | 9.0 | 10.5 | 1.50 | 2.06 | | | |
| " | " | 23171 | 10.5 | 12.0 | 1.50 | 1.28 | | | |
| " | " | 23172 | 12.0 | 13.5 | 1.50 | 1.40 | | | |
| " | " | 23173 | 13.5 | 15.0 | 1.50 | 1.63 | | | |
| " | " | 23174 | 15.0 | 16.5 | 1.50 | 1.67 | | | |
| " | " | 23175 | 16.5 | 18.0 | 1.50 | 1.68 | | | |
| " | " | 23176 | 18.0 | 19.5 | 1.50 | 2.06 | | | |
| " | " | 23177 | 19.5 | 20.3 | 0.80 | 1.47 | 20.3 | 358645 | 5789302 |
| | | | | | **20.30** | CS-8.50 | | | |
| 23-Aug-10 | CS-8.51 | 23153 | 0.0 | 1.5 | 1.50 | 1.62 | 0.0 | 358684 | 5789334 |
| " | " | 23154 | 1.5 | 3.0 | 1.50 | 1.78 | | | |
| " | " | 23155 | 3.0 | 4.5 | 1.50 | 1.53 | | | |
| " | " | 23156 | 4.5 | 6.0 | 1.50 | 0.99 | | | |
| " | " | 23157 | 6.0 | 7.5 | 1.50 | 1.44 | | | |
| " | " | 23158 | 7.5 | 8.0 | 0.50 | 1.39 | 8.0 | 358676 | 5789339 |
| " | " | 23178 | duplicate of 23158 | | | 1.75 | | | |
| | | | | | **8.00** | **1.47%/8** | **from 0-8.0m** | | |
| " | " | 23159 | 11.0 | 12.5 | 1.50 | 1.39 | 11.0 | 358674 | 5789338 |
| " | " | 23160 | 12.5 | 13.0 | 0.50 | 0.89 | 13.0 | 358672 | 5789338 |
| " | " | 23179 | duplicate of 23160 | | | 0.91 | | | |
| | | | | | **2.00** | **& 1.27%, from 11.0-13.0m** | | | |

Annex 2 (part2 of 2)

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 24-Aug-10 | CS-8.60 | 23180 | 0.0 | 1.5 | 1.50 | 1.61 | 0.0 | 358628 | 5789350 |
| " | " | 23181 | 1.5 | 3.0 | 1.50 | 1.97 | | | |
| " | " | 23182 | 3.0 | 4.5 | 1.50 | 1.70 | | | |
| " | " | 23183 | 4.5 | 6.0 | 1.50 | 1.18 | | | |
| " | " | 23184 | 6.0 | 7.5 | 1.50 | 2.15 | | | |
| " | " | 23185 | 7.5 | 9.0 | 1.50 | 1.65 | | | |
| " | " | 23186 | 9.0 | 10.5 | 1.50 | 1.75 | | | |
| " | " | 23187 | 10.5 | 12.0 | 1.50 | 1.39 | | | |
| " | " | 23188 | 12.0 | 12.7 | 0.70 | 1.03 | 12.7 | 358616 | 5789356 |
| | | | | | **12.70** | **1.64%/12.7m** | | | |
| 24-Aug-10 | CS-8.71 | 23189 | 0.0 | 1.5 | 1.50 | 0.77 | 0.0 | 358588 | 5789336 |
| " | " | 23191 | 1.5 | 3.0 | 1.50 | 1.06 | | | |
| " | " | 23192 | 3.0 | 4.5 | 1.50 | 1.39 | | | |
| " | " | 23193 | 4.5 | 6.0 | 1.50 | 1.44 | | | |
| " | " | 23194 | 6.0 | 7.5 | 1.50 | 2.06 | | | |
| " | " | 23195 | 7.5 | 9.0 | 1.50 | 1.73 | | | |
| " | " | 23196 | 9.0 | 10.5 | 1.50 | 1.08 | | | |
| " | " | 23197 | 10.5 | 12.0 | 1.50 | 1.22 | | | |
| " | " | 23198 | 12.0 | 13.5 | 1.50 | 1.42 | | | |
| " | " | 23199 | 13.5 | 15.0 | 1.50 | 1.30 | | | |
| " | " | 23200 | 15.0 | 16.5 | 1.50 | 1.33 | | | |
| " | " | 23201 | 16.5 | 18.0 | 1.50 | 1.53 | | | |
| " | " | 23202 | 18.0 | 19.5 | 1.50 | 1.68 | | | |
| " | " | 23203 | 19.5 | 21.0 | 1.50 | 1.13 | | | |
| " | " | 23204 | 21.0 | 22.5 | 1.50 | 2.06 | | | |
| " | " | 23205 | 22.5 | 24.0 | 1.50 | 1.23 | | | |
| " | " | 23206 | 24.0 | 25.5 | 1.50 | 1.13 | | | |
| " | " | 23207 | 25.5 | 27.0 | 1.50 | 1.32 | | | |
| " | " | 23208 | 27.0 | 28.5 | 1.50 | 1.82 | | | |
| " | " | 23209 | 28.5 | 30.0 | 1.50 | 1.88 | | | |
| " | " | 23210 | 30.0 | 31.5 | 1.50 | 1.47 | | | |
| " | " | 23212 | 31.5 | 32.0 | 0.45 | 1.85 | 31.95 | 358564 | 5789360 |
| " | " | 23213 | duplicate of 23212 | | | 1.59 | | | |
| | | | | | **31.95** | **1.40%/30.45m** | | | |

Annex 2 (part2 of 2)

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 25-Aug-10 | CS-9.10 | 23214 | 0.0 | 1.5 | 1.50 | 1.20 | 0.0 | 358527 | 5789381 |
| " | " | 23215 | 1.5 | 3.0 | 1.50 | 1.60 | | | |
| " | " | 23216 | 3.0 | 4.5 | 1.50 | 1.67 | | | |
| " | " | 23217 | 4.5 | 6.0 | 1.50 | 1.51 | | | |
| " | " | 23218 | 6.0 | 6.5 | 0.50 | 1.04 | 6.5 | 358520 | 5789380 |
| | | | | | **6.50** | **1.46%/6.5m** | | | |
| 25-Aug-10 | CS-9.11 | 23219 | 0.0 | 1.5 | 1.50 | 0.91 | 0.0 | 358528 | 5789423 |
| " | " | 23220 | 1.5 | 3.0 | 1.50 | 1.33 | | | |
| " | " | 23221 | 3.0 | 4.5 | 1.50 | 1.69 | | | |
| " | " | 23222 | 4.5 | 6.0 | 1.50 | 1.53 | | | |
| " | " | 23223 | 6.0 | 7.5 | 1.50 | 1.70 | | | |
| " | " | 23224 | 7.5 | 8.1 | 0.60 | 1.92 | 8.1 | 358520 | 5789425 |
| | | | | | **8.10** | **1.47%/8.1m** | | | |
| 25-Aug-10 | CS-9.21 | 23225 | 0.0 | 1.5 | 1.50 | 2.15 | 0.0 | 358511 | 5789429 |
| " | " | 23226 | 1.5 | 3.0 | 1.50 | 1.89 | | | |
| " | " | 23227 | 3.0 | 4.5 | 1.50 | 0.48 | | | |
| " | " | 23228 | 4.5 | 6.0 | 1.50 | 2.17 | | | |
| " | " | 23229 | 6.0 | 7.1 | 1.10 | 0.82 | 7.1 | 358504 | 5789428 |
| | | | | | **7.10** | **1.54%/7.1m** | | | |

Annex 2 (part2 of 2)

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 25-Aug-10 | CS-11.11 | 23230 | 0.0 | 1.5 | 1.50 | 0.65 | 0.0 | 358339 | 5789457 |
| " | " | 23231 | 1.5 | 3.0 | 1.50 | 0.81 | | | |
| " | " | 23232 | duplicate of 23231 | | | 0.63 | | | |
| " | " | 23234 | 3.0 | 4.5 | 1.50 | 0.89 | | | |
| " | " | 23235 | 4.5 | 6.0 | 1.50 | 0.84 | | | |
| " | " | 23236 | 6.0 | 7.5 | 1.50 | 0.40 | | | |
| " | " | 23237 | 7.5 | 9.0 | 1.50 | 0.42 | | | |
| " | " | 23238 | 9.0 | 10.5 | 1.50 | 0.25 | | | |
| " | " | 23239 | 10.5 | 12.0 | 1.50 | 2.22 | | | |
| " | " | 23240 | 12.0 | 13.5 | 1.50 | 1.19 | | | |
| " | " | 23241 | 13.5 | 15.0 | 1.50 | 1.08 | | | |
| " | " | 23242 | 15.0 | 16.5 | 1.50 | 0.68 | | | |
| " | " | 23243 | 16.5 | 18.0 | 1.50 | 1.32 | | | |
| " | " | 23244 | 18.0 | 19.5 | 1.50 | 1.14 | | | |
| " | " | 23245 | 19.5 | 20.1 | 0.60 | 2.32 | | | |
| " | " | 23246 | 20.1 | 21.4 | 1.30 | 1.04 | | | |
| " | " | 23247 | 21.4 | 22.9 | 1.50 | 1.26 | | | |
| " | " | 23248 | 22.9 | 24.4 | 1.50 | 1.16 | | | |
| " | " | 23249 | 24.4 | 25.9 | 1.50 | 1.21 | | | |
| " | " | 23250 | 25.9 | 27.4 | 1.50 | 1.87 | | | |
| " | " | 23251 | 27.4 | 27.6 | 0.20 | 0.03 | 27.6 | 358320 | 5789479 |
| | | | | | **27.60** | **1.33%/16.9m** | | | |
| 26-Aug-10 | CS-12.11 | 23252 | 0.00 | 0.60 | 0.60 | 0.34 | 0.0 | 358134 | 5789514 |
| " | " | 23254 | 0.60 | 1.35 | 0.75 | 0.07 | | | |
| " | " | 23255 | 1.35 | 2.85 | 1.50 | 0.57 | | | |
| " | " | 23256 | 2.85 | 3.90 | 1.05 | 1.29 | | | |
| " | " | 23257 | 3.90 | 4.65 | 0.75 | 0.25 | | | |
| " | " | 23258 | 4.65 | 6.15 | 1.50 | 1.08 | | | |
| " | " | 23259 | 6.15 | 7.10 | 0.95 | 0.19 | | | |
| " | " | 23260 | 7.10 | 8.60 | 1.50 | 1.38 | | | |
| " | " | 23261 | 8.60 | 10.10 | 1.50 | 1.21 | | | |
| " | " | 23262 | 10.10 | 11.60 | 1.50 | 1.55 | | | |
| " | " | 23263 | 11.60 | 13.10 | 1.50 | 1.93 | | | |
| " | " | 23264 | 13.10 | 13.60 | 0.50 | 0.40 | 13.6 | 358127 | 5789524 |
| | | | | | **13.60** | **1.52%/6.0m** | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 26-Aug-10 | CS-13.11 | 23265 | 0.0 | 1.5 | 1.50 | 1.84 | 0.0 | 357927 | 5789527 |
| " | " | 23266 | duplicate of 23265 | | | 1.77 | | | |
| " | " | 23267 | 1.5 | 3.0 | 1.50 | 1.94 | | | |
| " | " | 23268 | 3.0 | 4.5 | 1.50 | 1.75 | | | |
| " | " | 23269 | 4.5 | 6.0 | 1.50 | 1.71 | | | |
| " | " | 23270 | 6.0 | 7.5 | 1.50 | 1.87 | | | |
| " | " | 23271 | 7.5 | 9.0 | 1.50 | 1.20 | | | |
| " | " | 23272 | 9.0 | 10.5 | 1.50 | 1.41 | | | |
| " | " | 23273 | 10.5 | 12.0 | 1.50 | 1.47 | | | |
| " | " | 23275 | 12.0 | 13.5 | 1.50 | 1.96 | | | |
| " | " | 23276 | 13.5 | 15.0 | 1.50 | 1.56 | | | |
| " | " | 23277 | 15.0 | 16.5 | 1.50 | 2.26 | | | |
| " | " | 23278 | 16.5 | 18.0 | 1.50 | 1.95 | | | |
| " | " | 23279 | 18.0 | 19.5 | 1.50 | 1.61 | | | |
| " | " | 23280 | 19.5 | 21.0 | 1.50 | 1.98 | | | |
| " | " | 23281 | 21.0 | 22.5 | 1.50 | 1.29 | | | |
| " | " | 23282 | 22.5 | 22.8 | 0.30 | 0.15 | 22.80 | 357922 | 5789546 |
| | | | | | **22.80** | **1.72%/22.5m** | | | |
| 27-Aug-10 | CS-14.12 | 23283 | 0.0 | 1.5 | 1.50 | 1.46 | 0.0 | 357862 | 5789577 |
| " | " | 23284 | 1.5 | 3.0 | 1.50 | 1.37 | | | |
| " | " | 23285 | 3.0 | 4.5 | 1.50 | 1.07 | | | |
| " | " | 23286 | 4.5 | 6.0 | 1.50 | 1.75 | | | |
| " | " | 23287 | 6.0 | 7.5 | 1.50 | 1.57 | | | |
| " | " | 23288 | 7.5 | 9.0 | 1.50 | 1.85 | | | |
| " | " | 23289 | 9.0 | 10.5 | 1.50 | 2.58 | | | |
| " | " | 23290 | 10.5 | 12.0 | 1.50 | 1.45 | | | |
| " | " | 23291 | 12.0 | 13.5 | 1.50 | 1.19 | | | |
| " | " | 23292 | 13.5 | 15.0 | 1.50 | 1.16 | | | |
| " | " | 23293 | 15.0 | 15.7 | 0.65 | 1.89 | | | |
| " | " | 23344 | 15.7 | 17.0 | 1.25 | 2.17 | | | |
| " | " | 23345 | 17.0 | 18.2 | 1.25 | 1.27 | | | |
| " | " | 23294 | 18.2 | 19.7 | 1.50 | 0.80 | | | |
| " | " | 23296 | 19.7 | 21.2 | 1.50 | 2.10 | | | |
| " | " | 23297 | 21.2 | 22.7 | 1.50 | 1.45 | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| " | " | 23298 | 22.7 | 24.2 | 1.50 | 1.75 | | | |
| " | " | 23299 | 24.2 | 25.7 | 1.50 | 1.36 | | | |
| " | " | 23300 | 25.7 | 27.2 | 1.50 | 0.63 | | | |
| " | " | 23301 | 27.2 | 27.9 | 0.70 | 0.01 | 27.85 | 357845 | 5789600 |
| | | | | | **27.85** | **1.56%/25.65m** | | | |
| 27-Aug-10 | CS-14.13 | 23302 | 0.0 | 1.5 | 1.50 | 1.71 | 0.0 | 357823 | 5789612 |
| " | " | 23303 | 1.5 | 3.0 | 1.50 | 2.60 | | | |
| " | " | 23304 | 3.0 | 4.5 | 1.50 | 1.75 | | | |
| " | " | 23305 | 4.5 | 6.0 | 1.50 | 0.62 | | | |
| " | " | 23306 | 6.0 | 7.5 | 1.50 | 1.12 | | | |
| " | " | 23307 | 7.5 | 8.2 | 0.70 | 1.21 | | | |
| " | " | 23308 | 8.2 | 9.7 | 1.50 | 1.16 | | | |
| " | " | 23309 | 9.7 | 11.2 | 1.50 | 0.58 | | | |
| " | " | 23310 | 11.2 | 12.7 | 1.50 | 0.37 | | | |
| " | " | 23311 | 12.7 | 14.2 | 1.50 | 0.90 | 13.85 | 357818 | 5789598 |
| " | " | 23312 | 14.2 | 14.8 | 0.60 | 0.44 | | | |
| " | " | 23342 | Duplicate of 23312 | | | 0.16 | | | |
| | | | | | **14.80** | **1.47%/9.7m** | | | |
| 24-Aug-10 | CS-14.11 | 23343 | 0.0 | 1.5 | 1.50 | 1.47 | 0.0 | 357930 | 5789616 |
| " | " | 23313 | 1.5 | 3.0 | 1.50 | 1.69 | | | |
| " | " | 23314 | 3.0 | 4.5 | 1.50 | 1.54 | | | |
| " | " | 23316 | 4.5 | 6.0 | 1.50 | 1.84 | | | |
| " | " | 23317 | 6.0 | 7.5 | 1.50 | 1.54 | | | |
| " | " | 23318 | 7.5 | 9.0 | 1.50 | 0.51 | | | |
| " | " | 23319 | 9.0 | 10.5 | 1.50 | 0.97 | 50% sedimentary rock | | |
| " | " | 23320 | 10.5 | 12.0 | 1.50 | 1.13 | 20% sedimentary rock | | |
| " | " | 23321 | 12.0 | 13.5 | 1.50 | 1.74 | | | |
| " | " | 23322 | 13.5 | 15.0 | 1.50 | 1.57 | | | |
| " | " | 23323 | 15.0 | 16.5 | 1.50 | 1.52 | | | |
| " | " | 23324 | 16.5 | 18.0 | 1.50 | 1.74 | | | |
| " | " | 23325 | 18.0 | 19.5 | 1.50 | 2.04 | | | |
| " | " | 23326 | 19.5 | 21.0 | 1.50 | 1.84 | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 24-Aug-10 | CS-14.11 suite | 23327 | 21.0 | 22.5 | 1.50 | 1.63 | | | |
| " | " | 23328 | 22.5 | 24.0 | 1.50 | 0.70 | | | |
| " | " | 23329 | 24.0 | 25.5 | 1.50 | 1.25 | | | |
| " | " | 23330 | 25.5 | 27.0 | 1.50 | 1.60 | | | |
| " | " | 23331 | 27.0 | 28.5 | 1.50 | 1.61 | | | |
| " | " | 23332 | 28.5 | 30.0 | 1.50 | 1.68 | | | |
| " | " | 23333 | 30.0 | 31.5 | 1.50 | 1.66 | | | |
| " | " | 23334 | 31.5 | 33.0 | 1.50 | 1.94 | | | |
| " | " | 23335 | 33.0 | 34.5 | 1.50 | 1.62 | | | |
| " | " | 23337 | 34.5 | 36.0 | 1.50 | 0.27 | | | |
| " | " | 23338 | 36.0 | 37.5 | 1.50 | 0.76 | | | |
| " | " | 23339 | 37.5 | 39.0 | 1.50 | 1.85 | | | |
| " | " | 23340 | 39.0 | 40.5 | 1.50 | 2.15 | | | |
| " | " | 23341 | 40.5 | 41.0 | 0.50 | 0.60 | 41.0 | 357918 | 5789656 |
| | | | | | **41.00** | **1.48%/40.5m** | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 24-Aug-10 | CS-15.11 | 23346 | 0.0 | 1.5 | 1.50 | 1.66 | 0.0 | 357361 | 5789851 |
| " | " | 23347 | 1.5 | 3.0 | 1.50 | 0.50 | | | |
| " | " | 23348 | 3.0 | 4.5 | 1.50 | 1.38 | | | |
| " | " | 23349 | 4.5 | 6.0 | 1.50 | 0.70 | | | |
| " | " | 23350 | 6.0 | 7.5 | 1.50 | 0.14 | | | |
| " | " | 23351 | 7.5 | 9.0 | 1.50 | 0.90 | | | |
| " | " | 23352 | 9.0 | 10.5 | 1.50 | 1.01 | | | |
| " | " | 23353 | 10.5 | 12.0 | 1.50 | 1.21 | | | |
| " | " | 23354 | 12.0 | 13.5 | 1.50 | 0.49 | | | |
| " | " | 23355 | 13.5 | 15.0 | 1.50 | 1.52 | | | |
| " | " | 23356 | 15.0 | 16.5 | 1.50 | 1.73 | | | |
| " | " | 23358 | 16.5 | 18.0 | 1.50 | 1.70 | | | |
| " | " | 23359 | 18.0 | 19.5 | 1.50 | 0.83 | | | |
| " | " | 23360 | 19.5 | 20.0 | 0.50 | 0.82 | 20.0 | 357364 | 5789869 |
| | | | | | **20.00** | **1.05%/20.0m** | | | |

Annex 2 (part2 of 2)

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 24-Aug-10 | CS-15.12 | 23361 | 0.0 | 1.5 | 1.50 | 1.05 | 0 | 357301 | 5789828 |
| " | " | 23362 | 1.5 | 2.7 | 1.20 | 2.11 | | | |
| " | " | 23363 | 2.7 | 4.3 | 1.60 | 1.08 | | | |
| " | " | 23364 | 4.3 | 6.3 | 2.00 | 1.39 | | | |
| " | " | 23365 | 6.3 | 7.1 | 0.80 | 1.66 | | | |
| " | " | 23366 | 7.1 | 8.5 | 1.40 | 1.11 | | | |
| " | " | 23367 | 8.5 | 10.5 | 2.00 | 0.23 | | | |
| " | " | 23368 | 10.5 | 11.9 | 1.40 | 1.29 | | | |
| " | " | 23369 | 11.9 | 13.6 | 1.70 | 1.70 | | | |
| " | " | 23370 | 13.6 | 15.1 | 1.50 | 0.84 | | | |
| " | " | 23371 | 15.1 | 16.6 | 1.50 | 0.58 | | | |
| " | " | 23372 | 16.6 | 17.5 | 0.90 | 1.37 | | | |
| " | " | 23373 | 17.5 | 19.0 | 1.50 | 1.30 | | | |
| " | " | 23374 | 19.0 | 20.5 | 1.50 | 0.67 | | | |
| " | " | 23375 | 20.5 | 22.0 | 1.50 | 1.05 | | | |
| " | " | 23376 | 22.0 | 22.5 | 0.50 | 1.46 | 22.5 | 357299 | 5789853 |
| | | | | | **22.50** | **1.12%/22.5m** | | | |

## ANNEX 3: List of Certificates COREM [B23] assays on core samples

| COREM | | | | COREM | | |
|---|---|---|---|---|---|---|
| Assay | Assay # | Certificate # | | Assay | Assay # | Certificate # |
| (#) | from-to | | | (#) | from-to | |
| 60 | 753001-753060 | COREM27921 | | 10 | 279961-279970 | COREM28311 |
| 20 | 753061-753080 | COREM27934 | | 20 | 0091-0110 | COREM28312 |
| 20 | 753081-753100 | COREM27935 | | 20 | 0111-0130 | COREM28313 |
| 20 | 753101-753120 | COREM27936 | | 20 | 0131-0150 | COREM28318 |
| 20 | 753121-753140 | COREM27937 | | 20 | 0151-0170 | COREM28319 |
| 20 | 753141-753160 | COREM27938 | | 20 | 0171-0190 | COREM28320 |
| 20 | 753161-753180 | COREM28047 | | 20 | 279971-279990 | COREM28325 |
| 24 | 753238-753261 | COREM28073 | | 10 | 279991-280000 | COREM28326 |
| 24 | 753262-753285 | COREM28074 | | 20 | 0191 - 0210 | COREM28327 |
| 20 | 753181-753200 | COREM28081 | | 20 | 0211 - 0230 | COREM28328 |
| 37 | 753201-753237 | COREM28082 | | 20 | 0261-0280 | COREM28334 |
| 24 | 753286-753309 | COREM28083 | | 13 | 0281-0293 | COREM28335 |
| 24 | 753310-753333 | COREM28084 | | 20 | 0507-0526 | COREM28340 |
| 22 | 753334-753355 | COREM28085 | | 20 | 0527-0546 | COREM28341 |
| 20 | 753356-753375 | COREM28086 | | 20 | 0547-0566 | COREM28342 |
| 15 | 753376-753390 | COREM28087 | | 20 | 0567-0586 | COREM28343 |
| 20 | 753391-753410 | COREM28147 | | 25 | 0587-0611 | COREM28344 |
| 20 | 753411-753430 | COREM28148 | | 20 | 0612-0631 | COREM28351 |
| 20 | 753431-753450 | COREM28149 | | 20 | 0632-0651 | COREM28352 |
| 30 | 753451-753480 | COREM28150 | | 29 | 0652-0680 | COREM28353 |
| 21 | 753481-753501 | COREM28154 | | 30 | 0231-0260 | COREM28354 |
| 20 | 753502-753521 | COREM28155 | | 20 | 0294-0313 | COREM28365 |
| 24 | 753522-753545 | COREM28156 | | 20 | 0314-0333 | COREM28366 |
| 5 | 753546-753550 | COREM28182 | | 20 | 0334-0353 | COREM28367 |
| 15 | 279551-279565 | COREM28182 | | 7 | 0354-0360 | COREM28368 |
| 20 | 279566-279585 | COREM28183 | | 7 | 568814-568820 | COREM28368 |
| 15 | 279586-279600 | COREM28184 | | 20 | 0681-0700 | COREM28389 |
| 20 | 279601-279620 | COREM28237 | | 22 | 0701-0722 | COREM28390 |
| 20 | 279621-279640 | COREM28238 | | 20 | 0723-0742 | COREM28397 |

| | | | | | |
|---|---|---|---|---|---|
| 20 | 279641-279660 | COREM28239 | 24 | 0743-0766 | COREM28398 |
| 20 | 279661-279680 | COREM28240 | 14 | 0767-0780 | COREM28399 |
| 30 | 279681-279710 | COREM28250 | 31 | 0361-0391 | COREM28400 |
| 20 | 279711-279730 | COREM28277 | 20 | 0781-0800 | COREM28429 |
| 20 | 279731-279750 | COREM28278 | 20 | 0801-0820 | COREM28430 |
| 20 | 279751-279770 | COREM28279 | 17 | 0821-0837 | COREM28431 |
| 20 | 279771-279790 | COREM28281 | 20 | 0392-0411 | COREM28432 |
| 20 | 279791-279810 | COREM28282 | 19 | 0412-0430 | COREM28433 |
| 20 | 279811-279830 | COREM28283 | 10 | 568791-568800 | COREM28434 |
| 20 | 279831-279850 | COREM28284 | 20 | 0838-0857 | COREM28450 |
| 17 | 279851-279867 | COREM28286 | 20 | 0858-0877 | COREM28451 |
| 23 | 279868-279890 | COREM28289 | 23 | 0878-0900 | COREM28452 |
| 20 | 0051-0070 | COREM28292 | 20 | 1001-1020 | COREM28453 |
| 20 | 0070-0090 | COREM28293 | 16 | 1021-1036 | COREM28455 |
| 10 | 0951-0960 | COREM28294 | 20 | 0431-0450 | COREM28461 |
| 10 | 568781-568790 | COREM28294 | 20 | 0451-0470 | COREM28462 |
| 20 | 279891-279910 | COREM28295 | 30 | 0471-0500 | COREM28463 |
| 20 | 279911-279930 | COREM28296 | 20 | 1037-1056 | COREM28464 |
| 30 | 279931-279960 | COREM28297 | 14 | 1057-1070 | COREM28465 |
| 20 | 0901-0920 | COREM28473 | 20 | 1735-1754 | COREM28679 |
| 20 | 0921-0940 | COREM28474 | 16 | 1755-1770 | COREM28680 |
| 10 | 0961-0970 | COREM28475 | 20 | 1771-1790 | COREM28685 |
| 10 | 1501-1510 | COREM28475 | 20 | 1791-1810 | COREM28686 |
| 7 | 0941-0947 | COREM28499 | 24 | 1421-1444 | COREM28687 |
| 13 | 1071-1083 | COREM28499 | 20 | 2401-2420 | COREM28723 |
| 20 | 1084-1103 | COREM28500 | 20 | 2421-2440 | COREM28724 |
| 27 | 1104-1130 | COREM28501 | 20 | 2441-2460 | COREM28725 |
| 15 | 1131-1145 | COREM28506 | 20 | 2461-2480 | COREM28726 |
| 1 | 1148 | COREM28506 | 20 | 2481-2500 | COREM28726 |
| 3 | 1152-1154 | COREM28506 | 3 | 982-984 | COREM28727 |
| 20 | 1155-1174 | COREM28507 | 2 | 568833-568834 | COREM28727 |
| 20 | 1175-1194 | COREM28508 | 1 | 1287 | COREM28727 |
| 26 | 1195-1220 | COREM28509 | 21 | 2034-2054 | COREM28728 |
| 15 | 1511-1525 | COREM28534 | 20 | 1445-1464 | COREM28734 |
| 4 | 1526-1529 | COREM28671 | 20 | 1465-1484 | COREM28735 |
| 20 | 1530-1549 | COREM28535 | 16 | 1485-1500 | COREM28736 |

| | | | | | |
|---|---|---|---|---|---|
| 21 | 1550-1570 | COREM28536 | 15 | 1811-1825 | COREM28737 |
| 20 | 1901-1920 | COREM28537 | 20 | 1826-1845 | COREM28754 |
| 27 | 1921-1947 | COREM28538 | 20 | 1846-1865 | COREM28755 |
| 8 | 1221-1228 | COREM28539 | 20 | 1866-1885 | COREM28756 |
| 20 | 1229-1248 | COREM28547 | 15 | 1886-1900 | COREM28757 |
| 20 | 1249-1268 | COREM28548 | 20 | 2001-2020 | COREM28758 |
| 18 | 1269-1286 | COREM28549 | 13 | 2021-2033 | COREM28759 |
| 11 | 1288-1298 | COREM28550 | 20 | 2055-2074 | COREM28767 |
| Rp | 0811-0812 | COREM28551 | 20 | 2075-2094 | COREM28768 |
| 20 | 1571-1590 | COREM28551 | 20 | 2095-2114 | COREM28769 |
| 1 | 978 | COREM28562 | 20 | 2115-2134 | COREM28770 |
| 19 | 1299-1317 | COREM28562 | 12 | 2135-2146 | COREM28771 |
| 20 | 1318-1337 | COREM28563 | 20 | 2147-2166 | COREM28783 |
| 20 | 1338-1357 | COREM28564 | 20 | 2167-2186 | COREM28784 |
| 3 | 1358-1360 | COREM28565 | 20 | 2187-2206 | COREM28785 |
| 20 | 1591-1610 | COREM28565 | 20 | 2207-2226 | COREM28786 |
| 20 | 1948-1967 | COREM28570 | 14 | 2227-2240 | COREM28787 |
| 29 | 1968-1996 | COREM28571 | 20 | 2481-2500 | COREM28788 |
| 20 | 1361-1380 | COREM28619 | 20 | 2501-2520 | COREM28789 |
| 20 | 1381-1400 | COREM28620 | 2 | 985-986 | COREM28789 |
| 10 | 1401-1410 | COREM28621 | 2 | 568835-568836 | COREM28789 |
| 10 | 1411-1420 | COREM28626 | 20 | 2241-2260 | COREM28798 |
| 10 | 1611-1620 | COREM28626 | 20 | 2261-2280 | COREM28799 |
| 20 | 1621-1640 | COREM28627 | 20 | 2281-2300 | COREM28800 |
| 20 | 1641-1660 | COREM28628 | 20 | 2301-2320 | COREM28801 |
| 20 | 1661-1680 | COREM28635 | 20 | 2321-2340 | COREM28802 |
| 20 | 1681-1700 | COREM28636 | 20 | 2341-2360 | COREM28803 |
| 20 | 1701-1720 | COREM28637 | 20 | 2361-2380 | COREM28804 |
| 10 | 568821-568830 | COREM28638 | 15 | 2381-2395 | COREM28805 |
| 7 | 0971-0977 | COREM28671 | 5 | 2396-2400 | COREM28818 |
| 2 | 1150-1151 | COREM28671 | 15 | 2521-2535 | COREM28818 |
| 2 | 1146-1147 | COREM28671 | 20 | 2536-2555 | COREM28819 |
| 4 | 1526-1529 | COREM28671 | 20 | 2556-2575 | COREM28820 |
| 1 | 1149 | COREM28678 | 19 | 2576-2594 | COREM28821 |
| 3 | 0979-0981 | COREM28678 | 7 | 987-993 | COREM28822 |
| 14 | 1721-1734 | COREM28678 | 3 | 568837-568839 | COREM28822 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | 568831-568832 | COREM28678 | | 1 | 1063 | COREM1063rp |
| | | | | | | |
| 1 | 1053rp | COREM28684.2 | | 3 | 1738-1740rp | COREM29072 |
| 1 | 1094rp | COREM28684.2 | | 1 | 1749rp | COREM29072 |
| 1 | 279610rp | COREM28684.2 | | 1 | 1094rp | COREM29072 |
| 1 | 279980rp | COREM28684.2 | | 1 | 2253rp | COREM29072 |
| 1 | 753410rp | COREM28684.2 | | 1 | 415rp | COREM29073 |
| 1 | 753490rp | COREM28684.2 | | 1 | 753320rp | COREM29073 |
| 1 | 279652rp | COREM28805 | | 1 | 753410rp | COREM29073 |
| 1 | 279750rp | COREM28805 | | 1 | 1092rp | COREM29075 |
| 1 | 279790rp | COREM28805 | | 1 | 1170rp | COREM29075 |
| 1 | 1702rp | COREM28823 | | 1 | 75319rp | COREM29075 |
| 3 | 1738-1740rp | COREM28823 | | 1 | 2101rp | COREM29075 |
| 2 | 1749-1750rp | COREM28823 | | 1 | 2103rp | COREM29075 |
| 1 | 1513rp | COREM28880 | | 1 | 0539rp | COREM29142 |
| 1 | 568825rp | COREM28880 | | 2 | 0798-0799rp | COREM29941 |
| 1 | 2253rp | COREM28916 | | 2 | 2 X 1738rp | COREM29941 |
| 1 | 2345rp | COREM28931 | | 2 | 2 X 2101rp | COREM29941 |
| 1 | 2528rp | COREM29015 | | 1 | 75410rp | COREM29941 |

COREM

CONIAGAS RESOURCES LTD.

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**James McCann**
**100515 CONIAGAS Resources Ltd.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28149- 1 | 28149- 2 | 28149- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753431 | 753432 | 753433 |
| B23- 1 Analyse | 2009-07-20 | 2009-07-20 | 2009-07-20 |
| B23- 1 Li | 0.794 % | 0.832 % | 0.530 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28149- 4 | 28149- 5 | 28149- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753434 | 753435 | 753436 |
| B23- 1 Analyse | 2009-07-20 | 2009-07-20 | 2009-07-20 |
| B23- 1 Li | 644 mg/kg | 0.434 % | 0.729 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28149- 7 | 28149- 8 | 28149- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753437 | 753438 | 753439 |
| B23- 1 Analyse | 2009-07-20 | 2009-07-20 | 2009-07-20 |
| B23- 1 Li | 0.530 % | 0.492 % | 0.614 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28149- 10 | 28149- 11 | 28149- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753440 | 753441 | 753442 |
| B23- 1 Analyse | 2009-07-20 | 2009-07-20 | 2009-07-20 |
| B23- 1 Li | 0.360 % | 0.680 % | 0.695 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28149- 13 | 28149- 14 | 28149- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753443 | 753444 | 753445 |
| B23- 1 Analyse | 2009-07-20 | 2009-07-20 | 2009-07-20 |
| B23- 1 Li | 0.580 % | 0.523 % | 0.369 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28149- 16 | 28149- 17 | 28149- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753446 | 753447 | 753448 |
| B23- 1 Analyse | 2009-07-20 | 2009-07-20 | 2009-07-20 |
| B23- 1 Li | 0.778 % | 0.556 % | 1.75 % |

COREM

**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
Échantillons reçus 15-07
Date de réception : **2009-07-15**
Certificat émis le .: **2011-08-01**

**James McCann**
**100515 CONIAGAS Resources Ltd.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28149- 19 | 28149- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 753449 | 753450 |
| B23- 1 Analyse | | 2009-07-20 | 2009-07-20 |
| B23- 1 Li | | 0.440 % | < 50.0 mg/kg |

Responsable : Alain Perron, chimiste, M.Sc.

Ce rapport contient des renseignements protégés et confidentiels à l'intention du destinataire. Les résultats ne se rapportent qu'aux échantillons soumis à l'analyse. Cette version remplace et annule toute version antérieure, le cas échéant. * Analyse faite par un sous-traitant.

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**James McCann**
**100515 CONIAGAS Resources Ltd.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28149- 1 | 28149- 2 | 28149- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753431 | 753432 | 753433 |
| B23- 1 Analyse | 2009-07-20 | 2009-07-20 | 2009-07-20 |
| B23- 1 Li | 0.794 % | 0.832 % | 0.530 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28149- 4 | 28149- 5 | 28149- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753434 | 753435 | 753436 |
| B23- 1 Analyse | 2009-07-20 | 2009-07-20 | 2009-07-20 |
| B23- 1 Li | 644 mg/kg | 0.434 % | 0.729 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28149- 7 | 28149- 8 | 28149- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753437 | 753438 | 753439 |
| B23- 1 Analyse | 2009-07-20 | 2009-07-20 | 2009-07-20 |
| B23- 1 Li | 0.530 % | 0.492 % | 0.614 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28149- 10 | 28149- 11 | 28149- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753440 | 753441 | 753442 |
| B23- 1 Analyse | 2009-07-20 | 2009-07-20 | 2009-07-20 |
| B23- 1 Li | 0.360 % | 0.680 % | 0.695 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28149- 13 | 28149- 14 | 28149- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753443 | 753444 | 753445 |
| B23- 1 Analyse | 2009-07-20 | 2009-07-20 | 2009-07-20 |
| B23- 1 Li | 0.580 % | 0.523 % | 0.369 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28149- 16 | 28149- 17 | 28149- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753446 | 753447 | 753448 |
| B23- 1 Analyse | 2009-07-20 | 2009-07-20 | 2009-07-20 |
| B23- 1 Li | 0.778 % | 0.556 % | 1.75 % |

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**RAPPORT D'ANALYSE version 1**

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Date de réception : **2009-07-15**
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**James McCann**
**100515 CONIAGAS Resources Ltd.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28149- 19 | 28149- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 753449 | 753450 |
| B23- 1 Analyse | | 2009-07-20 | 2009-07-20 |
| B23- 1 Li | | 0.440 % | < 50.0 mg/kg |

Responsable : Alain Perron

Alain Perron, chimiste, M.Sc.



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| | | | |
|---|---|---|---|
| Numéro COREM : | 28150- 1 | 28150- 2 | 28150- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753451 | 753452 | 753453 |
| B23- 1 Analyse | 2009-07-20 | 2009-07-20 | 2009-07-20 |
| B23- 1 Li | 0.576 % | 217 mg/kg | 0.375 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28150- 4 | 28150- 5 | 28150- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753454 | 753455 | 753456 |
| B23- 1 Analyse | 2009-07-20 | 2009-07-20 | 2009-07-20 |
| B23- 1 Li | 0.767 % | 0.346 % | 0.136 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28150- 7 | 28150- 8 | 28150- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753457 | 753458 | 753459 |
| B23- 1 Analyse | 2009-07-20 | 2009-07-20 | 2009-07-20 |
| B23- 1 Li | 0.344 % | 0.484 % | 0.674 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28150- 10 | 28150- 11 | 28150- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753460 | 753461 | 753462 |
| B23- 1 Analyse | 2009-07-20 | 2009-07-20 | 2009-07-20 |
| B23- 1 Li | 0.592 % | 0.700 % | 0.443 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28150- 13 | 28150- 14 | 28150- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753463 | 753464 | 753465 |
| B23- 1 Analyse | 2009-07-20 | 2009-07-20 | 2009-07-20 |
| B23- 1 Li | 0.685 % | 0.530 % | 0.407 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28150- 16 | 28150- 17 | 28150- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753466 | 753467 | 753468 |
| B23- 1 Analyse | 2009-07-20 | 2009-07-20 | 2009-07-21 |
| B23- 1 Li | 123 mg/kg | 144 mg/kg | 1.52 % |



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**100515 CONIAGAS Resources Ltd.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28150- 19 | 28150- 20 | 28150- 21 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753469 | 753470 | 753471 |
| B23- 1 Analyse | 2009-07-21 | 2009-07-21 | 2009-07-21 |
| B23- 1 Li | 0.394 % | 0.384 % | 0.172 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28150- 22 | 28150- 23 | 28150- 24 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753472 | 753473 | 753474 |
| B23- 1 Analyse | 2009-07-21 | 2009-07-21 | 2009-07-21 |
| B23- 1 Li | 0.276 % | 0.687 % | 0.741 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28150- 25 | 28150- 26 | 28150- 27 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753475 | 753476 | 753477 |
| B23- 1 Analyse | 2009-07-21 | 2009-07-21 | 2009-07-21 |
| B23- 1 Li | 0.913 % | 0.950 % | 1.29 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28150- 28 | 28150- 29 | 28150- 30 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753478 | 753479 | 753480 |
| B23- 1 Analyse | 2009-07-21 | 2009-07-21 | 2009-07-21 |
| B23- 1 Li | 1.97 % | 1.20 % | 0.594 % |

Responsable :

Alain Perron, chimiste, M.Sc.



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| | | | |
|---|---|---|---|
| Numéro COREM : | 28150- 1 | 28150- 2 | 28150- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753451 | 753452 | 753453 |
| B23- 1 Analyse | 2009-07-20 | 2009-07-20 | 2009-07-20 |
| B23- 1 Li | 0.576 % | 217 mg/kg | 0.375 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28150- 4 | 28150- 5 | 28150- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753454 | 753455 | 753456 |
| B23- 1 Analyse | 2009-07-20 | 2009-07-20 | 2009-07-20 |
| B23- 1 Li | 0.767 % | 0.346 % | 0.136 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28150- 7 | 28150- 8 | 28150- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753457 | 753458 | 753459 |
| B23- 1 Analyse | 2009-07-20 | 2009-07-20 | 2009-07-20 |
| B23- 1 Li | 0.344 % | 0.484 % | 0.674 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28150- 10 | 28150- 11 | 28150- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753460 | 753461 | 753462 |
| B23- 1 Analyse | 2009-07-20 | 2009-07-20 | 2009-07-20 |
| B23- 1 Li | 0.592 % | 0.700 % | 0.443 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28150- 13 | 28150- 14 | 28150- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753463 | 753464 | 753465 |
| B23- 1 Analyse | 2009-07-20 | 2009-07-20 | 2009-07-20 |
| B23- 1 Li | 0.685 % | 0.530 % | 0.407 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28150- 16 | 28150- 17 | 28150- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753466 | 753467 | 753468 |
| B23- 1 Analyse | 2009-07-20 | 2009-07-20 | 2009-07-21 |
| B23- 1 Li | 123 mg/kg | 144 mg/kg | 1.52 % |



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| | | | |
|---|---|---|---|
| Numéro COREM : | 28150- 19 | 28150- 20 | 28150- 21 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753469 | 753470 | 753471 |
| B23- 1 Analyse | 2009-07-21 | 2009-07-21 | 2009-07-21 |
| B23- 1 Li | 0.394 % | 0.384 % | 0.172 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28150- 22 | 28150- 23 | 28150- 24 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753472 | 753473 | 753474 |
| B23- 1 Analyse | 2009-07-21 | 2009-07-21 | 2009-07-21 |
| B23- 1 Li | 0.276 % | 0.687 % | 0.741 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28150- 25 | 28150- 26 | 28150- 27 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753475 | 753476 | 753477 |
| B23- 1 Analyse | 2009-07-21 | 2009-07-21 | 2009-07-21 |
| B23- 1 Li | 0.913 % | 0.950 % | 1.29 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28150- 28 | 28150- 29 | 28150- 30 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753478 | 753479 | 753480 |
| B23- 1 Analyse | 2009-07-21 | 2009-07-21 | 2009-07-21 |
| B23- 1 Li | 1.97 % | 1.20 % | 0.594 % |

Responsable : Alain Perron, chimiste, M.Sc.



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Date de réception : **2009-07-16**
Certificat émis le .: **2011-08-01**

**James McCann**
**100515 CONIAGAS Resources Ltd.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28154- 1 | 28154- 2 | 28154- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753481 | 753482 | 753483 |
| B23- 1 Analyse | 2009-07-21 | 2009-07-21 | 2009-07-21 |
| B23- 1 Li | 0.134 % | 0.139 % | 0.722 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28154- 4 | 28154- 5 | 28154- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753484-753485 | 753486 | 753487 |
| B23- 1 Analyse | 2009-07-21 | 2009-07-21 | 2009-07-21 |
| B23- 1 Li | 0.561 % | 0.247 % | 0.297 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28154- 7 | 28154- 8 | 28154- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753488 | 753489 | 753490 |
| B23- 1 Analyse | 2009-07-21 | 2009-07-21 | 2009-07-21 |
| B23- 1 Li | 0.704 % | 0.707 % | 55.5 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28154- 10 | 28154- 11 | 28154- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753491 | 753492 | 753493 |
| B23- 1 Analyse | 2009-07-21 | 2009-07-21 | 2009-07-21 |
| B23- 1 Li | 467 mg/kg | 0.123 % | 0.560 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28154- 13 | 28154- 14 | 28154- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753494 | 753495 | 753496 |
| B23- 1 Analyse | 2009-07-21 | 2009-07-21 | 2009-07-21 |
| B23- 1 Li | 0.902 % | 0.698 % | 0.644 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28154- 16 | 28154- 17 | 28154- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753497 | 753498 | 753499 |
| B23- 1 Analyse | 2009-07-21 | 2009-07-21 | 2009-07-21 |
| B23- 1 Li | 0.513 % | 374 mg/kg | 0.315 % |



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| | | |
|---|---|---|
| Numéro COREM : | 28154- 19 | 28154- 20 |
| Nature : | SOLIDES | SOLIDES |
| Désignation : | 753500 | 753501 |
| B23- 1 Analyse | 2009-07-21 | 2009-07-21 |
| B23- 1 Li | 0.369 % | 0.656 % |

Responsable : Alain Perron, chimiste, M.Sc.



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| | | | |
|---|---|---|---|
| Numéro COREM : | 28154- 1 | 28154- 2 | 28154- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753481 | 753482 | 753483 |
| B23- 1 Analyse | 2009-07-21 | 2009-07-21 | 2009-07-21 |
| B23- 1 Li | 0.134 % | 0.139 % | 0.722 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28154- 4 | 28154- 5 | 28154- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753484-753485 | 753486 | 753487 |
| B23- 1 Analyse | 2009-07-21 | 2009-07-21 | 2009-07-21 |
| B23- 1 Li | 0.561 % | 0.247 % | 0.297 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28154- 7 | 28154- 8 | 28154- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753488 | 753489 | 753490 |
| B23- 1 Analyse | 2009-07-21 | 2009-07-21 | 2009-07-21 |
| B23- 1 Li | 0.704 % | 0.707 % | 55.5 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28154- 10 | 28154- 11 | 28154- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753491 | 753492 | 753493 |
| B23- 1 Analyse | 2009-07-21 | 2009-07-21 | 2009-07-21 |
| B23- 1 Li | 467 mg/kg | 0.123 % | 0.560 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28154- 13 | 28154- 14 | 28154- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753494 | 753495 | 753496 |
| B23- 1 Analyse | 2009-07-21 | 2009-07-21 | 2009-07-21 |
| B23- 1 Li | 0.902 % | 0.698 % | 0.644 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28154- 16 | 28154- 17 | 28154- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753497 | 753498 | 753499 |
| B23- 1 Analyse | 2009-07-21 | 2009-07-21 | 2009-07-21 |
| B23- 1 Li | 0.513 % | 374 mg/kg | 0.315 % |

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Échantillons reçus 16-07
Date de réception : **2009-07-16**
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**James McCann**
**100515 CONIAGAS Resources Ltd.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28154- 19 | 28154- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 753500 | 753501 |
| B23- 1 Analyse | | 2009-07-21 | 2009-07-21 |
| B23- 1 Li | | 0.369 % | 0.656 % |

Responsable :

Alain Perron, chimiste, M.Sc.

Ce rapport contient des renseignements protégés et confidentiels à l'intention du destinataire. Les résultats ne se rapportent qu'aux échantillons soumis à l'analyse. Cette version remplace et annule toute version antérieure, le cas échéant. * Analyse faite par un sous-traitant.

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**James McCann**
**100563 Lithium One Inc.**

Date de réception : **2009-08-12**
Certificat émis le .: **2009-08-17**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28335- 1 | 28335- 2 | 28335- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0281 | 0282 | 0283 |
| B23- 1 Analyse | 2009-08-14 | 2009-08-14 | 2009-08-14 |
| B23- 1 Li | 0.796 % | 0.982 % | 0.850 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28335- 4 | 28335- 5 | 28335- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0284 | 0285 | 0286 |
| B23- 1 Analyse | 2009-08-14 | 2009-08-14 | 2009-08-14 |
| B23- 1 Li | 0.634 % | 0.328 % | 0.769 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28335- 7 | 28335- 8 | 28335- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0287 | 0288 | 0289 |
| B23- 1 Analyse | 2009-08-14 | 2009-08-14 | 2009-08-14 |
| B23- 1 Li | 0.957 % | 1.39 % | 0.725 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28335- 10 | 28335- 11 | 28335- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0290 | 0291 | 0292 |
| B23- 1 Analyse | 2009-08-14 | 2009-08-14 | 2009-08-17 |
| B23- 1 Li | 0.286 % | 0.498 % | < 50.0 mg/kg |

| | |
|---|---|
| Numéro COREM : | 28335- 13 |
| Nature : | SOLIDES |
| Désignation : | 0293 |
| B23- 1 Analyse | 2009-08-17 |
| B23- 1 Li | 0.562 % |

Responsable :

Alain Perron, chimiste, M.Sc.

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28473- 1 | 28473- 2 | 28473- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0901 | 0902 | 0903 |
| B23- 1 Analyse | 2009-08-27 | 2009-08-27 | 2009-08-27 |
| B23- 1 Li | 0.763 % | 0.891 % | 0.311 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28473- 4 | 28473- 5 | 28473- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0904 | 0905 | 0906 |
| B23- 1 Analyse | 2009-08-27 | 2009-08-27 | 2009-08-27 |
| B23- 1 Li | 0.892 % | 0.639 % | 1.22 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28473- 7 | 28473- 8 | 28473- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0907 | 0908 | 0909 |
| B23- 1 Analyse | 2009-08-27 | 2009-08-27 | 2009-08-27 |
| B23- 1 Li | 0.812 % | 0.736 % | 0.745 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28473- 10 | 28473- 11 | 28473- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0910 | 0911 | 0912 |
| B23- 1 Analyse | 2009-08-27 | 2009-08-27 | 2009-08-27 |
| B23- 1 Li | 1.28 % | 0.930 % | 0.449 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28473- 13 | 28473- 14 | 28473- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0913 | 0914 | 0915 |
| B23- 1 Analyse | 2009-08-27 | 2009-08-27 | 2009-08-27 |
| B23- 1 Li | 0.753 % | 0.367 % | 0.616 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28473- 16 | 28473- 17 | 28473- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0916 | 0917 | 0918 |
| B23- 1 Analyse | 2009-08-27 | 2009-08-27 | 2009-08-27 |
| B23- 1 Li | 1.29 % | 0.470 % | 0.437 % |

COREM

# RAPPORT D´ANALYSE version 1

Votre référence ...: **LSA-2009-17**
0901 à 0920
Date de réception : **2009-08-26**
Certificat émis le .: **2009-08-27**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | | 28473- 19 | 28473- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 0919 | 0920 |
| B23- 1 Analyse | | 2009-08-27 | 2009-08-27 |
| B23- 1 Li | | 0.435 % | 0.801 % |

Responsable :

Bernard Montminy, chimiste, M.Sc.
Directeur adjoint à la réalisation technique



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Table Jamésienne de Concertation Minière (Division CÉAQ)

Isabelle Milord
958, 3é rue

Chibougamau,Québec
G8P 1R6



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## RAPPORT D'ANALYSE version 1

Votre référence ...: **1063 rp**

1063 rp

Date de réception : **2009-09-03**

Certificat émis le .: **2009-09-09**

**Isabelle Milord**

**100570 Table Jamésienne de Concertation Minière (Division CÉAQ)**

| | | |
|---|---|---|
| Numéro COREM | : | 28552- 1 |
| Nature | : | SOLIDES |
| Désignation | : | 1063 rp |

| | | |
|---|---|---|
| B23- 1 | Analyse | 2009-09-08 |
| B23- 1 | Li | 0.698 % |

Responsable :

Bernard Montminy, chimiste, M.Sc.
Directeur adjoint à la réalisation technique



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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
568821 à 568830
Date de réception : **2009-09-14**
Certificat émis le .: **2009-09-17**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28638- 1 | 28638- 2 | 28638- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 568821 | 568822 | 568823 |
| B23- 1 Analyse | 2009-09-17 | 2009-09-17 | 2009-09-17 |
| B23- 1 Li | 0.841 % | 256 mg/kg | 0.206 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28638- 4 | 28638- 5 | 28638- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 568824 | 568825 | 568826 |
| B23- 1 Analyse | 2009-09-17 | 2009-09-17 | 2009-09-17 |
| B23- 1 Li | 0.632 % | 0.708 % | 0.698 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28638- 7 | 28638- 8 | 28638- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 568827 | 568828 | 568829 |
| B23- 1 Analyse | 2009-09-17 | 2009-09-17 | 2009-09-17 |
| B23- 1 Li | 1.03 % | 0.771 % | 0.955 % |

| | |
|---|---|
| Numéro COREM : | 28638- 10 |
| Nature : | SOLIDES |
| Désignation : | 568830 |
| B23- 1 Analyse | 2009-09-17 |
| B23- 1 Li | 0.929 % |

Responsable :

Bernard Montminy,chimiste,M.Sc.
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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**

A45 et Be

Date de réception : **2009-09-15**

Certificat émis le .: **2009-10-16**

**James McCann**

**100563 Lithium One Inc.**

| | | | | |
|---|---|---|---|---|
| Numéro COREM : | | 28647- 1 | 28647- 2 | 28647- 3 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 245 | 247 | 249 |
| A45- 1 | Analyse | 2009-10-16 | 2009-10-16 | 2009-10-16 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 9.4 % | 8.8 % | 9.2 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.31 % | 0.16 % | 0.19 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.63 % | 0.72 % | 0.78 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 2.6 % | 2.2 % | 2.2 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | 0.06 % | 0.06 % | < 0.05 % |
| A45- 1 | Mn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 2.6 % | 2.7 % | 3.0 % |
| A45- 1 | Nb | 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 50 % | 50 % | 50 % |
| A45- 1 | P | 0.15 % | 0.15 % | 0.16 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 34 % | 35 % | 35 % |
| A45- 1 | Sn | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sr | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | < 0.01 % |



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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
A45 et Be
Date de réception : **2009-09-15**
Certificat émis le .: **2009-10-16**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28647- 1 | 28647- 2 | 28647- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 245 | 247 | 249 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-10-09 | 2009-10-09 | 2009-10-09 |
| B05- 1 Be | 114 mg/kg | 73.7 mg/kg | 88.1 mg/kg |



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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**

A45 et Be

Date de réception : **2009-09-15**

Certificat émis le .: **2009-10-16**

**James McCann**

**100563 Lithium One Inc.**

| | | | | | |
|---|---|---|---|---|---|
| Numéro COREM : | | 28647- 4 | 28647- 5 | 28647- 6 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 252 | 254 | 858 |
| A45- 1 | Analyse | 2009-10-16 | 2009-10-16 | 2009-10-16 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 9.0 % | 10 % | 9.6 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.16 % | 0.21 % | 0.15 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.66 % | 0.58 % | 0.52 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 2.6 % | 1.7 % | 1.4 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | 0.06 % | < 0.05 % | 0.06 % |
| A45- 1 | Mn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 3.5 % | 4.1 % | 4.4 % |
| A45- 1 | Nb | < 0.01 % | 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 49 % | 50 % | 50 % |
| A45- 1 | P | 0.16 % | 0.20 % | 0.20 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 34 % | 34 % | 34 % |
| A45- 1 | Sn | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sr | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | < 0.01 % |



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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
A45 et Be
Date de réception : **2009-09-15**
Certificat émis le .: **2009-10-16**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28647- 4 | 28647- 5 | 28647- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 252 | 254 | 858 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-10-09 | 2009-10-09 | 2009-10-09 |
| B05- 1 Be | 97.0 mg/kg | 64.0 mg/kg | 76.5 mg/kg |



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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**

A45 et Be

Date de réception : **2009-09-15**

Certificat émis le .: **2009-10-16**

**James McCann**

**100563 Lithium One Inc.**

| | | | | |
|---|---|---|---|---|
| Numéro COREM : | | 28647- 7 | 28647- 8 | 28647- 9 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 861 | 864 | 868 |
| A45- 1 | Analyse | 2009-10-16 | 2009-10-16 | 2009-10-16 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 9.7 % | 9.8 % | 9.4 % |
| A45- 1 | As | 0.08 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.16 % | 0.18 % | 0.18 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.72 % | 0.84 % | 0.75 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 1.4 % | 0.84 % | 2.6 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | < 0.05 % | 0.08 % | < 0.05 % |
| A45- 1 | Mn | < 0.05 % | 0.08 % | 0.05 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 3.5 % | 3.5 % | 3.3 % |
| A45- 1 | Nb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 50 % | 50 % | 49 % |
| A45- 1 | P | 0.11 % | 0.22 % | 0.20 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 34 % | 34 % | 34 % |
| A45- 1 | Sn | < 0.01 % | 0.01 % | < 0.01 % |
| A45- 1 | Sr | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | < 0.01 % |



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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**

A45 et Be

Date de réception : **2009-09-15**

Certificat émis le .: **2009-10-16**

**James McCann**

**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28647- 7 | 28647- 8 | 28647- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 861 | 864 | 868 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-10-09 | 2009-10-09 | 2009-10-09 |
| B05- 1 Be | 17.0 mg/kg | 111 mg/kg | 38.3 mg/kg |



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**James McCann**
**100563 Lithium One Inc.**

| | | | | | |
|---|---|---|---|---|---|
| Numéro COREM : | | 28647- 10 | 28647- 11 | 28647- 12 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 871 | 874 | 878 |
| A45- 1 | Analyse | 2009-10-16 | 2009-10-16 | 2009-10-16 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 9.4 % | 10 % | 9.2 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.24 % | 0.24 % | 0.15 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.65 % | 0.91 % | 0.72 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 1.8 % | 0.70 % | 2.3 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | 0.08 % | 0.07 % | 0.07 % |
| A45- 1 | Mn | < 0.05 % | 0.098 % | < 0.05 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 3.9 % | 3.6 % | 2.6 % |
| A45- 1 | Nb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 50 % | 50 % | 50 % |
| A45- 1 | P | 0.18 % | 0.37 % | 0.20 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 34 % | 34 % | 35 % |
| A45- 1 | Sn | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sr | 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | < 0.01 % |

COREM

**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**

A45 et Be

Date de réception : **2009-09-15**

Certificat émis le .: **2009-10-16**

**James McCann**

**100563 Lithium One Inc.**

| | | | | |
|---|---|---|---|---|
| Numéro COREM : | | 28647- 10 | 28647- 11 | 28647- 12 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 871 | 874 | 878 |
| A45- 1 | Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 | Analyse | 2009-10-09 | 2009-10-09 | 2009-10-09 |
| B05- 1 | Be | 165 mg/kg | 363 mg/kg | 15.4 mg/kg |



**COREM**
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**RAPPORT D'ANALYSE version 1**

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A45 et Be
Date de réception : **2009-09-15**
Certificat émis le .: **2009-10-16**

**James McCann**
**100563 Lithium One Inc.**

| | | | | |
|---|---|---|---|---|
| Numéro COREM : | | 28647- 13 | 28647- 14 | 28647- 15 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 881 | 884 | 887 |
| A45- 1 | Analyse | 2009-10-16 | 2009-10-16 | 2009-10-16 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 9.1 % | 9.2 % | 9.2 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.14 % | 0.13 % | 0.18 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.79 % | 0.82 % | 0.48 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 1.7 % | 0.84 % | 2.8 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mn | 0.06 % | 0.07 % | < 0.05 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 3.6 % | 3.0 % | 3.6 % |
| A45- 1 | Nb | 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 50 % | 50 % | 49 % |
| A45- 1 | P | 0.28 % | 0.20 % | 0.22 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 35 % | 35 % | 34 % |
| A45- 1 | Sn | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sr | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | < 0.01 % |



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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
A45 et Be
Date de réception : **2009-09-15**
Certificat émis le .: **2009-10-16**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28647- 13 | 28647- 14 | 28647- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 881 | 884 | 887 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-10-09 | 2009-10-09 | 2009-10-09 |
| B05- 1 Be | 109 mg/kg | 104 mg/kg | 105 mg/kg |



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**James McCann**
**100563 Lithium One Inc.**

| | | | | | |
|---|---|---|---|---|---|
| Numéro COREM : | | 28647- 16 | 28647- 17 | 28647- 18 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 890 | 893 | 896 |
| A45- 1 | Analyse | 2009-10-16 | 2009-10-16 | 2009-10-16 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 9.2 % | 9.5 % | 9.9 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.17 % | 0.20 % | 0.39 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.63 % | 0.77 % | 0.51 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 3.1 % | 1.5 % | 1.6 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | < 0.05 % | 0.07 % | < 0.05 % |
| A45- 1 | Mn | 0.06 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 3.3 % | 1.8 % | 4.8 % |
| A45- 1 | Nb | < 0.01 % | < 0.01 % | 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 49 % | 50 % | 49 % |
| A45- 1 | P | 0.27 % | 0.22 % | 0.39 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 34 % | 35 % | 33 % |
| A45- 1 | Sn | 0.01 % | 0.01 % | < 0.01 % |
| A45- 1 | Sr | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | < 0.01 % |



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**RAPPORT D'ANALYSE version 1**

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A45 et Be
Date de réception : **2009-09-15**
Certificat émis le .: **2009-10-16**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28647- 16 | 28647- 17 | 28647- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 890 | 893 | 896 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-10-09 | 2009-10-09 | 2009-10-09 |
| B05- 1 Be | 106 mg/kg | 151 mg/kg | 145 mg/kg |



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**James McCann**

**100563 Lithium One Inc.**

| | | | | | |
|---|---|---|---|---|---|
| Numéro COREM : | | 28647- 19 | 28647- 20 | 28647- 21 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 1088 | 1091 | 1095 |
| A45- 1 | Analyse | 2009-10-16 | 2009-10-16 | 2009-10-16 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 9.8 % | 8.8 % | 8.9 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.42 % | 0.25 % | 0.18 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 1.0 % | 0.84 % | 0.67 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 3.0 % | 2.5 % | 1.7 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | 0.14 % | 0.097 % | < 0.05 % |
| A45- 1 | Mn | < 0.05 % | < 0.05 % | 0.08 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 3.1 % | 2.1 % | 3.1 % |
| A45- 1 | Nb | < 0.01 % | < 0.01 % | 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 49 % | 50 % | 50 % |
| A45- 1 | P | 0.29 % | 0.20 % | 0.25 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 33 % | 35 % | 35 % |
| A45- 1 | Sn | < 0.01 % | < 0.01 % | 0.01 % |
| A45- 1 | Sr | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | < 0.01 % |



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A45 et Be
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**James McCann**
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| | | | |
|---|---|---|---|
| Numéro COREM : | 28647- 19 | 28647- 20 | 28647- 21 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1088 | 1091 | 1095 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-10-09 | 2009-10-09 | 2009-10-14 |
| B05- 1 Be | 114 mg/kg | 49.6 mg/kg | 128 mg/kg |



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**James McCann**
**100563 Lithium One Inc.**

| | | | | | |
|---|---|---|---|---|---|
| Numéro COREM : | | 28647- 22 | 28647- 23 | 28647- 24 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 1098 | 1101 | 1104 |
| A45- 1 | Analyse | 2009-10-16 | 2009-10-16 | 2009-10-16 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 9.0 % | 8.9 % | 9.0 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.21 % | 0.18 % | 0.18 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 1.0 % | 0.61 % | 0.60 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 1.9 % | 2.0 % | 2.1 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | 0.11 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mn | 0.06 % | 0.07 % | 0.06 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 3.1 % | 3.1 % | 3.1 % |
| A45- 1 | Nb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 50 % | 50 % | 50 % |
| A45- 1 | P | 0.21 % | 0.19 % | 0.20 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 35 % | 35 % | 35 % |
| A45- 1 | Sn | 0.02 % | < 0.01 % | 0.02 % |
| A45- 1 | Sr | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | < 0.01 % |



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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
A45 et Be
Date de réception : **2009-09-15**
Certificat émis le .: **2009-10-16**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28647- 22 | 28647- 23 | 28647- 24 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1098 | 1101 | 1104 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-10-14 | 2009-10-14 | 2009-10-14 |
| B05- 1 Be | 128 mg/kg | 98.1 mg/kg | 98.2 mg/kg |



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A45 et Be
Date de réception : **2009-09-15**
Certificat émis le .: **2009-10-16**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28647- 25 | |
| Nature | : | SOLIDES | |
| Désignation | : | 1107 | |
| A45- 1 | Analyse | 2009-10-16 | |
| A45- 1 | Ag | < 0.01 | % |
| A45- 1 | Al | 9.2 | % |
| A45- 1 | As | < 0.05 | % |
| A45- 1 | Ba | < 0.05 | % |
| A45- 1 | Bi | < 0.01 | % |
| A45- 1 | Br | < 0.05 | % |
| A45- 1 | Ca | 0.25 | % |
| A45- 1 | Cd | < 0.01 | % |
| A45- 1 | Ce | < 0.05 | % |
| A45- 1 | Cl | < 0.10 | % |
| A45- 1 | Co | < 0.05 | % |
| A45- 1 | Cr | < 0.05 | % |
| A45- 1 | Cs | < 0.05 | % |
| A45- 1 | Cu | < 0.05 | % |
| A45- 1 | F | < 0.10 | % |
| A45- 1 | Fe | 0.56 | % |
| A45- 1 | Ga | < 0.05 | % |
| A45- 1 | K | 3.0 | % |
| A45- 1 | La | < 0.05 | % |
| A45- 1 | Mg | < 0.05 | % |
| A45- 1 | Mn | 0.05 | % |
| A45- 1 | Mo | < 0.01 | % |
| A45- 1 | Na | 3.6 | % |
| A45- 1 | Nb | < 0.01 | % |
| A45- 1 | Ni | < 0.05 | % |
| A45- 1 | O | 49 | % |
| A45- 1 | P | 0.19 | % |
| A45- 1 | Pb | 0.02 | % |
| A45- 1 | S | < 0.05 | % |
| A45- 1 | Sb | < 0.01 | % |
| A45- 1 | Sc | < 0.01 | % |
| A45- 1 | Se | < 0.05 | % |
| A45- 1 | Si | 34 | % |
| A45- 1 | Sn | < 0.01 | % |
| A45- 1 | Sr | < 0.01 | % |
| A45- 1 | Ta | < 0.05 | % |
| A45- 1 | Te | < 0.05 | % |
| A45- 1 | Th | < 0.01 | % |
| A45- 1 | Ti | < 0.05 | % |
| A45- 1 | Tl | < 0.01 | % |
| A45- 1 | V | < 0.05 | % |
| A45- 1 | W | < 0.05 | % |
| A45- 1 | Y | < 0.01 | % |



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**RAPPORT D´ANALYSE version 1**

Votre référence ....: **LSA-2009-17**
A45 et Be
Date de réception : **2009-09-15**
Certificat émis le .: **2009-10-16**

**James McCann**
**100563 Lithium One Inc.**

| | | |
|---|---|---|
| Numéro COREM | : | 28647- 25 |
| Nature | : | SOLIDES |
| Désignation | : | 1107 |
| A45- 1 Zn | | < 0.05 % |
| A45- 1 Zr | | < 0.01 % |
| B05- 1 Analyse | | 2009-10-14 |
| B05- 1 Be | | 91.4 mg/kg |

Responsable :

Bernard Montminy, chimiste, M.Sc.
Directeur adjoint à la réalisation technique

Ce rapport contient des renseignements protégés et confidentiels à l'intention du destinataire. Les résultats ne se rapportent qu'aux échantillons soumis à l'analyse. Cette version remplace et annule toute version antérieure, le cas échéant. * Analyse faite par un sous-traitant.

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**RAPPORT D´ANALYSE version 2**

Votre référence ...: **LSA-2009-17**
A45 et Be
Date de réception : **2009-09-15**
Certificat émis le .: **2009-10-28**

**James McCann**
**100563 Lithium One Inc.**

| | | | | |
|---|---|---|---|---|
| Numéro COREM : | | 28648- 1 | 28648- 2 | 28648- 3 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 753471 | 753473 | 753477 |
| A45- 1 | Analyse | 2009-10-16 | 2009-10-16 | 2009-10-16 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 9.6 % | 8.5 % | 9.5 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.15 % | 0.12 % | 0.19 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.63 % | 0.61 % | 1.3 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 1.3 % | 2.4 % | 0.70 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | 0.11 % | 0.098 % | 0.06 % |
| A45- 1 | Mn | < 0.05 % | 0.05 % | 0.08 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 5.9 % | 2.2 % | 2.2 % |
| A45- 1 | Nb | 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 49 % | 50 % | 50 % |
| A45- 1 | P | 0.13 % | 0.19 % | 0.23 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 33 % | 36 % | 35 % |
| A45- 1 | Sn | 0.01 % | < 0.01 % | 0.01 % |
| A45- 1 | Sr | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | < 0.01 % |



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# RAPPORT D'ANALYSE version 2

Votre référence ...: **LSA-2009-17**

A45 et Be

Date de réception : **2009-09-15**

Certificat émis le .: **2009-10-28**

**James McCann**

**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28648- 1 | 28648- 2 | 28648- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753471 | 753473 | 753477 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-10-14 | 2009-10-14 | 2009-10-14 |
| B05- 1 Be | 135 mg/kg | 144 mg/kg | 264 mg/kg |



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**RAPPORT D'ANALYSE version 2**

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A45 et Be

Date de réception : **2009-09-15**

Certificat émis le .: **2009-10-28**

**James McCann**

**100563 Lithium One Inc.**

| | | | | | |
|---|---|---|---|---|---|
| Numéro COREM : | | 28648- 4 | 28648- 5 | 28648- 6 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 753479 | 753481 | 753037 |
| A45- 1 | Analyse | 2009-10-16 | 2009-10-16 | 2009-10-16 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 10 % | 9.3 % | 8.7 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.25 % | 0.18 % | 0.19 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.88 % | 0.45 % | 0.60 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 0.80 % | 0.92 % | 2.8 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | 0.09 % | 0.05 % | < 0.05 % |
| A45- 1 | Mn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 3.3 % | 6.5 % | 3.3 % |
| A45- 1 | Nb | 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 50 % | 49 % | 49 % |
| A45- 1 | P | 0.17 % | 0.14 % | 0.11 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 34 % | 33 % | 35 % |
| A45- 1 | Sn | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sr | < 0.01 % | < 0.01 % | 0.01 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | < 0.01 % |



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**RAPPORT D'ANALYSE version 2**

Votre référence ...: **LSA-2009-17**

A45 et Be

Date de réception : **2009-09-15**

Certificat émis le .: **2009-10-28**

**James McCann**

**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28648- 4 | 28648- 5 | 28648- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753479 | 753481 | 753037 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-10-14 | 2009-10-14 | 2009-10-14 |
| B05- 1 Be | 251 mg/kg | 105 mg/kg | 134 mg/kg |



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**RAPPORT D´ANALYSE version 2**

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A45 et Be
Date de réception : **2009-09-15**
Certificat émis le .: **2009-10-28**

**James McCann**
**100563 Lithium One Inc.**

| | | | | |
|---|---|---|---|---|
| Numéro COREM : | | 28648- 7 | 28648- 8 | 28648- 9 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 753039 | 753041 | 753043 |
| A45- 1 | Analyse | 2009-10-16 | 2009-10-16 | 2009-10-16 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 8.7 % | 8.9 % | 8.8 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.18 % | 0.16 % | 0.22 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.68 % | 0.69 % | 0.56 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 2.1 % | 1.5 % | 2.2 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | < 0.05 % | 0.09 % | < 0.05 % |
| A45- 1 | Mn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 2.8 % | 3.2 % | 3.4 % |
| A45- 1 | Nb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 50 % | 50 % | 50 % |
| A45- 1 | P | 0.08 % | 0.08 % | 0.09 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 35 % | 35 % | 35 % |
| A45- 1 | Sn | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sr | 0.01 % | < 0.01 % | 0.01 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | < 0.01 % |



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# RAPPORT D´ANALYSE version 2

Votre référence ...: **LSA-2009-17**
A45 et Be
Date de réception : **2009-09-15**
Certificat émis le .: **2009-10-28**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28648- 7 | 28648- 8 | 28648- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753039 | 753041 | 753043 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-10-14 | 2009-10-14 | 2009-10-14 |
| B05- 1 Be | 112 mg/kg | 105 mg/kg | 108 mg/kg |



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**RAPPORT D'ANALYSE version 2**

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A45 et Be
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**James McCann**
**100563 Lithium One Inc.**

| | | | | |
|---|---|---|---|---|
| Numéro COREM : | | 28648- 10 | 28648- 11 | 28648- 12 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 753045 | 753194 | 753196 |
| A45- 1 | Analyse | 2009-10-16 | 2009-10-16 | 2009-10-16 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 8.8 % | 7.8 % | 8.6 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.18 % | 0.24 % | 0.19 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | 1.3 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.52 % | 0.53 % | 0.54 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 3.4 % | 2.9 % | 1.1 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | < 0.05 % | 0.09 % | 0.07 % |
| A45- 1 | Mn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 3.1 % | 2.5 % | 3.0 % |
| A45- 1 | Nb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 49 % | 50 % | 50 % |
| A45- 1 | P | 0.098 % | 0.16 % | 0.14 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 34 % | 36 % | 35 % |
| A45- 1 | Sn | 0.01 % | 0.01 % | 0.02 % |
| A45- 1 | Sr | 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | < 0.01 % |



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**RAPPORT D'ANALYSE version 2**

Votre référence ...: **LSA-2009-17**
A45 et Be
Date de réception : **2009-09-15**
Certificat émis le .: **2009-10-28**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28648- 10 | 28648- 11 | 28648- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753045 | 753194 | 753196 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-10-14 | 2009-10-14 | 2009-10-14 |
| B05- 1 Be | 139 mg/kg | 43.3 mg/kg | 111 mg/kg |



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**RAPPORT D'ANALYSE version 2**

Votre référence ...: **LSA-2009-17**
A45 et Be
Date de réception : **2009-09-15**
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**James McCann**
**100563 Lithium One Inc.**

| | | | | |
|---|---|---|---|---|
| Numéro COREM : | | 28648- 13 | 28648- 14 | 28648- 15 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 753198 | 753201 | 753203 |
| A45- 1 | Analyse | 2009-10-16 | 2009-10-16 | 2009-10-16 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 8.8 % | 8.9 % | 9.0 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | 0.12 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.20 % | 0.19 % | 0.81 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.54 % | 0.54 % | 0.99 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 2.2 % | 1.7 % | 2.9 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | 0.07 % | < 0.05 % | 0.21 % |
| A45- 1 | Mn | < 0.05 % | 0.06 % | 0.06 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 3.2 % | 3.6 % | 3.7 % |
| A45- 1 | Nb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 50 % | 50 % | 49 % |
| A45- 1 | P | 0.19 % | 0.20 % | 0.26 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 35 % | 35 % | 33 % |
| A45- 1 | Sn | 0.01 % | 0.01 % | < 0.01 % |
| A45- 1 | Sr | < 0.01 % | < 0.01 % | 0.02 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | 0.06 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | 0.01 % |



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**RAPPORT D´ANALYSE version 2**

Votre référence ...: **LSA-2009-17**
A45 et Be
Date de réception : **2009-09-15**
Certificat émis le .: **2009-10-28**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28648- 13 | 28648- 14 | 28648- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753198 | 753201 | 753203 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-10-14 | 2009-10-14 | 2009-10-14 |
| B05- 1 Be | 119 mg/kg | 96.7 mg/kg | 136 mg/kg |



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**James McCann**
**100563 Lithium One Inc.**

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|---|---|---|---|---|---|
| Numéro COREM : | | 28648- 16 | 28648- 17 | 28648- 18 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 279606 | 279608 | 279611 |
| A45- 1 | Analyse | 2009-10-16 | 2009-10-16 | 2009-10-16 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 8.9 % | 9.2 % | 8.4 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.22 % | 0.26 % | 0.25 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.66 % | 0.69 % | 0.79 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 1.4 % | 1.9 % | 1.1 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | < 0.05 % | < 0.05 % | 0.05 % |
| A45- 1 | Mn | 0.06 % | < 0.05 % | 0.07 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 3.5 % | 3.9 % | 3.2 % |
| A45- 1 | Nb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 50 % | 50 % | 50 % |
| A45- 1 | P | 0.21 % | 0.23 % | 0.26 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 35 % | 34 % | 36 % |
| A45- 1 | Sn | < 0.01 % | 0.01 % | 0.01 % |
| A45- 1 | Sr | < 0.01 % | 0.01 % | < 0.01 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | < 0.01 % |



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A45 et Be
Date de réception : **2009-09-15**
Certificat émis le .: **2009-10-28**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28648- 16 | 28648- 17 | 28648- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279606 | 279608 | 279611 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-10-15 | 2009-10-15 | 2009-10-15 |
| B05- 1 Be | 147 mg/kg | 217 mg/kg | 202 mg/kg |



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A45 et Be

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Certificat émis le .: **2009-10-28**

**James McCann**

**100563 Lithium One Inc.**

| | | | | | |
|---|---|---|---|---|---|
| Numéro COREM : | | 28648- 19 | 28648- 20 | 28648- 21 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 279613 | 279615 | 279616 |
| A45- 1 | Analyse | 2009-10-16 | 2009-10-16 | 2009-10-19 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 9.3 % | 8.8 % | 9.0 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.23 % | 0.22 % | 0.57 % |
| A45- 1 | Cd | < 0.01 % | 2.5 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.65 % | 0.50 % | 1.3 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 1.8 % | 2.8 % | 2.7 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | 0.05 % | < 0.05 % | 0.25 % |
| A45- 1 | Mn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 3.9 % | 3.4 % | 4.2 % |
| A45- 1 | Nb | < 0.01 % | 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 50 % | 48 % | 49 % |
| A45- 1 | P | 0.19 % | 0.21 % | 0.26 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 34 % | 33 % | 33 % |
| A45- 1 | Sn | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sr | < 0.01 % | < 0.01 % | 0.02 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | 0.08 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | 0.01 % | 0.01 % |



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Votre référence ...: **LSA-2009-17**
A45 et Be
Date de réception : **2009-09-15**
Certificat émis le .: **2009-10-28**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28648- 19 | 28648- 20 | 28648- 21 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279613 | 279615 | 279616 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-10-15 | 2009-10-15 | 2009-10-15 |
| B05- 1 Be | 93.6 mg/kg | 108 mg/kg | 101 mg/kg |



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**James McCann**
**100563 Lithium One Inc.**

| | | | | |
|---|---|---|---|---|
| Numéro COREM : | | 28648- 22 | 28648- 23 | 28648- 24 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 279939 | 279941 | 279943 |
| A45- 1 | Analyse | 2009-10-19 | 2009-10-19 | 2009-10-19 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 9.2 % | 9.0 % | 8.9 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.31 % | 0.19 % | 0.24 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.58 % | 0.63 % | 0.57 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 1.8 % | 2.5 % | 2.4 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | 0.06 % | 0.05 % | 0.07 % |
| A45- 1 | Mn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 3.6 % | 3.2 % | 2.9 % |
| A45- 1 | Nb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 50 % | 50 % | 50 % |
| A45- 1 | P | 0.26 % | 0.19 % | 0.21 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 34 % | 34 % | 35 % |
| A45- 1 | Sn | < 0.01 % | 0.01 % | < 0.01 % |
| A45- 1 | Sr | < 0.01 % | < 0.01 % | 0.01 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | < 0.01 % |



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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28648- 22 | 28648- 23 | 28648- 24 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279939 | 279941 | 279943 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-10-15 | 2009-10-15 | 2009-10-15 |
| B05- 1 Be | 82.8 mg/kg | 114 mg/kg | 260 mg/kg |



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**James McCann**

**100563 Lithium One Inc.**

| | | | | | |
|---|---|---|---|---|---|
| Numéro COREM : | | 28648- 25 | 28648- 26 | 28648- 27 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 279945 | 279947 | 279949 |
| A45- 1 | Analyse | 2009-10-19 | 2009-10-19 | 2009-10-19 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 9.3 % | 8.6 % | 8.4 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.21 % | 0.22 % | 0.25 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.81 % | 0.88 % | 0.64 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 2.8 % | 1.7 % | 2.0 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | 0.06 % | 0.08 % | 0.06 % |
| A45- 1 | Mn | 0.06 % | 0.09 % | < 0.05 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 2.9 % | 2.8 % | 3.1 % |
| A45- 1 | Nb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 50 % | 50 % | 50 % |
| A45- 1 | P | 0.23 % | 0.31 % | 0.18 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 34 % | 35 % | 35 % |
| A45- 1 | Sn | 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sr | 0.02 % | 0.01 % | 0.02 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | < 0.01 % |



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Téléphone : (418) 527-8211 Télécopieur : (418) 527-4818

COREM

**RAPPORT D'ANALYSE version 2**

Votre référence ...: **LSA-2009-17**
A45 et Be
Date de réception : **2009-09-15**
Certificat émis le .: **2009-10-28**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28648- 25 | 28648- 26 | 28648- 27 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279945 | 279947 | 279949 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-10-15 | 2009-10-15 | 2009-10-15 |
| B05- 1 Be | 181 mg/kg | 74.2 mg/kg | 90.7 mg/kg |



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**RAPPORT D´ANALYSE version 2**

Votre référence ...: **LSA-2009-17**
A45 et Be
Date de réception : **2009-09-15**
Certificat émis le .: **2009-10-28**

**James McCann**
**100563 Lithium One Inc.**

| | | | | |
|---|---|---|---|---|
| Numéro COREM : | | 28648- 28 | 28648- 29 | 28648- 30 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 279951 | 279953 | 279955 |
| A45- 1 | Analyse | 2009-10-19 | 2009-10-19 | 2009-10-19 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 8.4 % | 8.7 % | 8.9 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.23 % | 0.21 % | 0.24 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.71 % | 0.65 % | 0.66 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 1.9 % | 2.5 % | 1.4 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mn | < 0.05 % | 0.07 % | 0.07 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 3.5 % | 2.7 % | 3.5 % |
| A45- 1 | Nb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 50 % | 50 % | 50 % |
| A45- 1 | P | 0.18 % | 0.23 % | 0.27 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 35 % | 35 % | 35 % |
| A45- 1 | Sn | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sr | 0.01 % | 0.01 % | < 0.01 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | < 0.01 % |



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**RAPPORT D'ANALYSE version 2**

Votre référence ...: **LSA-2009-17**

A45 et Be

Date de réception : **2009-09-15**

Certificat émis le .: **2009-10-28**

**James McCann**

**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28648- 28 | 28648- 29 | 28648- 30 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279951 | 279953 | 279955 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-10-15 | 2009-10-15 | 2009-10-15 |
| B05- 1 Be | 124 mg/kg | 118 mg/kg | 135 mg/kg |



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# RAPPORT D´ANALYSE version 2

Votre référence ...: **LSA-2009-17**

A45 et Be

Date de réception : **2009-09-15**

Certificat émis le .: **2009-10-28**

**James McCann**

**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | | 28648- 31 | 28648- 32 |
| Nature : | | SOLIDES | SOLIDES |
| Désignation : | | 279957 | 279959 |
| A45- 1 | Analyse | 2009-10-19 | 2009-10-19 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 8.8 % | 9.1 % |
| A45- 1 | As | < 0.05 % | 0.07 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.28 % | 0.63 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.54 % | 1.2 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % |
| A45- 1 | K | 3.5 % | 2.3 % |
| A45- 1 | La | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | 0.06 % | 0.17 % |
| A45- 1 | Mn | < 0.05 % | 0.06 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 2.9 % | 3.0 % |
| A45- 1 | Nb | < 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % |
| A45- 1 | O | 49 % | 49 % |
| A45- 1 | P | 0.22 % | 0.41 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | 0.15 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 34 % | 33 % |
| A45- 1 | Sn | < 0.01 % | < 0.01 % |
| A45- 1 | Sr | 0.01 % | 0.02 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % |
| A45- 1 | Y | 0.01 % | < 0.01 % |



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**RAPPORT D'ANALYSE version 2**

Votre référence ...: **LSA-2009-17**
A45 et Be
Date de réception : **2009-09-15**
Certificat émis le .: **2009-10-28**

**James McCann**
**100563 Lithium One Inc.**

| | | |
|---|---|---|
| Numéro COREM : | 28648- 31 | 28648- 32 |
| Nature : | SOLIDES | SOLIDES |
| Désignation : | 279957 | 279959 |
| A45- 1 Zn | < 0.05 % | 0.20 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-10-15 | 2009-10-15 |
| B05- 1 Be | 87.9 mg/kg | 99.9 mg/kg |

28648- 22 A45- 1/Ag : Les désignations des échantillons 28648-22 à 32 ont été changées. Ce certificat annule et remplace celui émis précédemment.

Responsable :

Bernard Montminy, chimiste, M.Sc.
Directeur adjoint à la réalisation technique



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1180, rue de la Minéralogie, Québec (Québec) Canada G1N 1X7
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COREM

Table Jamésienne de Concertation Minière (Division CÉAQ)

Isabelle Milord
958, 3é rue

Chibougamau,Québec
G8P 1R6



**COREM**
1180, rue de la Minéralogie, Québec (Québec) Canada G1N 1X7
Téléphone : (418) 527-8211 Télécopieur : (418) 527-4818

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## RAPPORT D´ANALYSE version 2

Votre référence ...: **TJCM**

**Isabelle Milord**
**100570 Table Jamésienne de Concertation Minière (Division CÉAQ)**

Date de réception : **2009-10-26**
Certificat émis le .: **2009-11-10**

| | | | |
|---|---|---|---|
| Numéro COREM : | 29072- 1 | 29072- 2 | 29072- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1738RPRéf.28679-4 | 1739RPRéf.28679-5 | 1740RPRéf.28679-6 |
| B23- 1 Analyse | 2009-10-28 | 2009-10-28 | 2009-10-28 |
| B23- 1 Li | 455 mg/kg | < 50.0 mg/kg | 185 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 29072- 4 | 29072- 5 | 29072- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1749RPRéf.28679-15 | 1094RPRéf.28500-11 | 2253RPRéf.28798-13 |
| B23- 1 Analyse | 2009-10-28 | 2009-10-28 | 2009-10-28 |
| B23- 1 Li | 0.343 % | 0.267 % | < 50.0 mg/kg |

29072- 1 B23- 1/Li : Les références COREM ont été ajoutées aux désignations

Responsable :

Bernard Montminy,chimiste,M.Sc.
Directeur adjoint à la réalisation technique



**COREM**
1180, rue de la Minéralogie, Québec (Québec) Canada G1N 1X7
Téléphone : (418) 527-8211 Télécopieur : (418) 527-4818

COREM

**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
Reprises 798, 799, 1738,
Date de réception : **2010-01-20**
Certificat émis le .: **2010-01-25**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 29941- 1 | 29941- 2 | 29941- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0798 (Réf.28429-18) | 0799 (Réf. 28429-19) | 1738 (Réf. 28679-4) |
| B23- 1 Analyse | 2010-01-21 | 2010-01-21 | 2010-01-21 |
| B23- 1 Li | 0.123 % | 0.669 % | 498 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 29941- 4 | 29941- 5 | 29941- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1738RP (Réf. 28823-2 | 2101 (Réf. 28769-7) | 2101RP (Réf. 29075-4 |
| B23- 1 Analyse | 2010-01-21 | 2009-01-25 | 2010-01-21 |
| B23- 1 Li | 504 mg/kg | 0.201 % | 0.191 % |

| | |
|---|---|
| Numéro COREM : | 29941- 7 |
| Nature : | SOLIDES |
| Désignation : | 753410 (Réf.29073-2) |
| B23- 1 Analyse | 2010-01-21 |
| B23- 1 Li | < 50.0 mg/kg |

Responsable :

Bernard Montminy,chimiste,M.Sc.
Directeur adjoint à la réalisation technique



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Téléphone : (418) 527-8211 Télécopieur : (418) 527-4818

reprises Lithium demande 29941-1

| # échantillon | Résultat mg/Kg | Moyenne mg/Kg | Écart % | **Référence** | **1 ère analyse** mg/Kg |
|---|---|---|---|---|---|
| 29941-1 | 1225.9 | 1202.2 | 3.94 | **28429-18** | 6590 |
| 29941-1 dup | 1178.6 | | | | |
| 29941-2 | 6691.0 | 6649.5 | 1.25 | **28429-19** | 1650 |
| 29941-2 dup | 6607.9 | | | | |
| 29941-3 | 498.1 | 483.9 | 5.87 | **28679-4** | 511 |
| 29941-3 dup | 469.7 | | | | |
| 29941-4 | 503.5 | 510.2 | 2.63 | **28823-2** | 6800 |
| 29941-4 dup | 516.9 | | | | |
| 29941-5 | 2009.2 | 2019.5 | 1.02 | **28769-7** | 2800 |
| 29941-5 dup | 2029.9 | | | | |
| 29941-6 | 1911.5 | 1892.6 | 2.00 | **29075-4** | 1800 |
| 29941-6 dup | 1873.7 | | | | |
| 29941-7 | <50 | <50 | | **29073-2** | <50 |
| 29941-7 dup | <50 | | | | |
| | | | récupération % | | |
| MRA 7.9% | 75030 | | 95.0 | | |
| MRB 7.9% | 72205 | | 91.4 | | |

COREM

## RAPPORT D´ANALYSE version 1

Votre référence ...: **LSA-2009-17**

Reprises

Date de réception : **2009-11-02**

Certificat émis le .: **2009-11-04**

**James McCann**

**100563 Lithium One Inc.**

| | | |
|---|---|---|
| Numéro COREM | : | 29142- 1 |
| Nature | : | SOLIDES |
| Désignation | : | 0539 RP |

| | | |
|---|---|---|
| B23- 1 | Analyse | 2009-11-04 |
| B23- 1 | Li | 0.725 % |

Responsable :

Bernard Montminy,chimiste,M.Sc.
Directeur adjoint à la réalisation technique



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1180, rue de la Minéralogie, Québec (Québec) Canada G1N 1X7
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COREM

Lithium One Inc.

James McCann
2700-130, Adellaide Street West

Toronto,Ontario
M5H 3P5



**COREM**
1180, rue de la Minéralogie, Québec (Québec) Canada G1N 1X7
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COREM

# RAPPORT D´ANALYSE version 1

Votre référence ...: **LSA-2009-17**
PULPES:2901 à 2929
Date de réception : **2010-03-22**
Certificat émis le .: **2010-03-26**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 30621- 1 | 30621- 2 | 30621- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2901 | 2902 | 2903 |
| B23- 1 Analyse | 2010-03-25 | 2010-03-25 | 2010-03-25 |
| B23- 1 Li | 0.643 % | 0.744 % | 0.676 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 30621- 4 | 30621- 5 | 30621- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2904 | 2905 | 2906 |
| B23- 1 Analyse | 2010-03-25 | 2010-03-25 | 2010-03-25 |
| B23- 1 Li | 0.586 % | 0.683 % | 0.638 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 30621- 7 | 30621- 8 | 30621- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2907 | 2908 | 2909 |
| B23- 1 Analyse | 2010-03-25 | 2010-03-25 | 2010-03-25 |
| B23- 1 Li | 0.659 % | 0.357 % | 0.616 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 30621- 10 | 30621- 11 | 30621- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2910 | 2911 | 2912 |
| B23- 1 Analyse | 2010-03-25 | 2010-03-25 | 2010-03-25 |
| B23- 1 Li | 0.671 % | 0.712 % | < 50.0 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 30621- 13 | 30621- 14 | 30621- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2913 | 2914 | 2915 |
| B23- 1 Analyse | 2010-03-25 | 2010-03-25 | 2010-03-25 |
| B23- 1 Li | 2.86 % | 0.701 % | 0.724 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 30621- 16 | 30621- 17 | 30621- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2916 | 2917 | 2918 |
| B23- 1 Analyse | 2010-03-25 | 2010-03-26 | 2010-03-26 |
| B23- 1 Li | 0.619 % | 0.372 % | 0.678 % |



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# RAPPORT D'ANALYSE version 1

Votre référence ... : **LSA-2009-17**
PULPES:2901 à 2929
Date de réception : **2010-03-22**
Certificat émis le : **2010-03-26**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 30621- 19 | 30621- 20 | 30621- 21 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2919 | 2920 | 2921 |
| B23- 1 Analyse | 2010-03-26 | 2010-03-26 | 2010-03-26 |
| B23- 1 Li | 0.710 % | 0.597 % | 0.667 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 30621- 22 | 30621- 23 | 30621- 24 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2922 | 2923 | 2924 |
| B23- 1 Analyse | 2010-03-26 | 2010-03-26 | 2010-03-26 |
| B23- 1 Li | 0.611 % | 0.653 % | 0.679 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 30621- 25 | 30621- 26 | 30621- 27 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2925 | 2926 | 2927 |
| B23- 1 Analyse | 2010-03-26 | 2010-03-26 | 2010-03-26 |
| B23- 1 Li | 0.630 % | < 50.0 mg/kg | 0.692 % |

| | | |
|---|---|---|
| Numéro COREM : | 30621- 28 | 30621- 29 |
| Nature : | SOLIDES | SOLIDES |
| Désignation : | 2928 | 2929 |
| B23- 1 Analyse | 2010-03-26 | 2010-03-26 |
| B23- 1 Li | 0.717 % | 0.675 % |

Responsable :

Bernard Montminy,chimiste,M.Sc.
Directeur adjoint à la réalisation technique



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1180, rue de la Minéralogie, Québec (Québec) Canada G1N 1X7
Téléphone : (418) 527-8211 Télécopieur : (418) 527-4818

# Contrôle de qualité ( Lithium One )

| | Réplicabilité | | | Échantillon fortifié | | | Justesse | | |
|---|---|---|---|---|---|---|---|---|---|
| no éch | Li % | Li % duplicata | Écart % | Ajout Li % | Mesuré Li % | Récupération % | Valeur attendue % | Valeur obtenue % | Justesse % |
| 30621-1 | 0.64 | 0.64 | 0 | | | | | | |
| 30621-17 | 0.36 | 0.37 | 2.7 | | | | | | |
| 30304-1 | 1.03 | 1.04 | 0.97 | 0.98 | 2.00 | 99 | | | |
| 30304-1 | 1.03 | 1.04 | 0.97 | 0.99 | 2.07 | 102 | | | |
| LiBr | | | | | | | 7.9 | 7.4 | 93.4 |
| | | | | | | | 7.9 | 7.4 | 93.7 |
| | | | | | | | 7.9 | 7.5 | 94.9 |
| | | | | | | | 7.9 | 7.5 | 94.9 |

*Essai effectué 2 x sur le même échantillon*

*Ajout de LiBr effectué sur l'échantillon 30304-1*

*Matériau de référence utilisé LiBr*

**Réplicabilité ( duplicata )** : Deux parties aliquotes distinctes obtenues à partir d'un même échantillon et soumises à toutes les étapes de la procédure analytique, allant du prétraitement jusqu'au dosage.

**Échantillon fortifié** : Échantillon déjà analysé auquel on a ajouté une quantité connue de l'élément d'intérêt.
La quantité ajoutée doit se situer entre 50 et 100 % de la quantitée réelle mesurée.

**Justesse :** Vérification de la valeur mesurée comparativement à la valeur certifée.

2010-03-26

**James McCann**
**100515 CONIAGAS Resources Ltd.**

Date de réception : **2009-07-02**
Certificat émis le .: **2009-07-07**

| | | | |
|---|---|---|---|
| Numéro COREM : | 27921- 1 | 27921- 2 | 27921- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753001 | 753002 | 753003 |
| B23- 1 Analyse | 2009-07-07 | 2009-07-07 | 2009-07-07 |
| B23- 1 Li | 0.404 % | 0.177 % | 0.823 % |
| Numéro COREM : | 27921- 4 | 27921- 5 | 27921- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753004 | 753005 | 753006 |
| B23- 1 Analyse | 2009-07-07 | 2009-07-07 | 2009-07-07 |
| B23- 1 Li | 0.307 % | 0.653 % | 0.796 % |
| Numéro COREM : | 27921- 7 | 27921- 8 | 27921- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753007 | 753008 | 753009 |
| B23- 1 Analyse | 2009-07-07 | 2009-07-07 | 2009-07-07 |
| B23- 1 Li | 0.424 % | 0.952 % | 0.893 % |
| Numéro COREM : | 27921- 10 | 27921- 11 | 27921- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753010 | 753011 | 753012 |
| B23- 1 Analyse | 2009-07-07 | 2009-07-07 | 2009-07-07 |
| B23- 1 Li | < 50.0 mg/kg | 0.737 % | 0.730 % |
| Numéro COREM : | 27921- 13 | 27921- 14 | 27921- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753013 | 753014 | 753015 |
| B23- 1 Analyse | 2009-07-07 | 2009-07-07 | 2009-07-07 |
| B23- 1 Li | 0.288 % | 0.866 % | 0.505 % |
| Numéro COREM : | 27921- 16 | 27921- 17 | 27921- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753016 | 753017 | 753018 |
| B23- 1 Analyse | 2009-07-07 | 2009-07-07 | 2009-07-07 |
| B23- 1 Li | 0.955 % | 0.922 % | 0.806 % |

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| | | | |
|---|---|---|---|
| Numéro COREM : | 27921- 19 | 27921- 20 | 27921- 21 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753019 | 753020 | 753021 |
| B23- 1 Analyse | 2009-07-07 | 2009-07-07 | 2009-07-07 |
| B23- 1 Li | 0.786 % | 0.651 % | 0.488 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 27921- 22 | 27921- 23 | 27921- 24 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753022 | 753023 | 753024 |
| B23- 1 Analyse | 2009-07-07 | 2009-07-07 | 2009-07-07 |
| B23- 1 Li | 0.490 % | 0.667 % | 0.924 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 27921- 25 | 27921- 26 | 27921- 27 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753025 | 753026 | 753027 |
| B23- 1 Analyse | 2009-07-07 | 2009-07-07 | 2009-07-07 |
| B23- 1 Li | 1.19 % | 0.742 % | 0.956 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 27921- 28 | 27921- 29 | 27921- 30 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753028 | 753029 | 753030 |
| B23- 1 Analyse | 2009-07-07 | 2009-07-07 | 2009-07-07 |
| B23- 1 Li | 0.952 % | 0.628 % | 0.597 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 27921- 31 | 27921- 32 | 27921- 33 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753031 | 753032 | 753033 |
| B23- 1 Analyse | 2009-07-07 | 2009-07-07 | 2009-07-07 |
| B23- 1 Li | 0.331 % | 0.836 % | 1.11 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 27921- 34 | 27921- 35 | 27921- 36 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753034 | 753035 | 753036 |
| B23- 1 Analyse | 2009-07-07 | 2009-07-07 | 2009-07-07 |
| B23- 1 Li | 0.489 % | 0.253 % | 232 mg/kg |

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|---|---|---|---|
| Numéro COREM : | 27921- 37 | 27921- 38 | 27921- 39 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753037 | 753038 | 753039 |
| B23- 1 Analyse | 2009-07-07 | 2009-07-07 | 2009-07-07 |
| B23- 1 Li | 0.534 % | 0.732 % | 0.970 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 27921- 40 | 27921- 41 | 27921- 42 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753040 | 753041 | 753042 |
| B23- 1 Analyse | 2009-07-07 | 2009-07-07 | 2009-07-07 |
| B23- 1 Li | 0.390 % | 0.909 % | 0.975 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 27921- 43 | 27921- 44 | 27921- 45 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753043 | 753044 | 753045 |
| B23- 1 Analyse | 2009-07-07 | 2009-07-07 | 2009-07-07 |
| B23- 1 Li | 0.701 % | 0.749 % | 0.596 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 27921- 46 | 27921- 47 | 27921- 48 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753046 | 753047 | 753048 |
| B23- 1 Analyse | 2009-07-07 | 2009-07-07 | 2009-07-07 |
| B23- 1 Li | 0.386 % | 0.608 % | 0.481 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 27921- 49 | 27921- 50 | 27921- 51 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753049 | 753050 | 753051 |
| B23- 1 Analyse | 2009-07-07 | 2009-07-07 | 2009-07-07 |
| B23- 1 Li | 0.885 % | < 50.0 mg/kg | 0.834 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 27921- 52 | 27921- 53 | 27921- 54 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753052 | 753053 | 753054 |
| B23- 1 Analyse | 2009-07-07 | 2009-07-07 | 2009-07-07 |
| B23- 1 Li | 0.171 % | 0.290 % | 0.622 % |

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|---|---|---|---|
| Numéro COREM : | 27921- 55 | 27921- 56 | 27921- 57 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753055 | 753056 | 753057 |
| B23- 1 Analyse | 2009-07-07 | 2009-07-07 | 2009-07-07 |
| B23- 1 Li | 0.204 % | 0.251 % | 0.823 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 27921- 58 | 27921- 59 | 27921- 60 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753058 | 753059 | 753060 |
| B23- 1 Analyse | 2009-07-07 | 2009-07-07 | 2009-07-07 |
| B23- 1 Li | 0.969 % | 0.680 % | 0.632 % |

Responsable :

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|---|---|---|---|
| Numéro COREM : | 27934- 1 | 27934- 2 | 27934- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753061 | 753062 | 753063 |
| B23- 1 Analyse | 2009-07-08 | 2009-07-08 | 2009-07-08 |
| B23- 1 Li | 0.659 % | 0.461 % | 0.472 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 27934- 4 | 27934- 5 | 27934- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753064 | 753065 | 753066 |
| B23- 1 Analyse | 2009-07-08 | 2009-07-08 | 2009-07-08 |
| B23- 1 Li | 0.351 % | 0.100 % | 0.218 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 27934- 7 | 27934- 8 | 27934- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753067 | 753068 | 753069 |
| B23- 1 Analyse | 2009-07-08 | 2009-07-08 | 2009-07-08 |
| B23- 1 Li | 0.561 % | 0.703 % | 0.965 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 27934- 10 | 27934- 11 | 27934- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753070 | 753071 | 753072 |
| B23- 1 Analyse | 2009-07-08 | 2009-07-08 | 2009-07-08 |
| B23- 1 Li | 0.977 % | 0.692 % | 0.770 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 27934- 13 | 27934- 14 | 27934- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753073 | 753074 | 753075 |
| B23- 1 Analyse | 2009-07-08 | 2009-07-08 | 2009-07-08 |
| B23- 1 Li | 0.366 % | 0.190 % | 0.610 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 27934- 16 | 27934- 17 | 27934- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753076 | 753077 | 753078 |
| B23- 1 Analyse | 2009-07-08 | 2009-07-08 | 2009-07-08 |
| B23- 1 Li | 1.08 % | 0.322 % | 0.235 % |



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|---|---|---|---|
| Numéro COREM | : | 27934- 19 | 27934- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 753079 | 753080 |
| B23- 1 Analyse | | 2009-07-08 | 2009-07-08 |
| B23- 1 Li | | 885 mg/kg | 0.376 % |

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|---|---|---|---|
| Numéro COREM : | 27935- 1 | 27935- 2 | 27935- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753081 | 753082 | 753083 |
| B23- 1 Analyse | 2009-07-08 | 2009-07-08 | 2009-07-08 |
| B23- 1 Li | 0.232 % | 0.502 % | 0.999 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 27935- 4 | 27935- 5 | 27935- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753084 | 753085 | 753086 |
| B23- 1 Analyse | 2009-07-08 | 2009-07-08 | 2009-07-08 |
| B23- 1 Li | 0.441 % | 1.05 % | 0.864 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 27935- 7 | 27935- 8 | 27935- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753087 | 753088 | 753089 |
| B23- 1 Analyse | 2009-07-08 | 2009-07-08 | 2009-07-08 |
| B23- 1 Li | 0.651 % | 0.275 % | 543 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 27935- 10 | 27935- 11 | 27935- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753090 | 753091 | 753092 |
| B23- 1 Analyse | 2009-07-08 | 2009-07-08 | 2009-07-08 |
| B23- 1 Li | < 50.0 mg/kg | 199 mg/kg | 879 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 27935- 13 | 27935- 14 | 27935- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753093 | 753094 | 753095 |
| B23- 1 Analyse | 2009-07-08 | 2009-07-08 | 2009-07-08 |
| B23- 1 Li | 0.838 % | 0.410 % | 0.263 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 27935- 16 | 27935- 17 | 27935- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753096 | 753097 | 753098 |
| B23- 1 Analyse | 2009-07-08 | 2009-07-08 | 2009-07-08 |
| B23- 1 Li | 92.9 mg/kg | 0.181 % | 0.368 % |

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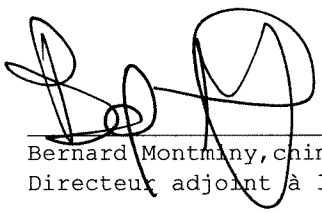
|---|---|---|---|
| Numéro COREM | : | 27935- 19 | 27935- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 753099 | 753100 |
| B23- 1 Analyse | | 2009-07-08 | 2009-07-08 |
| B23- 1 Li | | 0.503 % | 0.667 % |

Responsable :



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| | | | |
|---|---|---|---|
| Numéro COREM : | 27936- 1 | 27936- 2 | 27936- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753101 | 753102 | 753103 |
| B23- 1 Analyse | 2009-07-08 | 2009-07-08 | 2009-07-08 |
| B23- 1 Li | 0.454 % | 0.689 % | 0.868 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 27936- 4 | 27936- 5 | 27936- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753104 | 753105 | 753106 |
| B23- 1 Analyse | 2009-07-08 | 2009-07-08 | 2009-07-08 |
| B23- 1 Li | 0.770 % | 0.348 % | 359 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 27936- 7 | 27936- 8 | 27936- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753107 | 753108 | 753109 |
| B23- 1 Analyse | 2009-07-08 | 2009-07-08 | 2009-07-08 |
| B23- 1 Li | 52.4 mg/kg | 68.6 mg/kg | 0.528 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 27936- 10 | 27936- 11 | 27936- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753110 | 753111 | 753112 |
| B23- 1 Analyse | 2009-07-08 | 2009-07-08 | 2009-07-08 |
| B23- 1 Li | 0.556 % | 0.848 % | 1.24 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 27936- 13 | 27936- 14 | 27936- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753113 | 753114 | 753115 |
| B23- 1 Analyse | 2009-07-08 | 2009-07-08 | 2009-07-08 |
| B23- 1 Li | 0.522 % | 0.943 % | 0.618 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 27936- 16 | 27936- 17 | 27936- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753116 | 753117 | 753118 |
| B23- 1 Analyse | 2009-07-08 | 2009-07-08 | 2009-07-08 |
| B23- 1 Li | 0.822 % | 0.949 % | 0.663 % |

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|---|---|---|---|
| Numéro COREM | : | 27936- 19 | 27936- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 753119 | 753120 |
| B23- 1 Analyse | | 2009-07-08 | 2009-07-08 |
| B23- 1 Li | | 0.530 % | 0.406 % |

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|---|---|---|---|
| Numéro COREM : | 27937- 1 | 27937- 2 | 27937- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753121 | 753122 | 753123 |
| B23- 1 Analyse | 2009-07-09 | 2009-07-09 | 2009-07-09 |
| B23- 1 Li | 0.762 % | 0.597 % | < 50 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 27937- 4 | 27937- 5 | 27937- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753124 | 753125 | 753126 |
| B23- 1 Analyse | 2009-07-09 | 2009-07-09 | 2009-07-09 |
| B23- 1 Li | < 50 mg/kg | 0.429 % | 0.811 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 27937- 7 | 27937- 8 | 27937- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753127 | 753128 | 753129 |
| B23- 1 Analyse | 2009-07-09 | 2009-07-09 | 2009-07-09 |
| B23- 1 Li | 0.978 % | 0.303 % | 0.506 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 27937- 10 | 27937- 11 | 27937- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753130 | 753131 | 753132 |
| B23- 1 Analyse | 2009-07-09 | 2009-07-09 | 2009-07-09 |
| B23- 1 Li | < 50 mg/kg | 0.456 % | 0.899 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 27937- 13 | 27937- 14 | 27937- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753133 | 753134 | 753135 |
| B23- 1 Analyse | 2009-07-09 | 2009-07-09 | 2009-07-09 |
| B23- 1 Li | 0.618 % | 0.614 % | 1.08 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 27937- 16 | 27937- 17 | 27937- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753136 | 753137 | 753138 |
| B23- 1 Analyse | 2009-07-09 | 2009-07-09 | 2009-07-09 |
| B23- 1 Li | 0.125 % | 604 mg/kg | 0.590 % |

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|---|---|---|
| Numéro COREM : | 27937- 19 | 27937- 20 |
| Nature : | SOLIDES | SOLIDES |
| Désignation : | 753139 | 753140 |
| B23- 1 Analyse | 2009-07-09 | 2009-07-09 |
| B23- 1 Li | 0.484 % | 0.592 % |

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|---|---|---|---|
| Numéro COREM : | 27938- 1 | 27938- 2 | 27938- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753141 | 753142 | 753143 |
| B23- 1 Analyse | 2009-07-09 | 2009-07-09 | 2009-07-09 |
| B23- 1 Li | 0.156 % | 0.408 % | 0.613 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 27938- 4 | 27938- 5 | 27938- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753144 | 753145 | 753146 |
| B23- 1 Analyse | 2009-07-09 | 2009-07-09 | 2009-07-09 |
| B23- 1 Li | 0.948 % | 0.690 % | 0.733 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 27938- 7 | 27938- 8 | 27938- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753147 | 753148 | 753149 |
| B23- 1 Analyse | 2009-07-09 | 2009-07-09 | 2009-07-09 |
| B23- 1 Li | 0.672 % | 0.422 % | 938 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 27938- 10 | 27938- 11 | 27938- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753150 | 753151 | 753152 |
| B23- 1 Analyse | 2009-07-09 | 2009-07-09 | 2009-07-09 |
| B23- 1 Li | 981 mg/kg | 0.337 % | 0.131 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 27938- 13 | 27938- 14 | 27938- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753153 | 753154 | 753155 |
| B23- 1 Analyse | 2009-07-09 | 2009-07-09 | 2009-07-09 |
| B23- 1 Li | 214 mg/kg | 0.136 % | 0.377 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 27938- 16 | 27938- 17 | 27938- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753156 | 753157 | 753158 |
| B23- 1 Analyse | 2009-07-09 | 2009-07-09 | 2009-07-09 |
| B23- 1 Li | 0.711 % | 0.441 % | 0.168 % |



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|---|---|---|---|
| Numéro COREM : | | 27938- 19 | 27938- 20 |
| Nature : | | SOLIDES | SOLIDES |
| Désignation : | | 753159 | 753160 |
| B23- 1 | Analyse | 2009-07-09 | 2009-07-09 |
| B23- 1 | Li | 141 mg/kg | 0.383 % |

Responsable :

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Directeur adjoint à la réalisation technique

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| | | | |
|---|---|---|---|
| Numéro COREM : | 28047- 1 | 28047- 2 | 28047- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753161 | 753162 | 753163 |
| B23- 1 Analyse | 2009-07-09 | 2009-07-09 | 2009-07-09 |
| B23- 1 Li | 187 mg/kg | 0.411 % | 0.250 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28047- 4 | 28047- 5 | 28047- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753164 | 753165 | 753166 |
| B23- 1 Analyse | 2009-07-09 | 2009-07-09 | 2009-07-09 |
| B23- 1 Li | 0.630 % | 0.685 % | 0.918 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28047- 7 | 28047- 8 | 28047- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753167 | 753168 | 753169 |
| B23- 1 Analyse | 2009-07-09 | 2009-07-09 | 2009-07-09 |
| B23- 1 Li | 0.676 % | 0.238 % | 632 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28047- 10 | 28047- 11 | 28047- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753170 | 753171 | 753172 |
| B23- 1 Analyse | 2009-07-09 | 2009-07-09 | 2009-07-09 |
| B23- 1 Li | < 50.0 mg/kg | 0.219 % | 0.513 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28047- 13 | 28047- 14 | 28047- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753173 | 753174 | 753175 |
| B23- 1 Analyse | 2009-07-09 | 2009-07-09 | 2009-07-09 |
| B23- 1 Li | 0.923 % | 545 mg/kg | 67.5 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28047- 16 | 28047- 17 | 28047- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753176 | 753177 | 753178 |
| B23- 1 Analyse | 2009-07-09 | 2009-07-09 | 2009-07-09 |
| B23- 1 Li | 0.417 % | 0.247 % | 0.998 % |



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|---|---|---|---|
| Numéro COREM : | | 28047- 19 | 28047- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 753179 | 753180 |
| B23- 1 Analyse | | 2009-07-09 | 2009-07-09 |
| B23- 1 Li | | 0.149 % | 0.597 % |

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| | | | |
|---|---|---|---|
| Numéro COREM : | 28073- 1 | 28073- 2 | 28073- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753238 | 753239 | 753240 |
| B23- 1 Analyse | 2009-07-13 | 2009-07-13 | 2009-07-13 |
| B23- 1 Li | 0.675 % | 0.813 % | 0.599 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28073- 4 | 28073- 5 | 28073- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753241 | 753242 | 753243 |
| B23- 1 Analyse | 2009-07-13 | 2009-07-13 | 2009-07-13 |
| B23- 1 Li | 0.356 % | 125 mg/kg | 0.357 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28073- 7 | 28073- 8 | 28073- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753244 | 753245 | 753246 |
| B23- 1 Analyse | 2009-07-13 | 2009-07-13 | 2009-07-13 |
| B23- 1 Li | 0.769 % | 0.670 % | 0.753 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28073- 10 | 28073- 11 | 28073- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753247 | 753248 | 753249 |
| B23- 1 Analyse | 2009-07-13 | 2009-07-13 | 2009-07-13 |
| B23- 1 Li | 0.492 % | 0.240 % | 0.863 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28073- 13 | 28073- 14 | 28073- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753250 | 753251 | 753252 |
| B23- 1 Analyse | 2009-07-13 | 2009-07-13 | 2009-07-13 |
| B23- 1 Li | < 50.0 mg/kg | 0.662 % | 0.926 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28073- 16 | 28073- 17 | 28073- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753253 | 753254 | 753255 |
| B23- 1 Analyse | 2009-07-13 | 2009-07-13 | 2009-07-13 |
| B23- 1 Li | 0.671 % | 0.539 % | 0.612 % |



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|---|---|---|---|
| Numéro COREM : | 28073- 19 | 28073- 20 | 28073- 21 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753256 | 753257 | 753258 |
| B23- 1 Analyse | 2009-07-13 | 2009-07-13 | 2009-07-13 |
| B23- 1 Li | 0.649 % | 0.817 % | 0.637 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28073- 22 | 28073- 23 | 28073- 24 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753259 | 753260 | 753261 |
| B23- 1 Analyse | 2009-07-13 | 2009-07-13 | 2009-07-13 |
| B23- 1 Li | 0.525 % | 0.654 % | 0.149 % |

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| | | | |
|---|---|---|---|
| Numéro COREM : | 28074- 1 | 28074- 2 | 28074- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753262 | 753263 | 753264 |
| B23- 1 Analyse | 2009-07-13 | 2009-07-13 | 2009-07-13 |
| B23- 1 Li | 0.129 % | 0.472 % | 268 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28074- 4 | 28074- 5 | 28074- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753265 | 753266 | 753267 |
| B23- 1 Analyse | 2009-07-13 | 2009-07-13 | 2009-07-13 |
| B23- 1 Li | 207 mg/kg | 0.238 % | 0.308 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28074- 7 | 28074- 8 | 28074- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753268 | 753269 | 753270 |
| B23- 1 Analyse | 2009-07-13 | 2009-07-13 | 2009-07-13 |
| B23- 1 Li | 0.818 % | 0.821 % | 0.829 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28074- 10 | 28074- 11 | 28074- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753271 | 753272 | 753273 |
| B23- 1 Analyse | 2009-07-13 | 2009-07-13 | 2009-07-13 |
| B23- 1 Li | 0.767 % | 0.190 % | 0.369 % |

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|---|---|---|---|
| Numéro COREM : | 28074- 13 | 28074- 14 | 28074- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753274 | 753275 | 753276 |
| B23- 1 Analyse | 2009-07-13 | 2009-07-13 | 2009-07-13 |
| B23- 1 Li | 834 mg/kg | 0.918 % | 1.03 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28074- 16 | 28074- 17 | 28074- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753277 | 753278 | 753279 |
| B23- 1 Analyse | 2009-07-13 | 2009-07-14 | 2009-07-14 |
| B23- 1 Li | 0.935 % | 0.950 % | 0.350 % |



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|---|---|---|---|
| Numéro COREM : | 28074- 19 | 28074- 20 | 28074- 21 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753280 | 753281 | 753282 |
| B23- 1 Analyse | 2009-07-14 | 2009-07-14 | 2009-07-14 |
| B23- 1 Li | 0.393 % | 0.797 % | 0.274 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28074- 22 | 28074- 23 | 28074- 24 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753283 | 753284 | 753285 |
| B23- 1 Analyse | 2009-07-14 | 2009-07-14 | 2009-07-14 |
| B23- 1 Li | 803 mg/kg | 0.658 % | 0.893 % |

Responsable :

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| | | | |
|---|---|---|---|
| Numéro COREM : | 28081- 1 | 28081- 2 | 28081- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753181 | 753182 | 753183 |
| B23- 1 Analyse | 2009-07-14 | 2009-07-14 | 2009-07-14 |
| B23- 1 Li | 645 mg/kg | 0.876 % | 0.726 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28081- 4 | 28081- 5 | 28081- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753184 | 753185 | 753186 |
| B23- 1 Analyse | 2009-07-14 | 2009-07-14 | 2009-07-14 |
| B23- 1 Li | 0.267 % | 0.632 % | 0.459 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28081- 7 | 28081- 8 | 28081- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753187 | 753188 | 753189 |
| B23- 1 Analyse | 2009-07-14 | 2009-07-14 | 2009-07-14 |
| B23- 1 Li | 0.673 % | 1.02 % | 0.661 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28081- 10 | 28081- 11 | 28081- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753190 | 753191 | 753192 |
| B23- 1 Analyse | 2009-07-14 | 2009-07-14 | 2009-07-14 |
| B23- 1 Li | 0.649 % | 0.447 % | 0.778 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28081- 13 | 28081- 14 | 28081- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753193 | 753194 | 753195 |
| B23- 1 Analyse | 2009-07-14 | 2009-07-14 | 2009-07-14 |
| B23- 1 Li | 0.585 % | 0.646 % | 0.726 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28081- 16 | 28081- 17 | 28081- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753196 | 753197 | 753198 |
| B23- 1 Analyse | 2009-07-14 | 2009-07-14 | 2009-07-14 |
| B23- 1 Li | 1.23 % | 0.765 % | 0.876 % |



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|---|---|---|---|
| Numéro COREM | : | 28081- 19 | 28081- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 753199 | 753200 |
| B23- 1 Analyse | | 2009-07-14 | 2009-07-14 |
| B23- 1 Li | | 0.707 % | 0.417 % |

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|---|---|---|---|
| Numéro COREM : | 28082- 1 | 28082- 2 | 28082- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753201 | 753202 | 753203 |
| B23- 1 Analyse | 2009-07-14 | 2009-07-14 | 2009-07-14 |
| B23- 1 Li | 0.859 % | 0.677 % | 0.286 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28082- 4 | 28082- 5 | 28082- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753204 | 753205 | 753206 |
| B23- 1 Analyse | 2009-07-14 | 2009-07-14 | 2009-07-14 |
| B23- 1 Li | 0.523 % | 1.06 % | 0.910 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28082- 7 | 28082- 8 | 28082- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753207 | 753208 | 753209 |
| B23- 1 Analyse | 2009-07-14 | 2009-07-14 | 2009-07-14 |
| B23- 1 Li | 0.728 % | 0.226 % | 0.545 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28082- 10 | 28082- 11 | 28082- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753210 | 753211 | 753212 |
| B23- 1 Analyse | 2009-07-14 | 2009-07-14 | 2009-07-14 |
| B23- 1 Li | < 50.0 mg/kg | 0.878 % | 0.367 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28082- 13 | 28082- 14 | 28082- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753213 | 753214 | 753215 |
| B23- 1 Analyse | 2009-07-14 | 2009-07-14 | 2009-07-14 |
| B23- 1 Li | 0.568 % | 167 mg/kg | 760 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28082- 16 | 28082- 17 | 28082- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753216 | 753217 | 753218 |
| B23- 1 Analyse | 2009-07-14 | 2009-07-14 | 2009-07-14 |
| B23- 1 Li | 0.171 % | 1.25 % | 1.06 % |

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|---|---|---|---|
| Numéro COREM : | 28082- 19 | 28082- 20 | 28082- 21 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753219 | 753220 | 753221 |
| B23- 1 Analyse | 2009-07-14 | 2009-07-14 | 2009-07-16 |
| B23- 1 Li | 1.05 % | 0.412 % | 96.0 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28082- 22 | 28082- 23 | 28082- 24 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753222 | 753223 | 753224 |
| B23- 1 Analyse | 2009-07-16 | 2009-07-16 | 2009-07-16 |
| B23- 1 Li | 188 mg/kg | 0.538 % | 0.956 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28082- 25 | 28082- 26 | 28082- 27 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753225 | 753226 | 753227 |
| B23- 1 Analyse | 2009-07-16 | 2009-07-16 | 2009-07-16 |
| B23- 1 Li | 231 mg/kg | 0.815 % | 336 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28082- 28 | 28082- 29 | 28082- 30 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753228 | 753229 | 753230 |
| B23- 1 Analyse | 2009-07-16 | 2009-07-16 | 2009-07-16 |
| B23- 1 Li | 0.559 % | 0.376 % | 0.396 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28082- 31 | 28082- 32 | 28082- 33 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753231 | 753232 | 753233 |
| B23- 1 Analyse | 2009-07-16 | 2009-07-16 | 2009-07-16 |
| B23- 1 Li | 0.646 % | 0.458 % | 0.746 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28082- 34 | 28082- 35 | 28082- 36 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753234 | 753235 | 753236 |
| B23- 1 Analyse | 2009-07-16 | 2009-07-16 | 2009-07-16 |
| B23- 1 Li | 1.06 % | 1.01 % | 1.06 % |

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|---|---|---|
| Numéro COREM | : | 28082- 37 |
| Nature | : | SOLIDES |
| Désignation | : | 753237 |

| | | |
|---|---|---|
| B23- 1 | Analyse | 2009-07-16 |
| B23- 1 | Li | 0.503 % |

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|---|---|---|---|
| Numéro COREM : | 28083- 1 | 28083- 2 | 28083- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753286 | 753287 | 753288 |
| B23- 1 Analyse | 2009-07-16 | 2009-07-16 | 2009-07-16 |
| B23- 1 Li | 0.670 % | 0.682 % | 0.591 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28083- 4 | 28083- 5 | 28083- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753289 | 753290 | 753291 |
| B23- 1 Analyse | 2009-07-15 | 2009-07-15 | 2009-07-15 |
| B23- 1 Li | 0.563 % | < 50.0 mg/kg | 1.03 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28083- 7 | 28083- 8 | 28083- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753292 | 753293 | 753294 |
| B23- 1 Analyse | 2009-07-15 | 2009-07-15 | 2009-07-15 |
| B23- 1 Li | 0.359 % | 0.685 % | 0.695 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28083- 10 | 28083- 11 | 28083- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753295 | 753296 | 753297 |
| B23- 1 Analyse | 2009-07-15 | 2009-07-15 | 2009-07-15 |
| B23- 1 Li | 0.876 % | 0.935 % | 0.473 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28083- 13 | 28083- 14 | 28083- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753298 | 753299 | 753300 |
| B23- 1 Analyse | 2009-07-15 | 2009-07-15 | 2009-07-15 |
| B23- 1 Li | 0.562 % | 0.630 % | 0.637 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28083- 16 | 28083- 17 | 28083- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753301 | 753302 | 753303 |
| B23- 1 Analyse | 2009-07-15 | 2009-07-15 | 2009-07-15 |
| B23- 1 Li | 406 mg/kg | 0.695 % | 0.360 % |

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|---|---|---|---|
| Numéro COREM : | 28083- 19 | 28083- 20 | 28083- 21 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753304 | 753305 | 753306 |
| B23- 1 Analyse | 2009-07-15 | 2009-07-15 | 2009-07-15 |
| B23- 1 Li | 0.123 % | 0.515 % | 0.821 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28083- 22 | 28083- 23 | 28083- 24 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753307 | 753308 | 753309 |
| B23- 1 Analyse | 2009-07-15 | 2009-07-15 | 2009-07-15 |
| B23- 1 Li | 0.566 % | 0.893 % | 0.562 % |

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| | | | |
|---|---|---|---|
| Numéro COREM : | 28084- 1 | 28084- 2 | 28084- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753310 | 753311 | 753312 |
| B23- 1 Analyse | 2009-07-15 | 2009-07-15 | 2009-07-15 |
| B23- 1 Li | 0.569 % | 0.759 % | 0.958 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28084- 4 | 28084- 5 | 28084- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753313 | 753314 | 753315 |
| B23- 1 Analyse | 2009-07-15 | 2009-07-15 | 2009-07-15 |
| B23- 1 Li | 0.481 % | 0.157 % | 523 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28084- 7 | 28084- 8 | 28084- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753316 | 753317 | 753318 |
| B23- 1 Analyse | 2009-07-15 | 2009-07-15 | 2009-07-15 |
| B23- 1 Li | 529 mg/kg | 0.925 % | 0.622 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28084- 10 | 28084- 11 | 28084- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753319 | 753320 | 753321 |
| B23- 1 Analyse | 2009-07-15 | 2009-07-15 | 2009-07-15 |
| B23- 1 Li | 0.387 % | 0.783 % | 0.751 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28084- 13 | 28084- 14 | 28084- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753322 | 753323 | 753324 |
| B23- 1 Analyse | 2009-07-15 | 2009-07-15 | 2009-07-15 |
| B23- 1 Li | 181 mg/kg | 0.440 % | 0.168 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28084- 16 | 28084- 17 | 28084- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753325 | 753326 | 753327 |
| B23- 1 Analyse | 2009-07-15 | 2009-07-15 | 2009-07-15 |
| B23- 1 Li | 0.658 % | 0.406 % | 0.968 % |

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|---|---|---|---|
| Numéro COREM : | 28084- 19 | 28084- 20 | 28084- 21 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753328 | 753329 | 753330 |
| B23- 1 Analyse | 2009-07-15 | 2009-07-16 | 2009-07-16 |
| B23- 1 Li | 0.743 % | 0.594 % | < 50.0 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28084- 22 | 28084- 23 | 28084- 24 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753331 | 753332 | 753333 |
| B23- 1 Analyse | 2009-07-16 | 2009-07-16 | 2009-07-16 |
| B23- 1 Li | 1.01 % | 1.02 % | 0.755 % |

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| | | | |
|---|---|---|---|
| Numéro COREM : | 28085- 1 | 28085- 2 | 28085- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753334 | 753335 | 753336 |
| B23- 1 Analyse | 2009-07-16 | 2009-07-16 | 2009-07-16 |
| B23- 1 Li | 0.591 % | 0.284 % | 0.974 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28085- 4 | 28085- 5 | 28085- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753337 | 753338 | 753339 |
| B23- 1 Analyse | 2009-07-16 | 2009-07-16 | 2009-07-16 |
| B23- 1 Li | 0.863 % | 0.687 % | 0.936 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28085- 7 | 28085- 8 | 28085- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753340 | 753341 | 753342 |
| B23- 1 Analyse | 2009-07-16 | 2009-07-16 | 2009-07-16 |
| B23- 1 Li | 0.634 % | 0.979 % | 0.331 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28085- 10 | 28085- 11 | 28085- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753343 | 753344 | 753345 |
| B23- 1 Analyse | 2009-07-16 | 2009-07-16 | 2009-07-16 |
| B23- 1 Li | 0.394 % | 0.662 % | 0.711 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28085- 13 | 28085- 14 | 28085- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753346 | 753347 | 753348 |
| B23- 1 Analyse | 2009-07-16 | 2009-07-16 | 2009-07-16 |
| B23- 1 Li | 0.967 % | 0.916 % | 0.741 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28085- 16 | 28085- 17 | 28085- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753349 | 753350 | 753351 |
| B23- 1 Analyse | 2009-07-16 | 2009-07-16 | 2009-07-16 |
| B23- 1 Li | 0.537 % | 0.562 % | 0.700 % |

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|---|---|---|---|
| Numéro COREM : | 28085- 19 | 28085- 20 | 28085- 21 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753352 | 753353 | 753354 |
| B23- 1 Analyse | 2009-07-16 | 2009-07-16 | 2009-07-16 |
| B23- 1 Li | 0.674 % | 0.867 % | 0.694 % |

| | |
|---|---|
| Numéro COREM : | 28085- 22 |
| Nature : | SOLIDES |
| Désignation : | 753355 |
| B23- 1 Analyse | 2009-07-16 |
| B23- 1 Li | 0.691 % |

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|---|---|---|---|
| Numéro COREM : | 28086- 1 | 28086- 2 | 28086- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753356 | 753357 | 753358 |
| B23- 1 Analyse | 2009-07-16 | 2009-07-16 | 2009-07-16 |
| B23- 1 Li | 0.889 % | 0.425 % | 0.553 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28086- 4 | 28086- 5 | 28086- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753359 | 753360 | 753361 |
| B23- 1 Analyse | 2009-07-16 | 2009-07-16 | 2009-07-16 |
| B23- 1 Li | 0.511 % | 0.630 % | 0.876 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28086- 7 | 28086- 8 | 28086- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753362 | 753363 | 753364 |
| B23- 1 Analyse | 2009-07-16 | 2009-07-16 | 2009-07-16 |
| B23- 1 Li | 0.238 % | 74.7 mg/kg | 181 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28086- 10 | 28086- 11 | 28086- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753365 | 753366 | 753367 |
| B23- 1 Analyse | 2009-07-16 | 2009-07-16 | 2009-07-16 |
| B23- 1 Li | 771 mg/kg | 0.971 % | 1.30 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28086- 13 | 28086- 14 | 28086- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753368 | 753369 | 753370 |
| B23- 1 Analyse | 2009-07-16 | 2009-07-16 | 2009-07-16 |
| B23- 1 Li | 0.859 % | 1.00 % | < 50.0 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28086- 16 | 28086- 17 | 28086- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753371 | 753372 | 753373 |
| B23- 1 Analyse | 2009-07-16 | 2009-07-16 | 2009-07-16 |
| B23- 1 Li | 521 mg/kg | 0.837 % | 0.757 % |

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| | | | |
|---|---|---|---|
| Numéro COREM | : | 28086- 19 | 28086- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 753374 | 753375 |
| B23- 1 Analyse | | 2009-07-16 | 2009-07-16 |
| B23- 1 Li | | 0.393 % | 0.487 % |

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| | | | |
|---|---|---|---|
| Numéro COREM : | 28087- 1 | 28087- 2 | 28087- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753376 | 753377 | 753378 |
| B23- 1 Analyse | 2009-07-16 | 2009-07-16 | 2009-07-16 |
| B23- 1 Li | 0.430 % | 0.757 % | 1.14 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28087- 4 | 28087- 5 | 28087- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753379 | 753380 | 753381 |
| B23- 1 Analyse | 2009-07-16 | 2009-07-16 | 2009-07-16 |
| B23- 1 Li | 0.957 % | 0.379 % | 0.243 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28087- 7 | 28087- 8 | 28087- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753382 | 753383 | 753384 |
| B23- 1 Analyse | 2009-07-16 | 2009-07-16 | 2009-07-16 |
| B23- 1 Li | 0.124 % | 1.00 % | 0.124 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28087- 10 | 28087- 11 | 28087- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753385 | 753386 | 753387 |
| B23- 1 Analyse | 2009-07-16 | 2009-07-16 | 2009-07-16 |
| B23- 1 Li | 0.212 % | 0.644 % | 0.938 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28087- 13 | 28087- 14 | 28087- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753388 | 753389 | 753390 |
| B23- 1 Analyse | 2009-07-16 | 2009-07-17 | 2009-07-17 |
| B23- 1 Li | 0.691 % | 0.586 % | 0.561 % |

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| | | | |
|---|---|---|---|
| Numéro COREM : | 28147- 1 | 28147- 2 | 28147- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753391 | 753392 | 753393 |
| B23- 1 Analyse | 2009-07-17 | 2009-07-17 | 2009-07-17 |
| B23- 1 Li | 0.742 % | 0.696 % | 0.373 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28147- 4 | 28147- 5 | 28147- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753394 | 753395 | 753396 |
| B23- 1 Analyse | 2009-07-17 | 2009-07-17 | 2009-07-17 |
| B23- 1 Li | 0.536 % | 0.813 % | 0.642 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28147- 7 | 28147- 8 | 28147- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753397 | 753398 | 753399 |
| B23- 1 Analyse | 2009-07-17 | 2009-07-17 | 2009-07-17 |
| B23- 1 Li | 0.805 % | 0.565 % | 0.717 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28147- 10 | 28147- 11 | 28147- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753400 | 753401 | 753402 |
| B23- 1 Analyse | 2009-07-17 | 2009-07-17 | 2009-07-17 |
| B23- 1 Li | 0.338 % | 145 mg/kg | 0.584 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28147- 13 | 28147- 14 | 28147- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753403 | 753404 | 753405 |
| B23- 1 Analyse | 2009-07-17 | 2009-07-17 | 2009-07-17 |
| B23- 1 Li | 0.452 % | 0.625 % | 0.695 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28147- 16 | 28147- 17 | 28147- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753406 | 753407 | 753408 |
| B23- 1 Analyse | 2009-07-17 | 2009-07-17 | 2009-07-17 |
| B23- 1 Li | 0.917 % | 0.797 % | 0.775 % |

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|---|---|---|---|
| Numéro COREM | : | 28147- 19 | 28147- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 753409 | 753410 |
| B23- 1 Analyse | | 2009-07-17 | 2009-07-17 |
| B23- 1 Li | | 0.705 % | 384 mg/kg |

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| | | | |
|---|---|---|---|
| Numéro COREM : | 28148- 1 | 28148- 2 | 28148- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753411 | 753412 | 753413 |
| B23- 1 Analyse | 2009-07-17 | 2009-07-17 | 2009-07-17 |
| B23- 1 Li | 0.866 % | 0.779 % | 0.691 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28148- 4 | 28148- 5 | 28148- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753414 | 753415 | 753416 |
| B23- 1 Analyse | 2009-07-17 | 2009-07-17 | 2009-07-17 |
| B23- 1 Li | 0.344 % | 0.107 % | 0.242 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28148- 7 | 28148- 8 | 28148- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753417 | 753418 | 753419 |
| B23- 1 Analyse | 2009-07-17 | 2009-07-17 | 2009-07-17 |
| B23- 1 Li | 1.02 % | 1.00 % | 0.665 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28148- 10 | 28148- 11 | 28148- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753420 | 753421 | 753422 |
| B23- 1 Analyse | 2009-07-17 | 2009-07-17 | 2009-07-17 |
| B23- 1 Li | 0.601 % | 0.175 % | 0.479 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28148- 13 | 28148- 14 | 28148- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753423 | 753424 | 753425 |
| B23- 1 Analyse | 2009-07-17 | 2009-07-17 | 2009-07-17 |
| B23- 1 Li | 0.585 % | 0.696 % | 0.981 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28148- 16 | 28148- 17 | 28148- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753426 | 753427 | 753428 |
| B23- 1 Analyse | 2009-07-17 | 2009-07-17 | 2009-07-20 |
| B23- 1 Li | 0.610 % | 0.355 % | 0.499 % |



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| | | | |
|---|---|---|---|
| Numéro COREM | : | 28148- 19 | 28148- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 753429 | 753430 |
| B23- 1 Analyse | | 2009-07-20 | 2009-07-20 |
| B23- 1 Li | | 0.443 % | 0.478 % |

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| | | | |
|---|---|---|---|
| Numéro COREM : | 28156- 1 | 28156- 2 | 28156- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753522 | 753523 | 753524 |
| B23- 1 Analyse | 2009-07-21 | 2009-07-21 | 2009-07-21 |
| B23- 1 Li | 0.823 % | 0.249 % | 0.912 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28156- 4 | 28156- 5 | 28156- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753525 | 753526 | 753527 |
| B23- 1 Analyse | 2009-07-21 | 2009-07-21 | 2009-07-21 |
| B23- 1 Li | 0.538 % | 0.612 % | 0.110 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28156- 7 | 28156- 8 | 28156- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753528 | 753529 | 753530 |
| B23- 1 Analyse | 2009-07-21 | 2009-07-22 | 2009-07-22 |
| B23- 1 Li | 0.263 % | 0.411 % | < 50.0 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28156- 10 | 28156- 11 | 28156- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753531 | 753532 | 753533 |
| B23- 1 Analyse | 2009-07-22 | 2009-07-22 | 2009-07-22 |
| B23- 1 Li | 0.546 % | 142 mg/kg | 258 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28156- 13 | 28156- 14 | 28156- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753534 | 753535 | 753536 |
| B23- 1 Analyse | 2009-07-22 | 2009-07-22 | 2009-07-22 |
| B23- 1 Li | 0.864 % | 0.987 % | 0.849 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28156- 16 | 28156- 17 | 28156- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753537 | 753538 | 753539 |
| B23- 1 Analyse | 2009-07-22 | 2009-07-22 | 2009-07-22 |
| B23- 1 Li | 0.979 % | 0.994 % | 0.614 % |

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| | | | |
|---|---|---|---|
| Numéro COREM : | 28156- 19 | 28156- 20 | 28156- 21 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753540 | 753541 | 753542 |
| B23- 1 Analyse | 2009-07-22 | 2009-07-22 | 2009-07-22 |
| B23- 1 Li | 0.583 % | 0.509 % | 553 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28156- 22 | 28156- 23 | 28156- 24 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753543 | 753544 | 753545 |
| B23- 1 Analyse | 2009-07-22 | 2009-07-22 | 2009-07-22 |
| B23- 1 Li | 470 mg/kg | 0.228 % | 0.369 % |

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| | | | |
|---|---|---|---|
| Numéro COREM : | 28182- 1 | 28182- 2 | 28182- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753546 | 753547 | 753548 |
| B23- 1 Analyse | 2009-07-22 | 2009-07-22 | 2009-07-22 |
| B23- 1 Li | 0.326 % | 0.854 % | 0.499 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28182- 4 | 28182- 5 | 28182- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753549 | 753550 | 279551 |
| B23- 1 Analyse | 2009-07-22 | 2009-07-22 | 2009-07-22 |
| B23- 1 Li | 0.956 % | 0.990 % | 0.578 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28182- 7 | 28182- 8 | 28182- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279552 | 279553 | 279554 |
| B23- 1 Analyse | 2009-07-22 | 2009-07-22 | 2009-07-22 |
| B23- 1 Li | 0.685 % | 0.857 % | 0.732 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28182- 10 | 28182- 11 | 28182- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279555 | 279556 | 279557 |
| B23- 1 Analyse | 2009-07-22 | 2009-07-22 | 2009-07-22 |
| B23- 1 Li | 0.795 % | 0.451 % | 0.145 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28182- 13 | 28182- 14 | 28182- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279558 | 279559 | 279560 |
| B23- 1 Analyse | 2009-07-22 | 2009-07-22 | 2009-07-22 |
| B23- 1 Li | 0.317 % | 0.518 % | 0.376 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28182- 16 | 28182- 17 | 28182- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279561 | 279562 | 279563 |
| B23- 1 Analyse | 2009-07-22 | 2009-07-22 | 2009-07-22 |
| B23- 1 Li | 0.233 % | 1.01 % | 0.418 % |



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| | | | |
|---|---|---|---|
| Numéro COREM | : | 28182- 19 | 28182- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 279564 | 279565 |
| B23- 1 Analyse | | 2009-07-22 | 2009-07-22 |
| B23- 1 Li | | 0.773 % | 0.638 % |

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| | | | |
|---|---|---|---|
| Numéro COREM : | 28183- 1 | 28183- 2 | 28183- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279566 | 279567 | 279568 |
| B23- 1 Analyse | 2009-07-22 | 2009-07-22 | 2009-07-22 |
| B23- 1 Li | 0.195 % | 0.668 % | 0.292 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28183- 4 | 28183- 5 | 28183- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279569 | 279570 | 279571 |
| B23- 1 Analyse | 2009-07-22 | 2009-07-22 | 2009-07-22 |
| B23- 1 Li | 0.288 % | < 50.0 mg/kg | 291 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28183- 7 | 28183- 8 | 28183- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279572 | 279573 | 279574 |
| B23- 1 Analyse | 2009-07-22 | 2009-07-22 | 2009-07-22 |
| B23- 1 Li | 0.138 % | 0.255 % | 0.639 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28183- 10 | 28183- 11 | 28183- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279575 | 279576 | 279577 |
| B23- 1 Analyse | 2009-07-22 | 2009-07-22 | 2009-07-22 |
| B23- 1 Li | 0.207 % | 0.809 % | 0.483 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28183- 13 | 28183- 14 | 28183- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279578 | 279579 | 279580 |
| B23- 1 Analyse | 2009-07-22 | 2009-07-22 | 2009-07-22 |
| B23- 1 Li | 0.528 % | 0.552 % | 0.372 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28183- 16 | 28183- 17 | 28183- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279581 | 279582 | 279583 |
| B23- 1 Analyse | 2009-07-22 | 2009-07-22 | 2009-07-22 |
| B23- 1 Li | 0.723 % | 0.301 % | 0.476 % |



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| | | |
|---|---|---|
| Numéro COREM : | 28183- 19 | 28183- 20 |
| Nature : | SOLIDES | SOLIDES |
| Désignation : | 279584 | 279585 |
| B23- 1 Analyse | 2009-07-22 | 2009-07-22 |
| B23- 1 Li | 0.768 % | 633 mg/kg |

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| | | | |
|---|---|---|---|
| Numéro COREM : | 28184- 1 | 28184- 2 | 28184- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279586 | 279587 | 279588 |
| B23- 1 Analyse | 2009-07-22 | 2009-07-22 | 2009-07-22 |
| B23- 1 Li | 0.697 % | 0.409 % | 0.715 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28184- 4 | 28184- 5 | 28184- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753589 | 753590 | 279591 |
| B23- 1 Analyse | 2009-07-22 | 2009-07-22 | 2009-07-22 |
| B23- 1 Li | 0.789 % | 0.785 % | 0.868 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28184- 7 | 28184- 8 | 28184- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279592 | 279593 | 279594 |
| B23- 1 Analyse | 2009-07-22 | 2009-07-22 | 2009-07-22 |
| B23- 1 Li | 0.452 % | 0.772 % | 0.689 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28184- 10 | 28184- 11 | 28184- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279595 | 279596 | 279597 |
| B23- 1 Analyse | 2009-07-22 | 2009-07-22 | 2009-07-22 |
| B23- 1 Li | 0.800 % | 0.915 % | 0.763 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28184- 13 | 28184- 14 | 28184- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279598 | 279599 | 279600 |
| B23- 1 Analyse | 2009-07-22 | 2009-07-22 | 2009-07-22 |
| B23- 1 Li | 0.637 % | 0.651 % | 0.620 % |

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**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28237- 1 | 28237- 2 | 28237- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279601 | 279602 | 279603 |
| B23- 1 Analyse | 2009-07-30 | 2009-07-30 | 2009-07-30 |
| B23- 1 Li | 0.306 % | 0.328 % | 0.393 % |

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|---|---|---|---|
| Numéro COREM : | 28237- 4 | 28237- 5 | 28237- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279604 | 279605 | 279606 |
| B23- 1 Analyse | 2009-07-30 | 2009-07-30 | 2009-07-30 |
| B23- 1 Li | 0.532 % | 0.557 % | 0.771 % |

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|---|---|---|---|
| Numéro COREM : | 28237- 7 | 28237- 8 | 28237- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279607 | 279608 | 279609 |
| B23- 1 Analyse | 2009-07-30 | 2009-07-30 | 2009-07-30 |
| B23- 1 Li | 0.705 % | 0.646 % | 1.11 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28237- 10 | 28237- 11 | 28237- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279610 | 279611 | 279612 |
| B23- 1 Analyse | 2009-07-30 | 2009-07-30 | 2009-07-30 |
| B23- 1 Li | 71.7 mg/kg | 0.905 % | 0.924 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28237- 13 | 28237- 14 | 28237- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279613 | 279614 | 279615 |
| B23- 1 Analyse | 2009-07-30 | 2009-07-30 | 2009-07-30 |
| B23- 1 Li | 0.677 % | 0.786 % | 0.670 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28237- 16 | 28237- 17 | 28237- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279616 | 279617 | 279618 |
| B23- 1 Analyse | 2009-07-30 | 2009-07-30 | 2009-07-30 |
| B23- 1 Li | 0.293 % | 0.939 % | 0.494 % |

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|---|---|---|---|
| Numéro COREM | : | 28237- 19 | 28237- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 279619 | 279620 |
| B23- 1 Analyse | | 2009-07-30 | 2009-07-30 |
| B23- 1 Li | | 0.534 % | 0.621 % |

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|---|---|---|---|
| Numéro COREM : | 28238- 1 | 28238- 2 | 28238- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279621 | 279622 | 279623 |
| B23- 1 Analyse | 2009-07-31 | 2009-07-31 | 2009-07-31 |
| B23- 1 Li | 0.333 % | 0.704 % | 0.491 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28238- 4 | 28238- 5 | 28238- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279624 | 279625 | 279626 |
| B23- 1 Analyse | 2009-07-31 | 2009-07-31 | 2009-07-31 |
| B23- 1 Li | 0.694 % | 0.257 % | 0.329 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28238- 7 | 28238- 8 | 28238- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279627 | 279628 | 279629 |
| B23- 1 Analyse | 2009-07-31 | 2009-07-31 | 2009-07-31 |
| B23- 1 Li | 0.352 % | 0.376 % | 0.392 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28238- 10 | 28238- 11 | 28238- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279630 | 279631 | 279632 |
| B23- 1 Analyse | 2009-07-31 | 2009-07-31 | 2009-07-31 |
| B23- 1 Li | 0.339 % | 0.747 % | 0.628 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28238- 13 | 28238- 14 | 28238- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279633 | 279634 | 279635 |
| B23- 1 Analyse | 2009-07-31 | 2009-07-31 | 2009-07-31 |
| B23- 1 Li | 0.308 % | 116 mg/kg | 0.104 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28238- 16 | 28238- 17 | 28238- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279636 | 279637 | 279638 |
| B23- 1 Analyse | 2009-07-31 | 2009-07-31 | 2009-07-31 |
| B23- 1 Li | 0.645 % | 0.691 % | 0.474 % |

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|---|---|---|---|
| Numéro COREM | : | 28238- 19 | 28238- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 279639 | 279640 |
| B23- 1 Analyse | | 2009-07-31 | 2009-07-31 |
| B23- 1 Li | | 0.739 % | 0.386 % |

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|---|---|---|---|
| Numéro COREM : | 28239- 1 | 28239- 2 | 28239- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279641 | 279642 | 279643 |
| B23- 1 Analyse | 2009-07-31 | 2009-07-31 | 2009-07-31 |
| B23- 1 Li | 0.727 % | 0.936 % | 0.293 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28239- 4 | 28239- 5 | 28239- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279644 | 279645 | 279646 |
| B23- 1 Analyse | 2009-07-31 | 2009-07-31 | 2009-07-31 |
| B23- 1 Li | 193 mg/kg | 292 mg/kg | 0.703 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28239- 7 | 28239- 8 | 28239- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279647 | 279648 | 279649 |
| B23- 1 Analyse | 2009-07-31 | 2009-07-31 | 2009-07-31 |
| B23- 1 Li | 0.881 % | 0.637 % | 0.816 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28239- 10 | 28239- 11 | 28239- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279650 | 279651 | 279652 |
| B23- 1 Analyse | 2009-07-31 | 2009-07-31 | 2009-07-31 |
| B23- 1 Li | < 50.0 mg/kg | 0.143 % | < 50.0 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28239- 13 | 28239- 14 | 28239- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279653 | 279654 | 279655 |
| B23- 1 Analyse | 2009-07-31 | 2009-07-31 | 2009-07-31 |
| B23- 1 Li | 0.148 % | 0.631 % | 0.683 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28239- 16 | 28239- 17 | 28239- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279656 | 279657 | 279658 |
| B23- 1 Analyse | 2009-07-31 | 2009-07-31 | 2009-07-31 |
| B23- 1 Li | 0.688 % | 0.614 % | 0.234 % |

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|---|---|---|---|
| Numéro COREM | : | 28239- 19 | 28239- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 279659 | 279660 |
| B23- 1 Analyse | | 2009-07-31 | 2009-07-31 |
| B23- 1 Li | | 0.491 % | 0.586 % |

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|---|---|---|---|
| Numéro COREM : | 28240- 1 | 28240- 2 | 28240- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279661 | 279662 | 279663 |
| B23- 1 Analyse | 2009-07-31 | 2009-07-31 | 2009-07-31 |
| B23- 1 Li | 0.305 % | 0.566 % | 0.713 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28240- 4 | 28240- 5 | 28240- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279664 | 279665 | 279666 |
| B23- 1 Analyse | 2009-07-31 | 2009-07-31 | 2009-07-31 |
| B23- 1 Li | 0.557 % | 807 mg/kg | 0.830 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28240- 7 | 28240- 8 | 28240- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279667 | 279668 | 279669 |
| B23- 1 Analyse | 2009-07-31 | 2009-07-31 | 2009-07-31 |
| B23- 1 Li | 0.323 % | 1.02 % | 0.837 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28240- 10 | 28240- 11 | 28240- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279670 | 279671 | 279672 |
| B23- 1 Analyse | 2009-07-31 | 2009-07-31 | 2009-07-31 |
| B23- 1 Li | 0.848 % | 0.801 % | 0.684 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28240- 13 | 28240- 14 | 28240- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279673 | 279674 | 279675 |
| B23- 1 Analyse | 2009-07-31 | 2009-07-31 | 2009-07-31 |
| B23- 1 Li | 0.768 % | 0.568 % | 0.477 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28240- 16 | 28240- 17 | 28240- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279676 | 279677 | 279678 |
| B23- 1 Analyse | 2009-07-31 | 2009-07-31 | 2009-07-31 |
| B23- 1 Li | 0.353 % | 0.316 % | 0.616 % |



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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
Échantillons reçus 29-07
Date de réception : **2009-07-29**
Certificat émis le .: **2009-07-31**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28240- 19 | 28240- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 279679 | 279680 |
| B23- 1 Analyse | | 2009-07-31 | 2009-07-31 |
| B23- 1 Li | | 0.996 % | 0.388 % |

Responsable :

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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
279681 à 279710
Date de réception : **2009-07-30**
Certificat émis le .: **2009-08-04**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28250- 1 | 28250- 2 | 28250- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279681 | 279682 | 279683 |
| B23- 1 Analyse | 2009-07-31 | 2009-07-31 | 2009-07-31 |
| B23- 1 Li | 0.688 % | 0.744 % | 0.569 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28250- 4 | 28250- 5 | 28250- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279684 | 279685 | 279686 |
| B23- 1 Analyse | 2009-07-31 | 2009-07-31 | 2009-07-31 |
| B23- 1 Li | 0.526 % | 377 mg/kg | 0.141 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28250- 7 | 28250- 8 | 28250- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279687 | 279688 | 279689 |
| B23- 1 Analyse | 2009-07-31 | 2009-07-31 | 2009-07-31 |
| B23- 1 Li | 0.477 % | 0.248 % | 0.404 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28250- 10 | 28250- 11 | 28250- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279690 | 279691 | 279692 |
| B23- 1 Analyse | 2009-07-31 | 2009-08-04 | 2009-08-04 |
| B23- 1 Li | < 50.0 mg/kg | 0.763 % | 0.480 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28250- 13 | 28250- 14 | 28250- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279693 | 279694 | 279695 |
| B23- 1 Analyse | 2009-08-04 | 2009-08-04 | 2009-08-04 |
| B23- 1 Li | 0.398 % | 0.502 % | 0.399 % |

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|---|---|---|---|
| Numéro COREM : | 28250- 16 | 28250- 17 | 28250- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279696 | 279697 | 279698 |
| B23- 1 Analyse | 2009-08-04 | 2009-08-04 | 2009-08-04 |
| B23- 1 Li | 0.129 % | 0.298 % | 1.26 % |



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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
279681 à 279710
Date de réception : **2009-07-30**
Certificat émis le .: **2009-08-04**

**James McCann**
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| | | | |
|---|---|---|---|
| Numéro COREM : | 28250- 19 | 28250- 20 | 28250- 21 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279699 | 279700 | 279701 |
| B23- 1 Analyse | 2009-08-04 | 2009-08-04 | 2009-08-04 |
| B23- 1 Li | 1.20 % | 0.377 % | 0.983 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28250- 22 | 28250- 23 | 28250- 24 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279702 | 279703 | 279704 |
| B23- 1 Analyse | 2009-08-04 | 2009-08-04 | 2009-08-04 |
| B23- 1 Li | 0.631 % | 0.109 % | 0.172 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28250- 25 | 28250- 26 | 28250- 27 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279705 | 279706 | 279707 |
| B23- 1 Analyse | 2009-08-04 | 2009-08-04 | 2009-08-04 |
| B23- 1 Li | 0.767 % | 0.919 % | 0.188 % |

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|---|---|---|---|
| Numéro COREM : | 28250- 28 | 28250- 29 | 28250- 30 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279708 | 279709 | 279710 |
| B23- 1 Analyse | 2009-08-04 | 2009-08-04 | 2009-08-04 |
| B23- 1 Li | 411 mg/kg | 0.241 % | 0.215 % |

Responsable :

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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
279711 à 279730
Date de réception : **2009-08-03**
Certificat émis le .: **2009-08-05**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28277- 1 | 28277- 2 | 28277- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279711 | 279712 | 279713 |
| B23- 1 Analyse | 2009-08-05 | 2009-08-05 | 2009-08-05 |
| B23- 1 Li | 0.544 % | 0.641 % | 0.320 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28277- 4 | 28277- 5 | 28277- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279714 | 279715 | 279716 |
| B23- 1 Analyse | 2009-08-05 | 2009-08-05 | 2009-08-05 |
| B23- 1 Li | 0.717 % | 0.607 % | 0.563 % |

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|---|---|---|---|
| Numéro COREM : | 28277- 7 | 28277- 8 | 28277- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279717 | 279718 | 279719 |
| B23- 1 Analyse | 2009-08-05 | 2009-08-05 | 2009-08-05 |
| B23- 1 Li | 1.09 % | 0.451 % | 0.782 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28277- 10 | 28277- 11 | 28277- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279720 | 279721 | 279722 |
| B23- 1 Analyse | 2009-08-05 | 2009-08-05 | 2009-08-05 |
| B23- 1 Li | 0.363 % | 0.791 % | 0.774 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28277- 13 | 28277- 14 | 28277- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279723 | 279724 | 279725 |
| B23- 1 Analyse | 2009-08-05 | 2009-08-05 | 2009-08-05 |
| B23- 1 Li | 0.433 % | 0.268 % | 149 mg/kg |

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|---|---|---|---|
| Numéro COREM : | 28277- 16 | 28277- 17 | 28277- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279726 | 279727 | 279728 |
| B23- 1 Analyse | 2009-08-05 | 2009-08-05 | 2009-08-05 |
| B23- 1 Li | 0.129 % | 0.179 % | 0.587 % |



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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
279711 à 279730
Date de réception : **2009-08-03**
Certificat émis le .: **2009-08-05**

**James McCann**
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| | | | |
|---|---|---|---|
| Numéro COREM | : | 28277- 19 | 28277- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 279729 | 279730 |
| B23- 1 Analyse | | 2009-08-05 | 2009-08-05 |
| B23- 1 Li | | 0.584 % | < 50.0 mg/kg |

Responsable :

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| | | | |
|---|---|---|---|
| Numéro COREM : | 28278- 1 | 28278- 2 | 28278- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279731 | 279732 | 279733 |
| B23- 1 Analyse | 2009-08-05 | 2009-08-05 | 2009-08-05 |
| B23- 1 Li | 0.764 % | 0.548 % | 0.704 % |

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|---|---|---|---|
| Numéro COREM : | 28278- 4 | 28278- 5 | 28278- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279734 | 279735 | 279736 |
| B23- 1 Analyse | 2009-08-05 | 2009-08-05 | 2009-08-05 |
| B23- 1 Li | 0.512 % | 0.803 % | 0.239 % |

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|---|---|---|---|
| Numéro COREM : | 28278- 7 | 28278- 8 | 28278- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279737 | 279738 | 279739 |
| B23- 1 Analyse | 2009-08-05 | 2009-08-05 | 2009-08-05 |
| B23- 1 Li | 0.154 % | 0.481 % | 0.206 % |

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|---|---|---|---|
| Numéro COREM : | 28278- 10 | 28278- 11 | 28278- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279740 | 279741 | 279742 |
| B23- 1 Analyse | 2009-08-05 | 2009-08-05 | 2009-08-05 |
| B23- 1 Li | 0.584 % | 0.181 % | 217 mg/kg |

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|---|---|---|---|
| Numéro COREM : | 28278- 13 | 28278- 14 | 28278- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279743 | 279744 | 279745 |
| B23- 1 Analyse | 2009-08-05 | 2009-08-05 | 2009-08-05 |
| B23- 1 Li | 657 mg/kg | 0.430 % | 0.636 % |

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|---|---|---|---|
| Numéro COREM : | 28278- 16 | 28278- 17 | 28278- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279746 | 279747 | 279748 |
| B23- 1 Analyse | 2009-08-05 | 2009-08-05 | 2009-08-05 |
| B23- 1 Li | 0.630 % | 0.821 % | 0.734 % |

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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
279711 à 279730
Date de réception : **2009-08-03**
Certificat émis le .: **2009-08-05**

**James McCann**
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| | | | |
|---|---|---|---|
| Numéro COREM : | | 28278- 19 | 28278- 20 |
| Nature : | | SOLIDES | SOLIDES |
| Désignation : | | 279749 | 279750 |
| B23- 1 | Analyse | 2009-08-05 | 2009-08-05 |
| B23- 1 | Li | 0.532 % | 0.473 % |

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28279- 1 | 28279- 2 | 28279- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279751 | 279752 | 279753 |
| B23- 1 Analyse | 2009-08-05 | 2009-08-05 | 2009-08-05 |
| B23- 1 Li | 0.440 % | 0.566 % | 0.260 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28279- 4 | 28279- 5 | 28279- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279754 | 279755 | 279756 |
| B23- 1 Analyse | 2009-08-05 | 2009-08-05 | 2009-08-05 |
| B23- 1 Li | 492 mg/kg | 0.545 % | 0.442 % |

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|---|---|---|---|
| Numéro COREM : | 28279- 7 | 28279- 8 | 28279- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279757 | 279758 | 279759 |
| B23- 1 Analyse | 2009-08-05 | 2009-08-05 | 2009-08-05 |
| B23- 1 Li | 0.601 % | 0.634 % | 0.626 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28279- 10 | 28279- 11 | 28279- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279760 | 279761 | 279762 |
| B23- 1 Analyse | 2009-08-05 | 2009-08-05 | 2009-08-05 |
| B23- 1 Li | 0.356 % | 0.852 % | 0.658 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28279- 13 | 28279- 14 | 28279- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279763 | 279764 | 279765 |
| B23- 1 Analyse | 2009-08-05 | 2009-08-05 | 2009-08-05 |
| B23- 1 Li | 0.907 % | 0.338 % | 611 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28279- 16 | 28279- 17 | 28279- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279766 | 279767 | 279768 |
| B23- 1 Analyse | 2009-08-05 | 2009-08-05 | 2009-08-05 |
| B23- 1 Li | 0.401 % | 0.999 % | 0.873 % |

COREM

**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
279751 à 279770
Date de réception : **2009-08-03**
Certificat émis le .: **2009-08-05**

**James McCann**
**100563 Lithium One Inc.**

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|---|---|---|---|
| Numéro COREM | : | 28279- 19 | 28279- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 279769 | 279770 |
| B23- 1 Analyse | | 2009-08-05 | 2009-08-05 |
| B23- 1 Li | | 1.03 % | < 50.0 mg/kg |

Responsable :

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**James McCann**
**100563 Lithium One Inc.**

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|---|---|---|---|
| Numéro COREM : | 28281- 1 | 28281- 2 | 28281- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279771 | 279772 | 279773 |
| B23- 1 Analyse | 2009-08-05 | 2009-08-05 | 2009-08-05 |
| B23- 1 Li | 0.683 % | 0.904 % | 0.763 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28281- 4 | 28281- 5 | 28281- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279774 | 279775 | 279776 |
| B23- 1 Analyse | 2009-08-05 | 2009-08-05 | 2009-08-05 |
| B23- 1 Li | 1.21 % | 0.516 % | 0.583 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28281- 7 | 28281- 8 | 28281- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279777 | 279778 | 279779 |
| B23- 1 Analyse | 2009-08-05 | 2009-08-05 | 2009-08-05 |
| B23- 1 Li | 0.582 % | 0.450 % | 0.252 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28281- 10 | 28281- 11 | 28281- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279780 | 279781 | 279782 |
| B23- 1 Analyse | 2009-08-05 | 2009-08-05 | 2009-08-05 |
| B23- 1 Li | 0.364 % | 0.864 % | 240 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28281- 13 | 28281- 14 | 28281- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279783 | 279784 | 279785 |
| B23- 1 Analyse | 2009-08-05 | 2009-08-05 | 2009-08-05 |
| B23- 1 Li | 404 mg/kg | 0.836 % | 0.768 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28281- 16 | 28281- 17 | 28281- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279786 | 279787 | 279788 |
| B23- 1 Analyse | 2009-08-05 | 2009-08-05 | 2009-08-05 |
| B23- 1 Li | 0.793 % | 0.581 % | 0.811 % |

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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
279771 à 279790
Date de réception : **2009-08-04**
Certificat émis le .: **2009-08-05**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28281- 19 | 28281- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 279789 | 279790 |
| B23- 1 Analyse | | 2009-08-05 | 2009-08-05 |
| B23- 1 Li | | 0.735 % | 0.722 % |

Responsable :

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Directeur adjoint à la réalisation technique

Ce rapport contient des renseignements protégés et confidentiels à l'intention du destinataire. Les résultats ne se rapportent qu'aux échantillons soumis à l'analyse. Cette version remplace et annule toute version antérieure, le cas échéant. * Analyse faite par un sous-traitant.

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28282- 1 | 28282- 2 | 28282- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279791 | 279792 | 279793 |
| B23- 1 Analyse | 2009-08-06 | 2009-08-06 | 2009-08-06 |
| B23- 1 Li | 0.761 % | 0.932 % | 0.736 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28282- 4 | 28282- 5 | 28282- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279794 | 279795 | 279796 |
| B23- 1 Analyse | 2009-08-06 | 2009-08-06 | 2009-08-06 |
| B23- 1 Li | 0.284 % | 0.230 % | 0.268 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28282- 7 | 28282- 8 | 28282- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279797 | 279798 | 279799 |
| B23- 1 Analyse | 2009-08-06 | 2009-08-06 | 2009-08-06 |
| B23- 1 Li | 0.776 % | 0.467 % | 0.814 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28282- 10 | 28282- 11 | 28282- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279800 | 279801 | 279802 |
| B23- 1 Analyse | 2009-08-06 | 2009-08-06 | 2009-08-06 |
| B23- 1 Li | 0.571 % | 0.283 % | 0.535 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28282- 13 | 28282- 14 | 28282- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279803 | 279804 | 279805 |
| B23- 1 Analyse | 2009-08-06 | 2009-08-06 | 2009-08-06 |
| B23- 1 Li | 0.187 % | 95.0 mg/kg | 0.555 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28282- 16 | 28282- 17 | 28282- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279806 | 279807 | 279808 |
| B23- 1 Analyse | 2009-08-06 | 2009-08-06 | 2009-08-06 |
| B23- 1 Li | 0.814 % | 0.989 % | 0.832 % |

COREM

**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
279791 à 279810
Date de réception : **2009-08-04**
Certificat émis le .: **2009-08-06**

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| | | |
|---|---|---|
| Numéro COREM : | 28282- 19 | 28282- 20 |
| Nature : | SOLIDES | SOLIDES |
| Désignation : | 279809 | 279810 |
| B23- 1 Analyse | 2009-08-06 | 2009-08-06 |
| B23- 1 Li | 0.465 % | < 50.0 mg/kg |

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| | | | |
|---|---|---|---|
| Numéro COREM : | 28283- 1 | 28283- 2 | 28283- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279811 | 279812 | 279813 |
| B23- 1 Analyse | 2009-08-06 | 2009-08-06 | 2009-08-06 |
| B23- 1 Li | 0.749 % | 0.978 % | 0.517 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28283- 4 | 28283- 5 | 28283- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279814 | 279815 | 279816 |
| B23- 1 Analyse | 2009-08-06 | 2009-08-06 | 2009-08-06 |
| B23- 1 Li | 0.180 % | 0.582 % | 0.733 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28283- 7 | 28283- 8 | 28283- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279817 | 279818 | 279819 |
| B23- 1 Analyse | 2009-08-06 | 2009-08-06 | 2009-08-06 |
| B23- 1 Li | 0.395 % | 0.157 % | 0.723 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28283- 10 | 28283- 11 | 28283- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279820 | 279821 | 279822 |
| B23- 1 Analyse | 2009-08-06 | 2009-08-06 | 2009-08-06 |
| B23- 1 Li | 0.379 % | 0.568 % | 398 mg/kg |

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|---|---|---|---|
| Numéro COREM : | 28283- 13 | 28283- 14 | 28283- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279823 | 279824 | 279825 |
| B23- 1 Analyse | 2009-08-06 | 2009-08-06 | 2009-08-06 |
| B23- 1 Li | 0.589 % | 0.730 % | 0.626 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28283- 16 | 28283- 17 | 28283- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279826 | 279827 | 279828 |
| B23- 1 Analyse | 2009-08-06 | 2009-08-06 | 2009-08-06 |
| B23- 1 Li | 0.989 % | 0.690 % | 0.403 % |

COREM

**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
279811 à 279830
Date de réception : **2009-08-04**
Certificat émis le .: **2009-08-06**

**James McCann**
**100563 Lithium One Inc.**

| | | |
|---|---|---|
| Numéro COREM : | 28283- 19 | 28283- 20 |
| Nature : | SOLIDES | SOLIDES |
| Désignation : | 279829 | 279830 |
| B23- 1 Analyse | 2009-08-06 | 2009-08-06 |
| B23- 1 Li | 0.834 % | 0.880 % |

Responsable :

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28284- 1 | 28284- 2 | 28284- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279831 | 279832 | 279833 |
| B23- 1 Analyse | 2009-08-06 | 2009-08-06 | 2009-08-06 |
| B23- 1 Li | 0.706 % | 0.761 % | 1.09 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28284- 4 | 28284- 5 | 28284- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279834 | 279835 | 279836 |
| B23- 1 Analyse | 2009-08-06 | 2009-08-06 | 2009-08-06 |
| B23- 1 Li | 0.448 % | 0.685 % | 0.726 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28284- 7 | 28284- 8 | 28284- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279837 | 279838 | 279839 |
| B23- 1 Analyse | 2009-08-06 | 2009-08-06 | 2009-08-06 |
| B23- 1 Li | 0.431 % | 0.692 % | 0.832 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28284- 10 | 28284- 11 | 28284- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279840 | 279841 | 279842 |
| B23- 1 Analyse | 2009-08-06 | 2009-08-06 | 2009-08-06 |
| B23- 1 Li | 0.617 % | 0.867 % | 0.167 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28284- 13 | 28284- 14 | 28284- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279843 | 279844 | 279845 |
| B23- 1 Analyse | 2009-08-06 | 2009-08-06 | 2009-08-06 |
| B23- 1 Li | 138 mg/kg | 0.237 % | 0.796 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28284- 16 | 28284- 17 | 28284- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279846 | 279847 | 279848 |
| B23- 1 Analyse | 2009-08-06 | 2009-08-06 | 2009-08-06 |
| B23- 1 Li | 0.437 % | 472 mg/kg | 445 mg/kg |

COREM

**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
279831 à 279850
Date de réception : **2009-08-04**
Certificat émis le .: **2009-08-06**

**James McCann**
**100563 Lithium One Inc.**

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|---|---|---|
| Numéro COREM : | 28284- 19 | 28284- 20 |
| Nature : | SOLIDES | SOLIDES |
| Désignation : | 279849 | 279850 |
| B23- 1 Analyse | 2009-08-06 | 2009-08-06 |
| B23- 1 Li | 446 mg/kg | < 50.0 mg/kg |

Responsable :

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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
279851 à 279867
Date de réception : **2009-08-04**
Certificat émis le .: **2009-08-06**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28286- 1 | 28286- 2 | 28286- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279851 | 279852 | 279853 |
| B23- 1 Analyse | 2009-08-06 | 2009-08-06 | 2009-08-06 |
| B23- 1 Li | 0.580 % | 0.716 % | 0.681 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28286- 4 | 28286- 5 | 28286- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279854 | 279855 | 279856 |
| B23- 1 Analyse | 2009-08-06 | 2009-08-06 | 2009-08-06 |
| B23- 1 Li | 0.589 % | 0.208 % | 0.305 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28286- 7 | 28286- 8 | 28286- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279857 | 279858 | 279859 |
| B23- 1 Analyse | 2009-08-06 | 2009-08-06 | 2009-08-06 |
| B23- 1 Li | 0.559 % | 0.237 % | 0.607 % |

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|---|---|---|---|
| Numéro COREM : | 28286- 10 | 28286- 11 | 28286- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279860 | 279861 | 279862 |
| B23- 1 Analyse | 2009-08-06 | 2009-08-06 | 2009-08-06 |
| B23- 1 Li | 0.337 % | 0.908 % | 0.473 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28286- 13 | 28286- 14 | 28286- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279863 | 279864 | 279865 |
| B23- 1 Analyse | 2009-08-06 | 2009-08-06 | 2009-08-06 |
| B23- 1 Li | 0.822 % | 690 mg/kg | 0.229 % |

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|---|---|---|
| Numéro COREM : | 28286- 16 | 28286- 17 |
| Nature : | SOLIDES | SOLIDES |
| Désignation : | 279866 | 279867 |
| B23- 1 Analyse | 2009-08-06 | 2009-08-06 |
| B23- 1 Li | 0.657 % | 0.400 % |

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28289- 1 | 28289- 2 | 28289- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279868 | 279869 | 279870 |
| B23- 1 Analyse | 2009-08-06 | 2009-08-06 | 2009-08-06 |
| B23- 1 Li | 0.851 % | 0.352 % | 0.384 % |

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|---|---|---|---|
| Numéro COREM : | 28289- 4 | 28289- 5 | 28289- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279871 | 279872 | 279873 |
| B23- 1 Analyse | 2009-08-07 | 2009-08-07 | 2009-08-07 |
| B23- 1 Li | 66.3 mg/kg | 64.8 mg/kg | 897 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28289- 7 | 28289- 8 | 28289- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279874 | 279875 | 279876 |
| B23- 1 Analyse | 2009-08-07 | 2009-08-07 | 2009-08-07 |
| B23- 1 Li | 0.687 % | 0.538 % | 0.808 % |

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|---|---|---|---|
| Numéro COREM : | 28289- 10 | 28289- 11 | 28289- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279877 | 279878 | 279879 |
| B23- 1 Analyse | 2009-08-07 | 2009-08-07 | 2009-08-07 |
| B23- 1 Li | 0.503 % | 0.531 % | 0.670 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28289- 13 | 28289- 14 | 28289- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279880 | 279881 | 279882 |
| B23- 1 Analyse | 2009-08-07 | 2009-08-07 | 2009-08-07 |
| B23- 1 Li | 0.381 % | 0.509 % | 0.776 % |

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|---|---|---|---|
| Numéro COREM : | 28289- 16 | 28289- 17 | 28289- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279883 | 279884 | 279885 |
| B23- 1 Analyse | 2009-08-07 | 2009-08-07 | 2009-08-07 |
| B23- 1 Li | 0.746 % | 0.749 % | 0.698 % |

COREM

**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
279868 à 279890
Date de réception : **2009-08-05**
Certificat émis le .: **2009-08-07**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28289- 19 | 28289- 20 | 28289- 21 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279886 | 279887 | 279888 |
| B23- 1 Analyse | 2009-08-07 | 2009-08-07 | 2009-08-07 |
| B23- 1 Li | 0.871 % | 0.586 % | 0.567 % |

| | | |
|---|---|---|
| Numéro COREM : | 28289- 22 | 28289- 23 |
| Nature : | SOLIDES | SOLIDES |
| Désignation : | 279889 | 279890 |
| B23- 1 Analyse | 2009-08-07 | 2009-08-07 |
| B23- 1 Li | 115 mg/kg | < 50.0 mg/kg |

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28292- 1 | 28292- 2 | 28292- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0051 | 0052 | 0053 |
| B23- 1 Analyse | 2009-08-07 | 2009-08-07 | 2009-08-07 |
| B23- 1 Li | 128 mg/kg | 89.3 mg/kg | 192 mg/kg |

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|---|---|---|---|
| Numéro COREM : | 28292- 4 | 28292- 5 | 28292- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0054 | 0055 | 0056 |
| B23- 1 Analyse | 2009-08-07 | 2009-08-07 | 2009-08-07 |
| B23- 1 Li | 192 mg/kg | 104 mg/kg | 83.0 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28292- 7 | 28292- 8 | 28292- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0057 | 0058 | 0059 |
| B23- 1 Analyse | 2009-08-07 | 2009-08-07 | 2009-08-07 |
| B23- 1 Li | 0.119 % | 0.744 % | 0.633 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28292- 10 | 28292- 11 | 28292- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0060 | 0061 | 0062 |
| B23- 1 Analyse | 2009-08-07 | 2009-08-07 | 2009-08-07 |
| B23- 1 Li | < 50.0 mg/kg | 0.587 % | 0.523 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28292- 13 | 28292- 14 | 28292- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0063 | 0064 | 0065 |
| B23- 1 Analyse | 2009-08-07 | 2009-08-07 | 2009-08-07 |
| B23- 1 Li | 320 mg/kg | 0.122 % | 0.933 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28292- 16 | 28292- 17 | 28292- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0066 | 0067 | 0068 |
| B23- 1 Analyse | 2009-08-07 | 2009-08-07 | 2009-08-07 |
| B23- 1 Li | 0.861 % | 0.944 % | 0.661 % |

COREM

**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
0051 à 0070
Date de réception : **2009-08-05**
Certificat émis le .: **2009-08-07**

**James McCann**
**100563 Lithium One Inc.**

| | | |
|---|---|---|
| Numéro COREM : | 28292- 19 | 28292- 20 |
| Nature : | SOLIDES | SOLIDES |
| Désignation : | 0069 | 0070 |
| B23- 1 Analyse | 2009-08-07 | 2009-08-07 |
| B23- 1 Li | 0.861 % | 0.365 % |

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| | | | |
|---|---|---|---|
| Numéro COREM : | 28293- 1 | 28293- 2 | 28293- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0071 | 0072 | 0073 |
| B23- 1 Analyse | 2009-08-07 | 2009-08-07 | 2009-08-07 |
| B23- 1 Li | 0.328 % | 0.803 % | 0.680 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28293- 4 | 28293- 5 | 28293- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0074 | 0075 | 0076 |
| B23- 1 Analyse | 2009-08-07 | 2009-08-07 | 2009-08-07 |
| B23- 1 Li | 0.645 % | 0.653 % | 0.894 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28293- 7 | 28293- 8 | 28293- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0077 | 0078 | 0079 |
| B23- 1 Analyse | 2009-08-07 | 2009-08-07 | 2009-08-07 |
| B23- 1 Li | 0.544 % | 0.963 % | 0.454 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28293- 10 | 28293- 11 | 28293- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0080 | 0081 | 0082 |
| B23- 1 Analyse | 2009-08-07 | 2009-08-07 | 2009-08-07 |
| B23- 1 Li | 0.176 % | 0.765 % | 0.727 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28293- 13 | 28293- 14 | 28293- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0083 | 0084 | 0085 |
| B23- 1 Analyse | 2009-08-07 | 2009-08-07 | 2009-08-07 |
| B23- 1 Li | 0.949 % | 0.649 % | 0.985 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28293- 16 | 28293- 17 | 28293- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0086 | 0087 | 0088 |
| B23- 1 Analyse | 2009-08-07 | 2009-08-07 | 2009-08-07 |
| B23- 1 Li | 0.580 % | 0.390 % | 0.267 % |

COREM

**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
0051 à 0070
Date de réception : **2009-08-05**
Certificat émis le .: **2009-08-07**

**James McCann**
**100563 Lithium One Inc.**

| | | |
|---|---|---|
| Numéro COREM : | 28293- 19 | 28293- 20 |
| Nature : | SOLIDES | SOLIDES |
| Désignation : | 0089 | 0090 |
| B23- 1 Analyse | 2009-08-07 | 2009-08-07 |
| B23- 1 Li | 0.436 % | 0.378 % |

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| | | | |
|---|---|---|---|
| Numéro COREM : | 28294- 1 | 28294- 2 | 28294- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0951 | 0952 | 0953 |
| B23- 1 Analyse | 2009-08-07 | 2009-08-07 | 2009-08-07 |
| B23- 1 Li | 0.580 % | 1.16 % | 0.500 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28294- 4 | 28294- 5 | 28294- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0954 | 0955 | 0956 |
| B23- 1 Analyse | 2009-08-07 | 2009-08-07 | 2009-08-07 |
| B23- 1 Li | 0.757 % | 0.698 % | 0.487 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28294- 7 | 28294- 8 | 28294- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0957 | 0958 | 0959 |
| B23- 1 Analyse | 2009-08-07 | 2009-08-07 | 2009-08-07 |
| B23- 1 Li | 717 mg/kg | 0.395 % | 0.737 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28294- 10 | 28294- 11 | 28294- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0960 | 568781 | 568782 |
| B23- 1 Analyse | 2009-08-07 | 2009-08-07 | 2009-08-07 |
| B23- 1 Li | 0.631 % | 0.743 % | 0.690 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28294- 13 | 28294- 14 | 28294- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 568783 | 568784 | 568785 |
| B23- 1 Analyse | 2009-08-07 | 2009-08-07 | 2009-08-07 |
| B23- 1 Li | 1.02 % | 0.330 % | 0.671 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28294- 16 | 28294- 17 | 28294- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 568786 | 568787 | 568788 |
| B23- 1 Analyse | 2009-08-07 | 2009-08-07 | 2009-08-07 |
| B23- 1 Li | 0.204 % | 0.760 % | 0.582 % |



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## RAPPORT D'ANALYSE version 1

Votre référence ...: **LSA-2009-17**
00951 à 0960 et 568781 à
Date de réception : **2009-08-05**
Certificat émis le .: **2009-08-07**

**James McCann**
**100563 Lithium One Inc.**

| | | |
|---|---|---|
| Numéro COREM : | 28294- 19 | 28294- 20 |
| Nature : | SOLIDES | SOLIDES |
| Désignation : | 568789 | 568790 |
| B23- 1 Analyse | 2009-08-07 | 2009-08-07 |
| B23- 1 Li | 0.463 % | 0.727 % |

Responsable :

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COREM

**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
279891 à 279910
Date de réception : **2009-08-06**
Certificat émis le .: **2009-08-09**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28295- 1 | 28295- 2 | 28295- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279891 | 279892 | 279893 |
| B23- 1 Analyse | 2009-08-08 | 2009-08-08 | 2009-08-08 |
| B23- 1 Li | 0.554 % | 0.734 % | 0.710 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28295- 4 | 28295- 5 | 28295- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279894 | 279895 | 279896 |
| B23- 1 Analyse | 2009-08-08 | 2009-08-08 | 2009-08-08 |
| B23- 1 Li | 0.933 % | 0.759 % | 0.114 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28295- 7 | 28295- 8 | 28295- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279897 | 279898 | 279899 |
| B23- 1 Analyse | 2009-08-08 | 2009-08-08 | 2009-08-08 |
| B23- 1 Li | 451 mg/kg | 0.515 % | 0.991 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28295- 10 | 28295- 11 | 28295- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279900 | 279901 | 279902 |
| B23- 1 Analyse | 2009-08-08 | 2009-08-08 | 2009-08-08 |
| B23- 1 Li | 0.605 % | 0.848 % | 0.792 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28295- 13 | 28295- 14 | 28295- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279903 | 279904 | 279905 |
| B23- 1 Analyse | 2009-08-08 | 2009-08-08 | 2009-08-08 |
| B23- 1 Li | 0.567 % | 0.680 % | 1.03 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28295- 16 | 28295- 17 | 28295- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279906 | 279907 | 279908 |
| B23- 1 Analyse | 2009-08-08 | 2009-08-08 | 2009-08-08 |
| B23- 1 Li | 1.03 % | 0.456 % | 0.202 % |



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## RAPPORT D´ANALYSE version 1

Votre référence ....: **LSA-2009-17**
279891 à 279910
Date de réception : **2009-08-06**
Certificat émis le .: **2009-08-09**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28295- 19 | 28295- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 279909 | 279910 |
| B23- 1 Analyse | | 2009-08-08 | 2009-08-08 |
| B23- 1 Li | | 0.537 % | 0.514 % |

Responsable :

Bernard Montminy, chimiste, M.Sc.
Directeur adjoint à la réalisation technique

Ce rapport contient des renseignements protégés et confidentiels à l'intention du destinataire. Les résultats ne se rapportent qu'aux échantillons soumis à l'analyse. Cette version remplace et annule toute version antérieure, le cas échéant. * Analyse faite par un sous-traitant.

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28296- 1 | 28296- 2 | 28296- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279911 | 279912 | 279913 |
| B23- 1 Analyse | 2009-08-08 | 2009-08-08 | 2009-08-08 |
| B23- 1 Li | 0.166 % | 0.462 % | 683 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28296- 4 | 28296- 5 | 28296- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279914 | 279915 | 279916 |
| B23- 1 Analyse | 2009-08-08 | 2009-08-08 | 2009-08-08 |
| B23- 1 Li | 0.130 % | 0.102 % | 340 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28296- 7 | 28296- 8 | 28296- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279917 | 279918 | 279919 |
| B23- 1 Analyse | 2009-08-08 | 2009-08-08 | 2009-08-08 |
| B23- 1 Li | 519 mg/kg | 0.494 % | 0.695 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28296- 10 | 28296- 11 | 28296- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279920 | 279921 | 279922 |
| B23- 1 Analyse | 2009-08-08 | 2009-08-08 | 2009-08-08 |
| B23- 1 Li | 0.641 % | 0.466 % | 0.374 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28296- 13 | 28296- 14 | 28296- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279923 | 279924 | 279925 |
| B23- 1 Analyse | 2009-08-08 | 2009-08-08 | 2009-08-08 |
| B23- 1 Li | 0.144 % | 0.534 % | 0.812 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28296- 16 | 28296- 17 | 28296- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279926 | 279927 | 279928 |
| B23- 1 Analyse | 2009-08-08 | 2009-08-08 | 2009-08-08 |
| B23- 1 Li | 0.878 % | 0.554 % | 0.660 % |

COREM

**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
279911 à 279930
Date de réception : **2009-08-06**
Certificat émis le .: **2009-08-09**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | | 28296- 19 | 28296- 20 |
| Nature : | | SOLIDES | SOLIDES |
| Désignation : | | 279929 | 279930 |
| B23- 1 | Analyse | 2009-08-08 | 2009-08-08 |
| B23- 1 | Li | 0.283 % | < 50.0 mg/kg |

Responsable :

Bernard Montminy,chimiste,M.Sc.
Directeur adjoint à la réalisation technique

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28297- 1 | 28297- 2 | 28297- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279931 | 279932 | 279933 |
| B23- 1 Analyse | 2009-08-08 | 2009-08-08 | 2009-08-08 |
| B23- 1 Li | 0.448 % | 0.453 % | 0.159 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28297- 4 | 28297- 5 | 28297- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279934 | 279935 | 279936 |
| B23- 1 Analyse | 2009-08-08 | 2009-08-08 | 2009-08-08 |
| B23- 1 Li | 0.609 % | 0.709 % | 0.703 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28297- 7 | 28297- 8 | 28297- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279937 | 279938 | 279939 |
| B23- 1 Analyse | 2009-08-08 | 2009-08-08 | 2009-08-08 |
| B23- 1 Li | 0.597 % | 0.655 % | 0.861 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28297- 10 | 28297- 11 | 28297- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279940 | 279941 | 279942 |
| B23- 1 Analyse | 2009-08-08 | 2009-08-08 | 2009-08-08 |
| B23- 1 Li | 0.400 % | 0.734 % | 0.937 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28297- 13 | 28297- 14 | 28297- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279943 | 279944 | 279945 |
| B23- 1 Analyse | 2009-08-08 | 2009-08-08 | 2009-08-08 |
| B23- 1 Li | 0.809 % | 0.800 % | 0.853 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28297- 16 | 28297- 17 | 28297- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279946 | 279947 | 279948 |
| B23- 1 Analyse | 2009-08-08 | 2009-08-08 | 2009-08-08 |
| B23- 1 Li | 0.985 % | 0.857 % | 1.15 % |

COREM

**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
279931 à 279960
Date de réception : **2009-08-06**
Certificat émis le .: **2009-08-09**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28297- 19 | 28297- 20 | 28297- 21 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279949 | 279950 | 279951 |
| B23- 1 Analyse | 2009-08-08 | 2009-08-08 | 2009-08-08 |
| B23- 1 Li | 0.652 % | 0.665 % | 0.639 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28297- 22 | 28297- 23 | 28297- 24 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279952 | 279953 | 279954 |
| B23- 1 Analyse | 2009-08-08 | 2009-08-08 | 2009-08-08 |
| B23- 1 Li | 0.984 % | 0.946 % | 0.935 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28297- 25 | 28297- 26 | 28297- 27 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279955 | 279956 | 279957 |
| B23- 1 Analyse | 2009-08-08 | 2009-08-08 | 2009-08-08 |
| B23- 1 Li | 0.864 % | 0.755 % | 0.479 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28297- 28 | 28297- 29 | 28297- 30 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279958 | 279959 | 279960 |
| B23- 1 Analyse | 2009-08-08 | 2009-08-08 | 2009-08-08 |
| B23- 1 Li | 0.551 % | 0.610 % | 0.644 % |

Responsable :

Bernard Montminy,chimiste,M.Sc.
Directeur adjoint à la réalisation technique



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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
279961 à 279970
Date de réception : **2009-08-07**
Certificat émis le .: **2009-08-09**

**James McCann**
**100563 Lithium One Inc.**

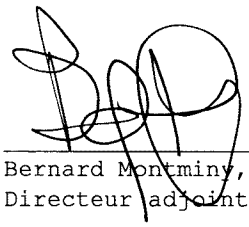
| | | | |
|---|---|---|---|
| Numéro COREM : | 28311- 1 | 28311- 2 | 28311- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279961 | 279962 | 279963 |
| B23- 1 Analyse | 2009-08-08 | 2009-08-08 | 2009-08-08 |
| B23- 1 Li | 0.318 % | 0.739 % | 1.01 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28311- 4 | 28311- 5 | 28311- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279964 | 279965 | 279966 |
| B23- 1 Analyse | 2009-08-08 | 2009-08-08 | 2009-08-08 |
| B23- 1 Li | 0.404 % | 1.02 % | 0.399 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28311- 7 | 28311- 8 | 28311- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279967 | 279968 | 279969 |
| B23- 1 Analyse | 2009-08-08 | 2009-08-08 | 2009-08-08 |
| B23- 1 Li | 0.415 % | 0.437 % | 0.155 % |

| | |
|---|---|
| Numéro COREM : | 28311- 10 |
| Nature : | SOLIDES |
| Désignation : | 279970 |
| B23- 1 Analyse | 2009-08-08 |
| B23- 1 Li | < 50.0 mg/kg |

Responsable :



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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28312- 1 | 28312- 2 | 28312- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0091 | 0092 | 0093 |
| B23- 1 Analyse | 2009-08-11 | 2009-08-11 | 2009-08-11 |
| B23- 1 Li | 0.484 % | 0.359 % | 0.834 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28312- 4 | 28312- 5 | 28312- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0094 | 0095 | 0096 |
| B23- 1 Analyse | 2009-08-11 | 2009-08-11 | 2009-08-11 |
| B23- 1 Li | 129 mg/kg | 0.211 % | 0.684 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28312- 7 | 28312- 8 | 28312- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0097 | 0098 | 0099 |
| B23- 1 Analyse | 2009-08-11 | 2009-08-11 | 2009-08-11 |
| B23- 1 Li | 596 mg/kg | 0.437 % | < 50.0 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28312- 10 | 28312- 11 | 28312- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0100 | 0101 | 0102 |
| B23- 1 Analyse | 2009-08-11 | 2009-08-11 | 2009-08-11 |
| B23- 1 Li | 0.663 % | 0.624 % | 0.448 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28312- 13 | 28312- 14 | 28312- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0103 | 0104 | 0105 |
| B23- 1 Analyse | 2009-08-11 | 2009-08-11 | 2009-08-11 |
| B23- 1 Li | 0.521 % | 0.212 % | 0.517 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28312- 16 | 28312- 17 | 28312- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0106 | 0107 | 0108 |
| B23- 1 Analyse | 2009-08-11 | 2009-08-11 | 2009-08-11 |
| B23- 1 Li | 0.607 % | 0.911 % | 0.653 % |



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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
0091 à 0110
Date de réception : **2009-08-07**
Certificat émis le .: **2009-08-11**

**James McCann**
**100563 Lithium One Inc.**

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|---|---|---|---|
| Numéro COREM | : | 28312- 19 | 28312- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 0109 | 0110 |
| B23- 1 Analyse | | 2009-08-11 | 2009-08-11 |
| B23- 1 Li | | 0.755 % | 649 mg/kg |

Responsable :

Bernard Montminy,chimiste,M.Sc.
Directeur adjoint à la réalisation technique

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28313- 1 | 28313- 2 | 28313- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0111 | 0112 | 0113 |
| B23- 1 Analyse | 2009-08-11 | 2009-08-11 | 2009-08-11 |
| B23- 1 Li | 0.273 % | 0.312 % | 0.930 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28313- 4 | 28313- 5 | 28313- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0114 | 0115 | 0116 |
| B23- 1 Analyse | 2009-08-11 | 2009-08-11 | 2009-08-11 |
| B23- 1 Li | 0.941 % | 0.800 % | 0.993 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28313- 7 | 28313- 8 | 28313- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0117 | 0118 | 0119 |
| B23- 1 Analyse | 2009-08-11 | 2009-08-11 | 2009-08-11 |
| B23- 1 Li | 0.597 % | 0.503 % | 0.503 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28313- 10 | 28313- 11 | 28313- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0120 | 0121 | 0122 |
| B23- 1 Analyse | 2009-08-11 | 2009-08-11 | 2009-08-11 |
| B23- 1 Li | 0.681 % | 0.697 % | 1.10 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28313- 13 | 28313- 14 | 28313- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0123 | 0124 | 0125 |
| B23- 1 Analyse | 2009-08-11 | 2009-08-11 | 2009-08-11 |
| B23- 1 Li | 0.566 % | 0.692 % | 1.04 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28313- 16 | 28313- 17 | 28313- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0126 | 0127 | 0128 |
| B23- 1 Analyse | 2009-08-11 | 2009-08-11 | 2009-08-11 |
| B23- 1 Li | 0.674 % | 0.390 % | 0.927 % |



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Votre référence ...: **LSA-2009-17**
0091 à 0110
Date de réception : **2009-08-07**
Certificat émis le .: **2009-08-11**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28313- 19 | 28313- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 0129 | 0130 |
| B23- 1 Analyse | | 2009-08-11 | 2009-08-11 |
| B23- 1 Li | | 0.392 % | 0.558 % |

Responsable :

Bernard Montminy, chimiste, M.Sc.
Directeur adjoint à la réalisation technique

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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
0131 à 0150
Date de réception : **2009-08-10**
Certificat émis le .: **2009-08-11**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28318- 1 | 28318- 2 | 28318- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0131 | 0132 | 0133 |
| B23- 1 Analyse | 2009-08-11 | 2009-08-11 | 2009-08-11 |
| B23- 1 Li | 0.743 % | 0.683 % | 0.566 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28318- 4 | 28318- 5 | 28318- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0134 | 0135 | 0136 |
| B23- 1 Analyse | 2009-08-11 | 2009-08-11 | 2009-08-11 |
| B23- 1 Li | 0.550 % | 0.915 % | 0.749 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28318- 7 | 28318- 8 | 28318- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0137 | 0138 | 0139 |
| B23- 1 Analyse | 2009-08-11 | 2009-08-11 | 2009-08-11 |
| B23- 1 Li | 0.644 % | < 50.0 mg/kg | 0.913 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28318- 10 | 28318- 11 | 28318- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0140 | 0141 | 0142 |
| B23- 1 Analyse | 2009-08-11 | 2009-08-11 | 2009-08-11 |
| B23- 1 Li | 0.454 % | 0.946 % | 0.769 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28318- 13 | 28318- 14 | 28318- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0143 | 0144 | 0145 |
| B23- 1 Analyse | 2009-08-11 | 2009-08-11 | 2009-08-11 |
| B23- 1 Li | 0.657 % | 0.765 % | 0.668 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28318- 16 | 28318- 17 | 28318- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0146 | 0147 | 0148 |
| B23- 1 Analyse | 2009-08-11 | 2009-08-11 | 2009-08-11 |
| B23- 1 Li | 0.474 % | 0.823 % | 0.594 % |



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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
0131 à 0150
Date de réception : **2009-08-10**
Certificat émis le .: **2009-08-11**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28318- 19 | 28318- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 0149 | 0150 |
| B23- 1 Analyse | | 2009-08-11 | 2009-08-11 |
| B23- 1 Li | | 0.593 % | 0.903 % |

Responsable :

Bernard Montminy,chimiste,M.Sc.
Directeur adjoint à la réalisation technique

Ce rapport contient des renseignements protégés et confidentiels à l'intention du destinataire. Les résultats ne se rapportent qu'aux échantillons soumis à l'analyse. Cette version remplace et annule toute version antérieure, le cas échéant. * Analyse faite par un sous-traitant.

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28319- 1 | 28319- 2 | 28319- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0151 | 0152 | 0153 |
| B23- 1 Analyse | 2009-08-11 | 2009-08-11 | 2009-08-11 |
| B23- 1 Li | 0.294 % | 812 mg/kg | 165 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28319- 4 | 28319- 5 | 28319- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0154 | 0155 | 0156 |
| B23- 1 Analyse | 2009-08-11 | 2009-08-11 | 2009-08-11 |
| B23- 1 Li | 98.5 mg/kg | 0.150 % | 0.532 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28319- 7 | 28319- 8 | 28319- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0157 | 0158 | 0159 |
| B23- 1 Analyse | 2009-08-11 | 2009-08-11 | 2009-08-11 |
| B23- 1 Li | 0.164 % | 127 mg/kg | 0.133 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28319- 10 | 28319- 11 | 28319- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0160 | 0161 | 0162 |
| B23- 1 Analyse | 2009-08-11 | 2009-08-11 | 2009-08-11 |
| B23- 1 Li | 1.02 % | 0.917 % | 0.504 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28319- 13 | 28319- 14 | 28319- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0163 | 0164 | 0165 |
| B23- 1 Analyse | 2009-08-11 | 2009-08-11 | 2009-08-11 |
| B23- 1 Li | 0.540 % | 0.870 % | 0.702 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28319- 16 | 28319- 17 | 28319- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0166 | 0167 | 0168 |
| B23- 1 Analyse | 2009-08-11 | 2009-08-11 | 2009-08-11 |
| B23- 1 Li | 0.844 % | 0.666 % | 0.626 % |



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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
0151 à 0170
Date de réception : **2009-08-10**
Certificat émis le .: **2009-08-11**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28319- 19 | 28319- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 0169 | 0170 |
| B23- 1 Analyse | | 2009-08-11 | 2009-08-11 |
| B23- 1 Li | | 0.748 % | 0.339 % |

Responsable :

Bernard Montminy,chimiste,M.Sc.
Directeur adjoint à la réalisation technique



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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28320- 1 | 28320- 2 | 28320- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0171 | 0172 | 0173 |
| B23- 1 Analyse | 2009-08-12 | 2009-08-12 | 2009-08-12 |
| B23- 1 Li | 0.656 % | 0.806 % | 0.420 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28320- 4 | 28320- 5 | 28320- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0174 | 0175 | 0176 |
| B23- 1 Analyse | 2009-08-12 | 2009-08-12 | 2009-08-12 |
| B23- 1 Li | 0.940 % | 1.01 % | 0.329 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28320- 7 | 28320- 8 | 28320- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0177 | 0178 | 0179 |
| B23- 1 Analyse | 2009-08-12 | 2009-08-12 | 2009-08-12 |
| B23- 1 Li | 0.707 % | < 50.0 mg/kg | 0.680 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28320- 10 | 28320- 11 | 28320- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0180 | 0181 | 0182 |
| B23- 1 Analyse | 2009-08-12 | 2009-08-12 | 2009-08-12 |
| B23- 1 Li | 0.831 % | 0.814 % | 1.15 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28320- 13 | 28320- 14 | 28320- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0183 | 0184 | 0185 |
| B23- 1 Analyse | 2009-08-12 | 2009-08-12 | 2009-08-12 |
| B23- 1 Li | 0.876 % | 0.831 % | 0.148 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28320- 16 | 28320- 17 | 28320- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0186 | 0187 | 0188 |
| B23- 1 Analyse | 2009-08-12 | 2009-08-12 | 2009-08-12 |
| B23- 1 Li | 0.793 % | 0.351 % | 418 mg/kg |



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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
0171 à 0190
Date de réception : **2009-08-10**
Certificat émis le .: **2009-08-12**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28320- 19 | 28320- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 0189 | 0190 |
| B23- 1 Analyse | | 2009-08-12 | 2009-08-12 |
| B23- 1 Li | | 0.389 % | 386 mg/kg |

Responsable :

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28325- 1 | 28325- 2 | 28325- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279971 | 279972 | 279973 |
| B23- 1 Analyse | 2009-08-12 | 2009-08-12 | 2009-08-12 |
| B23- 1 Li | 0.628 % | 0.917 % | 0.922 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28325- 4 | 28325- 5 | 28325- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279974 | 279975 | 279976 |
| B23- 1 Analyse | 2009-08-12 | 2009-08-12 | 2009-08-12 |
| B23- 1 Li | 0.553 % | 0.895 % | 0.573 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28325- 7 | 28325- 8 | 28325- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279977 | 279978 | 279979 |
| B23- 1 Analyse | 2009-08-12 | 2009-08-12 | 2009-08-12 |
| B23- 1 Li | 0.775 % | 1.05 % | 0.648 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28325- 10 | 28325- 11 | 28325- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279980 | 279981 | 279982 |
| B23- 1 Analyse | 2009-08-12 | 2009-08-12 | 2009-08-12 |
| B23- 1 Li | 0.445 % | 0.262 % | 0.611 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28325- 13 | 28325- 14 | 28325- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279983 | 279984 | 279985 |
| B23- 1 Analyse | 2009-08-12 | 2009-08-12 | 2009-08-12 |
| B23- 1 Li | 0.882 % | 0.776 % | 230 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28325- 16 | 28325- 17 | 28325- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279986 | 279987 | 279988 |
| B23- 1 Analyse | 2009-08-12 | 2009-08-12 | 2009-08-12 |
| B23- 1 Li | 0.103 % | 0.906 % | 0.735 % |

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## RAPPORT D´ANALYSE version 1

Votre référence ...: **LSA-2009-17**
279971 à 279990
Date de réception : **2009-08-10**
Certificat émis le .: **2009-08-12**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | | 28325- 19 | 28325- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 279989 | 279990 |
| B23- 1 Analyse | | 2009-08-12 | 2009-08-12 |
| B23- 1 Li | | 0.774 % | 0.782 % |

Responsable :

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# RAPPORT D´ANALYSE version 2

Votre référence ...: **LSA-2009-17**
279991 à 28000 0501 à 05
Date de réception : **2009-08-10**
Certificat émis le .: **2009-09-02**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28326- 1 | 28326- 2 | 28326- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279991 | 279992 | 279993 |
| B23- 1 Analyse | 2009-08-12 | 2009-08-12 | 2009-08-12 |
| B23- 1 Li | 0.607 % | 0.631 % | 0.706 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28326- 4 | 28326- 5 | 28326- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279994 | 279995 | 279996 |
| B23- 1 Analyse | 2009-08-12 | 2009-08-12 | 2009-08-12 |
| B23- 1 Li | 0.655 % | 0.315 % | 1.12 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28326- 7 | 28326- 8 | 28326- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279997 | 279998 | 279999 |
| B23- 1 Analyse | 2009-08-12 | 2009-08-12 | 2009-08-12 |
| B23- 1 Li | 0.611 % | 0.819 % | 0.416 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28326- 10 | 28326- 11 | 28326- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 280000 | 0501 | 0502 |
| B23- 1 Analyse | 2009-08-12 | 2009-08-12 | 2009-08-12 |
| B23- 1 Li | 0.653 % | 0.889 % | 0.635 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28326- 13 | 28326- 14 | 28326- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0503 | 0504 | 0505 |
| B23- 1 Analyse | 2009-08-12 | 2009-08-12 | 2009-08-12 |
| B23- 1 Li | 537 mg/kg | 0.335 % | < 50.0 mg/kg |

| | |
|---|---|
| Numéro COREM : | 28326- 16 |
| Nature : | SOLIDES |
| Désignation : | 0506 |
| B23- 1 Analyse | 2009-08-12 |
| B23- 1 Li | 0.691 % |

Responsable :

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| | | | |
|---|---|---|---|
| Numéro COREM : | 28327- 1 | 28327- 2 | 28327- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0191 | 0192 | 0193 |
| B23- 1 Analyse | 2009-08-12 | 2009-08-12 | 2009-08-12 |
| B23- 1 Li | 0.245 % | 0.137 % | 1.01 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28327- 4 | 28327- 5 | 28327- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0194 | 0195 | 0196 |
| B23- 1 Analyse | 2009-08-12 | 2009-08-12 | 2009-08-12 |
| B23- 1 Li | 0.669 % | 0.542 % | 0.345 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28327- 7 | 28327- 8 | 28327- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0197 | 0198 | 0199 |
| B23- 1 Analyse | 2009-08-12 | 2009-08-12 | 2009-08-12 |
| B23- 1 Li | 0.679 % | 0.641 % | 0.566 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28327- 10 | 28327- 11 | 28327- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0200 | 0201 | 0202 |
| B23- 1 Analyse | 2009-08-12 | 2009-08-12 | 2009-08-12 |
| B23- 1 Li | 0.962 % | 0.704 % | 0.724 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28327- 13 | 28327- 14 | 28327- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0203 | 0204 | 0205 |
| B23- 1 Analyse | 2009-08-12 | 2009-08-12 | 2009-08-12 |
| B23- 1 Li | 0.860 % | 713 mg/kg | 0.578 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28327- 16 | 28327- 17 | 28327- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0206 | 0207 | 0208 |
| B23- 1 Analyse | 2009-08-12 | 2009-08-12 | 2009-08-12 |
| B23- 1 Li | 0.769 % | 336 mg/kg | 189 mg/kg |



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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
0191 à 0210
Date de réception : **2009-08-10**
Certificat émis le .: **2009-08-13**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28327- 19 | 28327- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 0209 | 0210 |
| B23- 1 Analyse | | 2009-08-12 | 2009-08-12 |
| B23- 1 Li | | 0.361 % | 0.391 % |

Responsable :

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Directeur adjoint à la réalisation technique

Ce rapport contient des renseignements protégés et confidentiels à l'intention du destinataire. Les résultats ne se rapportent qu'aux échantillons soumis à l'analyse. Cette version remplace et annule toute version antérieure, le cas échéant. * Analyse faite par un sous-traitant.

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**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28328- 1 | 28328- 2 | 28328- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0211 | 0212 | 0213 |
| B23- 1 Analyse | 2009-08-13 | 2009-08-13 | 2009-08-13 |
| B23- 1 Li | 0.915 % | 0.416 % | 0.613 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28328- 4 | 28328- 5 | 28328- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0214 | 0215 | 0216 |
| B23- 1 Analyse | 2009-08-13 | 2009-08-13 | 2009-08-13 |
| B23- 1 Li | 0.389 % | 0.559 % | 0.825 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28328- 7 | 28328- 8 | 28328- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0217 | 0218 | 0219 |
| B23- 1 Analyse | 2009-08-13 | 2009-08-13 | 2009-08-13 |
| B23- 1 Li | < 50.0 mg/kg | 0.276 % | 0.247 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28328- 10 | 28328- 11 | 28328- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0220 | 0221 | 0222 |
| B23- 1 Analyse | 2009-08-13 | 2009-08-13 | 2009-08-13 |
| B23- 1 Li | 0.205 % | 0.641 % | 0.464 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28328- 13 | 28328- 14 | 28328- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0223 | 0224 | 0225 |
| B23- 1 Analyse | 2009-08-13 | 2009-08-13 | 2009-08-13 |
| B23- 1 Li | 0.587 % | 0.880 % | 0.684 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28328- 16 | 28328- 17 | 28328- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0226 | 0227 | 0228 |
| B23- 1 Analyse | 2009-08-13 | 2009-08-13 | 2009-08-13 |
| B23- 1 Li | 0.730 % | 0.646 % | 0.789 % |

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# RAPPORT D´ANALYSE version 1

Votre référence ....: **LSA-2009-17**
0211 à 0230
Date de réception : **2009-08-10**
Certificat émis le .: **2009-08-13**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28328- 19 | 28328- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 0229 | 0230 |
| B23- 1 Analyse | | 2009-08-13 | 2009-08-13 |
| B23- 1 Li | | 0.599 % | 0.313 % |

Responsable :

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28334- 1 | 28334- 2 | 28334- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0261 | 0262 | 0263 |
| B23- 1 Analyse | 2009-08-17 | 2009-08-17 | 2009-08-17 |
| B23- 1 Li | 0.325 % | 0.395 % | 0.505 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28334- 4 | 28334- 5 | 28334- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0264 | 0265 | 0266 |
| B23- 1 Analyse | 2009-08-17 | 2009-08-17 | 2009-08-17 |
| B23- 1 Li | 165 mg/kg | 138 mg/kg | 138 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28334- 7 | 28334- 8 | 28334- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0267 | 0268 | 0269 |
| B23- 1 Analyse | 2009-08-17 | 2009-08-17 | 2009-08-17 |
| B23- 1 Li | 0.218 % | 0.799 % | 0.873 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28334- 10 | 28334- 11 | 28334- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0270 | 0271 | 0272 |
| B23- 1 Analyse | 2009-08-17 | 2009-08-17 | 2009-08-17 |
| B23- 1 Li | 0.657 % | 1.06 % | 0.950 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28334- 13 | 28334- 14 | 28334- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0273 | 0274 | 0275 |
| B23- 1 Analyse | 2009-08-17 | 2009-08-17 | 2009-08-17 |
| B23- 1 Li | 1.08 % | 0.833 % | 0.559 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28334- 16 | 28334- 17 | 28334- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0276 | 0277 | 0278 |
| B23- 1 Analyse | 2009-08-17 | 2009-08-17 | 2009-08-17 |
| B23- 1 Li | 0.693 % | 1.05 % | 1.07 % |

COREM

**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
0261 à 0280
Date de réception : **2009-08-12**
Certificat émis le .: **2009-08-17**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28334- 19 | 28334- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 0279 | 0280 |
| B23- 1 Analyse | | 2009-08-17 | 2009-08-17 |
| B23- 1 Li | | 0.726 % | 0.809 % |

Responsable :

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28340- 1 | 28340- 2 | 28340- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0507 | 0508 | 0509 |
| B23- 1 Analyse | 2009-08-13 | 2009-08-13 | 2009-08-13 |
| B23- 1 Li | 0.539 % | 0.454 % | 0.805 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28340- 4 | 28340- 5 | 28340- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0510 | 0511 | 0512 |
| B23- 1 Analyse | 2009-08-13 | 2009-08-13 | 2009-08-13 |
| B23- 1 Li | 0.349 % | 70.4 mg/kg | 0.100 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28340- 7 | 28340- 8 | 28340- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0513 | 0514 | 0515 |
| B23- 1 Analyse | 2009-08-13 | 2009-08-13 | 2009-08-13 |
| B23- 1 Li | 163 mg/kg | 0.390 % | 0.423 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28340- 10 | 28340- 11 | 28340- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0516 | 0517 | 0518 |
| B23- 1 Analyse | 2009-08-13 | 2009-08-13 | 2009-08-13 |
| B23- 1 Li | 0.384 % | 0.116 % | 1.23 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28340- 13 | 28340- 14 | 28340- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0519 | 0520 | 0521 |
| B23- 1 Analyse | 2009-08-13 | 2009-08-13 | 2009-08-13 |
| B23- 1 Li | 0.751 % | 0.943 % | 0.541 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28340- 16 | 28340- 17 | 28340- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0522 | 0523 | 0524 |
| B23- 1 Analyse | 2009-08-13 | 2009-08-13 | 2009-08-13 |
| B23- 1 Li | 0.862 % | 0.673 % | 0.748 % |

COREM

## RAPPORT D'ANALYSE version 1

Votre référence ...: **LSA-2009-17**
0507 à 0526
Date de réception : **2009-08-11**
Certificat émis le .: **2009-08-13**

**James McCann**
**100563 Lithium One Inc.**

| | | |
|---|---|---|
| Numéro COREM : | 28340- 19 | 28340- 20 |
| Nature : | SOLIDES | SOLIDES |
| Désignation : | 0525 | 0526 |
| B23- 1 Analyse | 2009-08-13 | 2009-08-13 |
| B23- 1 Li | 0.984 % | 0.662 % |

Responsable :

Bernard Montminy,chimiste,M.Sc.
Directeur adjoint à la réalisation technique



**COREM**
1180, rue de la Minéralogie, Québec (Québec) Canada G1N 1X7
Téléphone : (418) 527-8211 Télécopieur : (418) 527-4818

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28341- 1 | 28341- 2 | 28341- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0527 | 0528 | 0529 |
| B23- 1 Analyse | 2009-08-13 | 2009-08-13 | 2009-08-13 |
| B23- 1 Li | 0.548 % | 1.01 % | 0.423 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28341- 4 | 28341- 5 | 28341- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0530 | 0531 | 0532 |
| B23- 1 Analyse | 2009-08-13 | 2009-08-13 | 2009-08-13 |
| B23- 1 Li | 0.314 % | 1.50 % | 666 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28341- 7 | 28341- 8 | 28341- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0533 | 0534 | 0535 |
| B23- 1 Analyse | 2009-08-13 | 2009-08-13 | 2009-08-13 |
| B23- 1 Li | 0.994 % | 0.339 % | 0.758 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28341- 10 | 28341- 11 | 28341- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0536 | 0537 | 0538 |
| B23- 1 Analyse | 2009-08-13 | 2009-08-13 | 2009-08-13 |
| B23- 1 Li | 0.622 % | 1.18 % | 0.409 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28341- 13 | 28341- 14 | 28341- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0539 | 0540 | 0541 |
| B23- 1 Analyse | 2009-08-13 | 2009-08-13 | 2009-08-13 |
| B23- 1 Li | 0.767 % | 0.713 % | 0.429 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28341- 16 | 28341- 17 | 28341- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0542 | 0543 | 0544 |
| B23- 1 Analyse | 2009-08-13 | 2009-08-13 | 2009-08-13 |
| B23- 1 Li | 0.630 % | 196 mg/kg | 0.865 % |

COREM

**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
0527 à 0546
Date de réception : **2009-08-11**
Certificat émis le .: **2009-08-13**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28341- 19 | 28341- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 0545 | 0546 |
| B23- 1 Analyse | | 2009-08-13 | 2009-08-13 |
| B23- 1 Li | | 0.103 % | < 50.0 mg/kg |

Responsable :

Bernard Monsminy,chimiste,M.Sc.
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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28342- 1 | 28342- 2 | 28342- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0547 | 0548 | 0549 |
| B23- 1 Analyse | 2009-08-13 | 2009-08-13 | 2009-08-13 |
| B23- 1 Li | 0.779 % | 0.891 % | 0.960 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28342- 4 | 28342- 5 | 28342- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0550 | 0551 | 0552 |
| B23- 1 Analyse | 2009-08-13 | 2009-08-13 | 2009-08-13 |
| B23- 1 Li | 0.303 % | 0.846 % | 0.425 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28342- 7 | 28342- 8 | 28342- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0553 | 0554 | 0555 |
| B23- 1 Analyse | 2009-08-13 | 2009-08-13 | 2009-08-13 |
| B23- 1 Li | 0.973 % | 0.981 % | 0.668 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28342- 10 | 28342- 11 | 28342- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0556 | 0557 | 0558 |
| B23- 1 Analyse | 2009-08-13 | 2009-08-13 | 2009-08-13 |
| B23- 1 Li | 0.559 % | 190 mg/kg | 0.343 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28342- 13 | 28342- 14 | 28342- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0559 | 0560 | 0561 |
| B23- 1 Analyse | 2009-08-13 | 2009-08-13 | 2009-08-13 |
| B23- 1 Li | 0.774 % | 0.642 % | 0.799 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28342- 16 | 28342- 17 | 28342- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0562 | 0563 | 0564 |
| B23- 1 Analyse | 2009-08-13 | 2009-08-13 | 2009-08-13 |
| B23- 1 Li | 1.09 % | 0.941 % | 0.737 % |

COREM

**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
0547 à 0566
Date de réception : **2009-08-11**
Certificat émis le .: **2009-08-14**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28342- 19 | 28342- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 0565 | 0566 |
| B23- 1 Analyse | | 2009-08-13 | 2009-08-13 |
| B23- 1 Li | | 0.614 % | 0.391 % |

Responsable :

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28343- 1 | 28343- 2 | 28343- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0567 | 0568 | 0569 |
| B23- 1 Analyse | 2009-08-13 | 2009-08-13 | 2009-08-13 |
| B23- 1 Li | 0.285 % | 0.806 % | 0.821 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28343- 4 | 28343- 5 | 28343- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0570 | 0571 | 0572 |
| B23- 1 Analyse | 2009-08-13 | 2009-08-13 | 2009-08-13 |
| B23- 1 Li | 0.438 % | 0.353 % | 1.03 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28343- 7 | 28343- 8 | 28343- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0573 | 0574 | 0575 |
| B23- 1 Analyse | 2009-08-13 | 2009-08-13 | 2009-08-13 |
| B23- 1 Li | 0.828 % | 0.499 % | 0.960 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28343- 10 | 28343- 11 | 28343- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0576 | 0577 | 0578 |
| B23- 1 Analyse | 2009-08-13 | 2009-08-13 | 2009-08-13 |
| B23- 1 Li | 0.584 % | 0.146 % | 162 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28343- 13 | 28343- 14 | 28343- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0579 | 0580 | 0581 |
| B23- 1 Analyse | 2009-08-13 | 2009-08-13 | 2009-08-13 |
| B23- 1 Li | 0.394 % | 181 mg/kg | 0.913 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28343- 16 | 28343- 17 | 28343- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0582 | 0583 | 0584 |
| B23- 1 Analyse | 2009-08-13 | 2009-08-13 | 2009-08-13 |
| B23- 1 Li | < 50.0 mg/kg | 0.951 % | 0.657 % |

COREM

**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
0567 à 0586
Date de réception : **2009-08-11**
Certificat émis le .: **2009-08-14**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28343- 19 | 28343- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 0585 | 0586 |
| B23- 1 Analyse | | 2009-08-13 | 2009-08-13 |
| B23- 1 Li | | 0.773 % | 0.426 % |

Responsable :

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28344- 1 | 28344- 2 | 28344- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0587 | 0588 | 0589 |
| B23- 1 Analyse | 2009-08-14 | 2009-08-14 | 2009-08-14 |
| B23- 1 Li | 0.526 % | 0.837 % | 0.648 % |

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|---|---|---|---|
| Numéro COREM : | 28344- 4 | 28344- 5 | 28344- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0590 | 0591 | 0592 |
| B23- 1 Analyse | 2009-08-14 | 2009-08-14 | 2009-08-14 |
| B23- 1 Li | 0.197 % | 0.467 % | 0.767 % |

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|---|---|---|---|
| Numéro COREM : | 28344- 7 | 28344- 8 | 28344- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0593 | 0594 | 0595 |
| B23- 1 Analyse | 2009-08-14 | 2009-08-14 | 2009-08-14 |
| B23- 1 Li | 0.393 % | 1.13 % | 0.655 % |

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|---|---|---|---|
| Numéro COREM : | 28344- 10 | 28344- 11 | 28344- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0596 | 0597 | 0598 |
| B23- 1 Analyse | 2009-08-14 | 2009-08-14 | 2009-08-14 |
| B23- 1 Li | 0.381 % | 0.643 % | 0.861 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28344- 13 | 28344- 14 | 28344- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0599 | 0600 | 0601 |
| B23- 1 Analyse | 2009-08-14 | 2009-08-14 | 2009-08-14 |
| B23- 1 Li | 0.795 % | 0.161 % | 0.453 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28344- 16 | 28344- 17 | 28344- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0602 | 0603 | 0604 |
| B23- 1 Analyse | 2009-08-14 | 2009-08-14 | 2009-08-14 |
| B23- 1 Li | 409 mg/kg | 0.198 % | 0.974 % |

COREM

**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
0587 à 0611
Date de réception : **2009-08-11**
Certificat émis le .: **2009-08-14**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28344- 19 | 28344- 20 | 28344- 21 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0605 | 0606 | 0607 |
| B23- 1 Analyse | 2009-08-14 | 2009-08-14 | 2009-08-14 |
| B23- 1 Li | 1.30 % | 0.690 % | 0.811 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28344- 22 | 28344- 23 | 28344- 24 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0608 | 0609 | 0610 |
| B23- 1 Analyse | 2009-08-14 | 2009-08-14 | 2009-08-14 |
| B23- 1 Li | 0.546 % | 242 mg/kg | 80.1 mg/kg |

| | |
|---|---|
| Numéro COREM : | 28344- 25 |
| Nature : | SOLIDES |
| Désignation : | 0611 |
| B23- 1 Analyse | 2009-08-14 |
| B23- 1 Li | 145 mg/kg |

Responsable :

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28351- 1 | 28351- 2 | 28351- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0612 | 0613 | 0614 |
| B23- 1 Analyse | 2009-08-14 | 2009-08-14 | 2009-08-14 |
| B23- 1 Li | 110 mg/kg | 65.9 mg/kg | 0.288 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28351- 4 | 28351- 5 | 28351- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0615 | 0616 | 0617 |
| B23- 1 Analyse | 2009-08-14 | 2009-08-14 | 2009-08-14 |
| B23- 1 Li | 0.371 % | 0.405 % | 340 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28351- 7 | 28351- 8 | 28351- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0618 | 0619 | 0620 |
| B23- 1 Analyse | 2009-08-14 | 2009-08-14 | 2009-08-14 |
| B23- 1 Li | 0.904 % | 0.631 % | 0.801 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28351- 10 | 28351- 11 | 28351- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0621 | 0622 | 0623 |
| B23- 1 Analyse | 2009-08-14 | 2009-08-14 | 2009-08-14 |
| B23- 1 Li | 0.544 % | 0.916 % | < 50.0 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28351- 13 | 28351- 14 | 28351- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0624 | 0625 | 0626 |
| B23- 1 Analyse | 2009-08-14 | 2009-08-14 | 2009-08-14 |
| B23- 1 Li | 0.656 % | 0.740 % | 0.889 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28351- 16 | 28351- 17 | 28351- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0627 | 0628 | 0629 |
| B23- 1 Analyse | 2009-08-14 | 2009-08-14 | 2009-08-14 |
| B23- 1 Li | 1.82 % | 0.788 % | 0.733 % |



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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
0612 à 0631
Date de réception : **2009-08-12**
Certificat émis le .: **2009-08-14**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28351- 19 | 28351- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 0630 | 0631 |
| B23- 1 Analyse | | 2009-08-14 | 2009-08-14 |
| B23- 1 Li | | 1.29 % | 0.896 % |

Responsable :

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28352- 1 | 28352- 2 | 28352- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0632 | 0633 | 0634 |
| B23- 1 Analyse | 2009-08-14 | 2009-08-14 | 2009-08-14 |
| B23- 1 Li | 1.25 % | 0.227 % | 0.452 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28352- 4 | 28352- 5 | 28352- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0635 | 0636 | 0637 |
| B23- 1 Analyse | 2009-08-14 | 2009-08-14 | 2009-08-14 |
| B23- 1 Li | < 50.0 mg/kg | 0.394 % | 0.268 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28352- 7 | 28352- 8 | 28352- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0638 | 0639 | 0640 |
| B23- 1 Analyse | 2009-08-14 | 2009-08-14 | 2009-08-14 |
| B23- 1 Li | 0.608 % | 0.536 % | 0.538 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28352- 10 | 28352- 11 | 28352- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0641 | 0642 | 0643 |
| B23- 1 Analyse | 2009-08-14 | 2009-08-14 | 2009-08-14 |
| B23- 1 Li | 0.314 % | 0.411 % | 366 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28352- 13 | 28352- 14 | 28352- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0644 | 0645 | 0646 |
| B23- 1 Analyse | 2009-08-14 | 2009-08-14 | 2009-08-14 |
| B23- 1 Li | 513 mg/kg | 0.407 % | 0.382 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28352- 16 | 28352- 17 | 28352- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0647 | 0648 | 0649 |
| B23- 1 Analyse | 2009-08-14 | 2009-08-14 | 2009-08-14 |
| B23- 1 Li | 0.380 % | 0.399 % | 0.391 % |

COREM

**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
0631 à 0651
Date de réception : **2009-08-12**
Certificat émis le .: **2009-08-14**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28352- 19 | 28352- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 0650 | 0651 |
| B23- 1 Analyse | | 2009-08-14 | 2009-08-14 |
| B23- 1 Li | | 0.312 % | 0.183 % |

Responsable :

Bernard Montminy,chimiste,M.Sc.
Directeur adjoint à la réalisation technique

Ce rapport contient des renseignements protégés et confidentiels à l'intention du destinataire. Les résultats ne se rapportent qu'aux échantillons soumis à l'analyse. Cette version remplace et annule toute version antérieure, le cas échéant. * Analyse faite par un sous-traitant.

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28353- 1 | 28353- 2 | 28353- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0652 | 0653 | 0654 |
| B23- 1 Analyse | 2009-08-14 | 2009-08-14 | 2009-08-14 |
| B23- 1 Li | 0.112 % | 0.226 % | 0.183 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28353- 4 | 28353- 5 | 28353- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0655 | 0656 | 0657 |
| B23- 1 Analyse | 2009-08-14 | 2009-08-14 | 2009-08-14 |
| B23- 1 Li | 395 mg/kg | 0.714 % | 0.398 % |

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|---|---|---|---|
| Numéro COREM : | 28353- 7 | 28353- 8 | 28353- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0658 | 0659 | 0660 |
| B23- 1 Analyse | 2009-08-14 | 2009-08-14 | 2009-08-14 |
| B23- 1 Li | 1.17 % | 0.853 % | 0.597 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28353- 10 | 28353- 11 | 28353- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0661 | 0662 | 0663 |
| B23- 1 Analyse | 2009-08-14 | 2009-08-14 | 2009-08-14 |
| B23- 1 Li | < 50.0 mg/kg | 0.235 % | 0.403 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28353- 13 | 28353- 14 | 28353- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0664 | 0665 | 0666 |
| B23- 1 Analyse | 2009-08-14 | 2009-08-14 | 2009-08-14 |
| B23- 1 Li | 0.398 % | 0.145 % | 757 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28353- 16 | 28353- 17 | 28353- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0667 | 0668 | 0669 |
| B23- 1 Analyse | 2009-08-14 | 2009-08-14 | 2009-08-14 |
| B23- 1 Li | 654 mg/kg | 269 mg/kg | 0.263 % |

COREM

**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
0652 à 0680
Date de réception : **2009-08-12**
Certificat émis le .: **2009-08-17**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28353- 19 | 28353- 20 | 28353- 21 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0670 | 0671 | 0672 |
| B23- 1 Analyse | 2009-08-14 | 2009-08-14 | 2009-08-14 |
| B23- 1 Li | 0.102 % | 0.613 % | 676 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28353- 22 | 28353- 23 | 28353- 24 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0673 | 0674 | 0675 |
| B23- 1 Analyse | 2009-08-14 | 2009-08-14 | 2009-08-14 |
| B23- 1 Li | 0.385 % | 137 mg/kg | 0.168 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28353- 25 | 28353- 26 | 28353- 27 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0676 | 0677 | 0678 |
| B23- 1 Analyse | 2009-08-14 | 2009-08-14 | 2009-08-14 |
| B23- 1 Li | 0.104 % | 0.524 % | 0.352 % |

| | | |
|---|---|---|
| Numéro COREM : | 28353- 28 | 28353- 29 |
| Nature : | SOLIDES | SOLIDES |
| Désignation : | 0679 | 0680 |
| B23- 1 Analyse | 2009-08-14 | 2009-08-14 |
| B23- 1 Li | 0.339 % | 97.8 mg/kg |

Responsable :

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Téléphone : (418) 527-8211 Télécopieur : (418) 527-4818

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28354- 1 | 28354- 2 | 28354- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0231 | 0232 | 0233 |
| B23- 1 Analyse | 2009-08-17 | 2009-08-17 | 2009-08-17 |
| B23- 1 Li | 216 mg/kg | 0.443 % | 567 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28354- 4 | 28354- 5 | 28354- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0234 | 0235 | 0236 |
| B23- 1 Analyse | 2009-08-17 | 2009-08-17 | 2009-08-17 |
| B23- 1 Li | 0.555 % | 0.524 % | 0.739 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28354- 7 | 28354- 8 | 28354- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0237 | 0238 | 0239 |
| B23- 1 Analyse | 2009-08-17 | 2009-08-17 | 2009-08-17 |
| B23- 1 Li | 0.648 % | 246 mg/kg | 89.2 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28354- 10 | 28354- 11 | 28354- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0240 | 0241 | 0242 |
| B23- 1 Analyse | 2009-08-17 | 2009-08-17 | 2009-08-17 |
| B23- 1 Li | 0.278 % | 0.175 % | 0.157 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28354- 13 | 28354- 14 | 28354- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0243 | 0244 | 0245 |
| B23- 1 Analyse | 2009-08-17 | 2009-08-17 | 2009-08-17 |
| B23- 1 Li | 0.647 % | 234 mg/kg | 0.826 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28354- 16 | 28354- 17 | 28354- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0246 | 0247 | 0248 |
| B23- 1 Analyse | 2009-08-17 | 2009-08-17 | 2009-08-17 |
| B23- 1 Li | 0.660 % | 0.848 % | 0.614 % |

COREM

**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
0231 à 0260
Date de réception : **2009-08-12**
Certificat émis le .: **2009-08-17**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28354- 19 | 28354- 20 | 28354- 21 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0249 | 0250 | 0251 |
| B23- 1 Analyse | 2009-08-17 | 2009-08-17 | 2009-08-17 |
| B23- 1 Li | 0.783 % | 0.613 % | < 50.0 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28354- 22 | 28354- 23 | 28354- 24 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0252 | 0253 | 0254 |
| B23- 1 Analyse | 2009-08-17 | 2009-08-17 | 2009-08-17 |
| B23- 1 Li | 0.631 % | 0.504 % | 0.910 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28354- 25 | 28354- 26 | 28354- 27 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0255 | 0256 | 0257 |
| B23- 1 Analyse | 2009-08-17 | 2009-08-17 | 2009-08-17 |
| B23- 1 Li | 0.817 % | 0.683 % | 0.463 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28354- 28 | 28354- 29 | 28354- 30 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0258 | 0259 | 0260 |
| B23- 1 Analyse | 2009-08-17 | 2009-08-17 | 2009-08-17 |
| B23- 1 Li | 0.790 % | 0.266 % | 0.496 % |

Responsable :

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28365- 1 | 28365- 2 | 28365- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0294 | 0295 | 0296 |
| B23- 1 Analyse | 2009-08-18 | 2009-08-18 | 2009-08-18 |
| B23- 1 Li | 0.328 % | 0.441 % | 594 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28365- 4 | 28365- 5 | 28365- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0297 | 0298 | 0299 |
| B23- 1 Analyse | 2009-08-18 | 2009-08-18 | 2009-08-18 |
| B23- 1 Li | 66.8 mg/kg | 475 mg/kg | 0.624 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28365- 7 | 28365- 8 | 28365- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0300 | 0301 | 0302 |
| B23- 1 Analyse | 2009-08-18 | 2009-08-18 | 2009-08-18 |
| B23- 1 Li | 0.462 % | 0.289 % | 0.867 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28365- 10 | 28365- 11 | 28365- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0303 | 0304 | 0305 |
| B23- 1 Analyse | 2009-08-18 | 2009-08-18 | 2009-08-18 |
| B23- 1 Li | 0.380 % | 0.493 % | 0.286 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28365- 13 | 28365- 14 | 28365- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0306 | 0307 | 0308 |
| B23- 1 Analyse | 2009-08-18 | 2009-08-18 | 2009-08-18 |
| B23- 1 Li | 0.689 % | 0.663 % | 0.475 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28365- 16 | 28365- 17 | 28365- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0309 | 0310 | 0311 |
| B23- 1 Analyse | 2009-08-18 | 2009-08-18 | 2009-08-18 |
| B23- 1 Li | 0.564 % | 0.882 % | 0.721 % |

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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
0294 à 0313
Date de réception : **2009-08-13**
Certificat émis le .: **2009-08-18**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28365- 19 | 28365- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 0312 | 0313 |
| B23- 1 Analyse | | 2009-08-18 | 2009-08-18 |
| B23- 1 Li | | 0.720 % | 0.708 % |

Responsable :

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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
0314 à 0333
Date de réception : **2009-08-13**
Certificat émis le .: **2009-08-18**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28366- 1 | 28366- 2 | 28366- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0314 | 0315 | 0316 |
| B23- 1 Analyse | 2009-08-18 | 2009-08-18 | 2009-08-18 |
| B23- 1 Li | 0.824 % | 0.604 % | 1.26 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28366- 4 | 28366- 5 | 28366- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0317 | 0318 | 0319 |
| B23- 1 Analyse | 2009-08-18 | 2009-08-18 | 2009-08-18 |
| B23- 1 Li | 0.578 % | 0.119 % | 0.726 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28366- 7 | 28366- 8 | 28366- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0320 | 0321 | 0322 |
| B23- 1 Analyse | 2009-08-18 | 2009-08-18 | 2009-08-18 |
| B23- 1 Li | 0.687 % | 0.602 % | 0.110 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28366- 10 | 28366- 11 | 28366- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0323 | 0324 | 0325 |
| B23- 1 Analyse | 2009-08-18 | 2009-08-18 | 2009-08-18 |
| B23- 1 Li | 200 mg/kg | 472 mg/kg | 0.601 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28366- 13 | 28366- 14 | 28366- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0326 | 0327 | 0328 |
| B23- 1 Analyse | 2009-08-18 | 2009-08-18 | 2009-08-18 |
| B23- 1 Li | 224 mg/kg | 0.456 % | 0.735 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28366- 16 | 28366- 17 | 28366- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0329 | 0330 | 0331 |
| B23- 1 Analyse | 2009-08-18 | 2009-08-18 | 2009-08-18 |
| B23- 1 Li | 508 mg/kg | 453 mg/kg | 0.470 % |



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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
0314 à 0333
Date de réception : **2009-08-13**
Certificat émis le .: **2009-08-18**

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**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28366- 19 | 28366- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 0332 | 0333 |
| B23- 1 Analyse | | 2009-08-18 | 2009-08-18 |
| B23- 1 Li | | 0.868 % | < 50.0 mg/kg |

Responsable :

Bernard Montminy, chimiste, M.Sc.
Directeur adjoint à la réalisation technique

Ce rapport contient des renseignements protégés et confidentiels à l'intention du destinataire. Les résultats ne se rapportent qu'aux échantillons soumis à l'analyse. Cette version remplace et annule toute version antérieure, le cas échéant. * Analyse faite par un sous-traitant.

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28367- 1 | 28367- 2 | 28367- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0334 | 0335 | 0336 |
| B23- 1 Analyse | 2009-08-18 | 2009-08-18 | 2009-08-18 |
| B23- 1 Li | 0.739 % | 0.660 % | 0.851 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28367- 4 | 28367- 5 | 28367- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0337 | 0338 | 0339 |
| B23- 1 Analyse | 2009-08-18 | 2009-08-18 | 2009-08-18 |
| B23- 1 Li | 0.902 % | 0.817 % | 0.900 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28367- 7 | 28367- 8 | 28367- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0340 | 0341 | 0342 |
| B23- 1 Analyse | 2009-08-18 | 2009-08-18 | 2009-08-18 |
| B23- 1 Li | 0.906 % | 0.845 % | 0.582 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28367- 10 | 28367- 11 | 28367- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0343 | 0344 | 0345 |
| B23- 1 Analyse | 2009-08-18 | 2009-08-18 | 2009-08-18 |
| B23- 1 Li | 0.816 % | 0.635 % | 0.916 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28367- 13 | 28367- 14 | 28367- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0346 | 0347 | 0348 |
| B23- 1 Analyse | 2009-08-18 | 2009-08-18 | 2009-08-18 |
| B23- 1 Li | 0.934 % | 0.687 % | 0.772 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28367- 16 | 28367- 17 | 28367- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0349 | 0350 | 0351 |
| B23- 1 Analyse | 2009-08-18 | 2009-08-18 | 2009-08-18 |
| B23- 1 Li | 0.613 % | 0.270 % | 0.554 % |

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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
0334 à 0353
Date de réception : **2009-08-13**
Certificat émis le .: **2009-08-18**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28367- 19 | 28367- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 0352 | 0353 |
| B23- 1 Analyse | | 2009-08-18 | 2009-08-18 |
| B23- 1 Li | | 299 mg/kg | 0.221 % |

Responsable :

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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
0354 à 0360 et 568814 à
Date de réception : **2009-08-13**
Certificat émis le .: **2009-08-18**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28368- 1 | 28368- 2 | 28368- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0354 | 0355 | 0356 |
| B23- 1 Analyse | 2009-08-18 | 2009-08-18 | 2009-08-18 |
| B23- 1 Li | 0.504 % | 0.626 % | 0.371 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28368- 4 | 28368- 5 | 28368- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0357 | 0358 | 0359 |
| B23- 1 Analyse | 2009-08-18 | 2009-08-18 | 2009-08-18 |
| B23- 1 Li | 0.829 % | 0.123 % | 105 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28368- 7 | 28368- 8 | 28368- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0360 | 568814 | 568815 |
| B23- 1 Analyse | 2009-08-18 | 2009-08-18 | 2009-08-18 |
| B23- 1 Li | 104 mg/kg | 0.504 % | 0.682 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28368- 10 | 28368- 11 | 28368- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 568816 | 568817 | 568818 |
| B23- 1 Analyse | 2009-08-18 | 2009-08-18 | 2009-08-18 |
| B23- 1 Li | 0.475 % | 0.923 % | 147 mg/kg |

| | | |
|---|---|---|
| Numéro COREM : | 28368- 13 | 28368- 14 |
| Nature : | SOLIDES | SOLIDES |
| Désignation : | 568819 | 568820 |
| B23- 1 Analyse | 2009-08-18 | 2009-08-18 |
| B23- 1 Li | 1.18 % | 0.926 % |

Responsable :

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28389- 1 | 28389- 2 | 28389- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0681 | 0682 | 0683 |
| B23- 1 Analyse | 2009-08-19 | 2009-08-19 | 2009-08-19 |
| B23- 1 Li | 79.8 mg/kg | 356 mg/kg | 0.507 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28389- 4 | 28389- 5 | 28389- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0684 | 0685 | 0686 |
| B23- 1 Analyse | 2009-08-19 | 2009-08-19 | 2009-08-19 |
| B23- 1 Li | 0.566 % | 0.736 % | 0.653 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28389- 7 | 28389- 8 | 28389- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0687 | 0688 | 0689 |
| B23- 1 Analyse | 2009-08-19 | 2009-08-19 | 2009-08-19 |
| B23- 1 Li | 0.415 % | 0.254 % | 0.334 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28389- 10 | 28389- 11 | 28389- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0690 | 0691 | 0692 |
| B23- 1 Analyse | 2009-08-19 | 2009-08-19 | 2009-08-19 |
| B23- 1 Li | 1.34 % | 0.612 % | 0.833 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28389- 13 | 28389- 14 | 28389- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0693 | 0694 | 0695 |
| B23- 1 Analyse | 2009-08-19 | 2009-08-19 | 2009-08-19 |
| B23- 1 Li | 0.575 % | 0.932 % | 0.900 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28389- 16 | 28389- 17 | 28389- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0696 | 0697 | 0698 |
| B23- 1 Analyse | 2009-08-19 | 2009-08-19 | 2009-08-19 |
| B23- 1 Li | 0.614 % | 0.586 % | 0.701 % |

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# RAPPORT D´ANALYSE version 1

Votre référence ...: **LSA-2009-17**
0681 à 700
Date de réception : **2009-08-17**
Certificat émis le .: **2009-08-19**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28389- 19 | 28389- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 0699 | 0700 |
| B23- 1 Analyse | | 2009-08-19 | 2009-08-19 |
| B23- 1 Li | | 0.609 % | 0.289 % |

Responsable :

Bernard Montminy,chimiste,M.Sc.
Directeur adjoint à la réalisation technique

Ce rapport contient des renseignements protégés et confidentiels à l'intention du destinataire. Les résultats ne se rapportent qu'aux échantillons soumis à l'analyse. Cette version remplace et annule toute version antérieure, le cas échéant. * Analyse faite par un sous-traitant.

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28390- 1 | 28390- 2 | 28390- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0701 | 0702 | 0703 |
| B23- 1 Analyse | 2009-08-19 | 2009-08-19 | 2009-08-19 |
| B23- 1 Li | 0.864 % | 0.376 % | < 50.0 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28390- 4 | 28390- 5 | 28390- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0704 | 0705 | 0706 |
| B23- 1 Analyse | 2009-08-19 | 2009-08-19 | 2009-08-19 |
| B23- 1 Li | 0.582 % | 0.719 % | 0.338 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28390- 7 | 28390- 8 | 28390- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0707 | 0708 | 0709 |
| B23- 1 Analyse | 2009-08-19 | 2009-08-19 | 2009-08-19 |
| B23- 1 Li | 0.692 % | 390 mg/kg | 0.176 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28390- 10 | 28390- 11 | 28390- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0710 | 0711 | 0712 |
| B23- 1 Analyse | 2009-08-19 | 2009-08-19 | 2009-08-19 |
| B23- 1 Li | 0.361 % | 0.632 % | 0.261 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28390- 13 | 28390- 14 | 28390- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0713 | 0714 | 0715 |
| B23- 1 Analyse | 2009-08-19 | 2009-08-19 | 2009-08-19 |
| B23- 1 Li | 1.15 % | 523 mg/kg | 0.437 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28390- 16 | 28390- 17 | 28390- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0716 | 0717 | 0718 |
| B23- 1 Analyse | 2009-08-19 | 2009-08-19 | 2009-08-19 |
| B23- 1 Li | 0.903 % | 0.522 % | 1.09 % |

COREM

**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
0701 à 0722
Date de réception : **2009-08-17**
Certificat émis le .: **2009-08-19**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28390- 19 | 28390- 20 | 28390- 21 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0719 | 0720 | 0721 |
| B23- 1 Analyse | 2009-08-19 | 2009-08-19 | 2009-08-19 |
| B23- 1 Li | 0.578 % | 0.290 % | 0.476 % |

| | |
|---|---|
| Numéro COREM : | 28390- 22 |
| Nature : | SOLIDES |
| Désignation : | 0722 |
| B23- 1 Analyse | 2009-08-19 |
| B23- 1 Li | 0.725 % |

Responsable :

Bernard Montminy,chimiste,M.Sc.
Directeur adjoint à la réalisation technique

Ce rapport contient des renseignements protégés et confidentiels à l'intention du destinataire. Les résultats ne se rapportent qu'aux échantillons soumis à l'analyse. Cette version remplace et annule toute version antérieure, le cas échéant. * Analyse faite par un sous-traitant.

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28397- 1 | 28397- 2 | 28397- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0723 | 0724 | 0725 |
| B23- 1 Analyse | 2009-08-19 | 2009-08-19 | 2009-08-19 |
| B23- 1 Li | 1.00 % | 0.794 % | 0.695 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28397- 4 | 28397- 5 | 28397- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0726 | 0727 | 0728 |
| B23- 1 Analyse | 2009-08-19 | 2009-08-19 | 2009-08-19 |
| B23- 1 Li | 1.14 % | 0.954 % | 1.22 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28397- 7 | 28397- 8 | 28397- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0729 | 0730 | 0731 |
| B23- 1 Analyse | 2009-08-19 | 2009-08-19 | 2009-08-19 |
| B23- 1 Li | 0.698 % | 0.728 % | 1.33 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28397- 10 | 28397- 11 | 28397- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0732 | 0733 | 0734 |
| B23- 1 Analyse | 2009-08-19 | 2009-08-19 | 2009-08-19 |
| B23- 1 Li | 0.414 % | 1.07 % | 0.748 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28397- 13 | 28397- 14 | 28397- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0735 | 0736 | 0737 |
| B23- 1 Analyse | 2009-08-19 | 2009-08-19 | 2009-08-19 |
| B23- 1 Li | 0.761 % | 0.723 % | 0.808 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28397- 16 | 28397- 17 | 28397- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0738 | 0739 | 0740 |
| B23- 1 Analyse | 2009-08-19 | 2009-08-19 | 2009-08-19 |
| B23- 1 Li | 0.654 % | 0.509 % | 0.919 % |

COREM

**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
0723 À 0741
Date de réception : **2009-08-18**
Certificat émis le .: **2009-08-19**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28397- 19 | 28397- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 0741 | 0742 |
| B23- 1 Analyse | | 2009-08-19 | 2009-08-19 |
| B23- 1 Li | | 0.604 % | 0.489 % |

Responsable :

Bernard Montminy, chimiste, M.Sc.
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Téléphone : (418) 527-8211 Télécopieur : (418) 527-4818

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28398- 1 | 28398- 2 | 28398- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0743 | 0744 | 0745 |
| B23- 1 Analyse | 2009-08-19 | 2009-08-19 | 2009-08-19 |
| B23- 1 Li | 237 mg/kg | < 50.0 mg/kg | 338 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28398- 4 | 28398- 5 | 28398- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0746 | 0747 | 0748 |
| B23- 1 Analyse | 2009-08-19 | 2009-08-19 | 2009-08-19 |
| B23- 1 Li | 119 mg/kg | 348 mg/kg | 1.29 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28398- 7 | 28398- 8 | 28398- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0749 | 0750 | 0751 |
| B23- 1 Analyse | 2009-08-19 | 2009-08-19 | 2009-08-19 |
| B23- 1 Li | 1.07 % | 0.262 % | 0.240 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28398- 10 | 28398- 11 | 28398- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0752 | 0753 | 0754 |
| B23- 1 Analyse | 2009-08-19 | 2009-08-19 | 2009-08-19 |
| B23- 1 Li | 0.615 % | 1.27 % | 0.563 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28398- 13 | 28398- 14 | 28398- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0755 | 0756 | 0757 |
| B23- 1 Analyse | 2009-08-19 | 2009-08-19 | 2009-08-19 |
| B23- 1 Li | 0.644 % | 0.603 % | 1.11 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28398- 16 | 28398- 17 | 28398- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0758 | 0759 | 0760 |
| B23- 1 Analyse | 2009-08-19 | 2009-08-19 | 2009-08-19 |
| B23- 1 Li | 0.357 % | 0.418 % | 1.02 % |

COREM

**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
0743 à 0766
Date de réception : **2009-08-18**
Certificat émis le .: **2009-08-20**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28398- 19 | 28398- 20 | 28398- 21 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0761 | 0762 | 0763 |
| B23- 1 Analyse | 2009-08-19 | 2009-08-19 | 2009-08-20 |
| B23- 1 Li | 0.599 % | 0.926 % | 0.702 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28398- 22 | 28398- 23 | 28398- 24 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0764 | 0765 | 0766 |
| B23- 1 Analyse | 2009-08-20 | 2009-08-20 | 2009-08-20 |
| B23- 1 Li | 0.823 % | 0.844 % | 1.13 % |

Responsable :

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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
0767 à 0780
Date de réception : **2009-08-18**
Certificat émis le .: **2009-08-21**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28399- 1 | 28399- 2 | 28399- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0767 | 0768 | 0769 |
| B23- 1 Analyse | 2009-08-20 | 2009-08-20 | 2009-08-20 |
| B23- 1 Li | 0.426 % | 0.622 % | 0.459 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28399- 4 | 28399- 5 | 28399- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0770 | 0771 | 0772 |
| B23- 1 Analyse | 2009-08-20 | 2009-08-20 | 2009-08-20 |
| B23- 1 Li | 329 mg/kg | 51.1 mg/kg | 0.120 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28399- 7 | 28399- 8 | 28399- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0773 | 0774 | 0775 |
| B23- 1 Analyse | 2009-08-20 | 2009-08-20 | 2009-08-20 |
| B23- 1 Li | 0.681 % | 0.743 % | 0.313 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28399- 10 | 28399- 11 | 28399- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0776 | 0777 | 0778 |
| B23- 1 Analyse | 2009-08-20 | 2009-08-20 | 2009-08-20 |
| B23- 1 Li | 1.04 % | 0.393 % | 0.588 % |

| | | |
|---|---|---|
| Numéro COREM : | 28399- 13 | 28399- 14 |
| Nature : | SOLIDES | SOLIDES |
| Désignation : | 0779 | 0780 |
| B23- 1 Analyse | 2009-08-20 | 2009-08-20 |
| B23- 1 Li | 0.391 % | 0.688 % |

Responsable :

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28400- 1 | 28400- 2 | 28400- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0361 | 0362 | 0363 |
| B23- 1 Analyse | 2009-08-21 | 2009-08-21 | 2009-08-21 |
| B23- 1 Li | 0.964 % | 0.575 % | 96.2 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28400- 4 | 28400- 5 | 28400- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0364 | 0365 | 0366 |
| B23- 1 Analyse | 2009-08-21 | 2009-08-21 | 2009-08-21 |
| B23- 1 Li | 96.6 mg/kg | 800 mg/kg | 0.378 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28400- 7 | 28400- 8 | 28400- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0367 | 0368 | 0369 |
| B23- 1 Analyse | 2009-08-21 | 2009-08-21 | 2009-08-21 |
| B23- 1 Li | 1.00 % | 0.953 % | 0.562 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28400- 10 | 28400- 11 | 28400- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0370 | 0371 | 0372 |
| B23- 1 Analyse | 2009-08-21 | 2009-08-21 | 2009-08-21 |
| B23- 1 Li | 0.769 % | 0.540 % | 0.773 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28400- 13 | 28400- 14 | 28400- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0373 | 0374 | 0375 |
| B23- 1 Analyse | 2009-08-21 | 2009-08-21 | 2009-08-21 |
| B23- 1 Li | 0.910 % | < 50.0 mg/kg | 1.18 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28400- 16 | 28400- 17 | 28400- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0376 | 0377 | 0378 |
| B23- 1 Analyse | 2009-08-21 | 2009-08-21 | 2009-08-21 |
| B23- 1 Li | 0.986 % | 0.776 % | 0.553 % |

COREM

**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
0361 à 0391
Date de réception : **2009-08-18**
Certificat émis le .: **2009-08-21**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28400- 19 | 28400- 20 | 28400- 21 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0379 | 0380 | 0381 |
| B23- 1 Analyse | 2009-08-21 | 2009-08-21 | 2009-08-21 |
| B23- 1 Li | 0.578 % | 0.752 % | 0.608 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28400- 22 | 28400- 23 | 28400- 24 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0382 | 0383 | 0384 |
| B23- 1 Analyse | 2009-08-21 | 2009-08-21 | 2009-08-21 |
| B23- 1 Li | 0.952 % | 0.963 % | 0.498 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28400- 25 | 28400- 26 | 28400- 27 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0385 | 0386 | 0387 |
| B23- 1 Analyse | 2009-08-21 | 2009-08-21 | 2009-08-21 |
| B23- 1 Li | 0.622 % | 0.255 % | 0.755 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28400- 28 | 28400- 29 | 28400- 30 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0388 | 0389 | 0390 |
| B23- 1 Analyse | 2009-08-21 | 2009-08-21 | 2009-08-21 |
| B23- 1 Li | 0.773 % | 0.983 % | 0.603 % |

| | |
|---|---|
| Numéro COREM : | 28400- 31 |
| Nature : | SOLIDES |
| Désignation : | 0391 |
| B23- 1 Analyse | 2009-08-21 |
| B23- 1 Li | 0.865 % |

Responsable :

Bernard Montminy, chimiste, M.Sc.
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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
0781 à 0800
Date de réception : **2009-08-20**
Certificat émis le .: **2009-08-21**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28429- 1 | 28429- 2 | 28429- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0781 | 0782 | 0783 |
| B23- 1 Analyse | 2009-08-21 | 2009-08-21 | 2009-08-21 |
| B23- 1 Li | 0.755 % | < 50.0 mg/kg | 1.30 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28429- 4 | 28429- 5 | 28429- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0784 | 0785 | 0786 |
| B23- 1 Analyse | 2009-08-21 | 2009-08-21 | 2009-08-21 |
| B23- 1 Li | 0.291 % | 0.697 % | 0.211 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28429- 7 | 28429- 8 | 28429- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0787 | 0788 | 0789 |
| B23- 1 Analyse | 2009-08-21 | 2009-08-21 | 2009-08-21 |
| B23- 1 Li | 0.318 % | 0.807 % | 418 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28429- 10 | 28429- 11 | 28429- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0790 | 0791 | 0792 |
| B23- 1 Analyse | 2009-08-21 | 2009-08-21 | 2009-08-21 |
| B23- 1 Li | 477 mg/kg | 0.625 % | 0.382 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28429- 13 | 28429- 14 | 28429- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0793 | 0794 | 0795 |
| B23- 1 Analyse | 2009-08-21 | 2009-08-21 | 2009-08-21 |
| B23- 1 Li | 0.437 % | 0.526 % | 0.706 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28429- 16 | 28429- 17 | 28429- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0796 | 0797 | 0798 |
| B23- 1 Analyse | 2009-08-21 | 2009-08-21 | 2009-08-21 |
| B23- 1 Li | 0.782 % | 0.665 % | 0.659 % |



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# RAPPORT D´ANALYSE version 1

Votre référence ...: **LSA-2009-17**
0781 à 0800
Date de réception : **2009-08-20**
Certificat émis le .: **2009-08-21**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | | 28429- 19 | 28429- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 0799 | 0800 |
| B23- 1 Analyse | | 2009-08-21 | 2009-08-21 |
| B23- 1 Li | | 0.165 % | 0.916 % |

Responsable :

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28430- 1 | 28430- 2 | 28430- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0801 | 0802 | 0803 |
| B23- 1 Analyse | 2009-08-21 | 2009-08-21 | 2009-08-21 |
| B23- 1 Li | 0.165 % | 0.535 % | 1.76 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28430- 4 | 28430- 5 | 28430- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0804 | 0805 | 0806 |
| B23- 1 Analyse | 2009-08-21 | 2009-08-21 | 2009-08-21 |
| B23- 1 Li | 0.232 % | 113 mg/kg | 1.08 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28430- 7 | 28430- 8 | 28430- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0807 | 0808 | 0809 |
| B23- 1 Analyse | 2009-08-21 | 2009-08-21 | 2009-08-21 |
| B23- 1 Li | 1.48 % | 1.80 % | 2.33 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28430- 10 | 28430- 11 | 28430- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0810 | 0811 | 0812 |
| B23- 1 Analyse | 2009-08-21 | 2009-08-21 | 2009-08-21 |
| B23- 1 Li | 1.38 % | 0.828 % | 0.828 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28430- 13 | 28430- 14 | 28430- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0813 | 0814 | 0815 |
| B23- 1 Analyse | 2009-08-21 | 2009-08-21 | 2009-08-21 |
| B23- 1 Li | 0.803 % | 0.744 % | 0.683 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28430- 16 | 28430- 17 | 28430- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0816 | 0817 | 0818 |
| B23- 1 Analyse | 2009-08-21 | 2009-08-21 | 2009-08-21 |
| B23- 1 Li | 1.50 % | 0.943 % | 0.701 % |

COREM

**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
0801 à 0820
Date de réception : **2009-08-20**
Certificat émis le .: **2009-08-21**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28430- 19 | 28430- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 0819 | 0820 |
| B23- 1 Analyse | | 2009-08-21 | 2009-08-21 |
| B23- 1 Li | | 0.859 % | 0.756 % |

Responsable :

Bernard Montminy,chimiste,M.Sc.
Directeur adjoint à la réalisation technique

Ce rapport contient des renseignements protégés et confidentiels à l'intention du destinataire. Les résultats ne se rapportent qu'aux échantillons soumis à l'analyse. Cette version remplace et annule toute version antérieure, le cas échéant. * Analyse faite par un sous-traitant.

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COREM

# RAPPORT D'ANALYSE version 1

Votre référence ...: **LSA-2009-17**
0821 à 0837
Date de réception : **2009-08-20**
Certificat émis le .: **2009-08-24**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28431- 1 | 28431- 2 | 28431- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0821 | 0822 | 0823 |
| B23- 1 Analyse | 2009-08-24 | 2009-08-24 | 2009-08-24 |
| B23- 1 Li | < 50.0 mg/kg | 0.263 % | 104 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28431- 4 | 28431- 5 | 28431- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0824 | 0825 | 0826 |
| B23- 1 Analyse | 2009-08-24 | 2009-08-24 | 2009-08-24 |
| B23- 1 Li | 0.412 % | 0.753 % | 0.139 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28431- 7 | 28431- 8 | 28431- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0827 | 0828 | 0829 |
| B23- 1 Analyse | 2009-08-24 | 2009-08-24 | 2009-08-24 |
| B23- 1 Li | 0.167 % | 0.713 % | 0.591 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28431- 10 | 28431- 11 | 28431- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0830 | 0831 | 0832 |
| B23- 1 Analyse | 2009-08-24 | 2009-08-24 | 2009-08-24 |
| B23- 1 Li | 1.02 % | 0.351 % | 0.379 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28431- 13 | 28431- 14 | 28431- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0833 | 0834 | 0835 |
| B23- 1 Analyse | 2009-08-24 | 2009-08-24 | 2009-08-24 |
| B23- 1 Li | 304 mg/kg | 0.442 % | 0.768 % |

| | | |
|---|---|---|
| Numéro COREM : | 28431- 16 | 28431- 17 |
| Nature : | SOLIDES | SOLIDES |
| Désignation : | 0836 | 0837 |
| B23- 1 Analyse | 2009-08-24 | 2009-08-24 |
| B23- 1 Li | 0.203 % | 0.428 % |

Responsable :

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28432- 1 | 28432- 2 | 28432- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0392 | 0393 | 0394 |
| B23- 1 Analyse | 2009-08-24 | 2009-08-24 | 2009-08-24 |
| B23- 1 Li | 0.265 % | 0.397 % | 0.320 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28432- 4 | 28432- 5 | 28432- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0395 | 0396 | 0397 |
| B23- 1 Analyse | 2009-08-24 | 2009-08-24 | 2009-08-24 |
| B23- 1 Li | 55.1 mg/kg | 113 mg/kg | 631 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28432- 7 | 28432- 8 | 28432- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0398 | 0399 | 0400 |
| B23- 1 Analyse | 2009-08-24 | 2009-08-24 | 2009-08-24 |
| B23- 1 Li | 0.118 % | 0.578 % | 0.407 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28432- 10 | 28432- 11 | 28432- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0401 | 0402 | 0403 |
| B23- 1 Analyse | 2009-08-24 | 2009-08-24 | 2009-08-24 |
| B23- 1 Li | 0.392 % | 0.487 % | 0.207 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28432- 13 | 28432- 14 | 28432- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0404 | 0405 | 0406 |
| B23- 1 Analyse | 2009-08-24 | 2009-08-24 | 2009-08-24 |
| B23- 1 Li | 410 mg/kg | 0.630 % | 0.256 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28432- 16 | 28432- 17 | 28432- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0407 | 0408 | 0409 |
| B23- 1 Analyse | 2009-08-24 | 2009-08-24 | 2009-08-24 |
| B23- 1 Li | 0.386 % | 0.285 % | 115 mg/kg |

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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
0392 à 411
Date de réception : **2009-08-20**
Certificat émis le .: **2009-08-24**

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|---|---|---|---|
| Numéro COREM | : | 28432- 19 | 28432- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 0410 | 0411 |
| B23- 1 Analyse | | 2009-08-24 | 2009-08-24 |
| B23- 1 Li | | 353 mg/kg | 0.250 % |

Responsable :

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|---|---|---|---|
| Numéro COREM : | 28433- 1 | 28433- 2 | 28433- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0412 | 0413 | 0414 |
| B23- 1 Analyse | 2009-08-24 | 2009-08-24 | 2009-08-24 |
| B23- 1 Li | 1.05 % | 0.644 % | 85.9 mg/kg |

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|---|---|---|---|
| Numéro COREM : | 28433- 4 | 28433- 5 | 28433- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0415 | 0416 | 0417 |
| B23- 1 Analyse | 2009-08-24 | 2009-08-24 | 2009-08-24 |
| B23- 1 Li | < 50.0 mg/kg | 159 mg/kg | 0.373 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28433- 7 | 28433- 8 | 28433- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0418 | 0419 | 0420 |
| B23- 1 Analyse | 2009-08-24 | 2009-08-24 | 2009-08-24 |
| B23- 1 Li | 0.320 % | 449 mg/kg | 0.230 % |

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|---|---|---|---|
| Numéro COREM : | 28433- 10 | 28433- 11 | 28433- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0421 | 0422 | 0423 |
| B23- 1 Analyse | 2009-08-24 | 2009-08-24 | 2009-08-24 |
| B23- 1 Li | 0.226 % | 0.581 % | 0.609 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28433- 13 | 28433- 14 | 28433- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0424 | 0425 | 0426 |
| B23- 1 Analyse | 2009-08-24 | 2009-08-24 | 2009-08-24 |
| B23- 1 Li | 0.590 % | 0.293 % | 0.628 % |

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|---|---|---|---|
| Numéro COREM : | 28433- 16 | 28433- 17 | 28433- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0427 | 0428 | 0429 |
| B23- 1 Analyse | 2009-08-24 | 2009-08-24 | 2009-08-24 |
| B23- 1 Li | 0.561 % | 0.295 % | 0.495 % |



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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
0412 à 0430
Date de réception : **2009-08-20**
Certificat émis le .: **2009-08-24**

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|---|---|---|
| Numéro COREM | : | 28433- 19 |
| Nature | : | SOLIDES |
| Désignation | : | 0430 |

| | | |
|---|---|---|
| B23- 1 | Analyse | 2009-08-24 |
| B23- 1 | Li | 591 mg/kg |

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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
568791 à 568800
Date de réception : **2009-08-20**
Certificat émis le .: **2009-08-24**

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|---|---|---|---|
| Numéro COREM : | 28434- 1 | 28434- 2 | 28434- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 568791 | 568792 | 568793 |
| B23- 1 Analyse | 2009-08-24 | 2009-08-24 | 2009-08-24 |
| B23- 1 Li | 0.753 % | 0.892 % | 0.648 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28434- 4 | 28434- 5 | 28434- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 568794 | 568795 | 568796 |
| B23- 1 Analyse | 2009-08-24 | 2009-08-24 | 2009-08-24 |
| B23- 1 Li | 0.806 % | 0.757 % | 0.633 % |

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|---|---|---|---|
| Numéro COREM : | 28434- 7 | 28434- 8 | 28434- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 568797 | 568798 | 568799 |
| B23- 1 Analyse | 2009-08-24 | 2009-08-24 | 2009-08-24 |
| B23- 1 Li | 0.573 % | 0.405 % | 445 mg/kg |

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|---|---|
| Numéro COREM : | 28434- 10 |
| Nature : | SOLIDES |
| Désignation : | 568800 |
| B23- 1 Analyse | 2009-08-24 |
| B23- 1 Li | 0.834 % |

Responsable :

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| | | | |
|---|---|---|---|
| Numéro COREM : | 28450- 1 | 28450- 2 | 28450- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0838 | 0839 | 0840 |
| B23- 1 Analyse | 2009-08-25 | 2009-08-25 | 2009-08-25 |
| B23- 1 Li | 0.944 % | 0.599 % | 0.676 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28450- 4 | 28450- 5 | 28450- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0841 | 0842 | 0843 |
| B23- 1 Analyse | 2009-08-25 | 2009-08-25 | 2009-08-25 |
| B23- 1 Li | 0.700 % | 1.37 % | 1.19 % |

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|---|---|---|---|
| Numéro COREM : | 28450- 7 | 28450- 8 | 28450- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0844 | 0845 | 0846 |
| B23- 1 Analyse | 2009-08-25 | 2009-08-25 | 2009-08-25 |
| B23- 1 Li | 421 mg/kg | 182 mg/kg | 276 mg/kg |

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|---|---|---|---|
| Numéro COREM : | 28450- 10 | 28450- 11 | 28450- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0847 | 0848 | 0849 |
| B23- 1 Analyse | 2009-08-25 | 2009-08-25 | 2009-08-25 |
| B23- 1 Li | 539 mg/kg | 0.755 % | 0.695 % |

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|---|---|---|---|
| Numéro COREM : | 28450- 13 | 28450- 14 | 28450- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0850 | 0851 | 0852 |
| B23- 1 Analyse | 2009-08-25 | 2009-08-25 | 2009-08-25 |
| B23- 1 Li | 0.818 % | 0.594 % | 0.785 % |

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|---|---|---|---|
| Numéro COREM : | 28450- 16 | 28450- 17 | 28450- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0853 | 0854 | 0855 |
| B23- 1 Analyse | 2009-08-25 | 2009-08-25 | 2009-08-25 |
| B23- 1 Li | 1.06 % | 0.769 % | 0.397 % |



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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
0838 à 0857
Date de réception : **2009-08-24**
Certificat émis le .: **2009-08-25**

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| | | | |
|---|---|---|---|
| Numéro COREM | : | 28450- 19 | 28450- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 0856 | 0857 |
| B23- 1 Analyse | | 2009-08-25 | 2009-08-25 |
| B23- 1 Li | | 0.422 % | 280 mg/kg |

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| | | | |
|---|---|---|---|
| Numéro COREM : | 28451- 1 | 28451- 2 | 28451- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0858 | 0859 | 0860 |
| B23- 1 Analyse | 2009-08-25 | 2009-08-25 | 2009-08-25 |
| B23- 1 Li | 0.340 % | 0.423 % | 0.556 % |

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|---|---|---|---|
| Numéro COREM : | 28451- 4 | 28451- 5 | 28451- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0861 | 0862 | 0863 |
| B23- 1 Analyse | 2009-08-25 | 2009-08-25 | 2009-08-25 |
| B23- 1 Li | 0.674 % | 1.35 % | 0.346 % |

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|---|---|---|---|
| Numéro COREM : | 28451- 7 | 28451- 8 | 28451- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0864 | 0865 | 0866 |
| B23- 1 Analyse | 2009-08-25 | 2009-08-25 | 2009-08-25 |
| B23- 1 Li | 1.33 % | < 50.0 mg/kg | 0.805 % |

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|---|---|---|---|
| Numéro COREM : | 28451- 10 | 28451- 11 | 28451- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0867 | 0868 | 0869 |
| B23- 1 Analyse | 2009-08-25 | 2009-08-25 | 2009-08-25 |
| B23- 1 Li | 0.949 % | 0.674 % | 1.27 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28451- 13 | 28451- 14 | 28451- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0870 | 0871 | 0872 |
| B23- 1 Analyse | 2009-08-25 | 2009-08-25 | 2009-08-25 |
| B23- 1 Li | 0.213 % | 0.467 % | 1.02 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28451- 16 | 28451- 17 | 28451- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0873 | 0874 | 0875 |
| B23- 1 Analyse | 2009-08-25 | 2009-08-25 | 2009-08-25 |
| B23- 1 Li | 0.936 % | 1.44 % | 0.651 % |

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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
0858 à 0877
Date de réception : **2009-08-24**
Certificat émis le .: **2009-08-25**

**James McCann**
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|---|---|---|---|
| Numéro COREM | : | 28451- 19 | 28451- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 0876 | 0877 |
| B23- 1 Analyse | | 2009-08-25 | 2009-08-25 |
| B23- 1 Li | | 0.542 % | 0.625 % |

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|---|---|---|---|
| Numéro COREM : | 28452- 1 | 28452- 2 | 28452- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0878 | 0879 | 0880 |
| B23- 1 Analyse | 2009-08-25 | 2009-08-25 | 2009-08-25 |
| B23- 1 Li | 0.758 % | 1.19 % | 0.207 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28452- 4 | 28452- 5 | 28452- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0881 | 0882 | 0883 |
| B23- 1 Analyse | 2009-08-25 | 2009-08-25 | 2009-08-25 |
| B23- 1 Li | 0.800 % | 0.834 % | 0.535 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28452- 7 | 28452- 8 | 28452- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0884 | 0885 | 0886 |
| B23- 1 Analyse | 2009-08-25 | 2009-08-25 | 2009-08-25 |
| B23- 1 Li | 1.21 % | 0.849 % | 0.861 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28452- 10 | 28452- 11 | 28452- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0887 | 0888 | 0889 |
| B23- 1 Analyse | 2009-08-25 | 2009-08-25 | 2009-08-25 |
| B23- 1 Li | 0.570 % | 1.24 % | 0.264 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28452- 13 | 28452- 14 | 28452- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0890 | 0891 | 0892 |
| B23- 1 Analyse | 2009-08-25 | 2009-08-25 | 2009-08-25 |
| B23- 1 Li | 0.550 % | 0.652 % | 0.929 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28452- 16 | 28452- 17 | 28452- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0893 | 0894 | 0895 |
| B23- 1 Analyse | 2009-08-25 | 2009-08-25 | 2009-08-25 |
| B23- 1 Li | 1.34 % | 190 mg/kg | 0.614 % |

COREM

**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
0878 à 900
Date de réception : **2009-08-24**
Certificat émis le .: **2009-08-26**

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|---|---|---|---|
| Numéro COREM : | 28452- 19 | 28452- 20 | 28452- 21 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0896 | 0897 | 0898 |
| B23- 1 Analyse | 2009-08-25 | 2009-08-25 | 2009-08-26 |
| B23- 1 Li | 174 mg/kg | 173 mg/kg | 0.419 % |

| | | |
|---|---|---|
| Numéro COREM : | 28452- 22 | 28452- 23 |
| Nature : | SOLIDES | SOLIDES |
| Désignation : | 0899 | 0900 |
| B23- 1 Analyse | 2009-08-26 | 2009-08-26 |
| B23- 1 Li | 614 mg/kg | 0.454 % |

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|---|---|---|---|
| Numéro COREM : | 28453- 1 | 28453- 2 | 28453- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1001 | 1002 | 1003 |
| B23- 1 Analyse | 2009-08-26 | 2009-08-26 | 2009-08-26 |
| B23- 1 Li | 1.02 % | < 50.0 mg/kg | 0.451 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28453- 4 | 28453- 5 | 28453- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1004 | 1005 | 1006 |
| Ä5Î┘ 1 Analyse | 2009-08-26 | 2009-08-26 | 2009-08-26 |
| B23- 1 Li | 0.691 % | 1.19 % | 0.557 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28453- 7 | 28453- 8 | 28453- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1007 | 1008 | 1009 |
| B23- 1 Analyse | 2009-08-26 | 2009-08-26 | 2009-08-26 |
| B23- 1 Li | 0.876 % | 0.949 % | 0.586 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28453- 10 | 28453- 11 | 28453- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1010 | 1011 | 1012 |
| B23- 1 Analyse | 2009-08-26 | 2009-08-26 | 2009-08-26 |
| B23- 1 Li | 0.842 % | 0.481 % | 0.638 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28453- 13 | 28453- 14 | 28453- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1013 | 1014 | 1015 |
| B23- 1 Analyse | 2009-08-26 | 2009-08-26 | 2009-08-26 |
| B23- 1 Li | 0.435 % | 264 mg/kg | 121 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28453- 16 | 28453- 17 | 28453- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1016 | 1017 | 1018 |
| B23- 1 Analyse | 2009-08-26 | 2009-08-26 | 2009-08-26 |
| B23- 1 Li | 127 mg/kg | 1.17 % | 1.07 % |

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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
1001 à 1020
Date de réception : **2009-08-24**
Certificat émis le .: **2009-08-26**

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|---|---|---|
| Numéro COREM : | 28453- 19 | 28453- 20 |
| Nature : | SOLIDES | SOLIDES |
| Désignation : | 1019 | 1020 |
| B23- 1 Analyse | 2009-08-26 | 2009-08-26 |
| B23- 1 Li | 0.836 % | 1.05 % |

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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
1021 à 1036
Date de réception : **2009-08-24**
Certificat émis le .: **2009-08-26**

**James McCann**
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|---|---|---|---|
| Numéro COREM : | 28455- 1 | 28455- 2 | 28455- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1021 | 1022 | 1023 |
| B23- 1 Analyse | 2009-08-26 | 2009-08-26 | 2009-08-26 |
| B23- 1 Li | 0.693 % | 0.792 % | 0.562 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28455- 4 | 28455- 5 | 28455- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1024 | 1025 | 1026 |
| B23- 1 Analyse | 2009-08-26 | 2009-08-26 | 2009-08-26 |
| B23- 1 Li | 0.511 % | 0.292 % | 150 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28455- 7 | 28455- 8 | 28455- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1027 | 1028 | 1029 |
| B23- 1 Analyse | 2009-08-26 | 2009-08-26 | 2009-08-26 |
| B23- 1 Li | 74.0 mg/kg | < 50.0 mg/kg | 0.146 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28455- 10 | 28455- 11 | 28455- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1030 | 1031 | 1032 |
| B23- 1 Analyse | 2009-08-26 | 2009-08-26 | 2009-08-26 |
| B23- 1 Li | 460 mg/kg | 496 mg/kg | 0.562 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28455- 13 | 28455- 14 | 28455- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1033 | 1034 | 1035 |
| B23- 1 Analyse | 2009-08-26 | 2009-08-26 | 2009-08-26 |
| B23- 1 Li | 55.0 mg/kg | 58.8 mg/kg | 0.222 % |

| | |
|---|---|
| Numéro COREM : | 28455- 16 |
| Nature : | SOLIDES |
| Désignation : | 1036 |
| B23- 1 Analyse | 2009-08-26 |
| B23- 1 Li | 0.852 % |

Responsable :

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28461- 1 | 28461- 2 | 28461- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0431 | 0432 | 0433 |
| B23- 1 Analyse | 2009-08-26 | 2009-08-26 | 2009-08-26 |
| B23- 1 Li | 0.126 % | 441 mg/kg | 816 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28461- 4 | 28461- 5 | 28461- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0434 | 0435 | 0436 |
| B23- 1 Analyse | 2009-08-26 | 2009-08-26 | 2009-08-26 |
| B23- 1 Li | 0.132 % | 495 mg/kg | 0.641 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28461- 7 | 28461- 8 | 28461- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0437 | 0438 | 0439 |
| B23- 1 Analyse | 2009-08-26 | 2009-08-26 | 2009-08-26 |
| B23- 1 Li | 0.256 % | 111 mg/kg | 288 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28461- 10 | 28461- 11 | 28461- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0440 | 0441 | 0442 |
| B23- 1 Analyse | 2009-08-26 | 2009-08-26 | 2009-08-26 |
| B23- 1 Li | 228 mg/kg | 0.703 % | 0.454 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28461- 13 | 28461- 14 | 28461- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0443 | 0444 | 0445 |
| B23- 1 Analyse | 2009-08-26 | 2009-08-26 | 2009-08-26 |
| B23- 1 Li | 0.479 % | 0.181 % | 0.684 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28461- 16 | 28461- 17 | 28461- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0446 | 0447 | 0448 |
| B23- 1 Analyse | 2009-08-26 | 2009-08-26 | 2009-08-26 |
| B23- 1 Li | 0.303 % | 1.18 % | 0.375 % |

COREM

# RAPPORT D'ANALYSE version 1

Votre référence ...: **LSA-2009-17**
0431 à 0450
Date de réception : **2009-08-25**
Certificat émis le .: **2009-08-26**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28461- 19 | 28461- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 0449 | 0450 |
| B23- 1 Analyse | | 2009-08-26 | 2009-08-26 |
| B23- 1 Li | | 0.421 % | 428 mg/kg |

Responsable :

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28462- 1 | 28462- 2 | 28462- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0451 | 0452 | 0453 |
| B23- 1 Analyse | 2009-08-26 | 2009-08-26 | 2009-08-26 |
| B23- 1 Li | 215 mg/kg | 216 mg/kg | 175 mg/kg |

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|---|---|---|---|
| Numéro COREM : | 28462- 4 | 28462- 5 | 28462- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0454 | 0455 | 0456 |
| B23- 1 Analyse | 2009-08-26 | 2009-08-26 | 2009-08-26 |
| B23- 1 Li | 234 mg/kg | 0.114 % | < 50.0 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28462- 7 | 28462- 8 | 28462- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0457 | 0458 | 0459 |
| B23- 1 Analyse | 2009-08-26 | 2009-08-26 | 2009-08-26 |
| B23- 1 Li | 0.574 % | 0.456 % | 0.641 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28462- 10 | 28462- 11 | 28462- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0460 | 0461 | 0462 |
| B23- 1 Analyse | 2009-08-26 | 2009-08-26 | 2009-08-26 |
| B23- 1 Li | 0.536 % | 0.444 % | 0.308 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28462- 13 | 28462- 14 | 28462- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0463 | 0464 | 0465 |
| B23- 1 Analyse | 2009-08-26 | 2009-08-26 | 2009-08-26 |
| B23- 1 Li | 0.404 % | 0.282 % | 0.749 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28462- 16 | 28462- 17 | 28462- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0466 | 0467 | 0468 |
| B23- 1 Analyse | 2009-08-26 | 2009-08-26 | 2009-08-26 |
| B23- 1 Li | 0.709 % | 0.603 % | 0.514 % |

COREM

**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
0451 à 0470
Date de réception : **2009-08-25**
Certificat émis le .: **2009-08-26**

**James McCann**
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| | | | |
|---|---|---|---|
| Numéro COREM | : | 28462- 19 | 28462- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 0469 | 0470 |
| B23- 1 Analyse | | 2009-08-26 | 2009-08-26 |
| B23- 1 Li | | 0.550 % | 0.701 % |

Responsable :

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**James McCann**
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| | | | |
|---|---|---|---|
| Numéro COREM : | 28463- 1 | 28463- 2 | 28463- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0471 | 0472 | 0473 |
| B23- 1 Analyse | 2009-08-27 | 2009-08-27 | 2009-08-27 |
| B23- 1 Li | 1.05 % | 0.687 % | 0.546 % |

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|---|---|---|---|
| Numéro COREM : | 28463- 4 | 28463- 5 | 28463- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0474 | 0475 | 0476 |
| B23- 1 Analyse | 2009-08-27 | 2009-08-27 | 2009-08-27 |
| B23- 1 Li | 0.821 % | 0.593 % | 0.724 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28463- 7 | 28463- 8 | 28463- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0477 | 0478 | 0479 |
| B23- 1 Analyse | 2009-08-27 | 2009-08-27 | 2009-08-27 |
| B23- 1 Li | 0.663 % | 0.815 % | 0.725 % |

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|---|---|---|---|
| Numéro COREM : | 28463- 10 | 28463- 11 | 28463- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0480 | 0481 | 0482 |
| B23- 1 Analyse | 2009-08-27 | 2009-08-27 | 2009-08-27 |
| B23- 1 Li | 1.17 % | 1.14 % | 0.740 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28463- 13 | 28463- 14 | 28463- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0483 | 0484 | 0485 |
| B23- 1 Analyse | 2009-08-27 | 2009-08-27 | 2009-08-27 |
| B23- 1 Li | 0.310 % | 0.638 % | 550 mg/kg |

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|---|---|---|---|
| Numéro COREM : | 28463- 16 | 28463- 17 | 28463- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0486 | 0487 | 0488 |
| B23- 1 Analyse | 2009-08-27 | 2009-08-27 | 2009-08-27 |
| B23- 1 Li | 0.526 % | 0.622 % | 0.474 % |



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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
0471 à 0500
Date de réception : **2009-08-25**
Certificat émis le .: **2009-08-27**

**James McCann**
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| | | | |
|---|---|---|---|
| Numéro COREM : | 28463- 19 | 28463- 20 | 28463- 21 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0489 | 0490 | 0491 |
| B23- 1 Analyse | 2009-08-27 | 2009-08-27 | 2009-08-27 |
| B23- 1 Li | 0.413 % | 374 mg/kg | < 50.0 mg/kg |

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|---|---|---|---|
| Numéro COREM : | 28463- 22 | 28463- 23 | 28463- 24 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0492 | 0493 | 0494 |
| B23- 1 Analyse | 2009-08-27 | 2009-08-27 | 2009-08-27 |
| B23- 1 Li | 0.402 % | 0.911 % | 0.258 % |

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|---|---|---|---|
| Numéro COREM : | 28463- 25 | 28463- 26 | 28463- 27 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0495 | 0496 | 0497 |
| B23- 1 Analyse | 2009-08-27 | 2009-08-27 | 2009-08-27 |
| B23- 1 Li | 1.29 % | 0.719 % | 0.324 % |

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|---|---|---|
| Numéro COREM : | 28463- 28 | 28463- 29 |
| Nature : | SOLIDES | SOLIDES |
| Désignation : | 0498 | 0499 +0500 |
| B23- 1 Analyse | 2009-08-27 | 2009-08-27 |
| B23- 1 Li | 122 mg/kg | 455 mg/kg |

Responsable :

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28464- 1 | 28464- 2 | 28464- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1037 | 1038 | 1039 |
| B23- 1 Analyse | 2009-08-27 | 2009-08-27 | 2009-08-27 |
| B23- 1 Li | 0.438 % | 0.722 % | 0.398 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28464- 4 | 28464- 5 | 28464- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1040 | 1041 | 1042 |
| B23- 1 Analyse | 2009-08-27 | 2009-08-27 | 2009-08-27 |
| B23- 1 Li | 0.577 % | 0.690 % | 0.771 % |

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|---|---|---|---|
| Numéro COREM : | 28464- 7 | 28464- 8 | 28464- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1043 | 1044 | 1045 |
| B23- 1 Analyse | 2009-08-27 | 2009-08-27 | 2009-08-27 |
| B23- 1 Li | < 50.0 mg/kg | 0.665 % | 0.910 % |

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|---|---|---|---|
| Numéro COREM : | 28464- 10 | 28464- 11 | 28464- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1046 | 1047 | 1048 |
| B23- 1 Analyse | 2009-08-27 | 2009-08-27 | 2009-08-27 |
| B23- 1 Li | 0.795 % | 0.761 % | 0.368 % |

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|---|---|---|---|
| Numéro COREM : | 28464- 13 | 28464- 14 | 28464- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1049 | 1050 | 1051 |
| B23- 1 Analyse | 2009-08-27 | 2009-08-27 | 2009-08-27 |
| B23- 1 Li | 79.6 mg/kg | 0.677 % | 0.931 % |

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|---|---|---|---|
| Numéro COREM : | 28464- 16 | 28464- 17 | 28464- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1052 | 1053 | 1054 |
| B23- 1 Analyse | 2009-08-27 | 2009-08-27 | 2009-08-27 |
| B23- 1 Li | 83.1 mg/kg | 0.265 % | 238 mg/kg |

COREM

**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
1037 à 1056
Date de réception : **2009-08-25**
Certificat émis le .: **2009-08-27**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28464- 19 | 28464- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 1055 | 1056 |
| B23- 1 Analyse | | 2009-08-27 | 2009-08-27 |
| B23- 1 Li | | 476 mg/kg | 73.9 mg/kg |

Responsable :

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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
1057 à 1070
Date de réception : **2009-08-25**
Certificat émis le .: **2009-08-27**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28465- 1 | 28465- 2 | 28465- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1057 | 1058 | 1059 |
| B23- 1 Analyse | 2009-08-27 | 2009-08-27 | 2009-08-27 |
| B23- 1 Li | 453 mg/kg | 0.557 % | 0.609 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28465- 4 | 28465- 5 | 28465- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1060 | 1061 | 1062 |
| B23- 1 Analyse | 2009-08-27 | 2009-08-27 | 2009-08-27 |
| B23- 1 Li | 0.196 % | 0.193 % | 0.890 % |

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|---|---|---|---|
| Numéro COREM : | 28465- 7 | 28465- 8 | 28465- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1063 | 1064 | 1065 |
| B23- 1 Analyse | 2009-08-27 | 2009-08-27 | 2009-08-27 |
| B23- 1 Li | 0.750 % | 0.337 % | 0.559 % |

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|---|---|---|---|
| Numéro COREM : | 28465- 10 | 28465- 11 | 28465- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1066 | 1067 | 1068 |
| B23- 1 Analyse | 2009-08-27 | 2009-08-27 | 2009-08-27 |
| B23- 1 Li | 239 mg/kg | 958 mg/kg | 0.170 % |

| | | |
|---|---|---|
| Numéro COREM : | 28465- 13 | 28465- 14 |
| Nature : | SOLIDES | SOLIDES |
| Désignation : | 1069 | 1070 |
| B23- 1 Analyse | 2009-08-27 | 2009-08-27 |
| B23- 1 Li | 0.425 % | 0.783 % |

Responsable :

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28473- 1 | 28473- 2 | 28473- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0901 | 0902 | 0903 |
| B23- 1 Analyse | 2009-08-27 | 2009-08-27 | 2009-08-27 |
| B23- 1 Li | 0.763 % | 0.891 % | 0.311 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28473- 4 | 28473- 5 | 28473- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0904 | 0905 | 0906 |
| B23- 1 Analyse | 2009-08-27 | 2009-08-27 | 2009-08-27 |
| B23- 1 Li | 0.892 % | 0.639 % | 1.22 % |

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|---|---|---|---|
| Numéro COREM : | 28473- 7 | 28473- 8 | 28473- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0907 | 0908 | 0909 |
| B23- 1 Analyse | 2009-08-27 | 2009-08-27 | 2009-08-27 |
| B23- 1 Li | 0.812 % | 0.736 % | 0.745 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28473- 10 | 28473- 11 | 28473- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0910 | 0911 | 0912 |
| B23- 1 Analyse | 2009-08-27 | 2009-08-27 | 2009-08-27 |
| B23- 1 Li | 1.28 % | 0.930 % | 0.449 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28473- 13 | 28473- 14 | 28473- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0913 | 0914 | 0915 |
| B23- 1 Analyse | 2009-08-27 | 2009-08-27 | 2009-08-27 |
| B23- 1 Li | 0.753 % | 0.367 % | 0.616 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28473- 16 | 28473- 17 | 28473- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0916 | 0917 | 0918 |
| B23- 1 Analyse | 2009-08-27 | 2009-08-27 | 2009-08-27 |
| B23- 1 Li | 1.29 % | 0.470 % | 0.437 % |

COREM

# RAPPORT D´ANALYSE version 1

Votre référence ...: **LSA-2009-17**
0901 à 0920
Date de réception : **2009-08-26**
Certificat émis le .: **2009-08-27**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | | 28473- 19 | 28473- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 0919 | 0920 |
| B23- 1 Analyse | | 2009-08-27 | 2009-08-27 |
| B23- 1 Li | | 0.435 % | 0.801 % |

Responsable :

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28474- 1 | 28474- 2 | 28474- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0921 | 0922 | 0923 |
| B23- 1 Analyse | 2009-08-28 | 2009-08-28 | 2009-08-28 |
| B23- 1 Li | 0.325 % | 0.778 % | 0.926 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28474- 4 | 28474- 5 | 28474- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0924 | 0925 | 0926 |
| B23- 1 Analyse | 2009-08-28 | 2009-08-28 | 2009-08-28 |
| B23- 1 Li | 0.511 % | 195 mg/kg | 0.802 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28474- 7 | 28474- 8 | 28474- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0927 | 0928 | 0929 |
| B23- 1 Analyse | 2009-08-28 | 2009-08-28 | 2009-08-28 |
| B23- 1 Li | 0.825 % | 0.690 % | 0.759 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28474- 10 | 28474- 11 | 28474- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0930 | 0931 | 0932 |
| B23- 1 Analyse | 2009-08-28 | 2009-08-28 | 2009-08-28 |
| B23- 1 Li | 0.821 % | 0.965 % | 0.647 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28474- 13 | 28474- 14 | 28474- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0933 | 0934 | 0935 |
| B23- 1 Analyse | 2009-08-28 | 2009-08-28 | 2009-08-28 |
| B23- 1 Li | 0.644 % | 0.453 % | 0.556 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28474- 16 | 28474- 17 | 28474- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0936 | 0937 | 0938 |
| B23- 1 Analyse | 2009-08-28 | 2009-08-28 | 2009-08-28 |
| B23- 1 Li | 0.743 % | 0.547 % | 0.660 % |

COREM

**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
0921 à 0940
Date de réception : **2009-08-26**
Certificat émis le .: **2009-08-28**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | | 28474- 19 | 28474- 20 |
| Nature : | | SOLIDES | SOLIDES |
| Désignation : | | 0939 | 0940 |
| B23- 1 | Analyse | 2009-08-28 | 2009-08-28 |
| B23- 1 | Li | 0.977 % | 0.741 % |

Responsable :

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28475- 1 | 28475- 2 | 28475- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0961 | 0962 | 0963 |
| B23- 1 Analyse | 2009-08-28 | 2009-08-28 | 2009-08-28 |
| B23- 1 Li | 0.536 % | 0.251 % | 0.125 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28475- 4 | 28475- 5 | 28475- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0964 | 0965 | 0966 |
| B23- 1 Analyse | 2009-08-28 | 2009-08-28 | 2009-08-28 |
| B23- 1 Li | 0.990 % | 0.708 % | 0.749 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28475- 7 | 28475- 8 | 28475- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0967 | 0968 | 0969 |
| B23- 1 Analyse | 2009-08-28 | 2009-08-28 | 2009-08-28 |
| B23- 1 Li | 0.356 % | 0.996 % | 0.743 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28475- 10 | 28475- 11 | 28475- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0970 | 1501 | 1502 |
| B23- 1 Analyse | 2009-08-28 | 2009-08-28 | 2009-08-28 |
| B23- 1 Li | 0.838 % | 284 mg/kg | 565 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28475- 13 | 28475- 14 | 28475- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1503 | 1504 | 1505 |
| B23- 1 Analyse | 2009-08-28 | 2009-08-28 | 2009-08-28 |
| B23- 1 Li | 0.386 % | 0.362 % | 0.770 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28475- 16 | 28475- 17 | 28475- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1506 | 1507 | 1508 |
| B23- 1 Analyse | 2009-08-28 | 2009-08-28 | 2009-08-28 |
| B23- 1 Li | 0.472 % | 0.949 % | 0.677 % |

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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
0961 à 0970 +1501 à 1510
Date de réception : **2009-08-26**
Certificat émis le .: **2009-08-28**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28475- 19 | 28475- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 1509 | 1510 |
| B23- 1 Analyse | | 2009-08-28 | 2009-08-28 |
| B23- 1 Li | | 0.870 % | 0.725 % |

Responsable :

Bernard Montminy,chimiste,M.Sc.
Directeur adjoint à la réalisation technique

Ce rapport contient des renseignements protégés et confidentiels à l'intention du destinataire. Les résultats ne se rapportent qu'aux échantillons soumis à l'analyse. Cette version remplace et annule toute version antérieure, le cas échéant. * Analyse faite par un sous-traitant.

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28499- 1 | 28499- 2 | 28499- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0941 | 0942 | 0943 |
| B23- 1 Analyse | 2009-08-31 | 2009-08-31 | 2009-08-31 |
| B23- 1 Li | 0.851 % | 0.999 % | 0.610 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28499- 4 | 28499- 5 | 28499- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0944 | 0945 | 0946 |
| B23- 1 Analyse | 2009-08-31 | 2009-08-31 | 2009-08-31 |
| B23- 1 Li | 0.479 % | 0.707 % | 0.676 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28499- 7 | 28499- 8 | 28499- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0947 | 1071 | 1072 |
| B23- 1 Analyse | 2009-08-31 | 2009-08-31 | 2009-08-31 |
| B23- 1 Li | 0.455 % | 0.637 % | 157 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28499- 10 | 28499- 11 | 28499- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1073 | 1074 | 1075 |
| B23- 1 Analyse | 2009-08-31 | 2009-08-31 | 2009-08-31 |
| B23- 1 Li | 0.649 % | 214 mg/kg | 0.275 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28499- 13 | 28499- 14 | 28499- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1076 | 1077 | 1078 |
| B23- 1 Analyse | 2009-08-31 | 2009-08-31 | 2009-08-31 |
| B23- 1 Li | 0.716 % | 0.284 % | 0.558 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28499- 16 | 28499- 17 | 28499- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1079 | 1080 | 1081 |
| B23- 1 Analyse | 2009-08-31 | 2009-08-31 | 2009-08-31 |
| B23- 1 Li | 0.783 % | 0.982 % | 0.807 % |

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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
0941 à 0947 +1071 à 1083
Date de réception : **2009-08-28**
Certificat émis le .: **2009-08-31**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28499- 19 | 28499- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 1082 | 1083 |
| B23- 1 Analyse | | 2009-08-31 | 2009-08-31 |
| B23- 1 Li | | 0.908 % | 0.562 % |

Responsable :

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28500- 1 | 28500- 2 | 28500- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1084 | 1085 | 1086 |
| B23- 1 Analyse | 2009-08-31 | 2009-08-31 | 2009-08-31 |
| B23- 1 Li | < 50.0 mg/kg | 0.929 % | 0.672 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28500- 4 | 28500- 5 | 28500- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1087 | 1088 | 1089 |
| B23- 1 Analyse | 2009-08-31 | 2009-08-31 | 2009-08-31 |
| B23- 1 Li | 0.299 % | 583 mg/kg | 0.861 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28500- 7 | 28500- 8 | 28500- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1090 | 1091 | 1092 |
| B23- 1 Analyse | 2009-08-31 | 2009-08-31 | 2009-08-31 |
| B23- 1 Li | 0.800 % | 0.910 % | 0.450 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28500- 10 | 28500- 11 | 28500- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1093 | 1094 | 1095 |
| B23- 1 Analyse | 2009-08-31 | 2009-08-31 | 2009-08-31 |
| B23- 1 Li | 0.569 % | 0.378 % | 0.988 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28500- 13 | 28500- 14 | 28500- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1096 | 1097 | 1098 |
| B23- 1 Analyse | 2009-08-31 | 2009-08-31 | 2009-08-31 |
| B23- 1 Li | 0.646 % | 0.902 % | 0.831 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28500- 16 | 28500- 17 | 28500- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1099 | 1100 | 1101 |
| B23- 1 Analyse | 2009-08-31 | 2009-08-31 | 2009-08-31 |
| B23- 1 Li | 0.765 % | 0.310 % | 0.890 % |

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# RAPPORT D´ANALYSE version 1

Votre référence ...: **LSA-2009-17**
1084 à 1103
Date de réception : **2009-08-28**
Certificat émis le .: **2009-08-31**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | | 28500- 19 | 28500- 20 |
| Nature : | | SOLIDES | SOLIDES |
| Désignation : | | 1102 | 1103 |
| B23- 1 | Analyse | 2009-08-31 | 2009-08-31 |
| B23- 1 | Li | 0.759 % | 0.661 % |

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28501- 1 | 28501- 2 | 28501- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1104 | 1105 | 1106 |
| B23- 1 Analyse | 2009-09-01 | 2009-09-01 | 2009-09-01 |
| B23- 1 Li | 0.896 % | 0.597 % | 0.915 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28501- 4 | 28501- 5 | 28501- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1107 | 1108 | 1109 |
| B23- 1 Analyse | 2009-09-01 | 2009-09-01 | 2009-09-01 |
| B23- 1 Li | 0.382 % | 0.650 % | 0.682 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28501- 7 | 28501- 8 | 28501- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1110 | 1111 | 1112 |
| B23- 1 Analyse | 2009-09-01 | 2009-09-01 | 2009-09-01 |
| B23- 1 Li | 0.938 % | 0.891 % | 0.909 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28501- 10 | 28501- 11 | 28501- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1113 | 1114 | 1115 |
| B23- 1 Analyse | 2009-09-01 | 2009-09-01 | 2009-09-01 |
| B23- 1 Li | 0.453 % | 0.622 % | 0.344 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28501- 13 | 28501- 14 | 28501- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1116 | 1117 | 1118 |
| B23- 1 Analyse | 2009-09-01 | 2009-09-01 | 2009-09-01 |
| B23- 1 Li | 0.694 % | 0.699 % | 1.09 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28501- 16 | 28501- 17 | 28501- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1119 | 1120 | 1121 |
| B23- 1 Analyse | 2009-09-01 | 2009-09-01 | 2009-09-01 |
| B23- 1 Li | 0.368 % | 0.961 % | 0.493 % |

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| | | | |
|---|---|---|---|
| Numéro COREM : | 28501- 19 | 28501- 20 | 28501- 21 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1122 | 1123 | 1124 |
| B23- 1 Analyse | 2009-09-01 | 2009-09-01 | 2009-09-01 |
| B23- 1 Li | 0.502 % | 0.847 % | 0.544 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28501- 22 | 28501- 23 | 28501- 24 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1125 | 1126 | 1127 |
| B23- 1 Analyse | 2009-09-01 | 2009-09-01 | 2009-09-01 |
| B23- 1 Li | < 50.0 mg/kg | 0.745 % | 0.673 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28501- 25 | 28501- 26 | 28501- 27 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1128 | 1129 | 1130 |
| B23- 1 Analyse | 2009-09-01 | 2009-09-01 | 2009-09-01 |
| B23- 1 Li | 1.28 % | 1.06 % | 0.811 % |

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28506- 1 | 28506- 2 | 28506- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1131 | 1132 | 1133 |
| B23- 1 Analyse | 2009-09-03 | 2009-09-03 | 2009-09-03 |
| B23- 1 Li | 0.956 % | 1.05 % | 0.626 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28506- 4 | 28506- 5 | 28506- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1134 | 1135 | 1136 |
| B23- 1 Analyse | 2009-09-03 | 2009-09-03 | 2009-09-03 |
| B23- 1 Li | 0.705 % | 0.623 % | 0.492 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28506- 7 | 28506- 8 | 28506- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1137 | 1138 | 1139 |
| B23- 1 Analyse | 2009-09-03 | 2009-09-03 | 2009-09-03 |
| B23- 1 Li | 0.514 % | 0.581 % | 0.793 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28506- 10 | 28506- 11 | 28506- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1140 | 1141 | 1142 |
| B23- 1 Analyse | 2009-09-03 | 2009-09-03 | 2009-09-03 |
| B23- 1 Li | 0.755 % | 0.725 % | 0.690 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28506- 13 | 28506- 14 | 28506- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1143 | 1144 | 1145 |
| B23- 1 Analyse | 2009-09-03 | 2009-09-03 | 2009-09-03 |
| B23- 1 Li | 0.792 % | 0.859 % | 0.501 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28506- 16 | 28506- 17 | 28506- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1148 | 1151 | 1152 |
| B23- 1 Analyse | 2009-09-03 | 2009-09-03 | 2009-09-03 |
| B23- 1 Li | 71.9 mg/kg | 0.543 % | 0.779 % |

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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
1131 à 1145 + 1148 et de
Date de réception : **2009-09-02**
Certificat émis le .: **2009-09-03**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28506- 19 | 28506- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 1153 | 1154 |
| B23- 1 Analyse | | 2009-09-03 | 2009-09-03 |
| B23- 1 Li | | 0.573 % | 0.669 % |

Responsable :

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28507- 1 | 28507- 2 | 28507- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1155 | 1156 | 1157 |
| B23- 1 Analyse | 2009-09-03 | 2009-09-03 | 2009-09-03 |
| B23- 1 Li | 0.386 % | 0.772 % | 0.813 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28507- 4 | 28507- 5 | 28507- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1158 | 1159 | 1160 |
| B23- 1 Analyse | 2009-09-03 | 2009-09-03 | 2009-09-03 |
| B23- 1 Li | 0.818 % | 0.677 % | 0.689 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28507- 7 | 28507- 8 | 28507- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1161 | 1162 | 1163 |
| B23- 1 Analyse | 2009-09-03 | 2009-09-03 | 2009-09-03 |
| B23- 1 Li | 0.954 % | 0.845 % | 0.786 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28507- 10 | 28507- 11 | 28507- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1164 | 1165 | 1166 |
| B23- 1 Analyse | 2009-09-03 | 2009-09-03 | 2009-09-03 |
| B23- 1 Li | 0.803 % | 0.804 % | < 50.0 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28507- 13 | 28507- 14 | 28507- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1167 | 1168 | 1169 |
| B23- 1 Analyse | 2009-09-03 | 2009-09-03 | 2009-09-03 |
| B23- 1 Li | 0.669 % | 0.675 % | 0.872 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28507- 16 | 28507- 17 | 28507- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1170 | 1171 | 1172 |
| B23- 1 Analyse | 2009-09-03 | 2009-09-03 | 2009-09-03 |
| B23- 1 Li | 0.634 % | 0.579 % | 0.739 % |



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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
1154 à 1173
Date de réception : **2009-09-02**
Certificat émis le .: **2009-09-03**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28507- 19 | 28507- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 1173 | 1174 |
| B23- 1 Analyse | | 2009-09-03 | 2009-09-03 |
| B23- 1 Li | | 0.928 % | 0.763 % |

Responsable :

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28508- 1 | 28508- 2 | 28508- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1175 | 1176 | 1177 |
| B23- 1 Analyse | 2009-09-03 | 2009-09-03 | 2009-09-03 |
| B23- 1 Li | 0.827 % | 0.367 % | 0.737 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28508- 4 | 28508- 5 | 28508- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1178 | 1179 | 1180 |
| B23- 1 Analyse | 2009-09-03 | 2009-09-03 | 2009-09-03 |
| B23- 1 Li | 0.282 % | 0.344 % | 117 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28508- 7 | 28508- 8 | 28508- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1181 | 1182 | 1183 |
| B23- 1 Analyse | 2009-09-03 | 2009-09-03 | 2009-09-03 |
| B23- 1 Li | 0.399 % | 0.788 % | 1.09 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28508- 10 | 28508- 11 | 28508- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1184 | 1185 | 1186 |
| B23- 1 Analyse | 2009-09-03 | 2009-09-03 | 2009-09-03 |
| B23- 1 Li | 0.463 % | 0.196 % | 0.544 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28508- 13 | 28508- 14 | 28508- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1187 | 1188 | 1189 |
| B23- 1 Analyse | 2009-09-03 | 2009-09-03 | 2009-09-03 |
| B23- 1 Li | 0.777 % | 0.724 % | 0.764 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28508- 16 | 28508- 17 | 28508- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1190 | 1191 | 1192 |
| B23- 1 Analyse | 2009-09-03 | 2009-09-03 | 2009-09-03 |
| B23- 1 Li | 0.488 % | 0.285 % | 0.832 % |



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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
1174 à 1193
Date de réception : **2009-09-02**
Certificat émis le .: **2009-09-03**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28508- 19 | 28508- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 1193 | 1194 |
| B23- 1 Analyse | | 2009-09-03 | 2009-09-03 |
| B23- 1 Li | | 0.646 % | 0.823 % |

Responsable :

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28509- 1 | 28509- 2 | 28509- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1195 | 1196 | 1197 |
| B23- 1 Analyse | 2009-09-03 | 2009-09-03 | 2009-09-03 |
| B23- 1 Li | 0.722 % | 0.618 % | 0.191 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28509- 4 | 28509- 5 | 28509- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1198 | 1199 | 1200 |
| B23- 1 Analyse | 2009-09-03 | 2009-09-03 | 2009-09-03 |
| B23- 1 Li | 0.424 % | 0.737 % | 0.513 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28509- 7 | 28509- 8 | 28509- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1201 | 1202 | 1203 |
| B23- 1 Analyse | 2009-09-03 | 2009-09-03 | 2009-09-03 |
| B23- 1 Li | 0.436 % | 0.539 % | 0.615 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28509- 10 | 28509- 11 | 28509- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1204 | 1205 | 1206 |
| B23- 1 Analyse | 2009-09-03 | 2009-09-03 | 2009-09-03 |
| B23- 1 Li | 0.780 % | 0.753 % | 0.628 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28509- 13 | 28509- 14 | 28509- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1207 | 1208 | 1209 |
| B23- 1 Analyse | 2009-09-03 | 2009-09-03 | 2009-09-03 |
| B23- 1 Li | < 50.0 mg/kg | 1.02 % | 0.875 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28509- 16 | 28509- 17 | 28509- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1210 | 1211 | 1212 |
| B23- 1 Analyse | 2009-09-03 | 2009-09-03 | 2009-09-03 |
| B23- 1 Li | 0.595 % | 0.680 % | 0.527 % |

COREM

**RAPPORT D´ANALYSE version 1**

Votre référence ....: **LSA-2009-17**
1194 à 1220
Date de réception : **2009-09-02**
Certificat émis le .: **2009-09-04**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28509- 19 | 28509- 20 | 28509- 21 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1213 | 1214 | 1215 |
| B23- 1 Analyse | 2009-09-03 | 2009-09-03 | 2009-09-04 |
| B23- 1 Li | 0.821 % | 0.995 % | 0.532 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28509- 22 | 28509- 23 | 28509- 24 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1216 | 1217 | 1218 |
| B23- 1 Analyse | 2009-09-04 | 2009-09-04 | 2009-09-04 |
| B23- 1 Li | 0.387 % | 0.391 % | 0.212 % |

| | | |
|---|---|---|
| Numéro COREM : | 28509- 25 | 28509- 26 |
| Nature : | SOLIDES | SOLIDES |
| Désignation : | 1219 | 1220 |
| B23- 1 Analyse | 2009-09-04 | 2009-09-04 |
| B23- 1 Li | 0.966 % | 0.656 % |

Responsable :

Bernard Montminy,chimiste,M.Sc.
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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
1511 à 1525
Date de réception : **2009-09-02**
Certificat émis le .: **2009-09-04**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28534- 1 | 28534- 2 | 28534- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1511 | 1512 | 1513 |
| B23- 1 Analyse | 2009-09-04 | 2009-09-04 | 2009-09-04 |
| B23- 1 Li | 0.653 % | 0.854 % | 0.754 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28534- 4 | 28534- 5 | 28534- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1514 | 1515 | 1516 |
| B23- 1 Analyse | 2009-09-04 | 2009-09-04 | 2009-09-04 |
| B23- 1 Li | 455 mg/kg | 0.429 % | 1.08 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28534- 7 | 28534- 8 | 28534- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1517 | 1518 | 1519 |
| B23- 1 Analyse | 2009-09-04 | 2009-09-04 | 2009-09-04 |
| B23- 1 Li | 0.757 % | 0.747 % | 1.03 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28534- 10 | 28534- 11 | 28534- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1520 | 1521 | 1522 |
| B23- 1 Analyse | 2009-09-04 | 2009-09-04 | 2009-09-04 |
| B23- 1 Li | 0.663 % | 0.616 % | 0.416 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28534- 13 | 28534- 14 | 28534- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1523 | 1524 | 1525 |
| B23- 1 Analyse | 2009-09-04 | 2009-09-04 | 2009-09-04 |
| B23- 1 Li | 0.389 % | 0.201 % | 597 mg/kg |

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28535- 1 | 28535- 2 | 28535- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1530 | 1531 | 1532 |
| B23- 1 Analyse | 2009-09-04 | 2009-09-04 | 2009-09-04 |
| B23- 1 Li | 0.522 % | 0.728 % | 0.805 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28535- 4 | 28535- 5 | 28535- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1533 | 1534 | 1535 |
| B23- 1 Analyse | 2009-09-04 | 2009-09-04 | 2009-09-04 |
| B23- 1 Li | 0.557 % | < 50.0 mg/kg | 0.125 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28535- 7 | 28535- 8 | 28535- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1536 | 1537 | 1538 |
| B23- 1 Analyse | 2009-09-04 | 2009-09-04 | 2009-09-04 |
| B23- 1 Li | 0.641 % | 0.319 % | 193 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28535- 10 | 28535- 11 | 28535- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1539 | 1540 | 1541 |
| B23- 1 Analyse | 2009-09-04 | 2009-09-04 | 2009-09-04 |
| B23- 1 Li | 136 mg/kg | 182 mg/kg | 147 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28535- 13 | 28535- 14 | 28535- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1542 | 1543 | 1544 |
| B23- 1 Analyse | 2009-09-04 | 2009-09-04 | 2009-09-04 |
| B23- 1 Li | 61.6 mg/kg | 106 mg/kg | 0.592 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28535- 16 | 28535- 17 | 28535- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1545 | 1546 | 1547 |
| B23- 1 Analyse | 2009-09-04 | 2009-09-04 | 2009-09-04 |
| B23- 1 Li | 1.53 % | 0.697 % | 192 mg/kg |

COREM

**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
1530 à 1549
Date de réception : **2009-09-02**
Certificat émis le .: **2009-09-04**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28535- 19 | 28535- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 1548 | 1549 |
| B23- 1 Analyse | | 2009-09-04 | 2009-09-04 |
| B23- 1 Li | | 0.325 % | 0.844 % |

Responsable :

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28536- 1 | 28536- 2 | 28536- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1550 | 1551 | 1552 |
| B23- 1 Analyse | 2009-09-04 | 2009-09-04 | 2009-09-04 |
| B23- 1 Li | 0.478 % | 0.896 % | 0.883 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28536- 4 | 28536- 5 | 28536- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1553 | 1554 | 1555 |
| B23- 1 Analyse | 2009-09-04 | 2009-09-04 | 2009-09-04 |
| B23- 1 Li | 0.633 % | 0.656 % | 0.442 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28536- 7 | 28536- 8 | 28536- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1556 | 1557 | 1558 |
| B23- 1 Analyse | 2009-09-04 | 2009-09-04 | 2009-09-04 |
| B23- 1 Li | 0.681 % | 0.454 % | 0.685 % |

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|---|---|---|---|
| Numéro COREM : | 28536- 10 | 28536- 11 | 28536- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1559 | 1560 | 1561 |
| B23- 1 Analyse | 2009-09-04 | 2009-09-04 | 2009-09-04 |
| B23- 1 Li | 0.999 % | 0.955 % | 0.951 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28536- 13 | 28536- 14 | 28536- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1562 | 1563 | 1564 |
| B23- 1 Analyse | 2009-09-04 | 2009-09-04 | 2009-09-04 |
| B23- 1 Li | 858 mg/kg | 360 mg/kg | 0.643 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28536- 16 | 28536- 17 | 28536- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1565 | 1566 | 1567 |
| B23- 1 Analyse | 2009-09-04 | 2009-09-04 | 2009-09-04 |
| B23- 1 Li | 0.905 % | 0.610 % | 0.332 % |

COREM

**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
1550 à 1570
Date de réception : **2009-09-02**
Certificat émis le .: **2009-09-04**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28536- 19 | 28536- 20 | 28536- 21 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1568 | 1569 | 1570 |
| B23- 1 Analyse | 2009-09-04 | 2009-09-04 | 2009-09-04 |
| B23- 1 Li | 0.245 % | 0.799 % | 0.731 % |

Responsable :

Bernard Montminy, chimiste, M.Sc.
Directeur adjoint à la réalisation technique

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28537- 1 | 28537- 2 | 28537- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1901 | 1902 | 1903 |
| B23- 1 Analyse | 2009-09-04 | 2009-09-04 | 2009-09-04 |
| B23- 1 Li | 0.541 % | 0.736 % | < 50.0 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28537- 4 | 28537- 5 | 28537- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1904 | 1905 | 1906 |
| B23- 1 Analyse | 2009-09-04 | 2009-09-04 | 2009-09-04 |
| B23- 1 Li | 0.725 % | 0.801 % | 1.04 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28537- 7 | 28537- 8 | 28537- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1907 | 1908 | 1909 |
| B23- 1 Analyse | 2009-09-04 | 2009-09-04 | 2009-09-04 |
| B23- 1 Li | 0.976 % | 0.786 % | 0.872 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28537- 10 | 28537- 11 | 28537- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1910 | 1911 | 1912 |
| B23- 1 Analyse | 2009-09-04 | 2009-09-04 | 2009-09-04 |
| B23- 1 Li | 0.488 % | 0.996 % | 0.629 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28537- 13 | 28537- 14 | 28537- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1913 | 1914 | 1915 |
| B23- 1 Analyse | 2009-09-04 | 2009-09-04 | 2009-09-04 |
| B23- 1 Li | 0.423 % | 0.814 % | 0.578 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28537- 16 | 28537- 17 | 28537- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1916 | 1917 | 1918 |
| B23- 1 Analyse | 2009-09-04 | 2009-09-04 | 2009-09-04 |
| B23- 1 Li | 1.07 % | 0.711 % | 0.906 % |

COREM

**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
1901 à 1920
Date de réception : **2009-09-02**
Certificat émis le .: **2009-09-04**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28537- 19 | 28537- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 1919 | 1920 |
| B23- 1 Analyse | | 2009-09-04 | 2009-09-04 |
| B23- 1 Li | | 0.540 % | 0.924 % |

Responsable :

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Directeur adjoint à la réalisation technique .

Ce rapport contient des renseignements protégés et confidentiels à l'intention du destinataire: Les résultats ne se rapportent qu'aux échantillons soumis à l'analyse. Cette version remplace et annule toute version antérieure, le cas échéant. * Analyse faite par un sous-traitant.

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28538- 1 | 28538- 2 | 28538- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1921 | 1922 | 1923 |
| B23- 1 Analyse | 2009-09-08 | 2009-09-08 | 2009-09-08 |
| B23- 1 Li | 0.896 % | 0.600 % | 1.25 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28538- 4 | 28538- 5 | 28538- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1924 | 1925 | 1926 |
| B23- 1 Analyse | 2009-09-08 | 2009-09-08 | 2009-09-08 |
| B23- 1 Li | 0.843 % | 1.06 % | 0.573 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28538- 7 | 28538- 8 | 28538- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1927 | 1928 | 1929 |
| B23- 1 Analyse | 2009-09-08 | 2009-09-08 | 2009-09-08 |
| B23- 1 Li | 0.536 % | 0.699 % | 0.515 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28538- 10 | 28538- 11 | 28538- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1930 | 1931 | 1932 |
| B23- 1 Analyse | 2009-09-08 | 2009-09-08 | 2009-09-08 |
| B23- 1 Li | 1.03 % | 1.49 % | 0.213 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28538- 13 | 28538- 14 | 28538- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1933 | 1934 | 1935 |
| B23- 1 Analyse | 2009-09-08 | 2009-09-08 | 2009-09-08 |
| B23- 1 Li | 0.619 % | 0.708 % | 0.490 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28538- 16 | 28538- 17 | 28538- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1936 | 1937 | 1938 |
| B23- 1 Analyse | 2009-09-08 | 2009-09-08 | 2009-09-08 |
| B23- 1 Li | 1.01 % | 1.25 % | 0.500 % |

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28538- 19 | 28538- 20 | 28538- 21 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1939 | 1940 | 1941 |
| B23- 1 Analyse | 2009-09-08 | 2009-09-08 | 2009-09-08 |
| B23- 1 Li | 0.781 % | 0.973 % | 0.578 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28538- 22 | 28538- 23 | 28538- 24 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1942 | 1943 | 1944 |
| B23- 1 Analyse | 2009-09-08 | 2009-09-08 | 2009-09-08 |
| B23- 1 Li | 0.758 % | 0.909 % | < 50.0 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28538- 25 | 28538- 26 | 28538- 27 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1945 | 1946 | 1947 |
| B23- 1 Analyse | 2009-09-08 | 2009-09-08 | 2009-09-08 |
| B23- 1 Li | 1.01 % | 0.390 % | 0.298 % |

Responsable :

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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
1221 à 1228
Date de réception : **2009-09-02**
Certificat émis le .: **2009-09-08**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28539- 1 | 28539- 2 | 28539- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1221 | 1222 | 1223 |
| B23- 1 Analyse | 2009-09-08 | 2009-09-08 | 2009-09-08 |
| B23- 1 Li | 0.581 % | 258 mg/kg | 148 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28539- 4 | 28539- 5 | 28539- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1224 | 1225 | 1226 |
| B23- 1 Analyse | 2009-09-08 | 2009-09-08 | 2009-09-08 |
| B23- 1 Li | 0.196 % | 0.571 % | 0.644 % |

| | | |
|---|---|---|
| Numéro COREM : | 28539- 7 | 28539- 8 |
| Nature : | SOLIDES | SOLIDES |
| Désignation : | 1227 | 1228 |
| B23- 1 Analyse | 2009-09-08 | 2009-09-08 |
| B23- 1 Li | 0.774 % | 0.905 % |

Responsable :

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28547- 1 | 28547- 2 | 28547- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1229 | 1230 | 1231 |
| B23- 1 Analyse | 2009-09-08 | 2009-09-08 | 2009-09-08 |
| B23- 1 Li | 0.728 % | 1.40 % | 0.809 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28547- 4 | 28547- 5 | 28547- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1232 | 1233 | 1234 |
| B23- 1 Analyse | 2009-09-08 | 2009-09-08 | 2009-09-08 |
| B23- 1 Li | 0.649 % | 0.661 % | 0.728 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28547- 7 | 28547- 8 | 28547- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1235 | 1236 | 1237 |
| B23- 1 Analyse | 2009-09-08 | 2009-09-08 | 2009-09-08 |
| B23- 1 Li | 0.556 % | 0.894 % | 0.659 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28547- 10 | 28547- 11 | 28547- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1238 | 1239 | 1240 |
| B23- 1 Analyse | 2009-09-08 | 2009-09-08 | 2009-09-08 |
| B23- 1 Li | 0.971 % | 0.932 % | 0.792 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28547- 13 | 28547- 14 | 28547- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1241 | 1242 | 1243 |
| B23- 1 Analyse | 2009-09-08 | 2009-09-08 | 2009-09-08 |
| B23- 1 Li | 0.912 % | 0.572 % | 0.738 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28547- 16 | 28547- 17 | 28547- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1244 | 1245 | 1246 |
| B23- 1 Analyse | 2009-09-08 | 2009-09-08 | 2009-09-08 |
| B23- 1 Li | 0.641 % | 0.736 % | 0.871 % |

COREM

# RAPPORT D'ANALYSE version 1

Votre référence ...: **LSA-2009-17**
1229 à 1248
Date de réception : **2009-09-03**
Certificat émis le .: **2009-09-08**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28547- 19 | 28547- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 1247 | 1248 |
| B23- 1 Analyse | | 2009-09-08 | 2009-09-08 |
| B23- 1 Li | | 0.901 % | < 50.0 mg/kg |

Responsable :

Bernard Montminy,chimiste,M.Sc.
Directeur adjoint à la réalisation technique

Ce rapport contient des renseignements protégés et confidentiels à l'intention du destinataire. Les résultats ne se rapportent qu'aux échantillons soumis à l'analyse. Cette version remplace et annule toute version antérieure, le cas échéant. * Analyse faite par un sous-traitant.

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Téléphone : (418) 527-8211 Télécopieur : (418) 527-4818

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28548- 1 | 28548- 2 | 28548- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1249 | 1250 | 1251 |
| B23- 1 Analyse | 2009-09-08 | 2009-09-08 | 2009-09-08 |
| B23- 1 Li | 0.868 % | 0.921 % | 0.761 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28548- 4 | 28548- 5 | 28548- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1252 | 1253 | 1254 |
| B23- 1 Analyse | 2009-09-08 | 2009-09-08 | 2009-09-08 |
| B23- 1 Li | 0.655 % | 0.810 % | 0.615 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28548- 7 | 28548- 8 | 28548- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1255 | 1256 | 1257 |
| B23- 1 Analyse | 2009-09-08 | 2009-09-08 | 2009-09-08 |
| B23- 1 Li | 0.690 % | 0.655 % | 0.804 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28548- 10 | 28548- 11 | 28548- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1258 | 1259 | 1260 |
| B23- 1 Analyse | 2009-09-08 | 2009-09-08 | 2009-09-08 |
| B23- 1 Li | 0.391 % | 0.800 % | 0.797 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28548- 13 | 28548- 14 | 28548- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1261 | 1262 | 1263 |
| B23- 1 Analyse | 2009-09-08 | 2009-09-08 | 2009-09-08 |
| B23- 1 Li | 0.840 % | 0.696 % | 0.477 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28548- 16 | 28548- 17 | 28548- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1264 | 1265 | 1266 |
| B23- 1 Analyse | 2009-09-08 | 2009-09-08 | 2009-09-08 |
| B23- 1 Li | 1.03 % | 0.697 % | 0.589 % |



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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
1249 à 1268
Date de réception : **2009-09-03**
Certificat émis le .: **2009-09-08**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28548- 19 | 28548- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 1267 | 1268 |
| B23- 1 Analyse | | 2009-09-08 | 2009-09-08 |
| B23- 1 Li | | 0.527 % | 0.847 % |

Responsable :

Bernard Montminy,chimiste,M.Sc.
Directeur adjoint à la réalisation technique

Ce rapport contient des renseignements protégés et confidentiels à l'intention du destinataire. Les résultats ne se rapportent qu'aux échantillons soumis à l'analyse. Cette version remplace et annule toute version antérieure, le cas échéant. * Analyse faite par un sous-traitant.

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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
1269 à 1286
Date de réception : **2009-09-03**
Certificat émis le .: **2009-09-09**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28549- 1 | 28549- 2 | 28549- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1269 | 1270 | 1271 |
| B23- 1 Analyse | 2009-09-09 | 2009-09-09 | 2009-09-09 |
| B23- 1 Li | 0.869 % | 0.608 % | 0.634 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28549- 4 | 28549- 5 | 28549- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1272 | 1273 | 1274 |
| B23- 1 Analyse | 2009-09-09 | 2009-09-09 | 2009-09-09 |
| B23- 1 Li | 0.418 % | 0.707 % | 0.839 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28549- 7 | 28549- 8 | 28549- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1275 | 1276 | 1277 |
| B23- 1 Analyse | 2009-09-09 | 2009-09-09 | 2009-09-09 |
| B23- 1 Li | 0.705 % | 0.837 % | 0.874 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28549- 10 | 28549- 11 | 28549- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1278 | 1279 | 1280 |
| B23- 1 Analyse | 2009-09-09 | 2009-09-09 | 2009-09-09 |
| B23- 1 Li | 0.389 % | 0.888 % | 0.824 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28549- 13 | 28549- 14 | 28549- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1281 | 1282 | 1283 |
| B23- 1 Analyse | 2009-09-09 | 2009-09-09 | 2009-09-09 |
| B23- 1 Li | 0.826 % | 0.730 % | 0.875 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28549- 16 | 28549- 17 | 28549- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1284 | 1285 | 1286 |
| B23- 1 Analyse | 2009-09-09 | 2009-09-09 | 2009-09-09 |
| B23- 1 Li | 0.685 % | 0.307 % | 0.592 % |

Responsable :

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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
1288 à 1298
Date de réception : **2009-09-03**
Certificat émis le .: **2009-09-09**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28550- 1 | 28550- 2 | 28550- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1288 | 1289 | 1290 |
| B23- 1 Analyse | 2009-09-09 | 2009-09-09 | 2009-09-09 |
| B23- 1 Li | < 50.0 mg/kg | 0.724 % | 0.932 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28550- 4 | 28550- 5 | 28550- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1291 | 1292 | 1293 |
| B23- 1 Analyse | 2009-09-09 | 2009-09-09 | 2009-09-09 |
| B23- 1 Li | 0.861 % | 0.794 % | 0.874 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28550- 7 | 28550- 8 | 28550- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1294 | 1295 | 1296 |
| B23- 1 Analyse | 2009-09-09 | 2009-09-09 | 2009-09-09 |
| B23- 1 Li | 0.900 % | 0.701 % | 0.468 % |

| | | |
|---|---|---|
| Numéro COREM : | 28550- 10 | 28550- 11 |
| Nature : | SOLIDES | SOLIDES |
| Désignation : | 1297 | 1298 |
| B23- 1 Analyse | 2009-09-09 | 2009-09-09 |
| B23- 1 Li | 0.588 % | 0.638 % |

Responsable :

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28551- 1 | 28551- 2 | 28551- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1571 | 1572 | 1573 |
| B23- 1 Analyse | 2009-09-09 | 2009-09-09 | 2009-09-09 |
| B23- 1 Li | 0.725 % | 0.614 % | 0.436 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28551- 4 | 28551- 5 | 28551- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1574 | 1575 | 1576 |
| B23- 1 Analyse | 2009-09-09 | 2009-09-09 | 2009-09-09 |
| B23- 1 Li | 0.786 % | < 50.0 mg/kg | 0.760 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28551- 7 | 28551- 8 | 28551- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1577 | 1578 | 1579 |
| B23- 1 Analyse | 2009-09-09 | 2009-09-09 | 2009-09-09 |
| B23- 1 Li | 0.551 % | 0.688 % | 0.927 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28551- 10 | 28551- 11 | 28551- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1580 | 1581 | 1582 |
| B23- 1 Analyse | 2009-09-09 | 2009-09-09 | 2009-09-09 |
| B23- 1 Li | 0.925 % | 0.487 % | 0.445 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28551- 13 | 28551- 14 | 28551- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1583 | 1584 | 1585 |
| B23- 1 Analyse | 2009-09-09 | 2009-09-09 | 2009-09-09 |
| B23- 1 Li | 680 mg/kg | 907 mg/kg | 0.368 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28551- 16 | 28551- 17 | 28551- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1586 | 1587 | 1588 |
| B23- 1 Analyse | 2009-09-09 | 2009-09-09 | 2009-09-09 |
| B23- 1 Li | 0.203 % | 0.865 % | 0.865 % |

COREM

**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
1571 à 1590 +0811 et 0812
Date de réception : **2009-09-03**
Certificat émis le .: **2009-09-10**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28551- 19 | 28551- 20 | 28551- 21 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1589 | 1590 | 0811 |
| B23- 1 Analyse | 2009-09-09 | 2009-09-09 | 2009-09-09 |
| B23- 1 Li | 0.743 % | 0.185 % | 0.215 % |

| | |
|---|---|
| Numéro COREM : | 28551- 22 |
| Nature : | SOLIDES |
| Désignation : | 0812 |
| B23- 1 Analyse | 2009-09-09 |
| B23- 1 Li | 1.08 % |

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| | | | |
|---|---|---|---|
| Numéro COREM : | 28562- 1 | 28562- 2 | 28562- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0978 | 1299 | 1300 |
| B23- 1 Analyse | 2009-09-09 | 2009-09-09 | 2009-09-09 |
| B23- 1 Li | 0.518 % | 0.723 % | 0.611 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28562- 4 | 28562- 5 | 28562- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1301 | 1302 | 1303 |
| B23- 1 Analyse | 2009-09-09 | 2009-09-09 | 2009-09-09 |
| B23- 1 Li | 0.266 % | 0.399 % | 0.751 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28562- 7 | 28562- 8 | 28562- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1304 | 1305 | 1306 |
| B23- 1 Analyse | 2009-09-09 | 2009-09-09 | 2009-09-09 |
| B23- 1 Li | 0.661 % | 0.807 % | 0.946 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28562- 10 | 28562- 11 | 28562- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1307 | 1308 | 1309 |
| B23- 1 Analyse | 2009-09-09 | 2009-09-09 | 2009-09-09 |
| B23- 1 Li | 0.915 % | 0.689 % | 0.487 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28562- 13 | 28562- 14 | 28562- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1310 | 1311 | 1312 |
| B23- 1 Analyse | 2009-09-09 | 2009-09-09 | 2009-09-09 |
| B23- 1 Li | 0.526 % | 0.394 % | 267 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28562- 16 | 28562- 17 | 28562- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1313 | 1314 | 1315 |
| B23- 1 Analyse | 2009-09-09 | 2009-09-09 | 2009-09-09 |
| B23- 1 Li | 0.114 % | 295 mg/kg | 205 mg/kg |

COREM

**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
0978- 1299 à 1317
Date de réception : **2009-09-04**
Certificat émis le .: **2009-09-09**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28562- 19 | 28562- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 1316 | 1317 |
| B23- 1 Analyse | | 2009-09-09 | 2009-09-09 |
| B23- 1 Li | | 0.144 % | 0.780 % |

Responsable :

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**James McCann**
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| | | | |
|---|---|---|---|
| Numéro COREM : | 28563- 1 | 28563- 2 | 28563- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1318 | 1319 | 1320 |
| B23- 1 Analyse | 2009-09-09 | 2009-09-09 | 2009-09-09 |
| B23- 1 Li | 0.648 % | 0.669 % | 0.763 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28563- 4 | 28563- 5 | 28563- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1321 | 1322 | 1323 |
| B23- 1 Analyse | 2009-09-09 | 2009-09-09 | 2009-09-09 |
| B23- 1 Li | 0.572 % | 0.679 % | 0.722 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28563- 7 | 28563- 8 | 28563- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1324 | 1325 | 1326 |
| B23- 1 Analyse | 2009-09-09 | 2009-09-09 | 2009-09-09 |
| B23- 1 Li | 86.3 mg/kg | 0.330 % | 0.646 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28563- 10 | 28563- 11 | 28563- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1327 | 1328 | 1329 |
| B23- 1 Analyse | 2009-09-10 | 2009-09-10 | 2009-09-10 |
| B23- 1 Li | 0.846 % | 0.872 % | < 50.0 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28563- 13 | 28563- 14 | 28563- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1330 | 1331 | 1332 |
| B23- 1 Analyse | 2009-09-10 | 2009-09-10 | 2009-09-10 |
| B23- 1 Li | 0.848 % | 1.05 % | 0.986 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28563- 16 | 28563- 17 | 28563- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1333 | 1334 | 1335 |
| B23- 1 Analyse | 2009-09-10 | 2009-09-10 | 2009-09-10 |
| B23- 1 Li | 0.735 % | 0.806 % | 0.704 % |

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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
1318 à 1337
Date de réception : **2009-09-04**
Certificat émis le .: **2009-09-10**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28563- 19 | 28563- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 1336 | 1337 |
| B23- 1 Analyse | | 2009-09-10 | 2009-09-10 |
| B23- 1 Li | | 0.802 % | 0.770 % |

Responsable :

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**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28564- 1 | 28564- 2 | 28564- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1338 | 1339 | 1340 |
| B23- 1 Analyse | 2009-09-10 | 2009-09-10 | 2009-09-10 |
| B23- 1 Li | 0.638 % | 0.394 % | 0.627 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28564- 4 | 28564- 5 | 28564- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1341 | 1342 | 1343 |
| B23- 1 Analyse | 2009-09-10 | 2009-09-10 | 2009-09-10 |
| B23- 1 Li | 0.595 % | 0.994 % | 0.795 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28564- 7 | 28564- 8 | 28564- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1344 | 1345 | 1346 |
| B23- 1 Analyse | 2009-09-10 | 2009-09-10 | 2009-09-10 |
| B23- 1 Li | 0.554 % | 0.875 % | 0.611 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28564- 10 | 28564- 11 | 28564- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1347 | 1348 | 1349 |
| B23- 1 Analyse | 2009-09-10 | 2009-09-10 | 2009-09-10 |
| B23- 1 Li | 0.847 % | 354 mg/kg | 0.423 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28564- 13 | 28564- 14 | 28564- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1350 | 1351 | 1352 |
| B23- 1 Analyse | 2009-09-10 | 2009-09-10 | 2009-09-10 |
| B23- 1 Li | 262 mg/kg | 301 mg/kg | 0.603 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28564- 16 | 28564- 17 | 28564- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1353 | 1354 | 1355 |
| B23- 1 Analyse | 2009-09-10 | 2009-09-10 | 2009-09-10 |
| B23- 1 Li | 0.865 % | 0.786 % | 0.791 % |

COREM

## RAPPORT D´ANALYSE version 1

Votre référence ...: **LSA-2009-17**
1338 à 1357
Date de réception : **2009-09-04**
Certificat émis le .: **2009-09-10**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28564- 19 | 28564- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 1356 | 1357 |
| B23- 1 Analyse | | 2009-09-10 | 2009-09-10 |
| B23- 1 Li | | 0.903 % | 0.874 % |

Responsable :

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28565- 1 | 28565- 2 | 28565- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1358 | 1359 | 1360 |
| B23- 1 Analyse | 2009-09-10 | 2009-09-10 | 2009-09-10 |
| B23- 1 Li | 0.913 % | 0.391 % | 0.903 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28565- 4 | 28565- 5 | 28565- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1591 | 1952 | 1593 |
| B23- 1 Analyse | 2009-09-10 | 2009-09-10 | 2009-09-10 |
| B23- 1 Li | 73.7 mg/kg | 89.7 mg/kg | 272 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28565- 7 | 28565- 8 | 28565- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1594 | 1595 | 1596 |
| B23- 1 Analyse | 2009-09-10 | 2009-09-10 | 2009-09-10 |
| B23- 1 Li | 200 mg/kg | 0.536 % | 0.252 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28565- 10 | 28565- 11 | 28565- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1597 | 1598 | 1599 |
| B23- 1 Analyse | 2009-09-10 | 2009-09-10 | 2009-09-10 |
| B23- 1 Li | 0.863 % | 1.52 % | 1.25 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28565- 13 | 28565- 14 | 28565- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1600 | 1601 | 1602 |
| B23- 1 Analyse | 2009-09-10 | 2009-09-10 | 2009-09-10 |
| B23- 1 Li | 0.589 % | 0.689 % | 0.796 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28565- 16 | 28565- 17 | 28565- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1603 | 1604 | 1605 |
| B23- 1 Analyse | 2009-09-10 | 2009-09-10 | 2009-09-10 |
| B23- 1 Li | 0.874 % | 0.813 % | 0.613 % |

COREM

**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
1358à 1360 - 1591 à 1610
Date de réception : **2009-09-04**
Certificat émis le .: **2009-09-10**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28565- 19 | 28565- 20 | 28565- 21 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1606 | 1607 | 1608 |
| B23- 1 Analyse | 2009-09-10 | 2009-09-10 | 2009-09-10 |
| B23- 1 Li | 0.738 % | 1.29 % | 0.728 % |

| | | |
|---|---|---|
| Numéro COREM : | 28565- 22 | 28565- 23 |
| Nature : | SOLIDES | SOLIDES |
| Désignation : | 1609 | 1610 |
| B23- 1 Analyse | 2009-09-10 | 2009-09-10 |
| B23- 1 Li | 0.709 % | 0.413 % |

Responsable :

Bernard Montminy, chimiste, M.Sc.
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Téléphone : (418) 527-8211 Télécopieur : (418) 527-4818

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28570- 1 | 28570- 2 | 28570- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1948 | 1949 | 1950 |
| B23- 1 Analyse | 2009-09-10 | 2009-09-10 | 2009-09-10 |
| B23- 1 Li | 0.321 % | 0.554 % | 0.782 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28570- 4 | 28570- 5 | 28570- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1951 | 1952 | 1953 |
| B23- 1 Analyse | 2009-09-10 | 2009-09-10 | 2009-09-10 |
| B23- 1 Li | 0.814 % | 0.656 % | 0.839 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28570- 7 | 28570- 8 | 28570- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1954 | 1955 | 1956 |
| B23- 1 Analyse | 2009-09-10 | 2009-09-10 | 2009-09-10 |
| B23- 1 Li | 0.386 % | 0.499 % | 0.847 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28570- 10 | 28570- 11 | 28570- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1957 | 1958 | 1959 |
| B23- 1 Analyse | 2009-09-10 | 2009-09-10 | 2009-09-10 |
| B23- 1 Li | 0.779 % | 0.681 % | 0.851 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28570- 13 | 28570- 14 | 28570- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1960 | 1961 | 1962 |
| B23- 1 Analyse | 2009-09-10 | 2009-09-10 | 2009-09-10 |
| B23- 1 Li | 1.01 % | 0.612 % | 0.877 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28570- 16 | 28570- 17 | 28570- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1963 | 1964 | 1965 |
| B23- 1 Analyse | 2009-09-10 | 2009-09-10 | 2009-09-10 |
| B23- 1 Li | 0.694 % | 0.797 % | 0.923 % |



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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
1948 à 1967
Date de réception : **2009-09-08**
Certificat émis le .: **2009-09-10**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28570- 19 | 28570- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 1966 | 1967 |
| B23- 1 Analyse | | 2009-09-10 | 2009-09-10 |
| B23- 1 Li | | 0.780 % | 0.570 % |

Responsable :

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28571- 1 | 28571- 2 | 28571- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1968 | 1969 | 1970 |
| B23- 1 Analyse | 2009-09-10 | 2009-09-10 | 2009-09-10 |
| B23- 1 Li | 1.04 % | 0.805 % | 0.801 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28571- 4 | 28571- 5 | 28571- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1971 | 1972 | 1973 |
| B23- 1 Analyse | 2009-09-10 | 2009-09-10 | 2009-09-10 |
| B23- 1 Li | 0.733 % | 1.23 % | 0.603 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28571- 7 | 28571- 8 | 28571- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1974 | 1975 | 1976 |
| B23- 1 Analyse | 2009-09-10 | 2009-09-10 | 2009-09-10 |
| B23- 1 Li | 0.617 % | 0.631 % | 0.747 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28571- 10 | 28571- 11 | 28571- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1977 | 1978 | 1979 |
| B23- 1 Analyse | 2009-09-10 | 2009-09-10 | 2009-09-10 |
| B23- 1 Li | 0.730 % | 0.851 % | 0.903 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28571- 13 | 28571- 14 | 28571- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1980 | 1981 | 1982 |
| B23- 1 Analyse | 2009-09-10 | 2009-09-10 | 2009-09-10 |
| B23- 1 Li | 0.569 % | 0.767 % | 0.620 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28571- 16 | 28571- 17 | 28571- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1983 | 1984 | 1985 |
| B23- 1 Analyse | 2009-09-10 | 2009-09-10 | 2009-09-10 |
| B23- 1 Li | 0.892 % | 0.780 % | < 50.0 mg/kg |

COREM

**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
1968 à 1996
Date de réception : **2009-09-08**
Certificat émis le .: **2009-09-10**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28571- 19 | 28571- 20 | 28571- 21 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1986 | 1987 | 1988 |
| B23- 1 Analyse | 2009-09-10 | 2009-09-10 | 2009-09-10 |
| B23- 1 Li | 0.360 % | 0.758 % | 0.707 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28571- 22 | 28571- 23 | 28571- 24 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1989 | 1990 | 1991 |
| B23- 1 Analyse | 2009-09-10 | 2009-09-10 | 2009-09-10 |
| B23- 1 Li | 0.888 % | 0.849 % | 0.849 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28571- 25 | 28571- 26 | 28571- 27 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1992 | 1993 | 1994 |
| B23- 1 Analyse | 2009-09-10 | 2009-09-10 | 2009-09-10 |
| B23- 1 Li | 0.805 % | 0.829 % | 0.876 % |

| | | |
|---|---|---|
| Numéro COREM : | 28571- 28 | 28571- 29 |
| Nature : | SOLIDES | SOLIDES |
| Désignation : | 1995 | 1996 |
| B23- 1 Analyse | 2009-09-10 | 2009-09-10 |
| B23- 1 Li | 0.409 % | 0.578 % |

Responsable :

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28619- 1 | 28619- 2 | 28619- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1361 | 1362 | 1363 |
| B23- 1 Analyse | 2009-09-15 | 2009-09-15 | 2009-09-15 |
| B23- 1 Li | 0.728 % | 0.801 % | 0.725 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28619- 4 | 28619- 5 | 28619- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1364 | 1365 | 1366 |
| B23- 1 Analyse | 2009-09-15 | 2009-09-15 | 2009-09-15 |
| B23- 1 Li | 0.762 % | 0.662 % | 0.785 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28619- 7 | 28619- 8 | 28619- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1367 | 1368 | 1369 |
| B23- 1 Analyse | 2009-09-15 | 2009-09-15 | 2009-09-15 |
| B23- 1 Li | 0.668 % | 0.768 % | 0.620 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28619- 10 | 28619- 11 | 28619- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1370 | 1371 | 1372 |
| B23- 1 Analyse | 2009-09-15 | 2009-09-15 | 2009-09-15 |
| B23- 1 Li | < 50.0 mg/kg | 0.855 % | 0.739 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28619- 13 | 28619- 14 | 28619- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1373 | 1374 | 1375 |
| B23- 1 Analyse | 2009-09-15 | 2009-09-15 | 2009-09-15 |
| B23- 1 Li | 0.817 % | 0.814 % | 0.884 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28619- 16 | 28619- 17 | 28619- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1376 | 1377 | 1378 |
| B23- 1 Analyse | 2009-09-15 | 2009-09-15 | 2009-09-15 |
| B23- 1 Li | 0.746 % | 0.845 % | 0.826 % |



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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
1361 à 1380
Date de réception : **2009-09-11**
Certificat émis le .: **2009-09-15**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28619- 19 | 28619- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 1379 | 1380 |
| B23- 1 Analyse | | 2009-09-15 | 2009-09-15 |
| B23- 1 Li | | 0.676 % | 0.615 % |

Responsable :

Bernard Montminy,Chimiste,M.Sc.
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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28620- 1 | 28620- 2 | 28620- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1381 | 1382 | 1383 |
| B23- 1 Analyse | 2009-09-15 | 2009-09-15 | 2009-09-15 |
| B23- 1 Li | 0.926 % | 0.783 % | 0.663 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28620- 4 | 28620- 5 | 28620- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1384 | 1385 | 1386 |
| B23- 1 Analyse | 2009-09-15 | 2009-09-15 | 2009-09-15 |
| B23- 1 Li | 0.842 % | 0.641 % | 0.694 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28620- 7 | 28620- 8 | 28620- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1387 | 1388 | 1389 |
| B23- 1 Analyse | 2009-09-15 | 2009-09-15 | 2009-09-15 |
| B23- 1 Li | 0.527 % | 0.760 % | 0.647 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28620- 10 | 28620- 11 | 28620- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1390 | 1391 | 1392 |
| B23- 1 Analyse | 2009-09-15 | 2009-09-15 | 2009-09-15 |
| B23- 1 Li | 0.712 % | 0.819 % | 0.854 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28620- 13 | 28620- 14 | 28620- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1393 | 1394 | 1395 |
| B23- 1 Analyse | 2009-09-15 | 2009-09-15 | 2009-09-15 |
| B23- 1 Li | 0.651 % | 0.896 % | 0.639 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28620- 16 | 28620- 17 | 28620- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1396 | 1397 | 1398 |
| B23- 1 Analyse | 2009-09-15 | 2009-09-15 | 2009-09-15 |
| B23- 1 Li | 0.747 % | 0.704 % | 0.725 % |

COREM

**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
1381 à 1400
Date de réception : **2009-09-11**
Certificat émis le .: **2009-09-15**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28620- 19 | 28620- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 1399 | 1400 |
| B23- 1 Analyse | | 2009-09-15 | 2009-09-15 |
| B23- 1 Li | | 155 mg/kg | 0.360 % |

Responsable :

Bernard Montminy,chimiste,M.Sc.
Directeur adjoint à la réalisation technique

Ce rapport contient des renseignements protégés et confidentiels à l'intention du destinataire. Les résultats ne se rapportent qu'aux échantillons soumis à l'analyse. Cette version remplace et annule toute version antérieure, le cas échéant. * Analyse faite par un sous-traitant.

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COREM

**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
1401 à 1410
Date de réception : **2009-09-11**
Certificat émis le .: **2009-09-15**

**James McCann**
**100563 Lithium One Inc.**

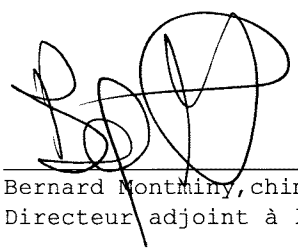
| | | | |
|---|---|---|---|
| Numéro COREM : | 28621- 1 | 28621- 2 | 28621- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1401 | 1402 | 1403 |
| B23- 1 Analyse | 2009-09-15 | 2009-09-15 | 2009-09-15 |
| B23- 1 Li | 83.9 mg/kg | 0.500 % | 0.728 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28621- 4 | 28621- 5 | 28621- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1404 | 1405 | 1406 |
| B23- 1 Analyse | 2009-09-15 | 2009-09-15 | 2009-09-15 |
| B23- 1 Li | 0.988 % | 0.847 % | 0.840 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28621- 7 | 28621- 8 | 28621- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1407 | 1408 | 1409 |
| B23- 1 Analyse | 2009-09-15 | 2009-09-15 | 2009-09-15 |
| B23- 1 Li | 0.726 % | 0.706 % | 0.596 % |

| | |
|---|---|
| Numéro COREM : | 28621- 10 |
| Nature : | SOLIDES |
| Désignation : | 1410 |
| B23- 1 Analyse | 2009-09-15 |
| B23- 1 Li | 0.858 % |

Responsable :



Bernard Montminy,chimiste,M.Sc.
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Téléphone : (418) 527-8211 Télécopieur : (418) 527-4818

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28626- 1 | 28626- 2 | 28626- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1411 | 1412 | 1413 |
| B23- 1 Analyse | 2009-09-15 | 2009-09-15 | 2009-09-15 |
| B23- 1 Li | < 50.0 mg/kg | 0.399 % | 845 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28626- 4 | 28626- 5 | 28626- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1414 | 1415 | 1416 |
| B23- 1 Analyse | 2009-09-15 | 2009-09-15 | 2009-09-15 |
| B23- 1 Li | 0.340 % | 800 mg/kg | 0.752 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28626- 7 | 28626- 8 | 28626- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1417 | 1418 | 1419 |
| B23- 1 Analyse | 2009-09-15 | 2009-09-15 | 2009-09-15 |
| B23- 1 Li | 1.04 % | 1.02 % | 0.960 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28626- 10 | 28626- 11 | 28626- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1420 | 1611 | 1612 |
| B23- 1 Analyse | 2009-09-15 | 2009-09-15 | 2009-09-15 |
| B23- 1 Li | 0.578 % | 0.505 % | 0.737 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28626- 13 | 28626- 14 | 28626- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1613 | 1614 | 1615 |
| B23- 1 Analyse | 2009-09-15 | 2009-09-15 | 2009-09-15 |
| B23- 1 Li | 0.449 % | 0.750 % | 0.791 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28626- 16 | 28626- 17 | 28626- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1616 | 1617 | 1618 |
| B23- 1 Analyse | 2009-09-15 | 2009-09-15 | 2009-09-15 |
| B23- 1 Li | < 50.0 mg/kg | 0.958 % | 0.533 % |

COREM

**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
1411 à 1420 +1611 à 1620
Date de réception : **2009-09-14**
Certificat émis le .: **2009-09-15**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28626- 19 | 28626- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 1619 | 1620 |
| B23- 1 Analyse | | 2009-09-15 | 2009-09-15 |
| B23- 1 Li | | 1.05 % | 0.769 % |

Responsable :

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Directeur adjoint à la réalisation technique



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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28627- 1 | 28627- 2 | 28627- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1621 | 1622 | 1623 |
| B23- 1 Analyse | 2009-09-15 | 2009-09-15 | 2009-09-15 |
| B23- 1 Li | 1.42 % | 1.08 % | 0.487 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28627- 4 | 28627- 5 | 28627- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1624 | 1625 | 1626 |
| B23- 1 Analyse | 2009-09-15 | 2009-09-15 | 2009-09-15 |
| B23- 1 Li | 0.268 % | 0.688 % | 0.410 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28627- 7 | 28627- 8 | 28627- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1627 | 1628 | 1629 |
| B23- 1 Analyse | 2009-09-15 | 2009-09-15 | 2009-09-15 |
| B23- 1 Li | 0.925 % | 1.18 % | 0.879 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28627- 10 | 28627- 11 | 28627- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1630 | 1631 | 1632 |
| B23- 1 Analyse | 2009-09-15 | 2009-09-15 | 2009-09-15 |
| B23- 1 Li | 0.938 % | 0.696 % | 0.600 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28627- 13 | 28627- 14 | 28627- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1633 | 1634 | 1635 |
| B23- 1 Analyse | 2009-09-15 | 2009-09-15 | 2009-09-15 |
| B23- 1 Li | 0.806 % | 1.21 % | 1.21 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28627- 16 | 28627- 17 | 28627- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1636 | 1637 | 1638 |
| B23- 1 Analyse | 2009-09-15 | 2009-09-15 | 2009-09-15 |
| B23- 1 Li | 0.831 % | 1.07 % | 0.145 % |

COREM

**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
1621 à 1640
Date de réception : **2009-09-14**
Certificat émis le .: **2009-09-15**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28627- 19 | 28627- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 1639 | 1640 |
| B23- 1 Analyse | | 2009-09-15 | 2009-09-15 |
| B23- 1 Li | | 0.330 % | 0.629 % |

Responsable :

Bernard Montminy, chimiste, M.Sc.
Directeur adjoint à la réalisation technique



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Téléphone : (418) 527-8211 Télécopieur : (418) 527-4818

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28628- 1 | 28628- 2 | 28628- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1641 | 1642 | 1643 |
| B23- 1 Analyse | 2009-09-16 | 2009-09-16 | 2009-09-16 |
| B23- 1 Li | 0.296 % | 0.637 % | 0.652 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28628- 4 | 28628- 5 | 28628- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1644 | 1645 | 1646 |
| B23- 1 Analyse | 2009-09-16 | 2009-09-16 | 2009-09-16 |
| B23- 1 Li | 0.669 % | 0.786 % | 0.615 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28628- 7 | 28628- 8 | 28628- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1647 | 1648 | 1649 |
| B23- 1 Analyse | 2009-09-16 | 2009-09-16 | 2009-09-16 |
| B23- 1 Li | 0.712 % | 0.595 % | 0.752 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28628- 10 | 28628- 11 | 28628- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1650 | 1651 | 1652 |
| B23- 1 Analyse | 2009-09-16 | 2009-09-16 | 2009-09-16 |
| B23- 1 Li | 0.758 % | 0.741 % | 0.245 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28628- 13 | 28628- 14 | 28628- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1653 | 1654 | 1655 |
| B23- 1 Analyse | 2009-09-16 | 2009-09-16 | 2009-09-16 |
| B23- 1 Li | 0.589 % | 151 mg/kg | 0.917 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28628- 16 | 28628- 17 | 28628- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1656 | 1657 | 1658 |
| B23- 1 Analyse | 2009-09-16 | 2009-09-16 | 2009-09-16 |
| B23- 1 Li | 0.829 % | < 50.0 mg/kg | 1.04 % |

COREM

# RAPPORT D´ANALYSE version 1

Votre référence ...: **LSA-2009-17**
1641 à 1660
Date de réception : **2009-09-14**
Certificat émis le .: **2009-09-16**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | | 28628- 19 | 28628- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 1659 | 1660 |
| B23- 1 Analyse | | 2009-09-16 | 2009-09-16 |
| B23- 1 Li | | 1.04 % | 0.521 % |

Responsable :

Bernard Montminy, chimiste, M.Sc.
Directeur adjoint à la réalisation technique

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28635- 1 | 28635- 2 | 28635- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1661 | 1662 | 1663 |
| B23- 1 Analyse | 2009-09-16 | 2009-09-16 | 2009-09-16 |
| B23- 1 Li | 1.22 % | 0.613 % | 0.740 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28635- 4 | 28635- 5 | 28635- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1664 | 1665 | 1666 |
| B23- 1 Analyse | 2009-09-16 | 2009-09-16 | 2009-09-16 |
| B23- 1 Li | 0.677 % | 0.880 % | 0.577 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28635- 7 | 28635- 8 | 28635- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1667 | 1668 | 1669 |
| B23- 1 Analyse | 2009-09-16 | 2009-09-16 | 2009-09-16 |
| B23- 1 Li | 0.397 % | 0.645 % | 0.935 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28635- 10 | 28635- 11 | 28635- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1670 | 1671 | 1672 |
| B23- 1 Analyse | 2009-09-16 | 2009-09-16 | 2009-09-16 |
| B23- 1 Li | 0.397 % | 0.798 % | 0.663 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28635- 13 | 28635- 14 | 28635- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1673 | 1674 | 1675 |
| B23- 1 Analyse | 2009-09-16 | 2009-09-16 | 2009-09-16 |
| B23- 1 Li | 0.892 % | 0.675 % | 0.603 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28635- 16 | 28635- 17 | 28635- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1676 | 1677 | 1678 |
| B23- 1 Analyse | 2009-09-16 | 2009-09-16 | 2009-09-16 |
| B23- 1 Li | 1.03 % | 0.736 % | 0.525 % |

COREM

**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
1661 à 1680
Date de réception : **2009-09-14**
Certificat émis le .: **2009-09-16**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28635- 19 | 28635- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 1679 | 1680 |
| B23- 1 Analyse | | 2009-09-16 | 2009-09-16 |
| B23- 1 Li | | 0.758 % | 0.857 % |

Responsable :

Bernard Montminy, chimiste, M.Sc.
Directeur adjoint à la réalisation technique

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28636- 1 | 28636- 2 | 28636- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1681 | 1682 | 1683 |
| B23- 1 Analyse | 2009-09-17 | 2009-09-17 | 2009-09-17 |
| B23- 1 Li | 0.865 % | 0.590 % | 0.626 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28636- 4 | 28636- 5 | 28636- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1684 | 1685 | 1686 |
| B23- 1 Analyse | 2009-09-17 | 2009-09-17 | 2009-09-17 |
| B23- 1 Li | 0.530 % | 0.330 % | 0.827 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28636- 7 | 28636- 8 | 28636- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1687 | 1688 | 1689 |
| B23- 1 Analyse | 2009-09-17 | 2009-09-17 | 2009-09-17 |
| B23- 1 Li | 0.398 % | 0.525 % | 0.253 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28636- 10 | 28636- 11 | 28636- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1690 | 1691 | 1692 |
| B23- 1 Analyse | 2009-09-17 | 2009-09-17 | 2009-09-17 |
| B23- 1 Li | 0.555 % | 0.718 % | 0.414 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28636- 13 | 28636- 14 | 28636- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1693 | 1694 | 1695 |
| B23- 1 Analyse | 2009-09-17 | 2009-09-17 | 2009-09-17 |
| B23- 1 Li | 0.517 % | 0.731 % | 0.537 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28636- 16 | 28636- 17 | 28636- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1696 | 1697 | 1698 |
| B23- 1 Analyse | 2009-09-17 | 2009-09-17 | 2009-09-17 |
| B23- 1 Li | 256 mg/kg | 101 mg/kg | < 50.0 mg/kg |

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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
1681 à 1700
Date de réception : **2009-09-14**
Certificat émis le .: **2009-09-17**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28636- 19 | 28636- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 1699 | 1700 |
| B23- 1 Analyse | | 2009-09-17 | 2009-09-17 |
| B23- 1 Li | | 0.380 % | 98.9 mg/kg |

Responsable :

Bernard Montminy,chimiste,M.Sc.
Directeur adjoint à la réalisation technique

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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
1701 à 1720
Date de réception : **2009-09-14**
Certificat émis le .: **2009-09-17**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28637- 1 | 28637- 2 | 28637- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1701 | 1702 | 1703 |
| B23- 1 Analyse | 2009-09-17 | 2009-09-17 | 2009-09-17 |
| B23- 1 Li | 56.3 mg/kg | < 50.0 mg/kg | 979 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28637- 4 | 28637- 5 | 28637- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1704 | 1705 | 1706 |
| B23- 1 Analyse | 2009-09-17 | 2009-09-17 | 2009-09-17 |
| B23- 1 Li | 0.710 % | 0.387 % | 0.823 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28637- 7 | 28637- 8 | 28637- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1707 | 1708 | 1709 |
| B23- 1 Analyse | 2009-09-17 | 2009-09-17 | 2009-09-17 |
| B23- 1 Li | 0.632 % | 0.632 % | 0.669 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28637- 10 | 28637- 11 | 28637- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1710 | 1711 | 1712 |
| B23- 1 Analyse | 2009-09-17 | 2009-09-17 | 2009-09-17 |
| B23- 1 Li | 147 mg/kg | 0.421 % | 0.255 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28637- 13 | 28637- 14 | 28637- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1713 | 1714 | 1715 |
| B23- 1 Analyse | 2009-09-17 | 2009-09-17 | 2009-09-17 |
| B23- 1 Li | 0.734 % | 0.756 % | 0.824 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28637- 16 | 28637- 17 | 28637- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1716 | 1717 | 1718 |
| B23- 1 Analyse | 2009-09-17 | 2009-09-17 | 2009-09-17 |
| B23- 1 Li | 0.751 % | 1.16 % | 0.867 % |



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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
1701 à 1720
Date de réception : **2009-09-14**
Certificat émis le .: **2009-09-17**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28637- 19 | 28637- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 1719 | 1720 |
| B23- 1 Analyse | | 2009-09-17 | 2009-09-17 |
| B23- 1 Li | | 0.397 % | 0.272 % |

Responsable :

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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
568821 à 568830
Date de réception : **2009-09-14**
Certificat émis le .: **2009-09-17**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28638- 1 | 28638- 2 | 28638- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 568821 | 568822 | 568823 |
| B23- 1 Analyse | 2009-09-17 | 2009-09-17 | 2009-09-17 |
| B23- 1 Li | 0.841 % | 256 mg/kg | 0.206 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28638- 4 | 28638- 5 | 28638- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 568824 | 568825 | 568826 |
| B23- 1 Analyse | 2009-09-17 | 2009-09-17 | 2009-09-17 |
| B23- 1 Li | 0.632 % | 0.708 % | 0.698 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28638- 7 | 28638- 8 | 28638- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 568827 | 568828 | 568829 |
| B23- 1 Analyse | 2009-09-17 | 2009-09-17 | 2009-09-17 |
| B23- 1 Li | 1.03 % | 0.771 % | 0.955 % |

| | |
|---|---|
| Numéro COREM : | 28638- 10 |
| Nature : | SOLIDES |
| Désignation : | 568830 |
| B23- 1 Analyse | 2009-09-17 |
| B23- 1 Li | 0.929 % |

Responsable :

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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
0971 à 0977 +1146-1147 +1
Date de réception : **2009-09-16**
Certificat émis le .: **2009-09-17**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28671- 1 | 28671- 2 | 28671- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0971 | 0972 | 0973 |
| B23- 1 Analyse | 2009-09-17 | 2009-09-17 | 2009-09-17 |
| B23- 1 Li | 0.721 % | 0.888 % | 0.479 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28671- 4 | 28671- 5 | 28671- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0974 | 0975 | 0976 |
| B23- 1 Analyse | 2009-09-17 | 2009-09-17 | 2009-09-17 |
| B23- 1 Li | 0.454 % | 0.657 % | 0.650 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28671- 7 | 28671- 8 | 28671- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0977 | 1146 | 1147 |
| B23- 1 Analyse | 2009-09-17 | 2009-09-17 | 2009-09-17 |
| B23- 1 Li | 0.783 % | 71.2 mg/kg | 75.3 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28671- 10 | 28671- 11 | 28671- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1150 | 1151 | 1526 |
| B23- 1 Analyse | 2009-09-17 | 2009-09-17 | 2009-09-17 |
| B23- 1 Li | 0.267 % | 0.601 % | 78.3 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28671- 13 | 28671- 14 | 28671- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1527 | 1528 | 1529 |
| B23- 1 Analyse | 2009-09-17 | 2009-09-17 | 2009-09-17 |
| B23- 1 Li | 0.615 % | 1.05 % | 0.654 % |

Responsable :

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28678- 1 | 28678- 2 | 28678- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 568831 | 568832 | 0979 |
| B23- 1 Analyse | 2009-09-18 | 2009-09-18 | 2009-09-18 |
| B23- 1 Li | 0.113 % | 0.672 % | 0.555 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28678- 4 | 28678- 5 | 28678- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0980 | 0981 | 1149 |
| B23- 1 Analyse | 2009-09-18 | 2009-09-18 | 2009-09-18 |
| B23- 1 Li | 0.739 % | 0.421 % | 167 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28678- 7 | 28678- 8 | 28678- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1721 | 1722 | 1723 |
| B23- 1 Analyse | 2009-09-18 | 2009-09-18 | 2009-09-18 |
| B23- 1 Li | 0.243 % | 0.568 % | 0.898 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28678- 10 | 28678- 11 | 28678- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1724 | 1725 | 1726 |
| B23- 1 Analyse | 2009-09-18 | 2009-09-18 | 2009-09-18 |
| B23- 1 Li | 0.451 % | 0.475 % | 0.663 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28678- 13 | 28678- 14 | 28678- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1727 | 1728 | 1729 |
| B23- 1 Analyse | 2009-09-18 | 2009-09-18 | 2009-09-18 |
| B23- 1 Li | 0.377 % | 0.623 % | 0.416 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28678- 16 | 28678- 17 | 28678- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1730 | 1731 | 1732 |
| B23- 1 Analyse | 2009-09-18 | 2009-09-18 | 2009-09-18 |
| B23- 1 Li | 0.713 % | 0.871 % | 1.00 % |

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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
568831 à 568832- 0979 à 0
Date de réception : **2009-09-17**
Certificat émis le .: **2009-09-18**

**James McCann**
**100563 Lithium One Inc.**

| | | |
|---|---|---|
| Numéro COREM : | 28678- 19 | 28678- 20 |
| Nature : | SOLIDES | SOLIDES |
| Désignation : | 1733 | 1734 |
| B23- 1 Analyse | 2009-09-18 | 2009-09-18 |
| B23- 1 Li | 0.310 % | 0.814 % |

Responsable :

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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
1755 à 1770
Date de réception : **2009-09-17**
Certificat émis le .: **2009-09-22**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28680- 1 | 28680- 2 | 28680- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1755 | 1756 | 1757 |
| B23- 1 Analyse | 2009-09-22 | 2009-09-22 | 2009-09-22 |
| B23- 1 Li | 0.687 % | 0.417 % | 0.543 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28680- 4 | 28680- 5 | 28680- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1758 | 1759 | 1760 |
| B23- 1 Analyse | 2009-09-22 | 2009-09-22 | 2009-09-22 |
| B23- 1 Li | 0.536 % | 765 mg/kg | 1.52 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28680- 7 | 28680- 8 | 28680- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1761 | 1762 | 1763 |
| B23- 1 Analyse | 2009-09-22 | 2009-09-22 | 2009-09-22 |
| B23- 1 Li | 0.364 % | 0.321 % | 0.375 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28680- 10 | 28680- 11 | 28680- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1764 | 1765 | 1766 |
| B23- 1 Analyse | 2009-09-22 | 2009-09-22 | 2009-09-22 |
| B23- 1 Li | 0.226 % | 533 mg/kg | 90.3 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28680- 13 | 28680- 14 | 28680- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1767 | 1768 | 1769 |
| B23- 1 Analyse | 2009-09-22 | 2009-09-22 | 2009-09-22 |
| B23- 1 Li | 58.7 mg/kg | 0.428 % | 0.634 % |

| | |
|---|---|
| Numéro COREM : | 28680- 16 |
| Nature : | SOLIDES |
| Désignation : | 1770 |
| B23- 1 Analyse | 2009-09-22 |
| B23- 1 Li | 0.606 % |

Responsable :

Bernard Montminy, chimiste, M.Sc.
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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28679- 1 | 28679- 2 | 28679- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1735 | 1736 | 1737 |
| B23- 1 Analyse | 2009-09-18 | 2009-09-18 | 2009-09-18 |
| B23- 1 Li | 0.628 % | 0.284 % | 0.287 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28679- 4 | 28679- 5 | 28679- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1738 | 1739 | 1740 |
| B23- 1 Analyse | 2009-09-18 | 2009-09-18 | 2009-09-18 |
| B23- 1 Li | 511 mg/kg | < 50.0 mg/kg | 213 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28679- 7 | 28679- 8 | 28679- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1741 | 1742 | 1743 |
| B23- 1 Analyse | 2009-09-18 | 2009-09-18 | 2009-09-18 |
| B23- 1 Li | 0.226 % | 0.298 % | 0.498 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28679- 10 | 28679- 11 | 28679- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1744 | 1745 | 1746 |
| B23- 1 Analyse | 2009-09-18 | 2009-09-18 | 2009-09-18 |
| B23- 1 Li | 0.105 % | < 50.0 mg/kg | 106 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28679- 13 | 28679- 14 | 28679- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1747 | 1748 | 1749 |
| B23- 1 Analyse | 2009-09-18 | 2009-09-18 | 2009-09-18 |
| B23- 1 Li | 688 mg/kg | 97.2 mg/kg | 0.356 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28679- 16 | 28679- 17 | 28679- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1750 | 1751 | 1752 |
| B23- 1 Analyse | 2009-09-18 | 2009-09-18 | 2009-09-18 |
| B23- 1 Li | 0.718 % | 1.30 % | 0.902 % |

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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
1735 à 1754
Date de réception : **2009-09-17**
Certificat émis le .: **2009-09-18**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28679- 19 | 28679- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 1753 | 1754 |
| B23- 1 Analyse | | 2009-09-18 | 2009-09-18 |
| B23- 1 Li | | 0.838 % | 0.740 % |

Responsable :

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# RAPPORT D´ANALYSE version 2

Votre référence ...: **Reprises**

**James McCann**
**100563 Lithium One Inc.**

Date de réception : **2009-09-18**
Certificat émis le .: **2009-09-21**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28684- 1 | 28684- 2 | 28684- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753410 (28147-20) | 753490 (28154-9) | 279610 (28237-10) |
| B23- 1 Analyse | 2009-09-18 | 2009-09-18 | 2009-09-18 |
| B23- 1 Li | < 50 mg/kg | < 50 mg/kg | < 50 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28684- 4 | 28684- 5 | 28684- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279980 (28325-10) | 1053 (28464-17) | 1094 (28500-11) |
| B23- 1 Analyse | 2009-09-18 | 2009-09-18 | 2009-09-18 |
| B23- 1 Li | 0.37 % | 0.36 % | 0.36 % |

Responsable :

Bernard Montminy,chimiste,M.Sc.
Directeur adjoint à la réalisation technique



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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28685- 1 | 28685- 2 | 28685- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1771 | 1772 | 1773 |
| B23- 1 Analyse | 2009-09-22 | 2009-09-22 | 2009-09-22 |
| B23- 1 Li | 575 mg/kg | 141 mg/kg | 99.3 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28685- 4 | 28685- 5 | 28685- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1774 | 1775 | 1776 |
| B23- 1 Analyse | 2009-09-22 | 2009-09-22 | 2009-09-22 |
| B23- 1 Li | 125 mg/kg | 137 mg/kg | 90.5 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28685- 7 | 28685- 8 | 28685- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1777 | 1778 | 1779 |
| B23- 1 Analyse | 2009-09-22 | 2009-09-22 | 2009-09-22 |
| B23- 1 Li | 58.8 mg/kg | 486 mg/kg | 0.128 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28685- 10 | 28685- 11 | 28685- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1780 | 1781 | 1782 |
| B23- 1 Analyse | 2009-09-22 | 2009-09-22 | 2009-09-22 |
| B23- 1 Li | < 50.0 mg/kg | 0.886 % | 0.592 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28685- 13 | 28685- 14 | 28685- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1783 | 1784 | 1785 |
| B23- 1 Analyse | 2009-09-22 | 2009-09-22 | 2009-09-22 |
| B23- 1 Li | 0.162 % | 205 mg/kg | 0.254 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28685- 16 | 28685- 17 | 28685- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1786 | 1787 | 1788 |
| B23- 1 Analyse | 2009-09-22 | 2009-09-22 | 2009-09-22 |
| B23- 1 Li | 0.511 % | 0.362 % | 1.44 % |



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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
1771 à 1790
Date de réception : **2009-09-18**
Certificat émis le .: **2009-09-22**

**James McCann**
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| | | | |
|---|---|---|---|
| Numéro COREM | : | 28685- 19 | 28685- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 1789 | 1790 |
| B23- 1 Analyse | | 2009-09-22 | 2009-09-22 |
| B23- 1 Li | | 0.600 % | 0.410 % |

Responsable :

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Directeur adjoint à la réalisation technique

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28686- 1 | 28686- 2 | 28686- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1791 | 1792 | 1793 |
| B23- 1 Analyse | 2009-09-22 | 2009-09-22 | 2009-09-22 |
| B23- 1 Li | 0.415 % | 0.378 % | 177 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28686- 4 | 28686- 5 | 28686- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1794 | 1795 | 1796 |
| B23- 1 Analyse | 2009-09-22 | 2009-09-22 | 2009-09-22 |
| B23- 1 Li | 141 mg/kg | 0.737 % | 0.594 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28686- 7 | 28686- 8 | 28686- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1797 | 1798 | 1799 |
| B23- 1 Analyse | 2009-09-22 | 2009-09-22 | 2009-09-22 |
| B23- 1 Li | 0.618 % | 0.894 % | 1.15 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28686- 10 | 28686- 11 | 28686- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1800 | 1801 | 1802 |
| B23- 1 Analyse | 2009-09-22 | 2009-09-22 | 2009-09-22 |
| B23- 1 Li | 0.565 % | 0.921 % | 330 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28686- 13 | 28686- 14 | 28686- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1803 | 1804 | 1805 |
| B23- 1 Analyse | 2009-09-22 | 2009-09-22 | 2009-09-22 |
| B23- 1 Li | 138 mg/kg | 0.391 % | 0.736 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28686- 16 | 28686- 17 | 28686- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1806 | 1807 | 1808 |
| B23- 1 Analyse | 2009-09-22 | 2009-09-22 | 2009-09-22 |
| B23- 1 Li | 1.00 % | 0.534 % | 347 mg/kg |

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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
1791 à 1810
Date de réception : **2009-09-18**
Certificat émis le .: **2009-09-22**

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| | | |
|---|---|---|
| Numéro COREM : | 28686- 19 | 28686- 20 |
| Nature : | SOLIDES | SOLIDES |
| Désignation : | 1809 | 1810 |
| B23- 1 Analyse | 2009-09-22 | 2009-09-22 |
| B23- 1 Li | 107 mg/kg | 0.398 % |

Responsable :

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**James McCann**
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| | | | |
|---|---|---|---|
| Numéro COREM : | 28687- 1 | 28687- 2 | 28687- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1421 | 1422 | 1423 |
| B23- 1 Analyse | 2009-09-22 | 2009-09-22 | 2009-09-22 |
| B23- 1 Li | 0.611 % | 0.908 % | 0.180 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28687- 4 | 28687- 5 | 28687- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1424 | 1425 | 1426 |
| B23- 1 Analyse | 2009-09-22 | 2009-09-22 | 2009-09-22 |
| B23- 1 Li | 0.382 % | 0.104 % | 210 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28687- 7 | 28687- 8 | 28687- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1427 | 1428 | 1429 |
| B23- 1 Analyse | 2009-09-22 | 2009-09-22 | 2009-09-22 |
| B23- 1 Li | 0.130 % | 0.534 % | 0.903 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28687- 10 | 28687- 11 | 28687- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1430 | 1431 | 1432 |
| B23- 1 Analyse | 2009-09-22 | 2009-09-22 | 2009-09-22 |
| B23- 1 Li | 1.37 % | 0.805 % | 0.641 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28687- 13 | 28687- 14 | 28687- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1433 | 1434 | 1435 |
| B23- 1 Analyse | 2009-09-22 | 2009-09-22 | 2009-09-22 |
| B23- 1 Li | 0.899 % | 0.969 % | 0.950 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28687- 16 | 28687- 17 | 28687- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1436 | 1437 | 1438 |
| B23- 1 Analyse | 2009-09-22 | 2009-09-22 | 2009-09-22 |
| B23- 1 Li | 1.33 % | 1.08 % | 0.495 % |

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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
1421 à 1444
Date de réception : **2009-09-18**
Certificat émis le .: **2009-09-22**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28687- 19 | 28687- 20 | 28687- 21 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1439 | 1440 | 1441 |
| B23- 1 Analyse | 2009-09-22 | 2009-09-22 | 2009-09-22 |
| B23- 1 Li | 0.924 % | 0.903 % | 0.613 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28687- 22 | 28687- 23 | 28687- 24 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1442 | 1443 | 1444 |
| B23- 1 Analyse | 2009-09-22 | 2009-09-22 | 2009-09-22 |
| B23- 1 Li | 1.18 % | 0.901 % | 0.791 % |

Responsable :

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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
2401 à 2420
Date de réception : **2009-09-22**
Certificat émis le .: **2009-09-23**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28723- 1 | 28723- 2 | 28723- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2401 | 2402 | 2403 |
| B23- 1 Analyse | 2009-09-23 | 2009-09-23 | 2009-09-23 |
| B23- 1 Li | < 50.0 mg/kg | 0.550 % | 0.384 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28723- 4 | 28723- 5 | 28723- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2404 | 2405 | 2406 |
| B23- 1 Analyse | 2009-09-23 | 2009-09-23 | 2009-09-23 |
| B23- 1 Li | 0.586 % | 0.615 % | 0.710 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28723- 7 | 28723- 8 | 28723- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2407 | 2408 | 2409 |
| B23- 1 Analyse | 2009-09-23 | 2009-09-23 | 2009-09-23 |
| B23- 1 Li | 0.516 % | 0.534 % | 0.644 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28723- 10 | 28723- 11 | 28723- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2410 | 2411 | 2412 |
| B23- 1 Analyse | 2009-09-23 | 2009-09-23 | 2009-09-23 |
| B23- 1 Li | 0.208 % | 0.760 % | 0.442 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28723- 13 | 28723- 14 | 28723- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2413 | 2414 | 2415 |
| B23- 1 Analyse | 2009-09-23 | 2009-09-23 | 2009-09-23 |
| B23- 1 Li | 0.496 % | 0.404 % | 495 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28723- 16 | 28723- 17 | 28723- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2416 | 2417 | 2418 |
| B23- 1 Analyse | 2009-09-23 | 2009-09-23 | 2009-09-23 |
| B23- 1 Li | 75.1 mg/kg | 68.9 mg/kg | < 50.0 mg/kg |



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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
2401 à 2420
Date de réception : **2009-09-22**
Certificat émis le .: **2009-09-23**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28723- 19 | 28723- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 2419 | 2420 |
| B23- 1 Analyse | | 2009-09-23 | 2009-09-23 |
| B23- 1 Li | | 54.1 mg/kg | 50.3 mg/kg |

Responsable :

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Directeur adjoint à la réalisation technique

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28724- 1 | 28724- 2 | 28724- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2421 | 2422 | 2423 |
| B23- 1 Analyse | 2009-09-23 | 2009-09-23 | 2009-09-23 |
| B23- 1 Li | 394 mg/kg | 311 mg/kg | 192 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28724- 4 | 28724- 5 | 28724- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2424 | 2425 | 2426 |
| B23- 1 Analyse | 2009-09-23 | 2009-09-23 | 2009-09-23 |
| B23- 1 Li | 559 mg/kg | 328 mg/kg | 209 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28724- 7 | 28724- 8 | 28724- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2427 | 2428 | 2429 |
| B23- 1 Analyse | 2009-09-23 | 2009-09-23 | 2009-09-23 |
| B23- 1 Li | 0.257 % | 0.720 % | 0.562 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28724- 10 | 28724- 11 | 28724- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2430 | 2431 | 2432 |
| B23- 1 Analyse | 2009-09-23 | 2009-09-23 | 2009-09-23 |
| B23- 1 Li | 0.413 % | 0.833 % | 0.388 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28724- 13 | 28724- 14 | 28724- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2433 | 2434 | 2435 |
| B23- 1 Analyse | 2009-09-23 | 2009-09-23 | 2009-09-23 |
| B23- 1 Li | 0.621 % | 0.324 % | 0.392 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28724- 16 | 28724- 17 | 28724- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2436 | 2437 | 2438 |
| B23- 1 Analyse | 2009-09-23 | 2009-09-23 | 2009-09-23 |
| B23- 1 Li | 0.529 % | 0.720 % | 0.492 % |



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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
2421 à 2440
Date de réception : **2009-09-22**
Certificat émis le .: **2009-09-23**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28724- 19 | 28724- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 2439 | 2440 |
| B23- 1 Analyse | | 2009-09-23 | 2009-09-23 |
| B23- 1 Li | | < 50.0 mg/kg | 0.637 % |

Responsable :

Bernard Montminy,chimiste,M.Sc.
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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28725- 1 | 28725- 2 | 28725- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2441 | 2442 | 2443 |
| B23- 1 Analyse | 2009-09-23 | 2009-09-23 | 2009-09-23 |
| B23- 1 Li | 0.603 % | 0.815 % | 0.508 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28725- 4 | 28725- 5 | 28725- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2444 | 2445 | 2446 |
| B23- 1 Analyse | 2009-09-23 | 2009-09-23 | 2009-09-23 |
| B23- 1 Li | 0.340 % | 71.4 mg/kg | 0.463 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28725- 7 | 28725- 8 | 28725- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2447 | 2448 | 2449 |
| B23- 1 Analyse | 2009-09-23 | 2009-09-23 | 2009-09-23 |
| B23- 1 Li | 92.7 mg/kg | 1.14 % | 0.857 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28725- 10 | 28725- 11 | 28725- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2450 | 2451 | 2452 |
| B23- 1 Analyse | 2009-09-23 | 2009-09-23 | 2009-09-23 |
| B23- 1 Li | 0.627 % | 0.250 % | 0.800 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28725- 13 | 28725- 14 | 28725- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2453 | 2454 | 2455 |
| B23- 1 Analyse | 2009-09-23 | 2009-09-23 | 2009-09-23 |
| B23- 1 Li | 0.856 % | 0.837 % | 0.813 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28725- 16 | 28725- 17 | 28725- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2456 | 2457 | 2458 |
| B23- 1 Analyse | 2009-09-23 | 2009-09-23 | 2009-09-23 |
| B23- 1 Li | 0.425 % | 0.847 % | 0.693 % |

COREM

**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
2441 à 2460
Date de réception : **2009-09-22**
Certificat émis le .: **2009-09-23**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28725- 19 | 28725- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 2459 | 2460 |
| B23- 1 Analyse | | 2009-09-23 | 2009-09-23 |
| B23- 1 Li | | 0.751 % | 0.447 % |

Responsable :

Bernard Montminy, chimiste, M.Sc.
Directeur adjoint à la réalisation technique



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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28726- 1 | 28726- 2 | 28726- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2461 | 2462 | 2463 |
| B23- 1 Analyse | 2009-09-23 | 2009-09-23 | 2009-09-23 |
| B23- 1 Li | 0.416 % | 0.512 % | 0.301 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28726- 4 | 28726- 5 | 28726- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2464 | 2465 | 2466 |
| B23- 1 Analyse | 2009-09-23 | 2009-09-23 | 2009-09-23 |
| B23- 1 Li | 0.103 % | 0.350 % | 0.628 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28726- 7 | 28726- 8 | 28726- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2467 | 2468 | 2469 |
| B23- 1 Analyse | 2009-09-23 | 2009-09-23 | 2009-09-23 |
| B23- 1 Li | 80.0 mg/kg | 0.477 % | 0.464 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28726- 10 | 28726- 11 | 28726- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2470 | 2471 | 2472 |
| B23- 1 Analyse | 2009-09-23 | 2009-09-23 | 2009-09-23 |
| B23- 1 Li | 0.662 % | 0.405 % | 0.626 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28726- 13 | 28726- 14 | 28726- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2473 | 2474 | 2475 |
| B23- 1 Analyse | 2009-09-23 | 2009-09-23 | 2009-09-23 |
| B23- 1 Li | 0.826 % | 0.710 % | 0.654 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28726- 16 | 28726- 17 | 28726- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2476 | 2477 | 2478 |
| B23- 1 Analyse | 2009-09-23 | 2009-09-23 | 2009-09-23 |
| B23- 1 Li | 0.757 % | 0.723 % | 0.578 % |



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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
2461 à 2480
Date de réception : **2009-09-22**
Certificat émis le .: **2009-09-23**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28726- 19 | 28726- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 2479 | 2480 |
| B23- 1 Analyse | | 2009-09-23 | 2009-09-23 |
| B23- 1 Li | | 0.950 % | < 50.0 mg/kg |

Responsable :

Bernard Montminy, chimiste, M.Sc.
Directeur adjoint à la réalisation technique

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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
0982 à 0984 +1287 +568833
Date de réception : **2009-09-22**
Certificat émis le .: **2009-09-25**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28727- 1 | 28727- 2 | 28727- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0982 | 0983 | 0984 |
| B23- 1 Analyse | 2009-09-24 | 2009-09-24 | 2009-09-24 |
| B23- 1 Li | 176 mg/kg | 98.7 mg/kg | 0.765 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28727- 4 | 28727- 5 | 28727- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1287 | 568833 | 568834 |
| B23- 1 Analyse | 2009-09-24 | 2009-09-24 | 2009-09-25 |
| B23- 1 Li | 0.675 % | 0.755 % | 0.557 % |

Responsable :

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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
2034 à 2054
Date de réception : **2009-09-22**
Certificat émis le .: **2009-09-25**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28728- 1 | 28728- 2 | 28728- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2034 | 2035 | 2036 |
| B23- 1 Analyse | 2009-09-24 | 2009-09-24 | 2009-09-24 |
| B23- 1 Li | 0.962 % | 0.943 % | 0.653 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28728- 4 | 28728- 5 | 28728- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2037 | 2038 | 2039 |
| B23- 1 Analyse | 2009-09-24 | 2009-09-24 | 2009-09-24 |
| B23- 1 Li | 0.868 % | 0.782 % | 0.887 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28728- 7 | 28728- 8 | 28728- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2040 | 2041 | 2042 |
| B23- 1 Analyse | 2009-09-24 | 2009-09-24 | 2009-09-24 |
| B23- 1 Li | 1.01 % | 0.545 % | < 50.0 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28728- 10 | 28728- 11 | 28728- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2043 | 2044 | 2045 |
| B23- 1 Analyse | 2009-09-24 | 2009-09-24 | 2009-09-24 |
| B23- 1 Li | 0.340 % | 0.641 % | 0.989 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28728- 13 | 28728- 14 | 28728- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2046 | 2047 | 2048 |
| B23- 1 Analyse | 2009-09-24 | 2009-09-24 | 2009-09-24 |
| B23- 1 Li | 1.02 % | 0.977 % | 0.501 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28728- 16 | 28728- 17 | 28728- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2049 | 2050 | 2051 |
| B23- 1 Analyse | 2009-09-24 | 2009-09-24 | 2009-09-24 |
| B23- 1 Li | 0.402 % | 0.545 % | 0.687 % |



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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
2034 à 2054
Date de réception : **2009-09-22**
Certificat émis le .: **2009-09-25**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28728- 19 | 28728- 20 | 28728- 21 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2052 | 2053 | 2054 |
| B23- 1 Analyse | 2009-09-24 | 2009-09-25 | 2009-09-24 |
| B23- 1 Li | 0.502 % | 0.724 % | 0.416 % |

Responsable :

Bernard Montminy, chimiste, M.Sc.
Directeur adjoint à la réalisation technique

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28735- 1 | 28735- 2 | 28735- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1465 | 1466 | 1467 |
| B23- 1 Analyse | 2009-09-25 | 2009-09-25 | 2009-09-25 |
| B23- 1 Li | 0.586 % | 0.731 % | 0.758 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28735- 4 | 28735- 5 | 28735- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1468 | 1469 | 1470 |
| B23- 1 Analyse | 2009-09-25 | 2009-09-25 | 2009-09-25 |
| B23- 1 Li | 0.923 % | 1.57 % | 0.900 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28735- 7 | 28735- 8 | 28735- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1471 | 1472 | 1473 |
| B23- 1 Analyse | 2009-09-25 | 2009-09-25 | 2009-09-25 |
| B23- 1 Li | 0.367 % | 0.418 % | 0.767 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28735- 10 | 28735- 11 | 28735- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1474 | 1475 | 1476 |
| B23- 1 Analyse | 2009-09-25 | 2009-09-25 | 2009-09-25 |
| B23- 1 Li | 0.789 % | 0.932 % | 0.970 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28735- 13 | 28735- 14 | 28735- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1477 | 1478 | 1479 |
| B23- 1 Analyse | 2009-09-25 | 2009-09-25 | 2009-09-25 |
| B23- 1 Li | 0.226 % | 0.709 % | 0.836 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28735- 16 | 28735- 17 | 28735- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1480 | 1481 | 1482 |
| B23- 1 Analyse | 2009-09-25 | 2009-09-25 | 2009-09-25 |
| B23- 1 Li | 0.374 % | 0.248 % | 0.597 % |

COREM

## RAPPORT D'ANALYSE version 1

Votre référence ...: **LSA-2009-17**
1465 à 1484
Date de réception : **2009-09-23**
Certificat émis le .: **2009-09-25**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28735- 19 | 28735- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 1483 | 1484 |
| B23- 1 Analyse | | 2009-09-25 | 2009-09-25 |
| B23- 1 Li | | 0.237 % | 292 mg/kg |

Responsable :

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28734- 1 | 28734- 2 | 28734- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1445 | 1446 | 1447 |
| B23- 1 Analyse | 2009-09-24 | 2009-09-24 | 2009-09-24 |
| B23- 1 Li | 0.314 % | 0.861 % | 1.24 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28734- 4 | 28734- 5 | 28734- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1448 | 1449 | 1450 |
| B23- 1 Analyse | 2009-09-24 | 2009-09-24 | 2009-09-24 |
| B23- 1 Li | 108 mg/kg | 0.331 % | 0.658 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28734- 7 | 28734- 8 | 28734- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1451 | 1452 | 1453 |
| B23- 1 Analyse | 2009-09-24 | 2009-09-24 | 2009-09-24 |
| B23- 1 Li | 1.27 % | < 50.0 mg/kg | 0.536 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28734- 10 | 28734- 11 | 28734- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1454 | 1455 | 1456 |
| B23- 1 Analyse | 2009-09-24 | 2009-09-24 | 2009-09-24 |
| B23- 1 Li | 0.583 % | 1.34 % | 1.62 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28734- 13 | 28734- 14 | 28734- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1457 | 1458 | 1459 |
| B23- 1 Analyse | 2009-09-24 | 2009-09-24 | 2009-09-24 |
| B23- 1 Li | 1.28 % | 0.601 % | 0.552 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28734- 16 | 28734- 17 | 28734- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1460 | 1461 | 1462 |
| B23- 1 Analyse | 2009-09-24 | 2009-09-24 | 2009-09-24 |
| B23- 1 Li | 0.791 % | 0.939 % | 0.397 % |

COREM

**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
1445 à 1464
Date de réception : **2009-09-23**
Certificat émis le .: **2009-09-24**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28734- 19 | 28734- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 1463 | 1464 |
| B23- 1 Analyse | | 2009-09-24 | 2009-09-24 |
| B23- 1 Li | | 0.827 % | 0.650 % |

Responsable :

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# RAPPORT D´ANALYSE version 1

Votre référence ...: **LSA-2009-17**
1485 à 1500
Date de réception : **2009-09-23**
Certificat émis le .: **2009-09-25**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28736- 1 | 28736- 2 | 28736- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1485 | 1486 | 1487 |
| B23- 1 Analyse | 2009-09-25 | 2009-09-25 | 2009-09-25 |
| B23- 1 Li | 99.5 mg/kg | 95.2 mg/kg | 82.5 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28736- 4 | 28736- 5 | 28736- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1488 | 1489 | 1490 |
| B23- 1 Analyse | 2009-09-25 | 2009-09-25 | 2009-09-25 |
| B23- 1 Li | 154 mg/kg | 746 mg/kg | 205 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28736- 7 | 28736- 8 | 28736- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1491 | 1492 | 1493 |
| B23- 1 Analyse | 2009-09-25 | 2009-09-25 | 2009-09-25 |
| B23- 1 Li | 57.1 mg/kg | 874 mg/kg | < 50.0 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28736- 10 | 28736- 11 | 28736- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1494 | 1495 | 1496 |
| B23- 1 Analyse | 2009-09-25 | 2009-09-25 | 2009-09-25 |
| B23- 1 Li | 152 mg/kg | 707 mg/kg | 0.197 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28736- 13 | 28736- 14 | 28736- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1497 | 1498 | 1499 |
| B23- 1 Analyse | 2009-09-25 | 2009-09-25 | 2009-09-25 |
| B23- 1 Li | 0.125 % | 805 mg/kg | 482 mg/kg |

| | |
|---|---|
| Numéro COREM : | 28736- 16 |
| Nature : | SOLIDES |
| Désignation : | 1500 |
| B23- 1 Analyse | 2009-09-25 |
| B23- 1 Li | 123 mg/kg |

Responsable :

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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
1811 à 1825
Date de réception : **2009-09-23**
Certificat émis le .: **2009-09-25**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28737- 1 | 28737- 2 | 28737- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1811 | 1812 | 1813 |
| B23- 1 Analyse | 2009-09-25 | 2009-09-25 | 2009-09-25 |
| B23- 1 Li | 164 mg/kg | 0.134 % | 0.854 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28737- 4 | 28737- 5 | 28737- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1814 | 1815 | 1816 |
| B23- 1 Analyse | 2009-09-25 | 2009-09-25 | 2009-09-25 |
| B23- 1 Li | 0.463 % | 0.657 % | 0.385 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28737- 7 | 28737- 8 | 28737- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1817 | 1818 | 1819 |
| B23- 1 Analyse | 2009-09-25 | 2009-09-25 | 2009-09-25 |
| B23- 1 Li | 133 mg/kg | 223 mg/kg | 0.444 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28737- 10 | 28737- 11 | 28737- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1820 | 1821 | 1822 |
| B23- 1 Analyse | 2009-09-25 | 2009-09-25 | 2009-09-25 |
| B23- 1 Li | 0.378 % | < 50.0 mg/kg | 0.159 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28737- 13 | 28737- 14 | 28737- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1823 | 1824 | 1825 |
| B23- 1 Analyse | 2009-09-25 | 2009-09-25 | 2009-09-25 |
| B23- 1 Li | 79.8 mg/kg | 0.636 % | 0.398 % |

Responsable :

Bernard Montminy,chimiste,M.Sc.
Directeur adjoint à la réalisation technique

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28754- 1 | 28754- 2 | 28754- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1826 | 1827 | 1828 |
| B23- 1 Analyse | 2009-09-25 | 2009-09-25 | 2009-09-25 |
| B23- 1 Li | 0.488 % | 81.6 mg/kg | < 50.0 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28754- 4 | 28754- 5 | 28754- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1829 | 1830 | 1831 |
| B23- 1 Analyse | 2009-09-25 | 2009-09-25 | 2009-09-25 |
| B23- 1 Li | 196 mg/kg | < 50.0 mg/kg | 0.563 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28754- 7 | 28754- 8 | 28754- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1832 | 1833 | 1834 |
| B23- 1 Analyse | 2009-09-25 | 2009-09-25 | 2009-09-25 |
| B23- 1 Li | < 50.0 mg/kg | 51.0 mg/kg | 0.958 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28754- 10 | 28754- 11 | 28754- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1835 | 1836 | 1837 |
| B23- 1 Analyse | 2009-09-25 | 2009-09-25 | 2009-09-25 |
| B23- 1 Li | 0.691 % | 0.431 % | 0.352 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28754- 13 | 28754- 14 | 28754- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1838 | 1839 | 1840 |
| B23- 1 Analyse | 2009-09-25 | 2009-09-25 | 2009-09-25 |
| B23- 1 Li | 0.379 % | 0.354 % | 0.630 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28754- 16 | 28754- 17 | 28754- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1841 | 1842 | 1843 |
| B23- 1 Analyse | 2009-09-25 | 2009-09-25 | 2009-09-25 |
| B23- 1 Li | 0.833 % | 0.647 % | 0.985 % |

COREM

# RAPPORT D´ANALYSE version 1

Votre référence ...: **LSA-2009-17**
1826 à 1845
Date de réception : **2009-09-24**
Certificat émis le .: **2009-09-25**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28754- 19 | 28754- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 1844 | 1845 |
| B23- 1 Analyse | | 2009-09-25 | 2009-09-25 |
| B23- 1 Li | | 1.23 % | 0.587 % |

Responsable :

Bernard Montminy,chimiste,M.Sc.
Directeur adjoint à la réalisation technique



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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28755- 1 | 28755- 2 | 28755- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1846 | 1847 | 1848 |
| B23- 1 Analyse | 2009-09-28 | 2009-09-28 | 2009-09-28 |
| B23- 1 Li | 0.734 % | 0.606 % | 0.405 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28755- 4 | 28755- 5 | 28755- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1849 | 1850 | 1851 |
| B23- 1 Analyse | 2009-09-28 | 2009-09-28 | 2009-09-28 |
| B23- 1 Li | 0.520 % | 0.676 % | 0.606 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28755- 7 | 28755- 8 | 28755- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1852 | 1853 | 1854 |
| B23- 1 Analyse | 2009-09-28 | 2009-09-28 | 2009-09-28 |
| B23- 1 Li | 0.624 % | 0.847 % | 0.715 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28755- 10 | 28755- 11 | 28755- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1855 | 1856 | 1857 |
| B23- 1 Analyse | 2009-09-28 | 2009-09-28 | 2009-09-28 |
| B23- 1 Li | 0.142 % | 0.117 % | 0.577 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28755- 13 | 28755- 14 | 28755- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1858 | 1859 | 1860 |
| B23- 1 Analyse | 2009-09-28 | 2009-09-28 | 2009-09-28 |
| B23- 1 Li | 0.877 % | 0.520 % | 0.792 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28755- 16 | 28755- 17 | 28755- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1861 | 1862 | 1863 |
| B23- 1 Analyse | 2009-09-28 | 2009-09-28 | 2009-09-28 |
| B23- 1 Li | 0.587 % | < 50.0 mg/kg | 0.246 % |

COREM

**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
1846 à 1865
Date de réception : **2009-09-24**
Certificat émis le .: **2009-09-28**

**James McCann**
**100563 Lithium One Inc.**

| | | |
|---|---|---|
| Numéro COREM : | 28755- 19 | 28755- 20 |
| Nature : | SOLIDES | SOLIDES |
| Désignation : | 1864 | 1865 |
| B23- 1 Analyse | 2009-09-28 | 2009-09-28 |
| B23- 1 Li | 1.07 % | 0.990 % |

Responsable :

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28756- 1 | 28756- 2 | 28756- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1866 | 1867 | 1868 |
| B23- 1 Analyse | 2009-09-29 | 2009-09-29 | 2009-09-29 |
| B23- 1 Li | 0.412 % | 0.745 % | 0.294 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28756- 4 | 28756- 5 | 28756- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1869 | 1870 | 1871 |
| B23- 1 Analyse | 2009-09-29 | 2009-09-29 | 2009-09-29 |
| B23- 1 Li | 0.508 % | 0.726 % | 0.779 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28756- 7 | 28756- 8 | 28756- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1872 | 1873 | 1874 |
| B23- 1 Analyse | 2009-09-29 | 2009-09-29 | 2009-09-29 |
| B23- 1 Li | 0.377 % | 0.826 % | 0.651 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28756- 10 | 28756- 11 | 28756- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1875 | 1876 | 1877 |
| B23- 1 Analyse | 2009-09-29 | 2009-09-29 | 2009-09-29 |
| B23- 1 Li | 0.783 % | 0.609 % | 0.791 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28756- 13 | 28756- 14 | 28756- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1878 | 1879 | 1880 |
| B23- 1 Analyse | 2009-09-29 | 2009-09-29 | 2009-09-29 |
| B23- 1 Li | 0.635 % | 0.541 % | 0.838 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28756- 16 | 28756- 17 | 28756- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1881 | 1882 | 1883 |
| B23- 1 Analyse | 2009-09-29 | 2009-09-29 | 2009-09-29 |
| B23- 1 Li | 0.880 % | 0.746 % | 0.305 % |

COREM

**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
1866 à 1885
Date de réception : **2009-09-24**
Certificat émis le .: **2009-09-29**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28756- 19 | 28756- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 1884 | 1885 |
| B23- 1 Analyse | | 2009-09-29 | 2009-09-29 |
| B23- 1 Li | | 0.629 % | 0.719 % |

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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
1886 à 1900
Date de réception : **2009-09-24**
Certificat émis le .: **2009-09-29**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28757- 1 | 28757- 2 | 28757- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1886 | 1887 | 1888 |
| B23- 1 Analyse | 2009-09-29 | 2009-09-29 | 2009-09-29 |
| B23- 1 Li | 0.735 % | 0.204 % | 0.435 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28757- 4 | 28757- 5 | 28757- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1889 | 1890 | 1891 |
| B23- 1 Analyse | 2009-09-29 | 2009-09-29 | 2009-09-29 |
| B23- 1 Li | 0.579 % | 0.244 % | 0.216 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28757- 7 | 28757- 8 | 28757- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1892 | 1893 | 1894 |
| B23- 1 Analyse | 2009-09-29 | 2009-09-29 | 2009-09-29 |
| B23- 1 Li | 0.637 % | 0.815 % | 0.738 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28757- 10 | 28757- 11 | 28757- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1895 | 1896 | 1897 |
| B23- 1 Analyse | 2009-09-29 | 2009-09-29 | 2009-09-29 |
| B23- 1 Li | 0.558 % | 0.957 % | 0.566 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28757- 13 | 28757- 14 | 28757- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1898 | 1899 | 1900 |
| B23- 1 Analyse | 2009-09-29 | 2009-09-29 | 2009-09-29 |
| B23- 1 Li | 0.356 % | 559 mg/kg | 0.469 % |

Responsable :

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28758- 1 | 28758- 2 | 28758- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2001 | 2002 | 2003 |
| B23- 1 Analyse | 2009-09-29 | 2009-09-29 | 2009-09-29 |
| B23- 1 Li | < 50.0 mg/kg | 0.135 % | 658 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28758- 4 | 28758- 5 | 28758- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2004 | 2005 | 2006 |
| B23- 1 Analyse | 2009-09-29 | 2009-09-29 | 2009-09-29 |
| B23- 1 Li | 728 mg/kg | 793 mg/kg | 634 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28758- 7 | 28758- 8 | 28758- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2007 | 2008 | 2009 |
| B23- 1 Analyse | 2009-09-29 | 2009-09-29 | 2009-09-29 |
| B23- 1 Li | 0.594 % | 714 mg/kg | 143 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28758- 10 | 28758- 11 | 28758- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2010 | 2011 | 2012 |
| B23- 1 Analyse | 2009-09-29 | 2009-09-29 | 2009-09-29 |
| B23- 1 Li | 378 mg/kg | 0.613 % | 81.2 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28758- 13 | 28758- 14 | 28758- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2013 | 2014 | 2015 |
| B23- 1 Analyse | 2009-09-29 | 2009-09-29 | 2009-09-29 |
| B23- 1 Li | 78.5 mg/kg | 0.355 % | 0.352 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28758- 16 | 28758- 17 | 28758- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2016 | 2017 | 2018 |
| B23- 1 Analyse | 2009-09-29 | 2009-09-29 | 2009-09-29 |
| B23- 1 Li | 0.655 % | 0.838 % | 0.733 % |

COREM

## RAPPORT D´ANALYSE version 1

Votre référence ...: **LSA-2009-17**
2001 à 2020
Date de réception : **2009-09-24**
Certificat émis le .: **2009-09-29**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | | 28758- 19 | 28758- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 2019 | 2020 |
| B23- 1 Analyse | | 2009-09-29 | 2009-09-29 |
| B23- 1 Li | | 0.727 % | 0.121 % |

Responsable :

Bernard Montminy,chimiste,M.Sc.
Directeur adjoint à la réalisation technique

Ce rapport contient des renseignements protégés et confidentiels à l'intention du destinataire. Les résultats ne se rapportent qu'aux échantillons soumis à l'analyse. Cette version remplace et annule toute version antérieure, le cas échéant. * Analyse faite par un sous-traitant.

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COREM

**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
2021 à 2033
Date de réception : **2009-09-24**
Certificat émis le .: **2009-09-30**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28759- 1 | 28759- 2 | 28759- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2021 | 2022 | 2023 |
| B23- 1 Analyse | 2009-09-30 | 2009-09-30 | 2009-09-30 |
| B23- 1 Li | 177 mg/kg | 53.3 mg/kg | 69.3 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28759- 4 | 28759- 5 | 28759- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2024 | 2025 | 2026 |
| B23- 1 Analyse | 2009-09-30 | 2009-09-30 | 2009-09-30 |
| B23- 1 Li | 0.142 % | 0.534 % | 0.579 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28759- 7 | 28759- 8 | 28759- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2027 | 2028 | 2029 |
| B23- 1 Analyse | 2009-09-30 | 2009-09-30 | 2009-09-30 |
| B23- 1 Li | 0.257 % | 94.7 mg/kg | 79.4 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28759- 10 | 28759- 11 | 28759- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2030 | 2031 | 2032 |
| B23- 1 Analyse | 2009-09-30 | 2009-09-30 | 2009-09-30 |
| B23- 1 Li | 0.457 % | 0.576 % | 0.796 % |

| | |
|---|---|
| Numéro COREM : | 28759- 13 |
| Nature : | SOLIDES |
| Désignation : | 2033 |
| B23- 1 Analyse | 2009-09-30 |
| B23- 1 Li | 0.402 % |

Responsable :

Bernard Montminy,chimiste,M.Sc.
Directeur adjoint à la réalisation technique

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28767- 1 | 28767- 2 | 28767- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2055 | 2056 | 2057 |
| B23- 1 Analyse | 2009-09-30 | 2009-09-30 | 2009-09-30 |
| B23- 1 Li | 0.205 % | 0.479 % | 0.374 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28767- 4 | 28767- 5 | 28767- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2058 | 2059 | 2060 |
| B23- 1 Analyse | 2009-09-30 | 2009-09-30 | 2009-09-30 |
| B23- 1 Li | 0.818 % | 0.188 % | 145 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28767- 7 | 28767- 8 | 28767- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2061 | 2062 | 2063 |
| B23- 1 Analyse | 2009-09-30 | 2009-09-30 | 2009-09-30 |
| B23- 1 Li | 160 mg/kg | 115 mg/kg | 0.504 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28767- 10 | 28767- 11 | 28767- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2064 | 2065 | 2066 |
| B23- 1 Analyse | 2009-09-30 | 2009-09-30 | 2009-09-30 |
| B23- 1 Li | 0.699 % | 0.724 % | 0.692 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28767- 13 | 28767- 14 | 28767- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2067 | 2068 | 2069 |
| B23- 1 Analyse | 2009-09-30 | 2009-09-30 | 2009-09-30 |
| B23- 1 Li | 0.480 % | 0.574 % | 325 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28767- 16 | 28767- 17 | 28767- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2070 | 2071 | 2072 |
| B23- 1 Analyse | 2009-09-30 | 2009-09-30 | 2009-09-30 |
| B23- 1 Li | 0.595 % | 244 mg/kg | 58.0 mg/kg |

COREM

**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
2055 à 2074
Date de réception : **2009-09-24**
Certificat émis le .: **2009-09-30**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28767- 19 | 28767- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 2073 | 2074 |
| B23- 1 Analyse | | 2009-09-30 | 2009-09-30 |
| B23- 1 Li | | 0.195 % | 0.556 % |

Responsable :

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28768- 1 | 28768- 2 | 28768- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2075 | 2076 | 2077 |
| B23- 1 Analyse | 2009-09-30 | 2009-09-30 | 2009-09-30 |
| B23- 1 Li | 0.686 % | 0.203 % | 1.86 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28768- 4 | 28768- 5 | 28768- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2078 | 2079 | 2080 |
| B23- 1 Analyse | 2009-09-30 | 2009-09-30 | 2009-09-30 |
| B23- 1 Li | 0.797 % | 0.733 % | 0.110 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28768- 7 | 28768- 8 | 28768- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2081 | 2082 | 2083 |
| B23- 1 Analyse | 2009-09-30 | 2009-09-30 | 2009-09-30 |
| B23- 1 Li | 0.433 % | 0.310 % | < 50.0 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28768- 10 | 28768- 11 | 28768- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2084 | 2085 | 2086 |
| B23- 1 Analyse | 2009-09-30 | 2009-09-30 | 2009-09-30 |
| B23- 1 Li | 0.438 % | 0.747 % | 0.824 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28768- 13 | 28768- 14 | 28768- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2087 | 2088 | 2089 |
| B23- 1 Analyse | 2009-09-30 | 2009-09-30 | 2009-09-30 |
| B23- 1 Li | 0.594 % | 0.761 % | 107 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28768- 16 | 28768- 17 | 28768- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2090 | 2091 | 2092 |
| B23- 1 Analyse | 2009-09-30 | 2009-09-30 | 2009-09-30 |
| B23- 1 Li | 137 mg/kg | 0.382 % | 1.42 % |

COREM

**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
2075 à 2094
Date de réception : **2009-09-24**
Certificat émis le .: **2009-09-30**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28768- 19 | 28768- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 2093 | 2094 |
| B23- 1 Analyse | | 2009-09-30 | 2009-09-30 |
| B23- 1 Li | | 1.20 % | 0.595 % |

Responsable :

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Directeur adjoint à la réalisation technique

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**James McCann**
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| | | | |
|---|---|---|---|
| Numéro COREM : | 28769- 1 | 28769- 2 | 28769- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2095 | 2096 | 2097 |
| B23- 1 Analyse | 2009-09-30 | 2009-09-30 | 2009-09-30 |
| B23- 1 Li | 0.768 % | 0.192 % | 82.1 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28769- 4 | 28769- 5 | 28769- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2098 | 2099 | 2100 |
| B23- 1 Analyse | 2009-09-30 | 2009-09-30 | 2009-09-30 |
| B23- 1 Li | 673 mg/kg | 0.850 % | 0.705 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28769- 7 | 28769- 8 | 28769- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2101 | 2102 | 2103 |
| B23- 1 Analyse | 2009-09-30 | 2009-09-30 | 2009-09-30 |
| B23- 1 Li | 0.279 % | 0.551 % | 0.357 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28769- 10 | 28769- 11 | 28769- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2104 | 2105 | 2106 |
| B23- 1 Analyse | 2009-09-30 | 2009-09-30 | 2009-09-30 |
| B23- 1 Li | 1.20 % | 0.522 % | 0.644 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28769- 13 | 28769- 14 | 28769- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2107 | 2108 | 2109 |
| B23- 1 Analyse | 2009-09-30 | 2009-09-30 | 2009-09-30 |
| B23- 1 Li | 0.667 % | 0.800 % | 0.393 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28769- 16 | 28769- 17 | 28769- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2110 | 2111 | 2112 |
| B23- 1 Analyse | 2009-09-30 | 2009-09-30 | 2009-09-30 |
| B23- 1 Li | 0.944 % | 0.697 % | 0.748 % |

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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
2095 à 2114
Date de réception : **2009-09-24**
Certificat émis le .: **2009-09-30**

**James McCann**
**100563 Lithium One Inc.**

| | | |
|---|---|---|
| Numéro COREM : | 28769- 19 | 28769- 20 |
| Nature : | SOLIDES | SOLIDES |
| Désignation : | 2113 | 2114 |
| B23- 1 Analyse | 2009-09-30 | 2009-09-30 |
| B23- 1 Li | 0.784 % | 0.496 % |

Responsable :

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28770- 1 | 28770- 2 | 28770- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2115 | 2116 | 2117 |
| B23- 1 Analyse | 2009-09-30 | 2009-09-30 | 2009-09-30 |
| B23- 1 Li | 0.640 % | 127 mg/kg | 0.368 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28770- 4 | 28770- 5 | 28770- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2118 | 2119 | 2120 |
| B23- 1 Analyse | 2009-09-30 | 2009-09-30 | 2009-09-30 |
| B23- 1 Li | 0.648 % | < 50.0 mg/kg | 0.744 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28770- 7 | 28770- 8 | 28770- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2121 | 2122 | 2123 |
| B23- 1 Analyse | 2009-09-30 | 2009-10-01 | 2009-10-01 |
| B23- 1 Li | 0.779 % | 0.633 % | 0.991 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28770- 10 | 28770- 11 | 28770- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2124 | 2125 | 2126 |
| B23- 1 Analyse | 2009-10-01 | 2009-10-01 | 2009-10-01 |
| B23- 1 Li | 0.429 % | 0.675 % | 0.789 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28770- 13 | 28770- 14 | 28770- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2127 | 2128 | 2129 |
| B23- 1 Analyse | 2009-10-01 | 2009-10-01 | 2009-10-01 |
| B23- 1 Li | 1.01 % | 0.351 % | 124 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28770- 16 | 28770- 17 | 28770- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2130 | 2131 | 2132 |
| B23- 1 Analyse | 2009-10-01 | 2009-10-01 | 2009-10-01 |
| B23- 1 Li | 0.568 % | 0.305 % | 0.375 % |



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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
2115 à 2134
Date de réception : **2009-09-24**
Certificat émis le .: **2009-10-01**

**James McCann**
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| | | |
|---|---|---|
| Numéro COREM : | 28770- 19 | 28770- 20 |
| Nature : | SOLIDES | SOLIDES |
| Désignation : | 2133 | 2134 |
| B23- 1 Analyse | 2009-10-01 | 2009-10-01 |
| B23- 1 Li | 0.386 % | 0.855 % |

Responsable :

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# RAPPORT D'ANALYSE version 1

Votre référence ...: **LSA-2009-17**
2135 à 2146
Date de réception : **2009-09-24**
Certificat émis le .: **2009-10-01**

**James McCann**
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| | | | |
|---|---|---|---|
| Numéro COREM : | 28771- 1 | 28771- 2 | 28771- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2135 | 2136 | 2137 |
| B23- 1 Analyse | 2009-10-01 | 2009-10-01 | 2009-10-01 |
| B23- 1 Li | 0.391 % | 0.435 % | 0.677 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28771- 4 | 28771- 5 | 28771- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2138 | 2139 | 2140 |
| B23- 1 Analyse | 2009-10-01 | 2009-10-01 | 2009-10-01 |
| B23- 1 Li | 1.40 % | 1.04 % | 1.04 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28771- 7 | 28771- 8 | 28771- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2141 | 2142 | 2143 |
| B23- 1 Analyse | 2009-10-01 | 2009-10-01 | 2009-10-01 |
| B23- 1 Li | 0.526 % | 0.815 % | 0.389 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28771- 10 | 28771- 11 | 28771- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2144 | 2145 | 2146 |
| B23- 1 Analyse | 2009-10-01 | 2009-10-01 | 2009-10-01 |
| B23- 1 Li | 0.454 % | 0.588 % | 0.784 % |

Responsable :

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28783- 1 | 28783- 2 | 28783- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2147 | 2148 | 2149 |
| B23- 1 Analyse | 2009-10-01 | 2009-10-01 | 2009-10-01 |
| B23- 1 Li | 0.913 % | 0.838 % | 0.839 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28783- 4 | 28783- 5 | 28783- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2150 | 2151 | 2152 |
| B23- 1 Analyse | 2009-10-01 | 2009-10-01 | 2009-10-01 |
| B23- 1 Li | 0.372 % | 0.730 % | 0.638 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28783- 7 | 28783- 8 | 28783- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2153 | 2154 | 2155 |
| B23- 1 Analyse | 2009-10-01 | 2009-10-01 | 2009-10-01 |
| B23- 1 Li | 0.502 % | 0.970 % | 0.934 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28783- 10 | 28783- 11 | 28783- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2156 | 2157 | 2158 |
| B23- 1 Analyse | 2009-10-01 | 2009-10-01 | 2009-10-01 |
| B23- 1 Li | 0.503 % | 0.928 % | 0.707 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28783- 13 | 28783- 14 | 28783- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2159 | 2160 | 2161 |
| B23- 1 Analyse | 2009-10-01 | 2009-10-01 | 2009-10-01 |
| B23- 1 Li | 0.547 % | 0.801 % | < 50.0 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28783- 16 | 28783- 17 | 28783- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2162 | 2163 | 2164 |
| B23- 1 Analyse | 2009-10-01 | 2009-10-01 | 2009-10-01 |
| B23- 1 Li | 0.756 % | 0.574 % | 0.698 % |

COREM

**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
2055 à 2074
Date de réception : **2009-09-28**
Certificat émis le .: **2009-10-01**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28783- 19 | 28783- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 2165 | 2166 |
| B23- 1 Analyse | | 2009-10-01 | 2009-10-01 |
| B23- 1 Li | | 0.746 % | 0.442 % |

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28784- 1 | 28784- 2 | 28784- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2167 | 2168 | 2169 |
| B23- 1 Analyse | 2009-10-01 | 2009-10-01 | 2009-10-01 |
| B23- 1 Li | 0.915 % | 0.267 % | 0.626 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28784- 4 | 28784- 5 | 28784- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2170 | 2171 | 2172 |
| B23- 1 Analyse | 2009-10-01 | 2009-10-01 | 2009-10-01 |
| B23- 1 Li | 0.691 % | 0.264 % | 457 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28784- 7 | 28784- 8 | 28784- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2173 | 2174 | 2175 |
| B23- 1 Analyse | 2009-10-01 | 2009-10-01 | 2009-10-01 |
| B23- 1 Li | 0.615 % | 0.562 % | 1.54 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28784- 10 | 28784- 11 | 28784- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2176 | 2177 | 2178 |
| B23- 1 Analyse | 2009-10-01 | 2009-10-01 | 2009-10-01 |
| B23- 1 Li | 0.662 % | 0.502 % | 0.419 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28784- 13 | 28784- 14 | 28784- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2179 | 2180 | 2181 |
| B23- 1 Analyse | 2009-10-01 | 2009-10-01 | 2009-10-01 |
| B23- 1 Li | 0.671 % | 0.659 % | 0.626 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28784- 16 | 28784- 17 | 28784- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2182 | 2183 | 2184 |
| B23- 1 Analyse | 2009-10-01 | 2009-10-01 | 2009-10-01 |
| B23- 1 Li | 0.850 % | 0.514 % | 0.678 % |

COREM

**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
2055 à 2074
Date de réception : **2009-09-28**
Certificat émis le .: **2009-10-01**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28784- 19 | 28784- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 2185 | 2186 |
| B23- 1 Analyse | | 2009-10-01 | 2009-10-01 |
| B23- 1 Li | | 0.724 % | 0.688 % |

Responsable :

Bernard Montminy,chimiste,M.Sc.
Directeur adjoint à la réalisation technique

Ce rapport contient des renseignements protégés et confidentiels à l'intention du destinataire. Les résultats ne se rapportent qu'aux échantillons soumis à l'analyse. Cette version remplace et annule toute version antérieure, le cas échéant. * Analyse faite par un sous-traitant.

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28785- 1 | 28785- 2 | 28785- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2187 | 2188 | 2189 |
| B23- 1 Analyse | 2009-10-01 | 2009-10-01 | 2009-10-01 |
| B23- 1 Li | 0.567 % | 0.858 % | 0.794 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28785- 4 | 28785- 5 | 28785- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2190 | 2191 | 2192 |
| B23- 1 Analyse | 2009-10-01 | 2009-10-01 | 2009-10-02 |
| B23- 1 Li | 0.819 % | 0.812 % | 0.615 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28785- 7 | 28785- 8 | 28785- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2193 | 2194 | 2195 |
| B23- 1 Analyse | 2009-10-02 | 2009-10-02 | 2009-10-02 |
| B23- 1 Li | 0.547 % | 0.785 % | 0.869 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28785- 10 | 28785- 11 | 28785- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2196 | 2197 | 2198 |
| B23- 1 Analyse | 2009-10-02 | 2009-10-02 | 2009-10-02 |
| B23- 1 Li | 0.504 % | 0.420 % | 0.623 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28785- 13 | 28785- 14 | 28785- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2199 | 2200 | 2201 |
| B23- 1 Analyse | 2009-10-02 | 2009-10-02 | 2009-10-02 |
| B23- 1 Li | 0.690 % | < 50.0 mg/kg | 0.300 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28785- 16 | 28785- 17 | 28785- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2202 | 2203 | 2204 |
| B23- 1 Analyse | 2009-10-02 | 2009-10-02 | 2009-10-02 |
| B23- 1 Li | 0.464 % | 1.04 % | 0.242 % |



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Votre référence ...: **LSA-2009-17**
2055 à 2074
Date de réception : **2009-09-28**
Certificat émis le .: **2009-10-02**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28785- 19 | 28785- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 2205 | 2206 |
| B23- 1 Analyse | | 2009-10-02 | 2009-10-02 |
| B23- 1 Li | | 108 mg/kg | 215 mg/kg |

Responsable :

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**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28786- 1 | 28786- 2 | 28786- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2207 | 2208 | 2209 |
| B23- 1 Analyse | 2009-10-02 | 2009-10-02 | 2009-10-02 |
| B23- 1 Li | 0.496 % | 0.357 % | 0.699 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28786- 4 | 28786- 5 | 28786- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2210 | 2211 | 2212 |
| B23- 1 Analyse | 2009-10-02 | 2009-10-02 | 2009-10-02 |
| B23- 1 Li | 1.02 % | 0.380 % | 0.754 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28786- 7 | 28786- 8 | 28786- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2213 | 2214 | 2215 |
| B23- 1 Analyse | 2009-10-02 | 2009-10-02 | 2009-10-02 |
| B23- 1 Li | 0.422 % | 0.753 % | 0.722 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28786- 10 | 28786- 11 | 28786- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2216 | 2217 | 2218 |
| B23- 1 Analyse | 2009-10-02 | 2009-10-02 | 2009-10-02 |
| B23- 1 Li | 0.784 % | 0.629 % | 0.678 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28786- 13 | 28786- 14 | 28786- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2219 | 2220 | 2221 |
| B23- 1 Analyse | 2009-10-02 | 2009-10-02 | 2009-10-02 |
| B23- 1 Li | 0.601 % | 0.840 % | 0.711 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28786- 16 | 28786- 17 | 28786- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2222 | 2223 | 2224 |
| B23- 1 Analyse | 2009-10-02 | 2009-10-02 | 2009-10-02 |
| B23- 1 Li | 0.617 % | 0.850 % | 0.734 % |

COREM

**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
2055 à 2074
Date de réception : **2009-09-28**
Certificat émis le .: **2009-10-02**

**James McCann**
**100563 Lithium One Inc.**

| | | |
|---|---|---|
| Numéro COREM : | 28786- 19 | 28786- 20 |
| Nature : | SOLIDES | SOLIDES |
| Désignation : | 2225 | 2226 |
| B23- 1 Analyse | 2009-10-02 | 2009-10-02 |
| B23- 1 Li | 0.777 % | 0.851 % |

Responsable :

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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
2055 à 2074
Date de réception : **2009-09-28**
Certificat émis le .: **2009-10-02**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28787- 1 | 28787- 2 | 28787- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2227 | 2228 | 2229 |
| B23- 1 Analyse | 2009-10-02 | 2009-10-02 | 2009-10-02 |
| B23- 1 Li | 0.800 % | 0.903 % | 0.750 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28787- 4 | 28787- 5 | 28787- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2230 | 2231 | 2232 |
| B23- 1 Analyse | 2009-10-02 | 2009-10-02 | 2009-10-02 |
| B23- 1 Li | 0.378 % | 0.635 % | 0.851 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28787- 7 | 28787- 8 | 28787- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2233 | 2234 | 2235 |
| B23- 1 Analyse | 2009-10-02 | 2009-10-02 | 2009-10-02 |
| B23- 1 Li | 0.788 % | 0.851 % | 0.606 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28787- 10 | 28787- 11 | 28787- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2236 | 2237 | 2238 |
| B23- 1 Analyse | 2009-10-02 | 2009-10-02 | 2009-10-02 |
| B23- 1 Li | 0.181 % | 324 mg/kg | 0.458 % |

| | | |
|---|---|---|
| Numéro COREM : | 28787- 13 | 28787- 14 |
| Nature : | SOLIDES | SOLIDES |
| Désignation : | 2239 | 2240 |
| B23- 1 Analyse | 2009-10-02 | 2009-10-02 |
| B23- 1 Li | < 50.0 mg/kg | 0.641 % |

Responsable :

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28788- 1 | 28788- 2 | 28788- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2481 | 2482 | 2483 |
| B23- 1 Analyse | 2009-10-02 | 2009-10-02 | 2009-10-02 |
| B23- 1 Li | 0.899 % | 0.801 % | 0.359 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28788- 4 | 28788- 5 | 28788- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2484 | 2485 | 2486 |
| B23- 1 Analyse | 2009-10-02 | 2009-10-02 | 2009-10-02 |
| B23- 1 Li | 415 mg/kg | 0.443 % | 0.897 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28788- 7 | 28788- 8 | 28788- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2487 | 2488 | 2489 |
| B23- 1 Analyse | 2009-10-02 | 2009-10-02 | 2009-10-02 |
| B23- 1 Li | 1.41 % | 0.468 % | 0.564 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28788- 10 | 28788- 11 | 28788- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2490 | 2491 | 2492 |
| B23- 1 Analyse | 2009-10-02 | 2009-10-02 | 2009-10-02 |
| B23- 1 Li | 0.561 % | 0.586 % | 0.649 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28788- 13 | 28788- 14 | 28788- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2493 | 2494 | 2495 |
| B23- 1 Analyse | 2009-10-02 | 2009-10-02 | 2009-10-02 |
| B23- 1 Li | 0.300 % | 0.509 % | 0.442 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28788- 16 | 28788- 17 | 28788- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2496 | 2497 | 2498 |
| B23- 1 Analyse | 2009-10-02 | 2009-10-02 | 2009-10-02 |
| B23- 1 Li | 0.581 % | 0.973 % | 0.598 % |

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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
2055 à 2074
Date de réception : **2009-09-28**
Certificat émis le .: **2009-10-02**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28788- 19 | 28788- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 2499 | 2500 |
| B23- 1 Analyse | | 2009-10-02 | 2009-10-02 |
| B23- 1 Li | | 0.785 % | 0.412 % |

Responsable :

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|---|---|---|---|
| Numéro COREM : | 28789- 1 | 28789- 2 | 28789- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2501 | 2502 | 2503 |
| B23- 1 Analyse | 2009-10-02 | 2009-10-02 | 2009-10-02 |
| B23- 1 Li | 0.533 % | 0.613 % | 0.783 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28789- 4 | 28789- 5 | 28789- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2504 | 2505 | 2506 |
| B23- 1 Analyse | 2009-10-02 | 2009-10-02 | 2009-10-02 |
| B23- 1 Li | 0.792 % | 0.674 % | 0.351 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28789- 7 | 28789- 8 | 28789- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2507 | 2508 | 2509 |
| B23- 1 Analyse | 2009-10-02 | 2009-10-02 | 2009-10-02 |
| B23- 1 Li | 0.843 % | 0.885 % | 0.792 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28789- 10 | 28789- 11 | 28789- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2510 | 2511 | 2512 |
| B23- 1 Analyse | 2009-10-02 | 2009-10-02 | 2009-10-05 |
| B23- 1 Li | 0.737 % | 0.192 % | < 50.0 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28789- 13 | 28789- 14 | 28789- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2513 | 2514 | 2515 |
| B23- 1 Analyse | 2009-10-05 | 2009-10-05 | 2009-10-05 |
| B23- 1 Li | 0.466 % | 0.996 % | 1.72 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28789- 16 | 28789- 17 | 28789- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2516 | 2517 | 2518 |
| B23- 1 Analyse | 2009-10-05 | 2009-10-05 | 2009-10-05 |
| B23- 1 Li | 1.27 % | 0.102 % | 1.05 % |

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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
2055 à 2074
Date de réception : **2009-09-28**
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|---|---|---|---|
| Numéro COREM : | 28789- 19 | 28789- 20 | 28789- 21 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2519 | 2520 | 0985 |
| B23- 1 Analyse | 2009-10-05 | 2009-10-05 | 2009-10-05 |
| B23- 1 Li | 0.535 % | 0.410 % | 0.624 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28789- 22 | 28789- 23 | 28789- 24 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0986 | 568835 | 568836 |
| B23- 1 Analyse | 2009-10-05 | 2009-10-05 | 2009-10-05 |
| B23- 1 Li | 0.806 % | < 50.0 mg/kg | 0.328 % |

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|---|---|---|---|
| Numéro COREM : | 28798- 1 | 28798- 2 | 28798- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2241 | 2242 | 2243 |
| B23- 1 Analyse | 2009-10-05 | 2009-10-05 | 2009-10-05 |
| B23- 1 Li | 0.729 % | 0.953 % | 0.489 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28798- 4 | 28798- 5 | 28798- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2244 | 2245 | 2246 |
| B23- 1 Analyse | 2009-10-05 | 2009-10-05 | 2009-10-05 |
| B23- 1 Li | 0.611 % | 0.414 % | 0.869 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28798- 7 | 28798- 8 | 28798- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2247 | 2248 | 2249 |
| B23- 1 Analyse | 2009-10-05 | 2009-10-05 | 2009-10-05 |
| B23- 1 Li | 0.480 % | 0.907 % | 0.850 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28798- 10 | 28798- 11 | 28798- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2250 | 2251 | 2252 |
| B23- 1 Analyse | 2009-10-05 | 2009-10-05 | 2009-10-05 |
| B23- 1 Li | 0.592 % | 0.466 % | 1.24 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28798- 13 | 28798- 14 | 28798- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2253 | 2254 | 2255 |
| B23- 1 Analyse | 2009-10-05 | 2009-10-05 | 2009-10-05 |
| B23- 1 Li | < 50.0 mg/kg | 0.139 % | 0.370 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28798- 16 | 28798- 17 | 28798- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2256 | 2257 | 2258 |
| B23- 1 Analyse | 2009-10-05 | 2009-10-05 | 2009-10-05 |
| B23- 1 Li | 0.385 % | 0.340 % | 0.869 % |



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Votre référence ...: **LSA-2009-17**
2241 à 2260
Date de réception : **2009-09-28**
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|---|---|---|---|
| Numéro COREM | : | 28798- 19 | 28798- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 2259 | 2260 |
| B23- 1 Analyse | | 2009-10-05 | 2009-10-05 |
| B23- 1 Li | | 0.778 % | 0.824 % |

Responsable :

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|---|---|---|---|
| Numéro COREM : | 28799- 1 | 28799- 2 | 28799- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2261 | 2262 | 2263 |
| B23- 1 Analyse | 2009-10-05 | 2009-10-05 | 2009-10-05 |
| B23- 1 Li | 0.397 % | 273 mg/kg | 0.526 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28799- 4 | 28799- 5 | 28799- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2264 | 2265 | 2266 |
| B23- 1 Analyse | 2009-10-05 | 2009-10-05 | 2009-10-05 |
| B23- 1 Li | 0.122 % | 244 mg/kg | 128 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28799- 7 | 28799- 8 | 28799- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2267 | 2268 | 2269 |
| B23- 1 Analyse | 2009-10-05 | 2009-10-05 | 2009-10-05 |
| B23- 1 Li | 0.101 % | 0.176 % | 626 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28799- 10 | 28799- 11 | 28799- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2270 | 2271 | 2272 |
| B23- 1 Analyse | 2009-10-05 | 2009-10-05 | 2009-10-05 |
| B23- 1 Li | 0.619 % | 0.339 % | 0.847 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28799- 13 | 28799- 14 | 28799- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2273 | 2274 | 2275 |
| B23- 1 Analyse | 2009-10-05 | 2009-10-05 | 2009-10-05 |
| B23- 1 Li | 0.289 % | 0.447 % | 0.446 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28799- 16 | 28799- 17 | 28799- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2276 | 2277 | 2278 |
| B23- 1 Analyse | 2009-10-05 | 2009-10-05 | 2009-10-05 |
| B23- 1 Li | 169 mg/kg | 0.755 % | 0.771 % |

COREM

**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
2261 à 2280
Date de réception : **2009-09-28**
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| | | | |
|---|---|---|---|
| Numéro COREM | : | 28799- 19 | 28799- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 2279 | 2280 |
| B23- 1 Analyse | | 2009-10-05 | 2009-10-05 |
| B23- 1 Li | | 0.506 % | 0.299 % |

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|---|---|---|---|
| Numéro COREM : | 28800- 1 | 28800- 2 | 28800- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2281 | 2282 | 2283 |
| B23- 1 Analyse | 2009-10-05 | 2009-10-05 | 2009-10-05 |
| B23- 1 Li | 297 mg/kg | 0.406 % | < 50.0 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28800- 4 | 28800- 5 | 28800- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2284 | 2285 | 2286 |
| B23- 1 Analyse | 2009-10-05 | 2009-10-05 | 2009-10-05 |
| B23- 1 Li | 0.894 % | 0.731 % | 0.672 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28800- 7 | 28800- 8 | 28800- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2287 | 2288 | 2289 |
| B23- 1 Analyse | 2009-10-05 | 2009-10-05 | 2009-10-05 |
| B23- 1 Li | 0.743 % | 1.02 % | 0.609 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28800- 10 | 28800- 11 | 28800- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2290 | 2291 | 2292 |
| B23- 1 Analyse | 2009-10-05 | 2009-10-05 | 2009-10-05 |
| B23- 1 Li | 1.03 % | 0.753 % | 0.997 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28800- 13 | 28800- 14 | 28800- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2293 | 2294 | 2295 |
| B23- 1 Analyse | 2009-10-05 | 2009-10-05 | 2009-10-05 |
| B23- 1 Li | 0.514 % | 0.647 % | 0.625 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28800- 16 | 28800- 17 | 28800- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2296 | 2297 | 2298 |
| B23- 1 Analyse | 2009-10-05 | 2009-10-05 | 2009-10-05 |
| B23- 1 Li | 0.632 % | 0.838 % | 0.668 % |



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2281 à 2300
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|---|---|---|---|
| Numéro COREM : | | 28800- 19 | 28800- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 2299 | 2300 |
| B23- 1 Analyse | | 2009-10-05 | 2009-10-05 |
| B23- 1 Li | | 0.293 % | 0.530 % |

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| | | | |
|---|---|---|---|
| Numéro COREM : | 28801- 1 | 28801- 2 | 28801- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2301 | 2302 | 2303 |
| B23- 1 Analyse | 2009-10-05 | 2009-10-05 | 2009-10-05 |
| B23- 1 Li | 0.431 % | 703 mg/kg | 137 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28801- 4 | 28801- 5 | 28801- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2304 | 2305 | 2306 |
| B23- 1 Analyse | 2009-10-05 | 2009-10-05 | 2009-10-05 |
| B23- 1 Li | 0.188 % | 0.906 % | 0.436 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28801- 7 | 28801- 8 | 28801- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2307 | 2308 | 2309 |
| B23- 1 Analyse | 2009-10-05 | 2009-10-06 | 2009-10-06 |
| B23- 1 Li | 0.795 % | 0.532 % | 0.884 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28801- 10 | 28801- 11 | 28801- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2310 | 2311 | 2312 |
| B23- 1 Analyse | 2009-10-06 | 2009-10-06 | 2009-10-06 |
| B23- 1 Li | 0.524 % | 0.712 % | 0.892 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28801- 13 | 28801- 14 | 28801- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2313 | 2314 | 2315 |
| B23- 1 Analyse | 2009-10-06 | 2009-10-06 | 2009-10-06 |
| B23- 1 Li | 0.378 % | 0.766 % | 0.563 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28801- 16 | 28801- 17 | 28801- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2316 | 2317 | 2318 |
| B23- 1 Analyse | 2009-10-06 | 2009-10-06 | 2009-10-06 |
| B23- 1 Li | 0.547 % | 58.3 mg/kg | 120 mg/kg |

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Votre référence ...: **LSA-2009-17**
2301 à 2320
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|---|---|---|---|
| Numéro COREM | : | 28801- 19 | 28801- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 2319 | 2320 |
| B23- 1 Analyse | | 2009-10-06 | 2009-10-06 |
| B23- 1 Li | | 0.141 % | 0.776 % |

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|---|---|---|---|
| Numéro COREM : | 28802- 1 | 28802- 2 | 28802- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2321 | 2322 | 2323 |
| B23- 1 Analyse | 2009-10-06 | 2009-10-06 | 2009-10-06 |
| B23- 1 Li | < 50.0 mg/kg | 0.718 % | 0.672 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28802- 4 | 28802- 5 | 28802- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2324 | 2325 | 2326 |
| B23- 1 Analyse | 2009-10-06 | 2009-10-06 | 2009-10-06 |
| B23- 1 Li | 0.331 % | 0.604 % | 0.866 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28802- 7 | 28802- 8 | 28802- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2327 | 2328 | 2329 |
| B23- 1 Analyse | 2009-10-06 | 2009-10-06 | 2009-10-06 |
| B23- 1 Li | 0.569 % | 0.748 % | 0.760 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28802- 10 | 28802- 11 | 28802- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2330 | 2331 | 2332 |
| B23- 1 Analyse | 2009-10-06 | 2009-10-06 | 2009-10-06 |
| B23- 1 Li | 0.612 % | 0.715 % | 0.584 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28802- 13 | 28802- 14 | 28802- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2333 | 2334 | 2335 |
| B23- 1 Analyse | 2009-10-06 | 2009-10-06 | 2009-10-06 |
| B23- 1 Li | 0.802 % | 0.339 % | 0.695 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28802- 16 | 28802- 17 | 28802- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2336 | 2337 | 2338 |
| B23- 1 Analyse | 2009-10-06 | 2009-10-06 | 2009-10-06 |
| B23- 1 Li | 0.667 % | 0.997 % | 0.612 % |

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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
2321 à 2340
Date de réception : **2009-09-28**
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|---|---|---|---|
| Numéro COREM | : | 28802- 19 | 28802- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 2339 | 2340 |
| B23- 1 Analyse | | 2009-10-06 | 2009-10-06 |
| B23- 1 Li | | 0.747 % | 0.323 % |

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|---|---|---|---|
| Numéro COREM : | 28803- 1 | 28803- 2 | 28803- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2341 | 2342 | 2343 |
| B23- 1 Analyse | 2009-10-06 | 2009-10-06 | 2009-10-06 |
| B23- 1 Li | 472 mg/kg | 0.667 % | 0.527 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28803- 4 | 28803- 5 | 28803- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2344 | 2345 | 2346 |
| B23- 1 Analyse | 2009-10-06 | 2009-10-06 | 2009-10-06 |
| B23- 1 Li | 0.377 % | < 50.0 mg/kg | 0.884 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28803- 7 | 28803- 8 | 28803- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2347 | 2348 | 2349 |
| B23- 1 Analyse | 2009-10-06 | 2009-10-06 | 2009-10-06 |
| B23- 1 Li | 0.533 % | 0.797 % | 0.612 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28803- 10 | 28803- 11 | 28803- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2350 | 2351 | 2352 |
| B23- 1 Analyse | 2009-10-06 | 2009-10-06 | 2009-10-06 |
| B23- 1 Li | 0.884 % | 0.547 % | 0.409 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28803- 13 | 28803- 14 | 28803- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2353 | 2354 | 2355 |
| B23- 1 Analyse | 2009-10-06 | 2009-10-06 | 2009-10-06 |
| B23- 1 Li | 0.652 % | 0.578 % | 0.743 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28803- 16 | 28803- 17 | 28803- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2356 | 2357 | 2358 |
| B23- 1 Analyse | 2009-10-06 | 2009-10-06 | 2009-10-06 |
| B23- 1 Li | 0.807 % | 0.754 % | 0.771 % |

COREM

**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
2341 à 2360
Date de réception : **2009-09-28**
Certificat émis le .: **2009-10-06**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28803- 19 | 28803- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 2359 | 2360 |
| B23- 1 Analyse | | 2009-10-06 | 2009-10-06 |
| B23- 1 Li | | 0.568 % | < 50.0 mg/kg |

Responsable :

Bernard Montminy,chimiste,M.Sc.
Directeur adjoint à la réalisation technique

Ce rapport contient des renseignements protégés et confidentiels à l'intention du destinataire. Les résultats ne se rapportent qu'aux échantillons soumis à l'analyse. Cette version remplace et annule toute version antérieure, le cas échéant. * Analyse faite par un sous-traitant.

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28804- 1 | 28804- 2 | 28804- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2361 | 2362 | 2363 |
| B23- 1 Analyse | 2009-10-06 | 2009-10-06 | 2009-10-06 |
| B23- 1 Li | 0.537 % | 0.561 % | 0.425 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28804- 4 | 28804- 5 | 28804- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2364 | 2365 | 2366 |
| B23- 1 Analyse | 2009-10-06 | 2009-10-06 | 2009-10-06 |
| B23- 1 Li | 0.509 % | 0.592 % | 0.171 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28804- 7 | 28804- 8 | 28804- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2367 | 2368 | 2369 |
| B23- 1 Analyse | 2009-10-06 | 2009-10-06 | 2009-10-06 |
| B23- 1 Li | 0.449 % | 0.194 % | 0.391 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28804- 10 | 28804- 11 | 28804- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2370 | 2371 | 2372 |
| B23- 1 Analyse | 2009-10-06 | 2009-10-06 | 2009-10-06 |
| B23- 1 Li | 125 mg/kg | 0.890 % | 0.736 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28804- 13 | 28804- 14 | 28804- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2373 | 2374 | 2375 |
| B23- 1 Analyse | 2009-10-06 | 2009-10-06 | 2009-10-06 |
| B23- 1 Li | 0.964 % | 0.770 % | 0.820 % |

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|---|---|---|---|
| Numéro COREM : | 28804- 16 | 28804- 17 | 28804- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2376 | 2377 | 2378 |
| B23- 1 Analyse | 2009-10-06 | 2009-10-06 | 2009-10-06 |
| B23- 1 Li | 0.484 % | 122 mg/kg | 167 mg/kg |



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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
2361 à 2380
Date de réception : **2009-09-28**
Certificat émis le .: **2009-10-06**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28804- 19 | 28804- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 2379 | 2380 |
| B23- 1 Analyse | | 2009-10-06 | 2009-10-06 |
| B23- 1 Li | | 126 mg/kg | 206 mg/kg |

Responsable :

Bernard Montminy, chimiste, M.Sc.
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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
2381 `2395 +279652/RP + 2
Date de réception : **2009-09-28**
Certificat émis le .: **2009-10-07**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28805- 1 | 28805- 2 | 28805- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2381 | 2382 | 2383 |
| B23- 1 Analyse | 2009-10-06 | 2009-10-06 | 2009-10-06 |
| B23- 1 Li | 132 mg/kg | 0.731 % | 0.793 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28805- 4 | 28805- 5 | 28805- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2384 | 2385 | 2386 |
| B23- 1 Analyse | 2009-10-06 | 2009-10-06 | 2009-10-06 |
| B23- 1 Li | 0.734 % | 0.647 % | 0.498 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28805- 7 | 28805- 8 | 28805- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2387 | 2388 | 2389 |
| B23- 1 Analyse | 2009-10-06 | 2009-10-07 | 2009-10-07 |
| B23- 1 Li | 0.347 % | 0.410 % | 0.525 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28805- 10 | 28805- 11 | 28805- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2390 | 2391 | 2392 |
| B23- 1 Analyse | 2009-10-07 | 2009-10-07 | 2009-10-07 |
| B23- 1 Li | 0.815 % | 0.389 % | 0.811 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28805- 13 | 28805- 14 | 28805- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2393 | 2394 | 2395 |
| B23- 1 Analyse | 2009-10-07 | 2009-10-07 | 2009-10-07 |
| B23- 1 Li | 0.928 % | 0.780 % | 0.710 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28805- 16 | 28805- 17 | 28805- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279652RP | 279750RP | 279790RP |
| B23- 1 Analyse | 2009-10-07 | 2009-10-07 | 2009-10-07 |
| B23- 1 Li | 0.154 % | 0.500 % | 0.770 % |

Responsable :

Bernard Montminy,chimiste,M.Sc.
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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28818- 1 | 28818- 2 | 28818- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2396 | 2397 | 2398 |
| B23- 1 Analyse | 2009-10-07 | 2009-10-07 | 2009-10-07 |
| B23- 1 Li | 0.595 % | 0.812 % | 0.512 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28818- 4 | 28818- 5 | 28818- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2399 | 2400 | 2521 |
| B23- 1 Analyse | 2009-10-07 | 2009-10-07 | 2009-10-07 |
| B23- 1 Li | 1.38 % | 0.640 % | 0.309 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28818- 7 | 28818- 8 | 28818- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2522 | 2523 | 2524 |
| B23- 1 Analyse | 2009-10-07 | 2009-10-07 | 2009-10-07 |
| B23- 1 Li | 0.384 % | 0.977 % | 0.784 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28818- 10 | 28818- 11 | 28818- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2525 | 2526 | 2527 |
| B23- 1 Analyse | 2009-10-07 | 2009-10-07 | 2009-10-07 |
| B23- 1 Li | 0.976 % | 0.694 % | 0.495 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28818- 13 | 28818- 14 | 28818- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2528 | 2529 | 2530 |
| B23- 1 Analyse | 2009-10-07 | 2009-10-07 | 2009-10-07 |
| B23- 1 Li | < 50.0 mg/kg | 90.8 mg/kg | 0.315 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28818- 16 | 28818- 17 | 28818- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2531 | 2532 | 2533 |
| B23- 1 Analyse | 2009-10-07 | 2009-10-07 | 2009-10-07 |
| B23- 1 Li | 290 mg/kg | 566 mg/kg | 0.768 % |

COREM

**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
2396 à 2400 + 2521 à 2535
Date de réception : **2009-09-29**
Certificat émis le .: **2009-10-07**

**James McCann**
**100563 Lithium One Inc.**

| | | |
|---|---|---|
| Numéro COREM : | 28818- 19 | 28818- 20 |
| Nature : | SOLIDES | SOLIDES |
| Désignation : | 2534 | 2535 |
| B23- 1 Analyse | 2009-10-07 | 2009-10-07 |
| B23- 1 Li | 0.484 % | 0.505 % |

Responsable :

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28819- 1 | 28819- 2 | 28819- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2536 | 2537 | 2538 |
| B23- 1 Analyse | 2009-10-07 | 2009-10-07 | 2009-10-07 |
| B23- 1 Li | 0.547 % | 0.628 % | 1.52 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28819- 4 | 28819- 5 | 28819- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2539 | 2540 | 2541 |
| B23- 1 Analyse | 2009-10-07 | 2009-10-07 | 2009-10-07 |
| B23- 1 Li | 1.26 % | 0.760 % | 0.817 % |

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|---|---|---|---|
| Numéro COREM : | 28819- 7 | 28819- 8 | 28819- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2542 | 2543 | 2544 |
| B23- 1 Analyse | 2009-10-07 | 2009-10-07 | 2009-10-07 |
| B23- 1 Li | 0.616 % | 0.714 % | 0.727 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28819- 10 | 28819- 11 | 28819- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2545 | 2546 | 2547 |
| B23- 1 Analyse | 2009-10-07 | 2009-10-07 | 2009-10-07 |
| B23- 1 Li | 0.591 % | 0.857 % | 0.978 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28819- 13 | 28819- 14 | 28819- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2548 | 2549 | 2550 |
| B23- 1 Analyse | 2009-10-07 | 2009-10-07 | 2009-10-07 |
| B23- 1 Li | 1.19 % | 0.837 % | 1.51 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28819- 16 | 28819- 17 | 28819- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2551 | 2552 | 2553 |
| B23- 1 Analyse | 2009-10-07 | 2009-10-07 | 2009-10-07 |
| B23- 1 Li | < 50.0 mg/kg | 1.58 % | 1.21 % |

COREM

# RAPPORT D'ANALYSE version 1

Votre référence ...: **LSA-2009-17**
2536 à 2555
Date de réception : **2009-09-29**
Certificat émis le .: **2009-10-07**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | | 28819- 19 | 28819- 20 |
| Nature : | | SOLIDES | SOLIDES |
| Désignation : | | 2554 | 2555 |
| B23- 1 | Analyse | 2009-10-07 | 2009-10-07 |
| B23- 1 | Li | 0.701 % | 0.708 % |

Responsable :

Bernard Montminy,chimiste,M.Sc.
Directeur adjoint à la réalisation technique

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28820- 1 | 28820- 2 | 28820- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2556 | 2557 | 2558 |
| B23- 1 Analyse | 2009-10-07 | 2009-10-07 | 2009-10-07 |
| B23- 1 Li | 0.881 % | 0.841 % | 1.01 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28820- 4 | 28820- 5 | 28820- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2559 | 2560 | 2561 |
| B23- 1 Analyse | 2009-10-07 | 2009-10-07 | 2009-10-07 |
| B23- 1 Li | 0.430 % | 0.654 % | 0.413 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28820- 7 | 28820- 8 | 28820- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2562 | 2563 | 2564 |
| B23- 1 Analyse | 2009-10-07 | 2009-10-07 | 2009-10-07 |
| B23- 1 Li | 0.969 % | 0.616 % | 0.847 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28820- 10 | 28820- 11 | 28820- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2565 | 2566 | 2567 |
| B23- 1 Analyse | 2009-10-07 | 2009-10-07 | 2009-10-07 |
| B23- 1 Li | 0.782 % | 77.2 mg/kg | 89.8 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28820- 13 | 28820- 14 | 28820- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2568 | 2569 | 2570 |
| B23- 1 Analyse | 2009-10-07 | 2009-10-07 | 2009-10-07 |
| B23- 1 Li | 182 mg/kg | 59.7 mg/kg | 131 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28820- 16 | 28820- 17 | 28820- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2571 | 2572 | 2573 |
| B23- 1 Analyse | 2009-10-07 | 2009-10-07 | 2009-10-07 |
| B23- 1 Li | 142 mg/kg | 159 mg/kg | 143 mg/kg |

COREM

**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
2556 à 2575
Date de réception : **2009-09-29**
Certificat émis le .: **2009-10-07**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28820- 19 | 28820- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 2574 | 2575 |
| B23- 1 Analyse | | 2009-10-07 | 2009-10-07 |
| B23- 1 Li | | 104 mg/kg | 180 mg/kg |

Responsable :

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28821- 1 | 28821- 2 | 28821- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2576 | 2577 | 2578 |
| B23- 1 Analyse | 2009-10-07 | 2009-10-07 | 2009-10-07 |
| B23- 1 Li | 154 mg/kg | 0.385 % | 0.249 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28821- 4 | 28821- 5 | 28821- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2579 | 2580 | 2581 |
| B23- 1 Analyse | 2009-10-07 | 2009-10-07 | 2009-10-07 |
| B23- 1 Li | 0.647 % | 0.545 % | 0.378 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28821- 7 | 28821- 8 | 28821- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2582 | 2583 | 2584 |
| B23- 1 Analyse | 2009-10-07 | 2009-10-07 | 2009-10-07 |
| B23- 1 Li | 0.750 % | 0.984 % | 0.769 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28821- 10 | 28821- 11 | 28821- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2585 | 2586 | 2587 |
| B23- 1 Analyse | 2009-10-08 | 2009-10-08 | 2009-10-08 |
| B23- 1 Li | 0.697 % | 0.831 % | 0.817 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28821- 13 | 28821- 14 | 28821- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2588 | 2589 | 2590 |
| B23- 1 Analyse | 2009-10-08 | 2009-10-08 | 2009-10-08 |
| B23- 1 Li | 0.639 % | 611 mg/kg | 0.648 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28821- 16 | 28821- 17 | 28821- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2591 | 2592 | 2593 |
| B23- 1 Analyse | 2009-10-08 | 2009-10-08 | 2009-10-08 |
| B23- 1 Li | 0.830 % | 0.217 % | < 50.0 mg/kg |

COREM

**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
2576 à 2594
Date de réception : **2009-09-29**
Certificat émis le .: **2009-10-08**

**James McCann**
**100563 Lithium One Inc.**

| | | |
|---|---|---|
| Numéro COREM | : | 28821- 19 |
| Nature | : | SOLIDES |
| Désignation | : | 2594 |

| | | |
|---|---|---|
| B23- 1 | Analyse | 2009-10-08 |
| B23- 1 | Li | 0.367 % |

Responsable :

Bernard Montminy, chimiste, M.Sc.
Directeur adjoint à la réalisation technique



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COREM

**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
0987 à 0993 + 568837 à 56
Date de réception : **2009-09-29**
Certificat émis le .: **2009-10-08**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28822- 1 | 28822- 2 | 28822- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0987 | 0988 | 0989 |
| B23- 1 Analyse | 2009-10-08 | 2009-10-08 | 2009-10-08 |
| B23- 1 Li | 0.648 % | 369 mg/kg | 0.634 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28822- 4 | 28822- 5 | 28822- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0990 | 0991 | 0992 |
| B23- 1 Analyse | 2009-10-08 | 2009-10-08 | 2009-10-08 |
| B23- 1 Li | 0.687 % | 231 mg/kg | 1.27 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28822- 7 | 28822- 8 | 28822- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 0993 | 568837 | 568838 |
| B23- 1 Analyse | 2009-10-08 | 2009-10-08 | 2009-10-08 |
| B23- 1 Li | 0.920 % | 0.320 % | 0.109 % |

| | |
|---|---|
| Numéro COREM : | 28822- 10 |
| Nature : | SOLIDES |
| Désignation : | 568839 |
| B23- 1 Analyse | 2009-10-08 |
| B23- 1 Li | 147 mg/kg |

Responsable :

Bernard Montminy, chimiste, M.Sc.
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COREM

**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
1702RP +1738RP à 1740RP +
Date de réception : **2009-09-29**
Certificat émis le .: **2009-10-08**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28823- 1 | 28823- 2 | 28823- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1702RP | 1738RP | 1739RP |
| B23- 1 Analyse | 2009-10-08 | 2009-10-08 | 2009-10-08 |
| B23- 1 Li | < 50.0 mg/kg | 0.677 % | < 50.0 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28823- 4 | 28823- 5 | 28823- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1740RP | 1749RP | 1750RP |
| B23- 1 Analyse | 2009-10-08 | 2009-10-08 | 2009-10-08 |
| B23- 1 Li | 214 mg/kg | 0.350 % | 0.739 % |

Responsable :

Bernard Montminy,chimiste,M.Sc.
Directeur adjoint à la réalisation technique



**COREM**
1180, rue de la Minéralogie, Québec (Québec) Canada G1N 1X7
Téléphone : (418) 527-8211 Télécopieur : (418) 527-4818

COREM

**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
1513 RP +568825 RP
Date de réception : **2009-10-05**
Certificat émis le .: **2009-10-08**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28880- 1 | 28880- 2 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 1513 RP | 568825 RP |
| B23- 1 Analyse | | 2009-10-08 | 2009-10-08 |
| B23- 1 Li | | 0.713 % | 524 mg/kg |

Responsable :

Bernard Montminy, chimiste, M.Sc.
Directeur adjoint à la réalisation technique



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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
2253 RP
Date de réception : **2009-10-08**
Certificat émis le .: **2009-10-15**

**James McCann**
**100563 Lithium One Inc.**

| | | |
|---|---|---|
| Numéro COREM | : | 28916- 1 |
| Nature | : | SOLIDES |
| Désignation | : | 2253 RP |

| | | |
|---|---|---|
| B23- 1 | Analyse | 2009-10-15 |
| B23- 1 | Li | 0.941 % |

Responsable :

Bernard Montminy,chimiste,M.Sc.
Directeur adjoint à la réalisation technique

Ce rapport contient des renseignements protégés et confidentiels à l'intention du destinataire. Les résultats ne se rapportent qu'aux échantillons soumis à l'analyse. Cette version remplace et annule toute version antérieure, le cas échéant. * Analyse faite par un sous-traitant.

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COREM

**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
2345 RP
Date de réception : **2009-10-09**
Certificat émis le .: **2009-10-15**

**James McCann**
**100563 Lithium One Inc.**

| | | |
|---|---|---|
| Numéro COREM | : | 28931- 1 |
| Nature | : | SOLIDES |
| Désignation | : | 2345 RP |

| | | |
|---|---|---|
| B23- 1 | Analyse | 2009-10-15 |
| B23- 1 | Li | 0.647 % |

Responsable :

Bernard Montminy, chimiste, M.Sc.
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COREM

**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
2528 RP
Date de réception : **2009-10-20**
Certificat émis le .: **2009-10-22**

**James McCann**
**100563 Lithium One Inc.**

| | | |
|---|---|---|
| Numéro COREM | : | 29015- 1 |
| Nature | : | SOLIDES |
| Désignation | : | 2528 RP |

| | | |
|---|---|---|
| B23- 1 | Analyse | 2009-10-22 |
| B23- 1 | Li | < 50.0 mg/kg |

Responsable :

Bernard Montminy, chimiste, M.Sc.
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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**

**James McCann**
**100563 Lithium One Inc.**

Date de réception : **2009-10-26**
Certificat émis le .: **2009-10-28**

| | | | |
|---|---|---|---|
| Numéro COREM : | 29073- 1 | 29073- 2 | 29073- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753320 Reprise | 753410 Reprise | 415 Reprise |
| B23- 1 Analyse | 2009-10-28 | 2009-10-28 | 2009-10-28 |
| B23- 1 Li | 0.345 % | < 50.0 mg/kg | < 50.0 mg/kg |

Responsable :

Bernard Montminy, chimiste, M.Sc.
Directeur adjoint à la réalisation technique



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COREM

**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
Reprises
Date de réception : **2009-10-26**
Certificat émis le .: **2009-10-28**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 29075- 1 | 29075- 2 | 29075- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1092 RP | 1170 RP | 753319 RP |
| B23- 1 Analyse | 2009-10-28 | 2009-10-28 | 2009-10-28 |
| B23- 1 Li | 0.395 % | 0.590 % | 0.723 % |

| | | |
|---|---|---|
| Numéro COREM : | 29075- 4 | 29075- 5 |
| Nature : | SOLIDES | SOLIDES |
| Désignation : | 2101 RP | 2103 Rp |
| B23- 1 Analyse | 2009-10-28 | 2009-10-28 |
| B23- 1 Li | 0.175 % | 0.265 % |

Responsable :

Bernard Montminy,chimiste,M.Sc.
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## ANNEX 4: List of Certificates SGS & Drill hole check assays

| SGS-Lakefield | | | | SGS-Lakefield | | |
|---|---|---|---|---|---|---|
| Assay | Assay # | Certificate # | | Assay | Assay # | Certificate # |
| (#) | from-to | | | (#) | from-to | |
| Check Assays on (pulp) | | | | | Check Assays on | (reject) |
| 16 | 1088-1103 | SGS_CA02275 | | 42 | 279939-279980 | SGS_CA02423 |
| 3 | 1735-1737 | SGS_CA02275 | | 8 | 753005-753012 | SGS_CA02423 |
| 7 | 1748-1754 | SGS_CA02275 | | 12 | 753471-753482 | SGS_CA02423 |
| 14 | 2241-2254 | SGS_CA02275 | | 50 | 2701-2750 | SGS_CA02436 |
| 14 | 2556-2565 | SGS_CA02275 | | 50 | 2601-2650 | SGS_CA02437 |
| 27 | 779-805 | SGS_CA02420 | | 43 | 2801-2843 | SGS_CA02438 |
| 6 | 1061-1066 | SGS_CA02420 | | 43 | 2651-2700 | SGS_CA02439 |
| 20 | 1088-1107 | SGS_CA02420 | | 50 | 2751-2800 | SGS_CA02441 |
| 8 | 1727-1734 | SGS_CA02421 | | 1 | 2253rp | SGS_CA02897 |
| 9 | 1755-1763 | SGS_CA02421 | | 1 | 2345rp | SGS_CA02897 |
| 15 | 2240-2254 | SGS_CA02421 | | 1 | 279652rp | SGS_CA02897 |
| 11 | 2342-2352 | SGS_CA02421 | | 2 | 2346-2347rp | SGS_CA03092 |
| 35 | 2531-2565 | SGS_CA02422 | | | | |
| 6 | 279647-279652 | SGS_CA02422 | | | | |
| 14 | 279804-279817 | SGS_CA02422 | | | | |

**SGS Lakefield Research Limited**
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**Lithium One Inc**
Attn : James McCann

1380 Ave des Gouverneurs
Quebec, QC
G1T2G5, Canada

Phone: 418-655-3500
Fax:

Friday, February 05, 2010

**Date Rec. :** 11 January 2010
**LR Report :** **CA02275-JAN10**

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID | Li % |
|---|---|
| 1: 1088 | 0.087 |
| 2: 1089 | 1.01 |
| 3: 1090 | 0.94 |
| 4: 1091 | 0.98 |
| 5: 1092 | 0.48 |
| 6: 1093 | 0.62 |
| 7: 1094 | 0.40 |
| 8: 1095 | 1.07 |
| 9: 1096 | 0.69 |
| 10: 1097 | 0.93 |
| 11: 1098 | 0.91 |
| 12: 1099 | 0.83 |
| 13: 1100 | 0.33 |
| 14: 1101 | 0.92 |
| 15: 1102 | 0.82 |
| 16: 1103 | 0.71 |
| 17: 1735 | 0.70 |
| 18: 1736 | 0.32 |
| 19: 1737 | 0.31 |
| 20: 1748 | 0.014 |
| 21: 1749 | 0.41 |
| 22: 1750 | 0.82 |
| 23: 1751 | 1.36 |
| 24: 1752 | 1.03 |
| 25: 1753 | 1.01 |
| 26: 1754 | 0.91 |
| 27: 2241 | 0.82 |
| 28: 2242 | 1.10 |

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**LR Report :** **CA02275-JAN10**

| Sample ID | Li % |
|---|---|
| 29: 2243 | 0.56 |
| 30: 2244 | 0.71 |
| 31: 2245 | 0.49 |
| 32: 2246 | 1.03 |
| 33: 2247 | 0.57 |
| 34: 2248 | 1.03 |
| 35: 2249 | 0.97 |
| 36: 2250 | 0.67 |
| 37: 2251 | 0.53 |
| 38: 2252 | 1.32 |
| 39: 2253 | 0.004 |
| 40: 2254 | 0.16 |
| 41: 2556 | 0.89 |
| 42: 2557 | 0.87 |
| 43: 2558 | 1.05 |
| 44: 2559 | 0.46 |
| 45: 2560 | 0.66 |
| 46: 2561 | 0.42 |
| 47: 2562 | 1.00 |
| 48: 2563 | 0.65 |
| 49: 2564 | 0.89 |
| 50: 2565 | 0.83 |
| 51-DUP: 1748 | 0.014 |
| 52-DUP: 2254 | 0.16 |

Control quality assays - not suitable for commercial exchange

*Nicole Mozola, B.Sc. (Eng)*
*Project Coordinator*
*Mineral Services, Analytical*

**Email:** james.mccann@videotron.ca

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Tuesday, February 16, 2010

**Date Rec. :** 09 February 2010
**LR Report :** **CA02420-FEB10**
**Client Ref :** Re-assay of CA02810-NOV09

# CERTIFICATE OF ANALYSIS

## Final Report - Revised

| Sample ID | Li % |
|---|---|
| 1: 779 | 0.44 |
| 2: 780 | 0.73 |
| 3: 781 | 0.82 |
| 4: 782 | < 0.001 |
| 5: 783 | 1.36 |
| 6: 784 | 0.32 |
| 7: 785 | 0.76 |
| 8: 786 | 0.23 |
| 9: 787 | 0.40 |
| 10: 788 | 0.88 |
| 11: 789 | 0.058 |
| 12: 790 | 0.065 |
| 13: 791 | 0.67 |
| 14: 792 | 0.40 |
| 15: 793 | 0.46 |
| 16: 794 | 0.55 |
| 17: 795 | 0.72 |
| 18: 796 | 0.81 |
| 19: 797 | 0.69 |
| 20: 798 | 0.17 |
| 21: 799 | 0.77 |
| 22: 800 | 0.97 |
| 23: 801 | 0.17 |
| 24: 802 | 0.56 |
| 25: 803 | 1.77 |
| 26: 804 | 0.23 |

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**LR Report :** **CA02420-FEB10**

| Sample ID | Li % |
|---|---|
| 27: 805 | 0.014 |
| 28: 1061 | 0.20 |
| 29: 1062 | 0.96 |
| 30: 1063 | 0.80 |
| 31: 1064 | 0.35 |
| 32: 1065 | 0.60 |
| 33: 1066 | 0.033 |
| 34: 1088 | ---LNR |
| 35: 1089 | ---LNR |
| 36: 1090 | ---LNR |
| 37: 1091 | ---LNR |
| 38: 1092 | ---LNR |
| 39: 1093 | ---LNR |
| 40: 1094 | ---LNR |
| 41: 1095 | ---LNR |
| 42: 1096 | ---LNR |
| 43: 1097 | ---LNR |
| 44: 1098 | ---LNR |
| 45: 1099 | ---LNR |
| 46: 1100 | ---LNR |
| 47: 1101 | ---LNR |
| 48: 1102 | ---LNR |
| 49: 1103 | ---LNR |
| 50: 1104 | 1.03 |
| 51: 1105 | 0.67 |
| 52: 1106 | 1.02 |
| 53: 1107 | 0.43 |
| 54-DUP: 798 | 0.17 |
| 56: NBS-181 | 2.96 |
| 57: NIST-98b | 0.022 |
| 58: NBS-183 | 1.90 |
| 59: NIST-97b | 0.055 |
| 60: Fusion Blank | < 0.001 |

(---LNR) Listed Not Received

Release notes
This reports supersedes previous SGS COA ref CA02810-NOV09 issued 15-DEC-09

*Ken Maley, B.Sc., C. Chem*

OnLine LIMS

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**LR Report :** **CA02420-FEB10**

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Tuesday, February 16, 2010

**Date Rec. :** 09 February 2010
**LR Report :** **CA02421-FEB10**
**Client Ref :** Re-assay of CA02811-NOV09

# CERTIFICATE OF ANALYSIS

## Final Report - Revised

| Sample ID | Li % |
|---|---|
| 1: 1727 | 0.42 |
| 2: 1728 | 0.69 |
| 3: 1729 | 0.47 |
| 4: 1730 | 0.81 |
| 5: 1731 | 0.97 |
| 6: 1732 | 1.13 |
| 7: 1733 | 0.35 |
| 8: 1734 | 0.92 |
| 9: 1735 | ---LNR |
| 10: 1736 | ---LNR |
| 11: 1737 | ---LNR |
| 12: 1748 | ---LNR |
| 13: 1749 | ---LNR |
| 14: 1750 | ---LNR |
| 15: 1751 | ---LNR |
| 16: 1752 | ---LNR |
| 17: 1753 | ---LNR |
| 18: 1754 | ---LNR |
| 19: 1755 | 0.72 |
| 20: 1756 | 0.43 |
| 21: 1757 | 0.54 |
| 22: 1758 | 0.56 |
| 23: 1759 | 0.088 |
| 24: 1760 | 1.54 |
| 25: 1761 | 0.39 |
| 26: 1762 | 0.34 |

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**LR Report :** **CA02421-FEB10**

| Sample ID | Li % |
|---|---|
| 27: 1763 | 0.40 |
| 28: 2240 | 0.74 |
| 29: 2241 | ---LNR |
| 30: 2242 | ---LNR |
| 31: 2243 | ---LNR |
| 32: 2244 | ---LNR |
| 33: 2245 | ---LNR |
| 34: 2246 | ---LNR |
| 35: 2247 | ---LNR |
| 36: 2248 | ---LNR |
| 37: 2249 | ---LNR |
| 38: 2250 | ---LNR |
| 39: 2251 | ---LNR |
| 40: 2252 | ---LNR |
| 41: 2253 | ---LNR |
| 42: 2254 | ---LNR |
| 43: 2342 | 0.77 |
| 44: 2343 | 0.59 |
| 45: 2344 | 0.43 |
| 46: 2345 | 0.001 |
| 47: 2346 | 0.97 |
| 48: 2347 | 0.60 |
| 49: 2348 | 0.90 |
| 50: 2349 | 0.69 |
| 51: 2350 | 1.02 |
| 52: 2351 | 0.63 |
| 53: 2352 | 0.48 |
| 54-DUP: 1756 | 0.43 |
| 56: NIST-98b | 0.021 |
| 57: NBS-183 | 1.91 |
| 58: NBS-181 | 2.95 |
| 59: NIST-97b | 0.055 |
| 60: Fusion Blank | < 0.001 |

(---LNR) Listed Not Received

Release notes
This report supersedes previous SGS COA ref CA02811-NOV09 issued 15-DEC-09

Ken Maley, B.Sc., C. Chem

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**LR Report :** **CA02421-FEB10**

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Tuesday, February 16, 2010

**Date Rec. :** 09 February 2010
**LR Report :** **CA02422-FEB10**
**Client Ref :** Re-assay of CA02812-NOV09

# CERTIFICATE OF ANALYSIS

## Final Report - Revised

| Sample ID | Li % |
|---|---|
| 1: 2531 | 0.044 |
| 2: 2532 | 0.086 |
| 3: 2533 | 0.92 |
| 4: 2534 | 0.55 |
| 5: 2535 | 0.58 |
| 6: 2536 | 0.62 |
| 7: 2537 | 0.71 |
| 8: 2538 | 1.61 |
| 9: 2539 | 1.36 |
| 10: 2540 | 0.81 |
| 11: 2541 | 0.90 |
| 12: 2542 | 0.68 |
| 13: 2543 | 0.78 |
| 14: 2544 | 0.81 |
| 15: 2545 | 0.61 |
| 16: 2546 | 0.88 |
| 17: 2547 | 1.00 |
| 18: 2548 | 1.22 |
| 19: 2549 | 0.86 |
| 20: 2550 | 1.50 |
| 21: 2551 | < 0.001 |
| 22: 2552 | 1.55 |
| 23: 2553 | 1.24 |
| 24: 2554 | 0.71 |
| 25: 2555 | 0.68 |
| 26: 2556 | ---LNR |

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**LR Report :** **CA02422-FEB10**

| Sample ID | Li % |
|---|---|
| 27: 2557 | ---LNR |
| 28: 2558 | ---LNR |
| 29: 2559 | ---LNR |
| 30: 2560 | ---LNR |
| 31: 2561 | ---LNR |
| 32: 2562 | ---LNR |
| 33: 2563 | ---LNR |
| 34: 2564 | ---LNR |
| 35: 2565 | ---LNR |
| 36: 279647 | 0.99 |
| 37: 279648 | 0.73 |
| 38: 279649 | 0.93 |
| 39: 279650 | < 0.001 |
| 40: 279651 | 0.16 |
| 41: 279652 | 0.001 |
| 42: 279804 | 0.015 |
| 43: 279805 | 0.72 |
| 44: 279806 | 0.99 |
| 45: 279807 | 1.14 |
| 46: 279808 | 0.93 |
| 47: 279809 | 0.51 |
| 48: 279810 | < 0.001 |
| 49: 279811 | 0.87 |
| 50: 279812 | 1.16 |
| 51: 279813 | 0.60 |
| 52: 279814 | 0.21 |
| 53: 279815 | 0.68 |
| 54: 279816 | 0.88 |
| 55: 279817 | 0.47 |
| 56-DUP: 2550 | 1.50 |
| 57-DUP: 279651 | 0.16 |
| 58: NBS-181 | 2.97 |
| 59: NIST 98b | 0.021 |
| 60: NBS-183 | 1.89 |
| 61: NIST-97b | 0.054 |
| 62: Fusion Blank | < 0.001 |

(---LNR) Listed Not Received

Release notes
This report supersedes previous SGS COA ref CA02812-NOV09 issued 30-DEC-09

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February 22, 2010

**Date Rec. :** 09 February 2010
**LR Report :** **CA02423-FEB10**
**Client Ref :** Re-assay of CA02813-NOV09

# CERTIFICATE OF ANALYSIS

## Final Report - Revised

| Sample ID | Li % | Li % |
|---|---|---|
| 1: 279939 | 0.92 | --- |
| 2: 279940 | 0.40 | --- |
| 3: 279941 | 0.78 | --- |
| 4: 279942 | 1.00 | --- |
| 5: 279943 | 0.85 | --- |
| 6: 279944 | 0.84 | --- |
| 7: 279945 | 0.90 | --- |
| 8: 279946 | 1.03 | --- |
| 9: 279947 | 0.91 | --- |
| 10: 279948 | 1.10 | --- |
| 11: 279949 | 0.69 | --- |
| 12: 279950 | 0.72 | --- |
| 13: 279951 | 0.62 | --- |
| 14: 279952 | 0.98 | --- |
| 15: 279953 | 0.94 | --- |
| 16: 279954 | 0.94 | --- |
| 17: 279955 | 0.89 | --- |
| 18: 279956 | 0.77 | --- |
| 19: 279957 | 0.49 | --- |
| 20: 279958 | 0.56 | --- |
| 21: 279959 | 0.61 | --- |
| 22: 279960 | 0.66 | --- |
| 23: 279961 | 0.33 | --- |
| 24: 279962 | 0.77 | 0.77 |
| 25: 279963 | 1.09 | --- |
| 26: 279964 | 0.42 | --- |
| 27: 279965 | 1.08 | --- |
| 28: 279966 | 0.41 | --- |

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**LR Report :** **CA02423-FEB10**

| Sample ID | Li % | Li % |
|---|---|---|
| 29: 279967 | 0.43 | --- |
| 30: 279968 | 0.46 | --- |
| 31: 279969 | 0.16 | --- |
| 32: 279970 | < 0.001 | --- |
| 33: 279971 | 0.65 | --- |
| 34: 279972 | 0.97 | --- |
| 35: 279973 | 0.98 | --- |
| 36: 279974 | 0.58 | --- |
| 37: 279975 | 0.94 | --- |
| 38: 279976 | 0.58 | --- |
| 39: 279977 | 0.80 | --- |
| 40: 279978 | 1.31 | --- |
| 41: 279979 | 0.59 | --- |
| 42: 279980 | 0.42 | --- |
| 43: 753005 | 0.73 | --- |
| 44: 753006 | 0.87 | --- |
| 45: 753007 | 0.53 | --- |
| 46: 753008 | 1.07 | --- |
| 47: 753009 | 1.00 | --- |
| 48: 753010 | < 0.001 | --- |
| 49: 753011 | 0.84 | 0.85 |
| 50: 753012 | 0.79 | 0.79 |
| 51: 753471 | 0.20 | --- |
| 52: 753472 | 0.31 | --- |
| 53: 753473 | 0.76 | --- |
| 54: 753474 | 0.83 | --- |
| 55: 753475 | 1.06 | --- |
| 56: 753476 | 1.10 | --- |
| 57: 753477 | 1.44 | --- |
| 58: 753478 | 2.10 | --- |
| 59: 753479 | 1.33 | --- |
| 60: 753480 | 0.68 | --- |
| 61: 753481 | 0.16 | --- |
| 62: 753482 | 0.16 | --- |
| 63-DUP: 279958 | 0.56 | --- |
| 64-DUP: 279978 | 1.31 | --- |
| 65-DUP: 753480 | 0.68 | --- |
| 66: NBS 181 | 2.96 | --- |
| 67: NBS 183 | 1.91 | --- |
| 68: NIST-97b | 0.055 | --- |
| 69: NIST-98b | 0.022 | --- |
| 70: Fusion Blank | < 0.001 | --- |
| 71: NBS 181 | 2.98 | --- |
| 72: NBS 183 | 1.91 | --- |
| 73: NIST 97b | 0.055 | --- |

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**SGS Lakefield Research Limited**
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

**LR Report :** **CA02423-FEB10**

| Sample ID | Li % | Li % |
|---|---|---|
| 74: NIST 98b | 0.022 | --- |

Release notes:
This report supersedes previous SGS COA ref CA02813-NOV09 issued 07-Jan-10

*Ken Maley, B.Sc., C. Chem*
*Operation Manager, Minerals*

**Email:** james.mccann@videotron.ca

OnLine LIMS

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**Lithium One Inc**
Attn : James McCann

1380 Ave des Gouverneurs, Quebec
Canada, G1T2G5
Phone: 418-655-3500, Fax:

February 22, 2010

**Date Rec. :** 09 February 2010
**LR Report :** **CA02436-FEB10**
**Client Ref :** Re-assay of CA02034-DEC09

# CERTIFICATE OF ANALYSIS

## Final Report - Revised

| Sample ID | Li % |
|---|---|
| 1: 2701 | 0.56 |
| 2: 2702 | 1.04 |
| 3: 2703 | 0.95 |
| 4: 2704 | 0.67 |
| 5: 2705 | 0.56 |
| 6: 2706 | 1.35 |
| 7: 2707 | 1.06 |
| 8: 2708 | 0.14 |
| 9: 2709 | 0.043 |
| 10: 2710 | 0.11 |
| 11: 2711 | 0.94 |
| 12: 2712 | 0.56 |
| 13: 2713 | 0.59 |
| 14: 2714 | 0.61 |
| 15: 2715 | 0.63 |
| 16: 2716 | 1.61 |
| 17: 2717 | 1.63 |
| 18: 2718 | 1.31 |
| 19: 2719 | 0.81 |
| 20: 2720 | 0.88 |
| 21: 2721 | 0.68 |
| 22: 2722 | 0.81 |
| 23: 2723 | 0.86 |
| 24: 2724 | 0.64 |
| 25: 2725 | 0.90 |
| 26: 2726 | 0.98 |
| 27: 2727 | 1.11 |
| 28: 2728 | 0.83 |

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Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

**LR Report :** **CA02436-FEB10**

| Sample ID | Li % |
|---|---|
| 29: 2729 | 1.49 |
| 30: 2730 | < 0.001 |
| 31: 2731 | 1.59 |
| 32: 2732 | 1.21 |
| 33: 2733 | 0.71 |
| 34: 2734 | 0.76 |
| 35: 2735 | 0.96 |
| 36: 2736 | 0.88 |
| 37: 2737 | 1.05 |
| 38: 2738 | 0.48 |
| 39: 2739 | 0.67 |
| 40: 2740 | 0.41 |
| 41: 2741 | 0.93 |
| 42: 2742 | 0.77 |
| 43: 2743 | 0.77 |
| 44: 2744 | 0.61 |
| 45: 2745 | 0.40 |
| 46: 2746 | 0.68 |
| 47: 2747 | 0.72 |
| 48: 2748 | 1.01 |
| 49: 2749 | 0.63 |
| 50: 2750 | 0.89 |
| 51-DUP: 2720 | 0.88 |
| 52-DUP: 2740 | 0.43 |
| 53: NBS-181 | 2.97 |
| 54: NBS-183 | 1.90 |
| 55: NIST-97b | 0.055 |
| 56: Fusion Blank | < 0.001 |
| 57: NBS-181 | 2.96 |
| 58: NBS-183 | 1.90 |
| 59: NIST-98b | 0.022 |
| 60: Fusion Blank | < 0.001 |

This report supersedes previous SGS COA ref CA02034-Dec09 issued 08-Jan-10

*Ken Maley, B.Sc., C. Chem*
*Operation Manager, Minerals*

**Email:** james.mccann@videotron.ca

OnLine LIMS

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Attn : James McCann

1380 Ave des Gouverneurs, Quebec
Canada, G1T2G5
Phone: 418-655-3500, Fax:

Tuesday, February 23, 2010

**Date Rec. :** 09 February 2010
**LR Report :** **CA02437-FEB10**
**Client Ref :** Re-assay of CA02025-DEC09

# CERTIFICATE OF ANALYSIS

## Final Report - Reassays; Revised

| Sample ID | Li % |
|---|---|
| 1: 2601 | 0.53 |
| 2: 2602 | 0.71 |
| 3: 2603 | 0.71 |
| 4: 2604 | 0.84 |
| 5: 2605 | < 0.001 |
| 6: 2606 | 1.42 |
| 7: 2607 | 0.42 |
| 8: 2608 | 0.72 |
| 9: 2609 | 0.24 |
| 10: 2610 | 0.42 |
| 11: 2611 | 0.84 |
| 12: 2612 | 0.060 |
| 13: 2613 | 0.082 |
| 14: 2614 | 0.41 |
| 15: 2615 | 0.34 |
| 16: 2616 | 0.35 |
| 17: 2617 | 0.62 |
| 18: 2618 | 0.80 |
| 19: 2619 | 0.91 |
| 20: 2620 | 0.65 |
| 21: 2621 | 0.16 |
| 22: 2622 | 0.71 |
| 23: 2623 | 1.00 |
| 24: 2624 | 0.17 |
| 25: 2625 | 0.50 |
| 26: 2626 | 1.74 |

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Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

**LR Report :** **CA02437-FEB10**

| Sample ID | Li % |
|---|---|
| 27: 2627 | 1.68 |
| 28: 2628 | 0.25 |
| 29: 2629 | 0.020 |
| 30: 2630 | 0.18 |
| 31: 2631 | 0.99 |
| 32: 2632 | 0.69 |
| 33: 2633 | 0.81 |
| 34: 2634 | < 0.001 |
| 35: 2635 | 0.31 |
| 36: 2636 | 0.61 |
| 37: 2637 | 0.040 |
| 38: 2638 | 0.42 |
| 39: 2639 | 0.68 |
| 40: 2640 | 0.46 |
| 41: 2641 | 0.77 |
| 42: 2642 | 0.96 |
| 43: 2643 | 1.17 |
| 44: 2644 | 0.36 |
| 45: 2645 | 0.94 |
| 46: 2646 | 0.71 |
| 47: 2647 | 0.70 |
| 48: 2648 | 0.37 |
| 49: 2649 | 0.34 |
| 50: 2650 | 0.013 |
| 51-DUP: 2620 | 0.65 |
| 52-DUP: 2640 | 0.46 |
| 53: NBS-181 | 2.97 |
| 54: NBS-183 | 1.89 |
| 55: NIST-97b | 0.055 |
| 56: NIST-98b | 0.022 |
| 57: Fusion Blank | < 0.001 |
| 58: NBS-181 | 2.95 |
| 59: NBS-183 | 1.89 |
| 60: NIST-97b | 0.055 |
| 61: NIST-98b | 0.022 |
| 62: Fusion Blank | < 0.001 |

OnLine LIMS

**SGS Lakefield Research Limited**
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

**LR Report :** **CA02437-FEB10**

This report supersedes previous SGS COA ref CA02025-Dec09 issued 8-Jan-10 and CA02437-FEB10 issued 22-Feb-10
Report reissued with corrected original report date

*Nicole Mozola, B.Sc. (Eng)*
*Project Coordinator*
*Mineral Services, Analytical*

**Email:** james.mccann@videotron.ca

OnLine LIMS

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**Lithium One Inc**
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1380 Ave des Gouverneurs, Quebec
Canada, G1T2G5
Phone: 418-655-3500, Fax:

Tuesday, February 23, 2010

**Date Rec. :** 09 February 2010
**LR Report :** **CA02438-FEB10**
**Client Ref :** Re-assay of CA02036-DEC09

# CERTIFICATE OF ANALYSIS

## Final Report - Revised

| Sample ID | Li % | Li % |
|---|---|---|
| 1: 2801 | 1.10 | --- |
| 2: 2802 | 0.43 | --- |
| 3: 2803 | 0.44 | --- |
| 4: 2804 | 0.46 | --- |
| 5: 2805 | 0.19 | --- |
| 6: 2806 | < 0.001 | --- |
| 7: 2807 | 0.67 | --- |
| 8: 2808 | 0.91 | --- |
| 9: 2809 | 0.97 | --- |
| 10: 2810 | 0.63 | --- |
| 11: 2811 | 0.95 | --- |
| 12: 2812 | 0.59 | 0.58 |
| 13: 2813 | 0.85 | --- |
| 14: 2814 | 1.28 | --- |
| 15: 2815 | 0.51 | --- |
| 16: 2816 | < 0.001 | --- |
| 17: 2817 | 0.61 | --- |
| 18: 2818 | 0.59 | --- |
| 19: 2819 | 0.88 | --- |
| 20: 2820 | 0.65 | --- |
| 21: 2821 | 0.97 | --- |
| 22: 2822 | 0.72 | --- |
| 23: 2823 | < 0.001 | --- |
| 24: 2824 | 0.89 | --- |
| 25: 2825 | 1.03 | --- |
| 26: 2826 | 0.20 | --- |
| 27: 2827 | 0.37 | --- |
| 28: 2828 | 0.81 | --- |
| 29: 2829 | 0.84 | --- |
| 30: 2830 | 1.10 | --- |

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Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

**LR Report :** **CA02438-FEB10**

| Sample ID | Li % | Li % |
|---|---|---|
| 31: 2831 | 1.10 | --- |
| 32: 2832 | 1.49 | --- |
| 33: 2833 | 2.20 | --- |
| 34: 2834 | 1.38 | --- |
| 35: 2835 | 1.35 | --- |
| 36: 2836 | 0.69 | --- |
| 37: 2837 | 0.22 | --- |
| 38: 2838 | 0.18 | --- |
| 39: 2839 | 0.63 | --- |
| 40: 2840 | 0.97 | --- |
| 41: 2841 | 0.81 | --- |
| 42: 2842 | 0.66 | --- |
| 43: 2843 | 0.45 | --- |
| 44-DUP: 2820 | 0.64 | --- |
| 45-DUP: 2840 | 0.97 | --- |
| 46: NBS 181 | 2.97 | --- |
| 47: NBS 183 | 1.86 | --- |
| 48: NIST 97b | 0.055 | --- |
| 49: NIST 98b | 0.021 | --- |
| 50: Fusion Blank | < 0.001 | --- |
| 51: NBS 181 | 2.95 | --- |
| 52: NBS 183 | 1.90 | --- |
| 53: Fusion Blank | < 0.001 | --- |

This report supersedes previous SGS COA ref CA02036-Dec09 issued 14-Jan-10

*Ken Maley, B.Sc., C. Chem*
*Operation Manager, Minerals*

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OnLine LIMS

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Phone: 418-655-3500, Fax:

Tuesday, February 23, 2010

**Date Rec. :** 09 February 2010
**LR Report :** **CA02439-FEB10**
**Client Ref :** Re-assay of CA02033-DEC09

# CERTIFICATE OF ANALYSIS

## Final Report - Revised

| Sample ID | Li % | Li % |
|---|---|---|
| 1: 2651 | 0.42 | --- |
| 2: 2652 | 0.83 | --- |
| 3: 2653 | 1.39 | --- |
| 4: 2654 | 1.39 | --- |
| 5: 2655 | 1.13 | --- |
| 6: 2656 | 1.01 | --- |
| 7: 2657 | 0.87 | --- |
| 8: 2658 | 0.76 | --- |
| 9: 2659 | 0.44 | --- |
| 10: 2660 | 0.55 | --- |
| 11: 2661 | 0.56 | --- |
| 12: 2662 | 0.084 | --- |
| 13: 2663 | 1.54 | 1.51 |
| 14: 2664 | 0.68 | --- |
| 15: 2665 | 0.37 | --- |
| 16: 2666 | 0.35 | --- |
| 17: 2667 | 0.41 | --- |
| 18: 2668 | 0.10 | --- |
| 19: 2669 | 0.98 | --- |
| 20: 2670 | 1.02 | --- |
| 21: 2671 | 0.94 | --- |
| 22: 2672 | < 0.001 | --- |
| 23: 2673 | 0.46 | --- |
| 24: 2674 | 0.65 | --- |
| 25: 2675 | 0.42 | --- |
| 26: 2676 | 1.05 | --- |
| 27: 2677 | 0.71 | --- |
| 28: 2678 | 1.02 | --- |
| 29: 2679 | 0.86 | --- |
| 30: 2680 | 0.80 | --- |

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**SGS Lakefield Research Limited**
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Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

**LR Report :** **CA02439-FEB10**

| Sample ID | Li % | Li % |
|---|---|---|
| 31: 2681 | 0.68 | --- |
| 32: 2682 | 0.37 | --- |
| 33: 2683 | 0.95 | --- |
| 34: 2684 | 0.87 | --- |
| 35: 2685 | 0.87 | --- |
| 36: 2686 | 0.69 | --- |
| 37: 2687 | 1.00 | --- |
| 38: 2688 | 0.69 | --- |
| 39: 2689 | 0.98 | --- |
| 40: 2690 | 0.41 | --- |
| 41: 2691 | 0.78 | --- |
| 42: 2692 | 0.78 | --- |
| 43: 2693 | 0.88 | --- |
| 44: 2694 | 1.08 | --- |
| 45: 2695 | 0.53 | --- |
| 46: 2696 | 0.76 | --- |
| 47: 2697 | 0.48 | --- |
| 48: 2698 | < 0.001 | --- |
| 49: 2699 | 1.03 | --- |
| 50: 2700 | 0.41 | --- |
| 51-DUP: 2670 | 1.02 | --- |
| 52-DUP: 2690 | 0.41 | --- |
| 53: NBS 181 | 2.97 | --- |
| 54: NBS 183 | 1.87 | --- |
| 55: NIST 79b | 0.055 | --- |
| 56: Fusion Blank | < 0.001 | --- |
| 57: NBS 181 | 2.96 | --- |
| 58: NBS 183 | 1.87 | --- |
| 59: NIST 79b | 0.055 | --- |
| 60: Fusion Blank | < 0.001 | --- |

This report supersedes previous SGS COA ref CA02033-Dec09 issued 14-Jan-10

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OnLine LIMS

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Canada, G1T2G5
Phone: 418-655-3500, Fax:

Tuesday, February 23, 2010

**Date Rec. :** 09 February 2010
**LR Report :** **CA02441-FEB10**
**Client Ref :** Re-assay of CA02035-DEC09

# CERTIFICATE OF ANALYSIS

## Final Report - Revised

| Sample ID | Li % |
|---|---|
| 1: 2751 | 0.68 |
| 2: 2752 | 0.96 |
| 3: 2753 | 1.02 |
| 4: 2754 | 0.78 |
| 5: 2755 | 0.97 |
| 6: 2756 | < 0.001 |
| 7: 2757 | 0.81 |
| 8: 2758 | 0.16 |
| 9: 2759 | 0.015 |
| 10: 2760 | 0.69 |
| 11: 2761 | 0.93 |
| 12: 2762 | 1.14 |
| 13: 2763 | 0.91 |
| 14: 2764 | 0.51 |
| 15: 2765 | < 0.001 |
| 16: 2766 | 0.90 |
| 17: 2767 | 1.14 |
| 18: 2768 | 0.58 |
| 19: 2769 | 0.23 |
| 20: 2770 | 0.22 |
| 21: 2771 | 0.73 |
| 22: 2772 | 0.92 |
| 23: 2773 | 0.44 |
| 24: 2774 | 0.94 |
| 25: 2775 | 0.50 |
| 26: 2776 | 0.73 |
| 27: 2777 | 1.03 |
| 28: 2778 | 0.90 |
| 29: 2779 | 0.87 |
| 30: 2780 | 0.92 |

OnLine LIMS

**SGS Lakefield Research Limited**
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

**LR Report :** **CA02441-FEB10**

| Sample ID | Li % |
|---|---|
| 31: 2781 | 1.02 |
| 32: 2782 | 0.88 |
| 33: 2783 | 1.08 |
| 34: 2784 | 0.76 |
| 35: 2785 | 0.75 |
| 36: 2786 | 0.68 |
| 37: 2787 | 1.01 |
| 38: 2788 | 0.96 |
| 39: 2789 | 0.97 |
| 40: 2790 | 0.91 |
| 41: 2791 | 0.78 |
| 42: 2792 | 0.79 |
| 43: 2793 | 0.49 |
| 44: 2794 | 0.54 |
| 45: 2795 | 0.66 |
| 46: 2796 | 0.69 |
| 47: 2797 | 0.41 |
| 48: 2798 | 0.71 |
| 49: 2799 | 1.01 |
| 50: 2800 | 0.41 |
| 51-DUP: 2770 | 0.22 |
| 52-DUP: 2790 | 0.91 |
| 53: NBS 181 | 2.97 |
| 54: NBS 183 | 1.90 |
| 55: NIST 97b | 0.055 |
| 56: Fusion Blank | < 0.001 |
| 57: NBS 181 | 2.99 |
| 58: NBS 183 | 1.90 |
| 59: NIST 98b | 0.022 |
| 60: Fusion Blank | < 0.001 |

This report supersedes previous SGS COA ref CA02035-Dec09 issued 14-Jan-10

*Ken Maley, B.Sc., C. Chem*
*Operation Manager, Minerals*

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OnLine LIMS

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**Lithium One Inc**
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G1T2G5, Canada

Phone: 418-655-3500
Fax:

Thursday, February 11, 2010

**Date Rec. :** 22 January 2010
**LR Report :** **CA02897-JAN10**

# CERTIFICATE OF ANALYSIS

| Sample ID | Li % |
|---|---|
| 1: 2253rp | 1.06 |
| 2: 2345rp | 0.71 |
| 3: 279652rp | 0.17 |
| 4-STD: NBS-181 AAS | 2.92 |

*Ken Maley, B.Sc., C. Chem*
*Operation Manager, Minerals*

**Email:** james.mccann@videotron.ca

OnLine LIMS

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**Lithium One Inc**
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1380 Ave des Gouverneurs
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G1T2G5, Canada

Phone: 418-655-3500
Fax:

Friday, February 05, 2010

**Date Rec. :** 27 January 2010
**LR Report :** **CA03092-JAN10**
**Client Ref :** Re-assay

# CERTIFICATE OF ANALYSIS

| Sample ID | Li % |
|---|---|
| 1: 2346 | 0.94 |
| 2: 2347 | 0.58 |

Repeated assay report superseding results for these samples reported under SGS ref. CA02811-NOV09 15-DEC-09

*Ken Maley, B.Sc., C. Chem*
*Operation Manager, Minerals*

**Email:** james.mccann@videotron.ca

OnLine LIMS

## ANNEX 5: List of Certificates ALS & Drill hole check assays

ALS Lithium assays

| | ALS-CHEMEX | |
|---|---|---|
| Assay | Assay # | Certificate # |
| (#) | from-to | |
| Check Assays on (pulp) | | |
| 170 | 201001-201170 | VO10035456 |

## ANNEX 6: List of Certificates ALS Samples for gold

ALS Gold assays

| | ALS-CHEMEX | |
|---|---|---|
| Assay | Assay # | Certificate # |
| (#) | from-to | |
| Check Assays on (pulp) | | |
| 20 | 568801-568813 | VO09072723 |

**ALS Chemex**
***EXCELLENCE IN ANALYTICAL CHEMISTRY***
ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

To: **LITHIUM ONE INC.**
**2700-130 ADELAIDE STREET WEST**
**TORONTO ON M5H 3P5**


**Finalized Date: 21-APR-2010**
**Account: LITONE**

# CERTIFICATE VO10035456

Project: JBL

P.O. No.: open account

This report is for 170 Pulp samples submitted to our lab in Val d'Or, QC, Canada on 25-MAR-2010.

The following have access to data associated with this certificate:

A. JAMES MCCANN

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-24 | Pulp Login - Rcd w/o Barcode |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Li-OG63 | Ore grade Li - 4ACID | VARIABLE |
| ME-OG62o | Ore Grade open beaker -ICPAES | ICP-AES |

To: **LITHIUM ONE INC.**
**ATTN: A. JAMES MCCANN**
**1380 DES GOUVERNEURS**
**QUEBEC QC G1T 2G5**

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

**Signature:**

Colin Ramshaw, Vancouver Laboratory Manager

**ALS Chemex**
*EXCELLENCE IN ANALYTICAL CHEMISTRY*
ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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To: **LITHIUM ONE INC.**
**2700-130 ADELAIDE STREET WEST**
**TORONTO ON M5H 3P5**


**Finalized Date: 21-APR-2010**
**Account: LITONE**

Project: JBL

# CERTIFICATE OF ANALYSIS VO10035456

| Sample Description | Method Analyte Units LOR | WEI-21 Recvd Wt. kg 0.02 | Li-OG63 Li % 0.01 |
|---|---|---|---|
| 201001 | | 0.03 | 0.69 |
| 201002 | | 0.03 | 0.67 |
| 201003 | | 0.03 | 1.25 |
| 201004 | | 0.03 | 0.75 |
| 201005 | | 0.03 | <0.01 |
| 201006 | | 0.04 | 0.41 |
| 201007 | | 0.02 | 1.19 |
| 201008 | | 0.03 | 1.03 |
| 201009 | | 0.03 | 0.03 |
| 201010 | | 0.02 | 0.63 |
| 201011 | | 0.04 | 0.66 |
| 201012 | | 0.03 | 0.73 |
| 201013 | | 0.02 | 0.73 |
| 201014 | | 0.02 | 0.21 |
| 201015 | | 0.03 | 0.38 |
| 201016 | | 0.03 | 0.35 |
| 201017 | | 0.02 | 1.99 |
| 201018 | | 0.02 | 1.06 |
| 201019 | | 0.02 | 0.82 |
| 201020 | | 0.03 | <0.01 |
| 201021 | | 0.03 | 0.16 |
| 201022 | | 0.02 | 0.83 |
| 201023 | | 0.02 | 0.55 |
| 201024 | | 0.03 | 0.83 |
| 201025 | | 0.03 | 0.40 |
| 201026 | | 0.02 | 0.32 |
| 201027 | | 0.02 | 1.05 |
| 201028 | | 0.02 | 0.66 |
| 201029 | | 0.03 | 0.76 |
| 201030 | | 0.03 | 0.66 |
| 201031 | | 0.03 | 0.40 |
| 201032 | | 0.03 | 0.44 |
| 201033 | | 0.02 | 0.92 |
| 201034 | | 0.02 | 1.37 |
| 201035 | | 0.02 | <0.01 |
| 201036 | | 0.03 | 0.56 |
| 201037 | | 0.03 | 0.39 |
| 201038 | | 0.02 | 0.32 |
| 201039 | | 0.03 | 0.53 |
| 201040 | | 0.03 | 0.68 |

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Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

To: **LITHIUM ONE INC.**
**2700-130 ADELAIDE STREET WEST**
**TORONTO ON M5H 3P5**


**Finalized Date: 21-APR-2010**
**Account: LITONE**

Project: JBL

# CERTIFICATE OF ANALYSIS VO10035456

| Sample Description | Method / Analyte / Units / LOR | WEI-21 Recvd Wt. kg 0.02 | Li-OG63 Li % 0.01 |
|---|---|---|---|
| 201041 | | 0.03 | 0.39 |
| 201042 | | 0.03 | 0.77 |
| 201043 | | 0.03 | 0.66 |
| 201044 | | 0.03 | 0.46 |
| 201045 | | <0.02 | 0.41 |
| 201046 | | 0.02 | 0.04 |
| 201047 | | 0.02 | 0.19 |
| 201048 | | 0.02 | 1.16 |
| 201049 | | 0.03 | 0.57 |
| 201050 | | 0.03 | <0.01 |
| 201051 | | 0.02 | 0.85 |
| 201052 | | 0.02 | 0.37 |
| 201053 | | 0.03 | 0.78 |
| 201054 | | 0.02 | 0.32 |
| 201055 | | 0.03 | 0.40 |
| 201056 | | 0.02 | 0.68 |
| 201057 | | 0.03 | 0.80 |
| 201058 | | 0.03 | 1.10 |
| 201059 | | 0.02 | 0.07 |
| 201060 | | 0.02 | 0.67 |
| 201061 | | 0.02 | 0.45 |
| 201062 | | 0.02 | 1.07 |
| 201063 | | 0.03 | 0.94 |
| 201064 | | 0.02 | 1.00 |
| 201065 | | 0.02 | 0.68 |
| 201066 | | 0.03 | 0.01 |
| 201067 | | 0.02 | 0.16 |
| 201068 | | 0.03 | 0.93 |
| 201069 | | 0.02 | 0.49 |
| 201070 | | 0.03 | 1.34 |
| 201071 | | 0.03 | 0.41 |
| 201072 | | 0.02 | 0.47 |
| 201073 | | 0.02 | 0.55 |
| 201074 | | 0.02 | 0.49 |
| 201075 | | 0.03 | 0.99 |
| 201076 | | 0.02 | 0.02 |
| 201077 | | 0.02 | 0.66 |
| 201078 | | 0.02 | 0.93 |
| 201079 | | 0.02 | 0.44 |
| 201080 | | 0.03 | 0.60 |

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To: **LITHIUM ONE INC.**
**2700-130 ADELAIDE STREET WEST**
**TORONTO ON M5H 3P5**


**Finalized Date: 21-APR-2010**
**Account: LITONE**

Project: JBL

# CERTIFICATE OF ANALYSIS VO10035456

| Sample Description | Method Analyte Units LOR | WEI-21 Recvd Wt. kg 0.02 | Li-OG63 Li % 0.01 |
|---|---|---|---|
| 201081 | | 0.02 | 0.68 |
| 201082 | | 0.03 | 1.69 |
| 201083 | | 0.03 | 0.40 |
| 201084 | | 0.02 | 1.52 |
| 201085 | | 0.02 | 0.02 |
| 201086 | | 0.02 | 0.54 |
| 201087 | | 0.02 | 0.70 |
| 201088 | | 0.02 | 0.18 |
| 201089 | | 0.02 | 0.66 |
| 201090 | | 0.03 | 0.94 |
| 201091 | | 0.02 | 0.92 |
| 201092 | | 0.02 | 0.73 |
| 201093 | | 0.02 | 0.16 |
| 201094 | | 0.03 | <0.01 |
| 201095 | | 0.02 | 0.08 |
| 201096 | | 0.02 | 0.60 |
| 201097 | | 0.03 | 0.69 |
| 201098 | | 0.03 | 0.97 |
| 201099 | | 0.03 | 0.87 |
| 201100 | | 0.02 | 0.66 |
| 201101 | | 0.02 | 0.93 |
| 201102 | | 0.02 | 0.71 |
| 201103 | | 0.02 | 0.30 |
| 201104 | | 0.02 | 0.90 |
| 201105 | | 0.02 | 1.23 |
| 201106 | | 0.03 | 0.42 |
| 201107 | | 0.02 | 0.94 |
| 201108 | | 0.03 | 0.02 |
| 201109 | | 0.02 | 0.40 |
| 201110 | | 0.02 | 0.53 |
| 201111 | | 0.03 | 0.48 |
| 201112 | | 0.02 | <0.01 |
| 201113 | | 0.03 | 0.78 |
| 201114 | | 0.02 | 0.90 |
| 201115 | | 0.03 | 1.56 |
| 201116 | | 0.02 | 0.61 |
| 201117 | | 0.03 | 1.03 |
| 201118 | | 0.02 | 0.68 |
| 201119 | | 0.02 | 0.79 |
| 201120 | | 0.03 | 0.99 |

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To: **LITHIUM ONE INC.**
**2700-130 ADELAIDE STREET WEST**
**TORONTO ON M5H 3P5**


**Finalized Date: 21-APR-2010**
**Account: LITONE**

Project: JBL

# CERTIFICATE OF ANALYSIS VO10035456

| Sample Description | Method / Analyte / Units / LOR | WEI-21 Recvd Wt. kg 0.02 | Li-OG63 Li % 0.01 |
|---|---|---|---|
| 201121 | | 0.03 | 1.02 |
| 201122 | | 0.02 | 0.47 |
| 201123 | | 0.02 | 0.41 |
| 201124 | | 0.02 | 0.44 |
| 201125 | | 0.02 | 1.04 |
| 201126 | | 0.02 | 0.74 |
| 201127 | | 0.03 | 1.03 |
| 201128 | | 0.02 | 0.70 |
| 201129 | | 0.02 | 0.45 |
| 201130 | | 0.03 | <0.01 |
| 201131 | | 0.02 | 0.95 |
| 201132 | | 0.02 | 0.16 |
| 201133 | | 0.03 | 0.54 |
| 201134 | | 0.02 | 0.77 |
| 201135 | | 0.02 | 1.22 |
| 201136 | | 0.02 | 0.68 |
| 201137 | | 0.03 | 0.87 |
| 201138 | | 0.02 | 1.02 |
| 201139 | | 0.03 | 0.40 |
| 201140 | | 0.03 | 0.09 |
| 201141 | | 0.02 | 0.90 |
| 201142 | | 0.02 | 0.41 |
| 201143 | | 0.03 | 0.70 |
| 201144 | | 0.03 | 0.63 |
| 201145 | | 0.02 | 0.93 |
| 201146 | | 0.02 | 0.55 |
| 201147 | | 0.03 | 0.71 |
| 201148 | | 0.02 | <0.01 |
| 201149 | | 0.02 | 0.53 |
| 201150 | | 0.02 | 0.12 |
| 201151 | | 0.03 | 0.90 |
| 201152 | | 0.02 | 0.74 |
| 201153 | | 0.03 | 0.59 |
| 201154 | | 0.03 | 0.67 |
| 201155 | | 0.02 | 0.56 |
| 201156 | | 0.02 | 0.85 |
| 201157 | | 0.03 | 0.79 |
| 201158 | | 0.02 | 0.97 |
| 201159 | | 0.03 | 0.73 |
| 201160 | | 0.02 | 0.41 |

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To: **LITHIUM ONE INC.**
**2700-130 ADELAIDE STREET WEST**
**TORONTO ON M5H 3P5**


**Finalized Date: 21-APR-2010**
**Account: LITONE**

Project: JBL

# CERTIFICATE OF ANALYSIS VO10035456

| Sample Description | Method / Analyte / Units / LOR | WEI-21 Recvd Wt. kg 0.02 | Li-OG63 Li % 0.01 |
|---|---|---|---|
| 201161 | | 0.03 | 0.59 |
| 201162 | | 0.03 | 0.35 |
| 201163 | | 0.03 | 0.96 |
| 201164 | | 0.03 | 0.82 |
| 201165 | | 0.02 | 0.69 |
| 201166 | | 0.02 | <0.01 |
| 201167 | | 0.02 | 0.66 |
| 201168 | | 0.03 | 0.45 |
| 201169 | | 0.02 | 1.37 |
| 201170 | | 0.02 | 0.80 |

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À: **CONIAGAS RESOURCES LTD**
**130, ADELAIDE STREET WEST, SUITE 2700**
**TORONTO ON M5P 3P5**


**Finalisée date: 25-JUIL-2009**
**Cette copie a fait un rapport sur 25-AOUT-2009**
**Compte: CONIAGAS**

# CERTIFICAT VO09072723

Projet:

Bon de commande #:

Ce rapport s'applique aux 13 échantillons de carotte forage soumis à notre laboratoire de Val d'Or, QC, Canada le 17-JUIL-2009.

Les résultats sont transmis à:

JAMES MCCANN

## PRÉPARATION ÉCHANTILLONS

| CODE ALS | DESCRIPTION |
|---|---|
| WEI-21 | Poids échantillon reçu |
| LOG-22 | Entrée échantillon - Reçu sans code barre |
| CRU-31 | Granulation - 70 % <2 mm |
| SPL-21 | Échant. fractionné - div. riffles |
| PUL-31 | Pulvérisé à 85 % <75 um |

## PROCÉDURES ANALYTIQUES

| CODE ALS | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-AA23 | Au 30 g fini FA-AA | AAS |

À: **CONIAGAS RESOURCES LTD**
**ATTN: JAMES MCCANN**
**1380, AVE DES GOUVERNEURS**
**QUEBEC QC G1T 2G5**

Ce rapport est final et remplace tout autre rapport préliminaire portant ce numéro de certificat. Les résultats s'appliquent aux échantillons soumis. Toutes les pages de ce rapport ont été vérifiées et approuvées avant publication.

**Signature:**

Colin Ramshaw, Vancouver Laboratory Manager

**ALS Chemex**
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Téléphone: 604 984 0221 Télécopieur: 604 984 0218 www.alschemex.com

À: **CONIAGAS RESOURCES LTD**
**130, ADELAIDE STREET WEST, SUITE 2700**
**TORONTO ON M5P 3P5**


**Finalisée date: 25-JUIL-2009**
**Compte: CONIAGAS**

# CERTIFICAT D'ANALYSE VO09072723

| Description échantillon | Méthode élément unités L.D. | WEI-21 Poids reçu kg 0.02 | Au-AA23 Au ppm 0.005 |
|---|---|---|---|
| 568801 | | 3.57 | 0.013 |
| 568802 | | 3.18 | 0.037 |
| 568803 | | 3.51 | 0.027 |
| 568804 | | 3.79 | 0.046 |
| 568805 | | 3.68 | 0.066 |
| 568806 | | 3.73 | 0.010 |
| 568807 | | 3.63 | 0.034 |
| 568808 | | 3.31 | 0.059 |
| 568809 | | 3.24 | 0.028 |
| 568810 | | 1.08 | 0.051 |
| 568811 | | 3.52 | 0.006 |
| 568812 | | 2.57 | 0.014 |
| 568813 | | 2.08 | 0.013 |

## ANNEX 7: List of Certificates COREM A-45 semi-quantitative

COREM A-45 semi-quantitative analysis

| Certificates # | Sample # |
|---|---|
| COREM28467 | 245; 247; 249; 252; 254; 858; 861; 864; 868; 871; 874; 878; 881; 884; 887; 890; 893; 896; 1088 |
| " " | 1091; 1095; 1098; 1101; 1104; 1107. |
| COREM28468 | 753471; 753473; 753477; 753479; 753481; 753037; 753471; 753039; 753043; 753045; 753194; |
| " " | 753196; 753198; 753201; 753203; 279606; 279608; 279611; 279613; 279615; 279616; 279939; |
| " " | 279941; 279943; 279945; 279947; 279949; 279951; 279953; 279955; 279957; 279959. |
| COREM29169 | 279804; 279807; 279809; 279813; 279816; 279817; 504; 506; 508; 510; 511; 779: 783; 784; 787; |
| " " | 789; 790; 793; 796; 799; 802; 805; 1015; 1017; 1020. |
| COREM29170 | 1023; 1026; 1596; 1599; 1602; 1605; 1608; 1609; 2029; 2032; 2035; 2038; 2041; 2045; 2048; |
| " " | 2052; 2035; 2038; 2041; 2045; 2048; 2052; 2055; 2058; 2060; 2133-2136; 2501; 2504; 2507; |
| " " | 2510; 2513; 2516; 2517. |
| COREM30304 | 1020rp. |

**James McCann**
**100515 CONIAGAS Resources Ltd.**

Date de réception : **2009-07-14**
Certificat émis le .: **2009-09-24**

| | | | | |
|---|---|---|---|---|
| Numéro COREM : | | 28121- 1 | 28121- 2 | 28121- 3 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 568849 | 568850 | 568848 |
| A21- 2 | Analyse | 2009-07-20 | | |
| A21- 2 | SiO2 | 64.8 % | | |
| A21- 2 | Al2O3 | 18.9 % | | |
| A21- 2 | Fe2O3 | < 0.01 % | | |
| A21- 2 | MgO | 0.08 % | | |
| A21- 2 | CaO | 0.15 % | | |
| A21- 2 | Na2O | 2.08 % | | |
| A21- 2 | K2O | 13.3 % | | |
| A21- 2 | TiO2 | < 0.01 % | | |
| A21- 2 | MnO | 0.02 % | | |
| A21- 2 | P2O5 | 0.39 % | | |
| A21- 2 | Nb2O5 | < 0.03 % | | |
| A21- 2 | ZrO2 | < 0.02 % | | |
| A21- 2 | Ta2O5 | < 0.01 % | | |
| A21- 2 | BaO | < 0.04 % | | |
| A21- 2 | Y2O3 | 0.11 % | | |
| A21- 2 | SrO | < 0.06 % | | |
| A21- 2 | ThO2 | < 0.01 % | | |
| A21- 2 | Ce2O3 | < 0.02 % | | |
| A21- 2 | La2O3 | < 0.02 % | | |
| A21- 2 | Nd2O3 | < 0.03 % | | |
| A21- 2 | PAF | 0.38 % | | |
| A45- 1 | Analyse | | 2009-07-21 | |
| A45- 1 | Ag | | < 0.01 % | |
| A45- 1 | Al | | 17 % | |
| A45- 1 | As | | < 0.05 % | |
| A45- 1 | Ba | | < 0.05 % | |
| A45- 1 | Bi | | < 0.01 % | |
| A45- 1 | Br | | < 0.05 % | |
| A45- 1 | Ca | | < 0.05 % | |
| A45- 1 | Cd | | < 0.01 % | |
| A45- 1 | Ce | | < 0.05 % | |
| A45- 1 | Cl | | < 0.10 % | |
| A45- 1 | Co | | < 0.05 % | |
| A45- 1 | Cr | | < 0.05 % | |
| A45- 1 | Cs | | < 0.05 % | |
| A45- 1 | Cu | | < 0.05 % | |
| A45- 1 | F | | < 0.10 % | |
| A45- 1 | Fe | | 0.69 % | |
| A45- 1 | Ga | | < 0.05 % | |
| A45- 1 | K | | 9.3 % | |
| A45- 1 | La | | < 0.05 % | |
| A45- 1 | Mg | | 0.10 % | |

COREM

**RAPPORT D´ANALYSE version 3**

Votre référence ...: **visite 14-07-09**

**James McCann**
**100515 CONIAGAS Resources Ltd.**

Date de réception : **2009-07-14**
Certificat émis le .: **2009-09-24**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28121- 1 | 28121- 2 | 28121- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 568849 | 568850 | 568848 |
| A45- 1 Mn | | < 0.05 % | |
| A45- 1 Mo | | < 0.01 % | |
| A45- 1 Na | | 0.38 % | |
| A45- 1 Nb | | 0.02 % | |
| A45- 1 Ni | | < 0.05 % | |
| A45- 1 O | | 56 % | |
| A45- 1 P | | < 0.05 % | |
| A45- 1 Pb | | < 0.01 % | |
| A45- 1 S | | < 0.05 % | |
| A45- 1 Sb | | < 0.01 % | |
| A45- 1 Sc | | < 0.01 % | |
| A45- 1 Se | | < 0.05 % | |
| A45- 1 Si | | 16 % | |
| A45- 1 Sn | | 0.02 % | |
| A45- 1 Sr | | < 0.01 % | |
| A45- 1 Ta | | < 0.05 % | |
| A45- 1 Te | | < 0.05 % | |
| A45- 1 Th | | < 0.01 % | |
| A45- 1 Ti | | 0.08 % | |
| A45- 1 Tl | | 0.01 % | |
| A45- 1 V | | < 0.05 % | |
| A45- 1 W | | < 0.05 % | |
| A45- 1 Y | | 0.09 % | |
| A45- 1 Zn | | < 0.05 % | |
| A45- 1 Zr | | < 0.01 % | |
| B23- 1 Analyse | | 2009-07-17 | |
| B23- 1 Li | | 294 mg/kg | |
| DRX*- 1 Analyse | 2009-08-21 | | |
| DRX*- 1 DRX | Terminé | | |
| MIC100- 1 Analyse | | | 2009-07-23 |
| MIC100- 1 Caract. | | | Voir annexe |
| P02- 1 Préparation | 2009-07-15 | 2009-07-15 | |
| P02- 1 Conc. | Terminée | Terminée | |
| P05- 1 Préparation | 2009-07-15 | 2009-07-15 | |
| P05- 1 Pul. BW | Terminée | Terminée | |

Responsable :

Bernard Montminy,chimiste,M.Sc.
Directeur adjoint à la réalisation technique

Ce rapport contient des renseignements protégés et confidentiels à l'intention du destinataire. Les résultats ne se rapportent qu'aux échantillons soumis à l'analyse. Cette version remplace et annule toute version antérieure, le cas échéant. * Analyse faite par un sous-traitant.

**COREM**
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COREM

# NOTE

**DESTINATAIRE(S)** : M. JAMES MCCANN

**EXPÉDITEUR** : SYLVIE LÉVESQUE

**DATE** : 25 septembre 2009

**OBJET** : Résultats de l'analyse par diffraction des rayons X de l'échantillon 568849

L'échantillon 568849 a été analysé par diffraction des rayons X au laboratoire de cristallographie de l'Université du Québec à Montréal pour identifier les minéraux présents.

Le tableau 1 présente les résultats obtenus ainsi que les proportions déterminées selon les intensités des pics principaux.

Tableau 1. Résultats de l'analyse par diffraction des rayons X

| Minéraux | Intensité | % (basé sur intensité) |
|---|---|---|
| Microcline | 698 | 78 % |
| Albite-Na | 170 | 19 % |
| Calcite | 27 | 3 % |

N'hésitez pas à communiquer avec nous pour toute information supplémentaire.

Sylvie Lévesque

**COREM**
1180, rue de la Minéralogie, Québec (Québec) G1N 1X7 Canada
☎ **(418) 527-8211** • 🖷 **(418) 527-9188**

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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
568821 à 568830
Date de réception : **2009-09-14**
Certificat émis le .: **2009-09-17**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28638- 1 | 28638- 2 | 28638- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 568821 | 568822 | 568823 |
| B23- 1 Analyse | 2009-09-17 | 2009-09-17 | 2009-09-17 |
| B23- 1 Li | 0.841 % | 256 mg/kg | 0.206 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28638- 4 | 28638- 5 | 28638- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 568824 | 568825 | 568826 |
| B23- 1 Analyse | 2009-09-17 | 2009-09-17 | 2009-09-17 |
| B23- 1 Li | 0.632 % | 0.708 % | 0.698 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 28638- 7 | 28638- 8 | 28638- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 568827 | 568828 | 568829 |
| B23- 1 Analyse | 2009-09-17 | 2009-09-17 | 2009-09-17 |
| B23- 1 Li | 1.03 % | 0.771 % | 0.955 % |

| | |
|---|---|
| Numéro COREM : | 28638- 10 |
| Nature : | SOLIDES |
| Désignation : | 568830 |
| B23- 1 Analyse | 2009-09-17 |
| B23- 1 Li | 0.929 % |

Responsable :

Bernard Montminy,chimiste,M.Sc.
Directeur adjoint à la réalisation technique



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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**

A45 et Be

Date de réception : **2009-09-15**

Certificat émis le .: **2009-10-16**

**James McCann**

**100563 Lithium One Inc.**

| | | | | |
|---|---|---|---|---|
| Numéro COREM : | | 28647- 1 | 28647- 2 | 28647- 3 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 245 | 247 | 249 |
| A45- 1 | Analyse | 2009-10-16 | 2009-10-16 | 2009-10-16 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 9.4 % | 8.8 % | 9.2 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.31 % | 0.16 % | 0.19 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.63 % | 0.72 % | 0.78 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 2.6 % | 2.2 % | 2.2 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | 0.06 % | 0.06 % | < 0.05 % |
| A45- 1 | Mn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 2.6 % | 2.7 % | 3.0 % |
| A45- 1 | Nb | 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 50 % | 50 % | 50 % |
| A45- 1 | P | 0.15 % | 0.15 % | 0.16 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 34 % | 35 % | 35 % |
| A45- 1 | Sn | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sr | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | < 0.01 % |



**COREM**
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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
A45 et Be
Date de réception : **2009-09-15**
Certificat émis le .: **2009-10-16**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28647- 1 | 28647- 2 | 28647- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 245 | 247 | 249 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-10-09 | 2009-10-09 | 2009-10-09 |
| B05- 1 Be | 114 mg/kg | 73.7 mg/kg | 88.1 mg/kg |



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A45 et Be

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Certificat émis le .: **2009-10-16**

**James McCann**

**100563 Lithium One Inc.**

| | | | | | |
|---|---|---|---|---|---|
| Numéro COREM : | | 28647- 4 | 28647- 5 | 28647- 6 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 252 | 254 | 858 |
| A45- 1 | Analyse | 2009-10-16 | 2009-10-16 | 2009-10-16 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 9.0 % | 10 % | 9.6 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.16 % | 0.21 % | 0.15 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.66 % | 0.58 % | 0.52 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 2.6 % | 1.7 % | 1.4 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | 0.06 % | < 0.05 % | 0.06 % |
| A45- 1 | Mn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 3.5 % | 4.1 % | 4.4 % |
| A45- 1 | Nb | < 0.01 % | 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 49 % | 50 % | 50 % |
| A45- 1 | P | 0.16 % | 0.20 % | 0.20 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 34 % | 34 % | 34 % |
| A45- 1 | Sn | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sr | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | < 0.01 % |



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**RAPPORT D'ANALYSE version 1**

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A45 et Be
Date de réception : **2009-09-15**
Certificat émis le .: **2009-10-16**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28647- 4 | 28647- 5 | 28647- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 252 | 254 | 858 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-10-09 | 2009-10-09 | 2009-10-09 |
| B05- 1 Be | 97.0 mg/kg | 64.0 mg/kg | 76.5 mg/kg |



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A45 et Be

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Certificat émis le .: **2009-10-16**

**James McCann**

**100563 Lithium One Inc.**

| | | | | |
|---|---|---|---|---|
| Numéro COREM : | | 28647- 7 | 28647- 8 | 28647- 9 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 861 | 864 | 868 |
| A45- 1 | Analyse | 2009-10-16 | 2009-10-16 | 2009-10-16 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 9.7 % | 9.8 % | 9.4 % |
| A45- 1 | As | 0.08 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.16 % | 0.18 % | 0.18 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.72 % | 0.84 % | 0.75 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 1.4 % | 0.84 % | 2.6 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | < 0.05 % | 0.08 % | < 0.05 % |
| A45- 1 | Mn | < 0.05 % | 0.08 % | 0.05 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 3.5 % | 3.5 % | 3.3 % |
| A45- 1 | Nb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 50 % | 50 % | 49 % |
| A45- 1 | P | 0.11 % | 0.22 % | 0.20 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 34 % | 34 % | 34 % |
| A45- 1 | Sn | < 0.01 % | 0.01 % | < 0.01 % |
| A45- 1 | Sr | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | < 0.01 % |



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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**

A45 et Be

Date de réception : **2009-09-15**

Certificat émis le .: **2009-10-16**

**James McCann**

**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28647- 7 | 28647- 8 | 28647- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 861 | 864 | 868 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-10-09 | 2009-10-09 | 2009-10-09 |
| B05- 1 Be | 17.0 mg/kg | 111 mg/kg | 38.3 mg/kg |



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**James McCann**
**100563 Lithium One Inc.**

| | | | | | |
|---|---|---|---|---|---|
| Numéro COREM : | | 28647- 10 | 28647- 11 | 28647- 12 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 871 | 874 | 878 |
| A45- 1 | Analyse | 2009-10-16 | 2009-10-16 | 2009-10-16 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 9.4 % | 10 % | 9.2 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.24 % | 0.24 % | 0.15 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.65 % | 0.91 % | 0.72 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 1.8 % | 0.70 % | 2.3 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | 0.08 % | 0.07 % | 0.07 % |
| A45- 1 | Mn | < 0.05 % | 0.098 % | < 0.05 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 3.9 % | 3.6 % | 2.6 % |
| A45- 1 | Nb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 50 % | 50 % | 50 % |
| A45- 1 | P | 0.18 % | 0.37 % | 0.20 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 34 % | 34 % | 35 % |
| A45- 1 | Sn | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sr | 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | < 0.01 % |

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**RAPPORT D'ANALYSE version 1**

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A45 et Be

Date de réception : **2009-09-15**

Certificat émis le .: **2009-10-16**

**James McCann**

**100563 Lithium One Inc.**

| | | | | |
|---|---|---|---|---|
| Numéro COREM : | | 28647- 10 | 28647- 11 | 28647- 12 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 871 | 874 | 878 |
| A45- 1 | Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 | Analyse | 2009-10-09 | 2009-10-09 | 2009-10-09 |
| B05- 1 | Be | 165 mg/kg | 363 mg/kg | 15.4 mg/kg |



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| | | | | |
|---|---|---|---|---|
| Numéro COREM : | | 28647- 13 | 28647- 14 | 28647- 15 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 881 | 884 | 887 |
| A45- 1 | Analyse | 2009-10-16 | 2009-10-16 | 2009-10-16 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 9.1 % | 9.2 % | 9.2 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.14 % | 0.13 % | 0.18 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.79 % | 0.82 % | 0.48 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 1.7 % | 0.84 % | 2.8 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mn | 0.06 % | 0.07 % | < 0.05 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 3.6 % | 3.0 % | 3.6 % |
| A45- 1 | Nb | 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 50 % | 50 % | 49 % |
| A45- 1 | P | 0.28 % | 0.20 % | 0.22 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 35 % | 35 % | 34 % |
| A45- 1 | Sn | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sr | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | < 0.01 % |



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**RAPPORT D'ANALYSE version 1**

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A45 et Be
Date de réception : **2009-09-15**
Certificat émis le .: **2009-10-16**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28647- 13 | 28647- 14 | 28647- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 881 | 884 | 887 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-10-09 | 2009-10-09 | 2009-10-09 |
| B05- 1 Be | 109 mg/kg | 104 mg/kg | 105 mg/kg |



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Votre référence ...: **LSA-2009-17**
A45 et Be
Date de réception : **2009-09-15**
Certificat émis le .: **2009-10-16**

**James McCann**
**100563 Lithium One Inc.**

| | | | | | |
|---|---|---|---|---|---|
| Numéro COREM : | | 28647- 16 | 28647- 17 | 28647- 18 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 890 | 893 | 896 |
| A45- 1 | Analyse | 2009-10-16 | 2009-10-16 | 2009-10-16 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 9.2 % | 9.5 % | 9.9 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.17 % | 0.20 % | 0.39 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.63 % | 0.77 % | 0.51 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 3.1 % | 1.5 % | 1.6 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | < 0.05 % | 0.07 % | < 0.05 % |
| A45- 1 | Mn | 0.06 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 3.3 % | 1.8 % | 4.8 % |
| A45- 1 | Nb | < 0.01 % | < 0.01 % | 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 49 % | 50 % | 49 % |
| A45- 1 | P | 0.27 % | 0.22 % | 0.39 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 34 % | 35 % | 33 % |
| A45- 1 | Sn | 0.01 % | 0.01 % | < 0.01 % |
| A45- 1 | Sr | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | < 0.01 % |



**COREM**
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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
A45 et Be
Date de réception : **2009-09-15**
Certificat émis le .: **2009-10-16**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28647- 16 | 28647- 17 | 28647- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 890 | 893 | 896 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-10-09 | 2009-10-09 | 2009-10-09 |
| B05- 1 Be | 106 mg/kg | 151 mg/kg | 145 mg/kg |



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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**

A45 et Be

Date de réception : **2009-09-15**

Certificat émis le .: **2009-10-16**

**James McCann**

**100563 Lithium One Inc.**

| | | | | | |
|---|---|---|---|---|---|
| Numéro COREM : | | 28647- 19 | 28647- 20 | 28647- 21 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 1088 | 1091 | 1095 |
| A45- 1 | Analyse | 2009-10-16 | 2009-10-16 | 2009-10-16 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 9.8 % | 8.8 % | 8.9 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.42 % | 0.25 % | 0.18 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 1.0 % | 0.84 % | 0.67 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 3.0 % | 2.5 % | 1.7 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | 0.14 % | 0.097 % | < 0.05 % |
| A45- 1 | Mn | < 0.05 % | < 0.05 % | 0.08 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 3.1 % | 2.1 % | 3.1 % |
| A45- 1 | Nb | < 0.01 % | < 0.01 % | 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 49 % | 50 % | 50 % |
| A45- 1 | P | 0.29 % | 0.20 % | 0.25 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 33 % | 35 % | 35 % |
| A45- 1 | Sn | < 0.01 % | < 0.01 % | 0.01 % |
| A45- 1 | Sr | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | < 0.01 % |



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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
A45 et Be
Date de réception : **2009-09-15**
Certificat émis le .: **2009-10-16**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28647- 19 | 28647- 20 | 28647- 21 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1088 | 1091 | 1095 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-10-09 | 2009-10-09 | 2009-10-14 |
| B05- 1 Be | 114 mg/kg | 49.6 mg/kg | 128 mg/kg |



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Certificat émis le .: **2009-10-16**

**James McCann**
**100563 Lithium One Inc.**

| | | | | | |
|---|---|---|---|---|---|
| Numéro COREM : | | 28647- 22 | 28647- 23 | 28647- 24 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 1098 | 1101 | 1104 |
| A45- 1 | Analyse | 2009-10-16 | 2009-10-16 | 2009-10-16 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 9.0 % | 8.9 % | 9.0 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.21 % | 0.18 % | 0.18 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 1.0 % | 0.61 % | 0.60 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 1.9 % | 2.0 % | 2.1 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | 0.11 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mn | 0.06 % | 0.07 % | 0.06 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 3.1 % | 3.1 % | 3.1 % |
| A45- 1 | Nb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 50 % | 50 % | 50 % |
| A45- 1 | P | 0.21 % | 0.19 % | 0.20 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 35 % | 35 % | 35 % |
| A45- 1 | Sn | 0.02 % | < 0.01 % | 0.02 % |
| A45- 1 | Sr | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | < 0.01 % |



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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
A45 et Be
Date de réception : **2009-09-15**
Certificat émis le .: **2009-10-16**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28647- 22 | 28647- 23 | 28647- 24 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1098 | 1101 | 1104 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-10-14 | 2009-10-14 | 2009-10-14 |
| B05- 1 Be | 128 mg/kg | 98.1 mg/kg | 98.2 mg/kg |



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A45 et Be
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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 28647- 25 | |
| Nature | : | SOLIDES | |
| Désignation | : | 1107 | |
| A45- 1 | Analyse | 2009-10-16 | |
| A45- 1 | Ag | < 0.01 | % |
| A45- 1 | Al | 9.2 | % |
| A45- 1 | As | < 0.05 | % |
| A45- 1 | Ba | < 0.05 | % |
| A45- 1 | Bi | < 0.01 | % |
| A45- 1 | Br | < 0.05 | % |
| A45- 1 | Ca | 0.25 | % |
| A45- 1 | Cd | < 0.01 | % |
| A45- 1 | Ce | < 0.05 | % |
| A45- 1 | Cl | < 0.10 | % |
| A45- 1 | Co | < 0.05 | % |
| A45- 1 | Cr | < 0.05 | % |
| A45- 1 | Cs | < 0.05 | % |
| A45- 1 | Cu | < 0.05 | % |
| A45- 1 | F | < 0.10 | % |
| A45- 1 | Fe | 0.56 | % |
| A45- 1 | Ga | < 0.05 | % |
| A45- 1 | K | 3.0 | % |
| A45- 1 | La | < 0.05 | % |
| A45- 1 | Mg | < 0.05 | % |
| A45- 1 | Mn | 0.05 | % |
| A45- 1 | Mo | < 0.01 | % |
| A45- 1 | Na | 3.6 | % |
| A45- 1 | Nb | < 0.01 | % |
| A45- 1 | Ni | < 0.05 | % |
| A45- 1 | O | 49 | % |
| A45- 1 | P | 0.19 | % |
| A45- 1 | Pb | 0.02 | % |
| A45- 1 | S | < 0.05 | % |
| A45- 1 | Sb | < 0.01 | % |
| A45- 1 | Sc | < 0.01 | % |
| A45- 1 | Se | < 0.05 | % |
| A45- 1 | Si | 34 | % |
| A45- 1 | Sn | < 0.01 | % |
| A45- 1 | Sr | < 0.01 | % |
| A45- 1 | Ta | < 0.05 | % |
| A45- 1 | Te | < 0.05 | % |
| A45- 1 | Th | < 0.01 | % |
| A45- 1 | Ti | < 0.05 | % |
| A45- 1 | Tl | < 0.01 | % |
| A45- 1 | V | < 0.05 | % |
| A45- 1 | W | < 0.05 | % |
| A45- 1 | Y | < 0.01 | % |



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**RAPPORT D´ANALYSE version 1**

Votre référence ....: **LSA-2009-17**
A45 et Be
Date de réception : **2009-09-15**
Certificat émis le .: **2009-10-16**

**James McCann**
**100563 Lithium One Inc.**

| | | |
|---|---|---|
| Numéro COREM | : | 28647- 25 |
| Nature | : | SOLIDES |
| Désignation | : | 1107 |
| A45- 1 Zn | | < 0.05 % |
| A45- 1 Zr | | < 0.01 % |
| B05- 1 Analyse | | 2009-10-14 |
| B05- 1 Be | | 91.4 mg/kg |

Responsable :

Bernard Montminy, chimiste, M.Sc.
Directeur adjoint à la réalisation technique

Ce rapport contient des renseignements protégés et confidentiels à l'intention du destinataire. Les résultats ne se rapportent qu'aux échantillons soumis à l'analyse. Cette version remplace et annule toute version antérieure, le cas échéant. * Analyse faite par un sous-traitant.

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**RAPPORT D´ANALYSE version 2**

Votre référence ...: **LSA-2009-17**
A45 et Be
Date de réception : **2009-09-15**
Certificat émis le .: **2009-10-28**

**James McCann**
**100563 Lithium One Inc.**

| | | | | |
|---|---|---|---|---|
| Numéro COREM : | | 28648- 1 | 28648- 2 | 28648- 3 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 753471 | 753473 | 753477 |
| A45- 1 | Analyse | 2009-10-16 | 2009-10-16 | 2009-10-16 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 9.6 % | 8.5 % | 9.5 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.15 % | 0.12 % | 0.19 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.63 % | 0.61 % | 1.3 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 1.3 % | 2.4 % | 0.70 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | 0.11 % | 0.098 % | 0.06 % |
| A45- 1 | Mn | < 0.05 % | 0.05 % | 0.08 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 5.9 % | 2.2 % | 2.2 % |
| A45- 1 | Nb | 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 49 % | 50 % | 50 % |
| A45- 1 | P | 0.13 % | 0.19 % | 0.23 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 33 % | 36 % | 35 % |
| A45- 1 | Sn | 0.01 % | < 0.01 % | 0.01 % |
| A45- 1 | Sr | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | < 0.01 % |



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# RAPPORT D'ANALYSE version 2

Votre référence ...: **LSA-2009-17**

A45 et Be

Date de réception : **2009-09-15**

Certificat émis le .: **2009-10-28**

**James McCann**

**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28648- 1 | 28648- 2 | 28648- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753471 | 753473 | 753477 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-10-14 | 2009-10-14 | 2009-10-14 |
| B05- 1 Be | 135 mg/kg | 144 mg/kg | 264 mg/kg |



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**RAPPORT D'ANALYSE version 2**

Votre référence ...: **LSA-2009-17**

A45 et Be

Date de réception : **2009-09-15**

Certificat émis le .: **2009-10-28**

**James McCann**

**100563 Lithium One Inc.**

| | | | | | |
|---|---|---|---|---|---|
| Numéro COREM : | | 28648- 4 | 28648- 5 | 28648- 6 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 753479 | 753481 | 753037 |
| A45- 1 | Analyse | 2009-10-16 | 2009-10-16 | 2009-10-16 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 10 % | 9.3 % | 8.7 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.25 % | 0.18 % | 0.19 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.88 % | 0.45 % | 0.60 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 0.80 % | 0.92 % | 2.8 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | 0.09 % | 0.05 % | < 0.05 % |
| A45- 1 | Mn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 3.3 % | 6.5 % | 3.3 % |
| A45- 1 | Nb | 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 50 % | 49 % | 49 % |
| A45- 1 | P | 0.17 % | 0.14 % | 0.11 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 34 % | 33 % | 35 % |
| A45- 1 | Sn | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sr | < 0.01 % | < 0.01 % | 0.01 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | < 0.01 % |



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**RAPPORT D'ANALYSE version 2**

Votre référence ...: **LSA-2009-17**

A45 et Be

Date de réception : **2009-09-15**

Certificat émis le .: **2009-10-28**

**James McCann**

**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28648- 4 | 28648- 5 | 28648- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753479 | 753481 | 753037 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-10-14 | 2009-10-14 | 2009-10-14 |
| B05- 1 Be | 251 mg/kg | 105 mg/kg | 134 mg/kg |



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A45 et Be
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Certificat émis le .: **2009-10-28**

**James McCann**
**100563 Lithium One Inc.**

| | | | | |
|---|---|---|---|---|
| Numéro COREM : | | 28648- 7 | 28648- 8 | 28648- 9 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 753039 | 753041 | 753043 |
| A45- 1 | Analyse | 2009-10-16 | 2009-10-16 | 2009-10-16 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 8.7 % | 8.9 % | 8.8 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.18 % | 0.16 % | 0.22 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.68 % | 0.69 % | 0.56 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 2.1 % | 1.5 % | 2.2 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | < 0.05 % | 0.09 % | < 0.05 % |
| A45- 1 | Mn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 2.8 % | 3.2 % | 3.4 % |
| A45- 1 | Nb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 50 % | 50 % | 50 % |
| A45- 1 | P | 0.08 % | 0.08 % | 0.09 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 35 % | 35 % | 35 % |
| A45- 1 | Sn | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sr | 0.01 % | < 0.01 % | 0.01 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | < 0.01 % |



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# RAPPORT D´ANALYSE version 2

Votre référence ...: **LSA-2009-17**
A45 et Be
Date de réception : **2009-09-15**
Certificat émis le .: **2009-10-28**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28648- 7 | 28648- 8 | 28648- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753039 | 753041 | 753043 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-10-14 | 2009-10-14 | 2009-10-14 |
| B05- 1 Be | 112 mg/kg | 105 mg/kg | 108 mg/kg |



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**James McCann**
**100563 Lithium One Inc.**

| | | | | |
|---|---|---|---|---|
| Numéro COREM : | | 28648- 10 | 28648- 11 | 28648- 12 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 753045 | 753194 | 753196 |
| A45- 1 | Analyse | 2009-10-16 | 2009-10-16 | 2009-10-16 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 8.8 % | 7.8 % | 8.6 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.18 % | 0.24 % | 0.19 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | 1.3 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.52 % | 0.53 % | 0.54 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 3.4 % | 2.9 % | 1.1 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | < 0.05 % | 0.09 % | 0.07 % |
| A45- 1 | Mn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 3.1 % | 2.5 % | 3.0 % |
| A45- 1 | Nb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 49 % | 50 % | 50 % |
| A45- 1 | P | 0.098 % | 0.16 % | 0.14 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 34 % | 36 % | 35 % |
| A45- 1 | Sn | 0.01 % | 0.01 % | 0.02 % |
| A45- 1 | Sr | 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | < 0.01 % |



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Votre référence ...: **LSA-2009-17**
A45 et Be
Date de réception : **2009-09-15**
Certificat émis le .: **2009-10-28**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28648- 10 | 28648- 11 | 28648- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753045 | 753194 | 753196 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-10-14 | 2009-10-14 | 2009-10-14 |
| B05- 1 Be | 139 mg/kg | 43.3 mg/kg | 111 mg/kg |



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**James McCann**
**100563 Lithium One Inc.**

| | | | | |
|---|---|---|---|---|
| Numéro COREM : | | 28648- 13 | 28648- 14 | 28648- 15 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 753198 | 753201 | 753203 |
| A45- 1 | Analyse | 2009-10-16 | 2009-10-16 | 2009-10-16 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 8.8 % | 8.9 % | 9.0 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | 0.12 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.20 % | 0.19 % | 0.81 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.54 % | 0.54 % | 0.99 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 2.2 % | 1.7 % | 2.9 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | 0.07 % | < 0.05 % | 0.21 % |
| A45- 1 | Mn | < 0.05 % | 0.06 % | 0.06 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 3.2 % | 3.6 % | 3.7 % |
| A45- 1 | Nb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 50 % | 50 % | 49 % |
| A45- 1 | P | 0.19 % | 0.20 % | 0.26 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 35 % | 35 % | 33 % |
| A45- 1 | Sn | 0.01 % | 0.01 % | < 0.01 % |
| A45- 1 | Sr | < 0.01 % | < 0.01 % | 0.02 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | 0.06 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | 0.01 % |



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**RAPPORT D´ANALYSE version 2**

Votre référence ...: **LSA-2009-17**
A45 et Be
Date de réception : **2009-09-15**
Certificat émis le .: **2009-10-28**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28648- 13 | 28648- 14 | 28648- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 753198 | 753201 | 753203 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-10-14 | 2009-10-14 | 2009-10-14 |
| B05- 1 Be | 119 mg/kg | 96.7 mg/kg | 136 mg/kg |



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**James McCann**
**100563 Lithium One Inc.**

| | | | | | |
|---|---|---|---|---|---|
| Numéro COREM : | | 28648- 16 | 28648- 17 | 28648- 18 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 279606 | 279608 | 279611 |
| A45- 1 | Analyse | 2009-10-16 | 2009-10-16 | 2009-10-16 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 8.9 % | 9.2 % | 8.4 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.22 % | 0.26 % | 0.25 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.66 % | 0.69 % | 0.79 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 1.4 % | 1.9 % | 1.1 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | < 0.05 % | < 0.05 % | 0.05 % |
| A45- 1 | Mn | 0.06 % | < 0.05 % | 0.07 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 3.5 % | 3.9 % | 3.2 % |
| A45- 1 | Nb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 50 % | 50 % | 50 % |
| A45- 1 | P | 0.21 % | 0.23 % | 0.26 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 35 % | 34 % | 36 % |
| A45- 1 | Sn | < 0.01 % | 0.01 % | 0.01 % |
| A45- 1 | Sr | < 0.01 % | 0.01 % | < 0.01 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | < 0.01 % |



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**RAPPORT D´ANALYSE version 2**

Votre référence ....: **LSA-2009-17**
A45 et Be
Date de réception : **2009-09-15**
Certificat émis le .: **2009-10-28**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28648- 16 | 28648- 17 | 28648- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279606 | 279608 | 279611 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-10-15 | 2009-10-15 | 2009-10-15 |
| B05- 1 Be | 147 mg/kg | 217 mg/kg | 202 mg/kg |



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A45 et Be

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**James McCann**

**100563 Lithium One Inc.**

| | | | | | |
|---|---|---|---|---|---|
| Numéro COREM : | | 28648- 19 | 28648- 20 | 28648- 21 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 279613 | 279615 | 279616 |
| A45- 1 | Analyse | 2009-10-16 | 2009-10-16 | 2009-10-19 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 9.3 % | 8.8 % | 9.0 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.23 % | 0.22 % | 0.57 % |
| A45- 1 | Cd | < 0.01 % | 2.5 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.65 % | 0.50 % | 1.3 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 1.8 % | 2.8 % | 2.7 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | 0.05 % | < 0.05 % | 0.25 % |
| A45- 1 | Mn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 3.9 % | 3.4 % | 4.2 % |
| A45- 1 | Nb | < 0.01 % | 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 50 % | 48 % | 49 % |
| A45- 1 | P | 0.19 % | 0.21 % | 0.26 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 34 % | 33 % | 33 % |
| A45- 1 | Sn | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sr | < 0.01 % | < 0.01 % | 0.02 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | 0.08 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | 0.01 % | 0.01 % |



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A45 et Be
Date de réception : **2009-09-15**
Certificat émis le .: **2009-10-28**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28648- 19 | 28648- 20 | 28648- 21 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279613 | 279615 | 279616 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-10-15 | 2009-10-15 | 2009-10-15 |
| B05- 1 Be | 93.6 mg/kg | 108 mg/kg | 101 mg/kg |



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**James McCann**
**100563 Lithium One Inc.**

| | | | | |
|---|---|---|---|---|
| Numéro COREM : | | 28648- 22 | 28648- 23 | 28648- 24 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 279939 | 279941 | 279943 |
| A45- 1 | Analyse | 2009-10-19 | 2009-10-19 | 2009-10-19 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 9.2 % | 9.0 % | 8.9 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.31 % | 0.19 % | 0.24 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.58 % | 0.63 % | 0.57 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 1.8 % | 2.5 % | 2.4 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | 0.06 % | 0.05 % | 0.07 % |
| A45- 1 | Mn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 3.6 % | 3.2 % | 2.9 % |
| A45- 1 | Nb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 50 % | 50 % | 50 % |
| A45- 1 | P | 0.26 % | 0.19 % | 0.21 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 34 % | 34 % | 35 % |
| A45- 1 | Sn | < 0.01 % | 0.01 % | < 0.01 % |
| A45- 1 | Sr | < 0.01 % | < 0.01 % | 0.01 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | < 0.01 % |



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A45 et Be
Date de réception : **2009-09-15**
Certificat émis le .: **2009-10-28**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28648- 22 | 28648- 23 | 28648- 24 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279939 | 279941 | 279943 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-10-15 | 2009-10-15 | 2009-10-15 |
| B05- 1 Be | 82.8 mg/kg | 114 mg/kg | 260 mg/kg |



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**James McCann**

**100563 Lithium One Inc.**

| | | | | | |
|---|---|---|---|---|---|
| Numéro COREM : | | 28648- 25 | 28648- 26 | 28648- 27 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 279945 | 279947 | 279949 |
| A45- 1 | Analyse | 2009-10-19 | 2009-10-19 | 2009-10-19 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 9.3 % | 8.6 % | 8.4 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.21 % | 0.22 % | 0.25 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.81 % | 0.88 % | 0.64 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 2.8 % | 1.7 % | 2.0 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | 0.06 % | 0.08 % | 0.06 % |
| A45- 1 | Mn | 0.06 % | 0.09 % | < 0.05 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 2.9 % | 2.8 % | 3.1 % |
| A45- 1 | Nb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 50 % | 50 % | 50 % |
| A45- 1 | P | 0.23 % | 0.31 % | 0.18 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 34 % | 35 % | 35 % |
| A45- 1 | Sn | 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sr | 0.02 % | 0.01 % | 0.02 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | < 0.01 % |



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A45 et Be
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Certificat émis le .: **2009-10-28**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28648- 25 | 28648- 26 | 28648- 27 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279945 | 279947 | 279949 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-10-15 | 2009-10-15 | 2009-10-15 |
| B05- 1 Be | 181 mg/kg | 74.2 mg/kg | 90.7 mg/kg |



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| | | | | |
|---|---|---|---|---|
| Numéro COREM : | | 28648- 28 | 28648- 29 | 28648- 30 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 279951 | 279953 | 279955 |
| A45- 1 | Analyse | 2009-10-19 | 2009-10-19 | 2009-10-19 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 8.4 % | 8.7 % | 8.9 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.23 % | 0.21 % | 0.24 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.71 % | 0.65 % | 0.66 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 1.9 % | 2.5 % | 1.4 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mn | < 0.05 % | 0.07 % | 0.07 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 3.5 % | 2.7 % | 3.5 % |
| A45- 1 | Nb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 50 % | 50 % | 50 % |
| A45- 1 | P | 0.18 % | 0.23 % | 0.27 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 35 % | 35 % | 35 % |
| A45- 1 | Sn | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sr | 0.01 % | 0.01 % | < 0.01 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | < 0.01 % |



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**RAPPORT D'ANALYSE version 2**

Votre référence ...: **LSA-2009-17**

A45 et Be

Date de réception : **2009-09-15**

Certificat émis le .: **2009-10-28**

**James McCann**

**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 28648- 28 | 28648- 29 | 28648- 30 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279951 | 279953 | 279955 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-10-15 | 2009-10-15 | 2009-10-15 |
| B05- 1 Be | 124 mg/kg | 118 mg/kg | 135 mg/kg |



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A45 et Be

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**James McCann**

**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | | 28648- 31 | 28648- 32 |
| Nature : | | SOLIDES | SOLIDES |
| Désignation : | | 279957 | 279959 |
| A45- 1 | Analyse | 2009-10-19 | 2009-10-19 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 8.8 % | 9.1 % |
| A45- 1 | As | < 0.05 % | 0.07 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.28 % | 0.63 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.54 % | 1.2 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % |
| A45- 1 | K | 3.5 % | 2.3 % |
| A45- 1 | La | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | 0.06 % | 0.17 % |
| A45- 1 | Mn | < 0.05 % | 0.06 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 2.9 % | 3.0 % |
| A45- 1 | Nb | < 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % |
| A45- 1 | O | 49 % | 49 % |
| A45- 1 | P | 0.22 % | 0.41 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | 0.15 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 34 % | 33 % |
| A45- 1 | Sn | < 0.01 % | < 0.01 % |
| A45- 1 | Sr | 0.01 % | 0.02 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % |
| A45- 1 | Y | 0.01 % | < 0.01 % |



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**RAPPORT D'ANALYSE version 2**

Votre référence ...: **LSA-2009-17**
A45 et Be
Date de réception : **2009-09-15**
Certificat émis le .: **2009-10-28**

**James McCann**
**100563 Lithium One Inc.**

| | | |
|---|---|---|
| Numéro COREM : | 28648- 31 | 28648- 32 |
| Nature : | SOLIDES | SOLIDES |
| Désignation : | 279957 | 279959 |
| A45- 1 Zn | < 0.05 % | 0.20 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-10-15 | 2009-10-15 |
| B05- 1 Be | 87.9 mg/kg | 99.9 mg/kg |

28648- 22 A45- 1/Ag : Les désignations des échantillons 28648-22 à 32 ont été changées. Ce certificat annule et remplace celui émis précédemment.

Responsable :

Bernard Montminy, chimiste, M.Sc.
Directeur adjoint à la réalisation technique



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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**

A45 et Be

Date de réception : **2009-11-03**

Certificat émis le .: **2009-11-16**

**James McCann**

**100563 Lithium One Inc.**

| | | | | |
|---|---|---|---|---|
| Numéro COREM : | | 29169- 1 | 29169- 2 | 29169- 3 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 279804 | 279807 | 279809 |
| A45- 1 | Analyse | 2009-11-11 | 2009-11-11 | 2009-11-11 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 8.5 % | 9.2 % | 8.8 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | 0.06 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.13 % | 0.20 % | 0.34 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.55 % | 0.75 % | 1.1 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 2.8 % | 2.1 % | 3.1 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | 0.10 % | 0.12 % | 0.16 % |
| A45- 1 | Mn | < 0.05 % | 0.06 % | 0.05 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 4.3 % | 2.8 % | 3.3 % |
| A45- 1 | Nb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 49 % | 50 % | 49 % |
| A45- 1 | P | 0.15 % | 0.21 % | 0.28 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | 0.07 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 34 % | 35 % | 34 % |
| A45- 1 | Sn | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sr | < 0.01 % | 0.01 % | 0.02 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | 0.01 % | < 0.01 % | < 0.01 % |



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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 29169- 1 | 29169- 2 | 29169- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279804 | 279807 | 279809 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-11-06 | 2009-11-06 | 2009-11-06 |
| B05- 1 Be | 120 mg/kg | 117 mg/kg | 92.1 mg/kg |

**James McCann**
**100563 Lithium One Inc.**

| | | | | | |
|---|---|---|---|---|---|
| Numéro COREM : | | 29169- 4 | 29169- 5 | 29169- 6 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 279813 | 279816 | 279817 |
| A45- 1 | Analyse | 2009-11-11 | 2009-11-11 | 2009-11-11 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 8.8 % | 9.2 % | 9.1 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.22 % | 0.21 % | 0.31 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.80 % | 0.66 % | 0.77 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 3.4 % | 1.9 % | 1.8 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | 0.07 % | 0.07 % | < 0.05 % |
| A45- 1 | Mn | 0.06 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 2.9 % | 3.7 % | 4.3 % |
| A45- 1 | Nb | < 0.01 % | < 0.01 % | 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 49 % | 50 % | 49 % |
| A45- 1 | P | 0.31 % | 0.20 % | 0.23 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 34 % | 34 % | 34 % |
| A45- 1 | Sn | < 0.01 % | 0.01 % | < 0.01 % |
| A45- 1 | Sr | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | < 0.01 % |

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 29169- 4 | 29169- 5 | 29169- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 279813 | 279816 | 279817 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-11-06 | 2009-11-06 | 2009-11-06 |
| B05- 1 Be | 112 mg/kg | 104 mg/kg | 118 mg/kg |

COREM

**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**

A45 et Be

**James McCann**

**100563 Lithium One Inc.**

Date de réception : **2009-11-03**

Certificat émis le .: **2009-11-16**

| | | | | |
|---|---|---|---|---|
| Numéro COREM : | | 29169- 7 | 29169- 8 | 29169- 9 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 504 | 506 | 508 |
| A45- 1 | Analyse | 2009-11-11 | 2009-11-11 | 2009-11-11 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 8.8 % | 8.9 % | 5.8 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.23 % | 0.16 % | 0.16 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.84 % | 0.85 % | 0.60 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 2.9 % | 3.3 % | 2.7 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | 0.07 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 4.0 % | 3.1 % | 1.4 % |
| A45- 1 | Nb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 49 % | 49 % | 51 % |
| A45- 1 | P | 0.17 % | 0.19 % | 0.13 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 33 % | 34 % | 39 % |
| A45- 1 | Sn | 0.50 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sr | < 0.01 % | 0.01 % | 0.01 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | < 0.01 % |



**COREM**
1180, rue de la Minéralogie, Québec (Québec) Canada G1N 1X7
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COREM

**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
A45 et Be
Date de réception : **2009-11-03**
Certificat émis le .: **2009-11-16**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 29169- 7 | 29169- 8 | 29169- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 504 | 506 | 508 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-11-06 | 2009-11-06 | 2009-11-06 |
| B05- 1 Be | 89.5 mg/kg | 136 mg/kg | 34.4 mg/kg |



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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
A45 et Be
Date de réception : **2009-11-03**
Certificat émis le .: **2009-11-16**

**James McCann**
**100563 Lithium One Inc.**

| | | | | |
|---|---|---|---|---|
| Numéro COREM : | | 29169- 10 | 29169- 11 | 29169- 12 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 510 | 511 | 779 |
| A45- 1 | Analyse | 2009-11-11 | 2009-11-16 | 2009-11-16 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 9.1 % | 9.0 % | 9.2 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.21 % | 1.1 % | 0.36 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.77 % | 0.89 % | 0.69 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 2.1 % | 0.19 % | 2.6 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | 0.05 % | 0.16 % | 0.15 % |
| A45- 1 | Mn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 4.8 % | 7.4 % | 3.6 % |
| A45- 1 | Nb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 49 % | 49 % | 49 % |
| A45- 1 | P | 0.17 % | 0.36 % | 0.27 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | 0.07 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 34 % | 32 % | 34 % |
| A45- 1 | Sn | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sr | < 0.01 % | 0.05 % | 0.01 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | < 0.01 % |



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COREM

**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
A45 et Be
Date de réception : **2009-11-03**
Certificat émis le .: **2009-11-16**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 29169- 10 | 29169- 11 | 29169- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 510 | 511 | 779 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-11-06 | 2009-11-06 | 2009-11-06 |
| B05- 1 Be | 86.5 mg/kg | 115 mg/kg | 132 mg/kg |



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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
A45 et Be
Date de réception : **2009-11-03**
Certificat émis le .: **2009-11-16**

**James McCann**
**100563 Lithium One Inc.**

| | | | | |
|---|---|---|---|---|
| Numéro COREM : | | 29169- 13 | 29169- 14 | 29169- 15 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 783 | 784 | 787 |
| A45- 1 | Analyse | 2009-11-16 | 2009-11-16 | 2009-11-16 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 9.4 % | 9.4 % | 9.5 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.24 % | 0.21 % | 0.23 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.70 % | 0.65 % | 0.67 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 0.49 % | 4.3 % | 4.0 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | 0.14 % | 0.09 % | 0.13 % |
| A45- 1 | Mn | 0.05 % | < 0.05 % | 0.06 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 3.5 % | 3.1 % | 3.3 % |
| A45- 1 | Nb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 50 % | 49 % | 49 % |
| A45- 1 | P | 0.22 % | 0.20 % | 0.30 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 35 % | 33 % | 33 % |
| A45- 1 | Sn | 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sr | < 0.01 % | 0.01 % | 0.01 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | < 0.01 % |



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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
A45 et Be
Date de réception : **2009-11-03**
Certificat émis le .: **2009-11-16**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 29169- 13 | 29169- 14 | 29169- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 783 | 784 | 787 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-11-06 | 2009-11-06 | 2009-11-06 |
| B05- 1 Be | 15.8 mg/kg | 52.5 mg/kg | 122 mg/kg |



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**James McCann**
**100563 Lithium One Inc.**

| | | | | |
|---|---|---|---|---|
| Numéro COREM : | | 29169- 16 | 29169- 17 | 29169- 18 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 789 | 790 | 793 |
| A45- 1 | Analyse | 2009-11-16 | 2009-11-16 | 2009-11-16 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 8.1 % | 8.4 % | 9.0 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.17 % | 0.10 % | 0.21 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.48 % | 0.56 % | 0.75 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 4.1 % | 6.1 % | 3.8 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | 0.11 % | 0.08 % | 0.22 % |
| A45- 1 | Mn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 3.5 % | 2.5 % | 2.7 % |
| A45- 1 | Nb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 49 % | 48 % | 49 % |
| A45- 1 | P | 0.23 % | 0.17 % | 0.19 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 34 % | 34 % | 34 % |
| A45- 1 | Sn | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sr | 0.01 % | 0.01 % | 0.01 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | < 0.01 % |

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 29169- 16 | 29169- 17 | 29169- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 789 | 790 | 793 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-11-06 | 2009-11-06 | 2009-11-06 |
| B05- 1 Be | 31.0 mg/kg | < 10.0 mg/kg | 42.1 mg/kg |

**James McCann**
**100563 Lithium One Inc.**

| | | | | |
|---|---|---|---|---|
| Numéro COREM : | | 29169- 19 | 29169- 20 | 29169- 21 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 796 | 799 | 802 |
| A45- 1 | Analyse | 2009-11-16 | 2009-11-16 | 2009-11-16 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 9.4 % | 9.2 % | 9.2 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.18 % | 0.15 % | 0.18 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.92 % | 0.86 % | 0.70 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 4.4 % | 3.5 % | 1.8 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | 0.07 % | 0.06 % | < 0.05 % |
| A45- 1 | Mn | 0.12 % | 0.09 % | < 0.05 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 2.3 % | 2.7 % | 4.4 % |
| A45- 1 | Nb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 49 % | 49 % | 49 % |
| A45- 1 | P | 0.45 % | 0.30 % | 0.21 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 33 % | 34 % | 34 % |
| A45- 1 | Sn | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sr | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | < 0.01 % |

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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
A45 et Be
Date de réception : **2009-11-03**
Certificat émis le .: **2009-11-16**

**James McCann**
**100563 Lithium One Inc.**

| | | | | |
|---|---|---|---|---|
| Numéro COREM : | | 29169- 19 | 29169- 20 | 29169- 21 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 796 | 799 | 802 |
| A45- 1 | Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 | Analyse | 2009-11-06 | 2009-11-06 | 2009-11-06 |
| B05- 1 | Be | 32.9 mg/kg | 121 mg/kg | 234 mg/kg |



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A45 et Be
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Certificat émis le .: **2009-11-16**

**James McCann**
**100563 Lithium One Inc.**

| | | | | | |
|---|---|---|---|---|---|
| Numéro COREM : | | 29169- 22 | 29169- 23 | 29169- 24 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 805 | 1015 | 1017 |
| A45- 1 | Analyse | 2009-11-16 | 2009-11-16 | 2009-11-16 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 9.5 % | 9.6 % | 10 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.22 % | 0.34 % | 0.15 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.47 % | 0.39 % | 0.68 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 3.5 % | 1.2 % | 3.4 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | < 0.05 % | 0.06 % | < 0.05 % |
| A45- 1 | Mn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 4.6 % | 6.2 % | 1.8 % |
| A45- 1 | Nb | < 0.01 % | 0.07 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 49 % | 49 % | 50 % |
| A45- 1 | P | 0.24 % | 0.29 % | 0.34 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 33 % | 33 % | 34 % |
| A45- 1 | Sn | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sr | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | < 0.01 % |



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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
A45 et Be
Date de réception : **2009-11-03**
Certificat émis le .: **2009-11-16**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 29169- 22 | 29169- 23 | 29169- 24 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 805 | 1015 | 1017 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-11-06 | 2009-11-06 | 2009-11-06 |
| B05- 1 Be | 60.9 mg/kg | 245 mg/kg | 26.8 mg/kg |



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**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | | 29169- 25 |
| Nature | : | | SOLIDES |
| Désignation | : | | 1020 |
| A45- 1 | Analyse | | 2009-11-16 |
| A45- 1 | Ag | | < 0.01 % |
| A45- 1 | Al | | 8.9 % |
| A45- 1 | As | | < 0.05 % |
| A45- 1 | Ba | | < 0.05 % |
| A45- 1 | Bi | | < 0.01 % |
| A45- 1 | Br | | < 0.05 % |
| A45- 1 | Ca | | 1.1 % |
| A45- 1 | Cd | | < 0.01 % |
| A45- 1 | Ce | | < 0.05 % |
| A45- 1 | Cl | | < 0.10 % |
| A45- 1 | Co | | < 0.05 % |
| A45- 1 | Cr | | < 0.05 % |
| A45- 1 | Cs | | < 0.05 % |
| A45- 1 | Cu | | < 0.05 % |
| A45- 1 | F | | 0.11 % |
| A45- 1 | Fe | | 1.2 % |
| A45- 1 | Ga | | < 0.05 % |
| A45- 1 | K | | 1.0 % |
| A45- 1 | La | | < 0.05 % |
| A45- 1 | Mg | | < 0.05 % |
| A45- 1 | Mn | | 0.24 % |
| A45- 1 | Mo | | < 0.01 % |
| A45- 1 | Na | | 2.3 % |
| A45- 1 | Nb | | < 0.01 % |
| A45- 1 | Ni | | < 0.05 % |
| A45- 1 | O | | 50 % |
| A45- 1 | P | | 2.0 % |
| A45- 1 | Pb | | < 0.01 % |
| A45- 1 | S | | < 0.05 % |
| A45- 1 | Sb | | < 0.01 % |
| A45- 1 | Sc | | < 0.01 % |
| A45- 1 | Se | | < 0.05 % |
| A45- 1 | Si | | 33 % |
| A45- 1 | Sn | | 0.01 % |
| A45- 1 | Sr | | 0.07 % |
| A45- 1 | Ta | | < 0.05 % |
| A45- 1 | Te | | < 0.05 % |
| A45- 1 | Th | | < 0.01 % |
| A45- 1 | Ti | | < 0.05 % |
| A45- 1 | Tl | | < 0.01 % |
| A45- 1 | V | | < 0.05 % |
| A45- 1 | W | | < 0.05 % |
| A45- 1 | Y | | < 0.01 % |

COREM

**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
A45 et Be
Date de réception : **2009-11-03**
Certificat émis le .: **2009-11-16**

**James McCann**
**100563 Lithium One Inc.**

| | | |
|---|---|---|
| Numéro COREM | : | 29169- 25 |
| Nature | : | SOLIDES |
| Désignation | : | 1020 |
| A45- 1 Zn | | < 0.05 % |
| A45- 1 Zr | | < 0.01 % |
| B05- 1 Analyse | | 2009-11-06 |
| B05- 1 Be | | 79.3 mg/kg |

Responsable :

Bernard Montminy, chimiste, M.Sc.
Directeur adjoint à la réalisation technique



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**RAPPORT D´ANALYSE version 1**

Votre référence ....: **LSA-2009-17**
A45 et Be
Date de réception : **2009-11-03**
Certificat émis le .: **2009-11-16**

**James McCann**
**100563 Lithium One Inc.**

| | | | | |
|---|---|---|---|---|
| Numéro COREM : | | 29170- 1 | 29170- 2 | 29170- 3 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 1023 | 1026 | 1596 |
| A45- 1 | Analyse | 2009-11-16 | 2009-11-16 | 2009-11-16 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 9.1 % | 8.8 % | 8.6 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | 0.096 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.17 % | 0.27 % | 0.95 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.69 % | 0.35 % | 1.6 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 2.9 % | 2.6 % | 1.8 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | 0.08 % | < 0.05 % | 0.22 % |
| A45- 1 | Mn | 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 3.8 % | 5.3 % | 4.2 % |
| A45- 1 | Nb | < 0.01 % | 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 49 % | 49 % | 49 % |
| A45- 1 | P | 0.28 % | 0.37 % | 0.46 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | 0.07 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 34 % | 33 % | 33 % |
| A45- 1 | Sn | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sr | < 0.01 % | < 0.01 % | 0.02 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | 0.10 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | < 0.01 % |



**COREM**
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Téléphone : (418) 527-8211 Télécopieur : (418) 527-4818

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 29170- 1 | 29170- 2 | 29170- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1023 | 1026 | 1596 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | 0.03 % |
| B05- 1 Analyse | 2009-11-06 | 2009-11-06 | 2009-11-06 |
| B05- 1 Be | 116 mg/kg | 146 mg/kg | 148 mg/kg |

COREM

**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**

A45 et Be

Date de réception : **2009-11-03**

Certificat émis le .: **2009-11-16**

**James McCann**

**100563 Lithium One Inc.**

| | | | | | |
|---|---|---|---|---|---|
| Numéro COREM : | | 29170- 4 | 29170- 5 | 29170- 6 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 1599 | 1602 | 1605 |
| A45- 1 | Analyse | 2009-11-16 | 2009-11-16 | 2009-11-16 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 10 % | 8.2 % | 8.8 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.18 % | 0.20 % | 0.19 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 1.2 % | 0.96 % | 0.51 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 2.5 % | 1.2 % | 1.4 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | < 0.05 % | 0.06 % | 0.06 % |
| A45- 1 | Mn | 0.11 % | 0.08 % | < 0.05 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 2.5 % | 3.1 % | 4.3 % |
| A45- 1 | Nb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 49 % | 50 % | 50 % |
| A45- 1 | P | 0.45 % | 0.32 % | 0.20 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 33 % | 36 % | 35 % |
| A45- 1 | Sn | < 0.01 % | < 0.01 % | 0.01 % |
| A45- 1 | Sr | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | < 0.01 % |



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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 29170- 4 | 29170- 5 | 29170- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1599 | 1602 | 1605 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-11-06 | 2009-11-06 | 2009-11-06 |
| B05- 1 Be | 91.9 mg/kg | 206 mg/kg | 119 mg/kg |

**James McCann**
**100563 Lithium One Inc.**

| | | | | |
|---|---|---|---|---|
| Numéro COREM : | | 29170- 7 | 29170- 8 | 29170- 9 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 1608 | 1609 | 2029 |
| A45- 1 | Analyse | 2009-11-16 | 2009-11-16 | 2009-11-16 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 8.6 % | 8.9 % | 9.0 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.18 % | 0.28 % | 0.33 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.89 % | 0.71 % | 0.56 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 1.7 % | 2.6 % | 1.5 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | < 0.05 % | < 0.05 % | 0.07 % |
| A45- 1 | Mn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 3.6 % | 3.6 % | 5.6 % |
| A45- 1 | Nb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 50 % | 49 % | 49 % |
| A45- 1 | P | 0.21 % | 0.31 % | 0.23 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 35 % | 34 % | 34 % |
| A45- 1 | Sn | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sr | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | < 0.01 % |

COREM

**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
A45 et Be
Date de réception : **2009-11-03**
Certificat émis le .: **2009-11-16**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 29170- 7 | 29170- 8 | 29170- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 1608 | 1609 | 2029 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-11-06 | 2009-11-06 | 2009-11-06 |
| B05- 1 Be | 154 mg/kg | 178 mg/kg | 136 mg/kg |



**COREM**
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**James McCann**
**100563 Lithium One Inc.**

| | | | | |
|---|---|---|---|---|
| Numéro COREM : | | 29170- 10 | 29170- 11 | 29170- 12 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 2032 | 2035 | 2038 |
| A45- 1 | Analyse | 2009-11-16 | 2009-11-16 | 2009-11-16 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 8.9 % | 9.1 % | 9.0 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.20 % | 0.21 % | 0.15 % |
| A45- 1 | Cd | 0.04 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.80 % | 0.83 % | 0.94 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 1.6 % | 2.7 % | 2.7 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | 0.08 % | 0.07 % | < 0.05 % |
| A45- 1 | Mn | 0.08 % | 0.06 % | 0.05 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 3.3 % | 2.5 % | 2.9 % |
| A45- 1 | Nb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 50 % | 50 % | 50 % |
| A45- 1 | P | 0.20 % | 0.25 % | 0.21 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 35 % | 35 % | 34 % |
| A45- 1 | Sn | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sr | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | < 0.01 % |

COREM

**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
A45 et Be
Date de réception : **2009-11-03**
Certificat émis le .: **2009-11-16**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 29170- 10 | 29170- 11 | 29170- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2032 | 2035 | 2038 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-11-06 | 2009-11-06 | 2009-11-06 |
| B05- 1 Be | 121 mg/kg | 64.5 mg/kg | 116 mg/kg |



**COREM**
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COREM

**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**

A45 et Be

Date de réception : **2009-11-03**

Certificat émis le .: **2009-11-16**

**James McCann**

**100563 Lithium One Inc.**

| | | | | |
|---|---|---|---|---|
| Numéro COREM : | | 29170- 13 | 29170- 14 | 29170- 15 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 2041 | 2045 | 2048 |
| A45- 1 | Analyse | 2009-11-16 | 2009-11-16 | 2009-11-16 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 8.7 % | 9.0 % | 8.8 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.14 % | 0.19 % | 0.20 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.90 % | 0.97 % | 0.61 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 4.5 % | 1.2 % | 5.6 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mn | < 0.05 % | 0.08 % | 0.07 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 2.0 % | 3.3 % | 1.8 % |
| A45- 1 | Nb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 49 % | 50 % | 49 % |
| A45- 1 | P | 0.22 % | 0.23 % | 0.37 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 34 % | 35 % | 34 % |
| A45- 1 | Sn | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sr | < 0.01 % | < 0.01 % | 0.01 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | < 0.01 % |



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**James McCann**
**100563 Lithium One Inc.**

| | | | | |
|---|---|---|---|---|
| Numéro COREM : | | 29170- 13 | 29170- 14 | 29170- 15 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 2041 | 2045 | 2048 |
| A45- 1 | Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 | Analyse | 2009-11-06 | 2009-11-06 | 2009-11-06 |
| B05- 1 | Be | 162 mg/kg | 135 mg/kg | 83.6 mg/kg |

COREM

**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
A45 et Be
Date de réception : **2009-11-03**
Certificat émis le .: **2009-11-16**

**James McCann**
**100563 Lithium One Inc.**

| | | | | |
|---|---|---|---|---|
| Numéro COREM : | | 29170- 16 | 29170- 17 | 29170- 18 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 2052 | 2055 | 2058 |
| A45- 1 | Analyse | 2009-11-16 | 2009-11-16 | 2009-11-16 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 7.0 % | 4.7 % | 7.0 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.18 % | 0.05 % | 0.16 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.44 % | 0.56 % | 0.69 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 1.1 % | 2.4 % | 0.80 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 2.9 % | 0.42 % | 2.0 % |
| A45- 1 | Nb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 51 % | 51 % | 51 % |
| A45- 1 | P | 0.15 % | 0.13 % | 0.20 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 38 % | 40 % | 38 % |
| A45- 1 | Sn | 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sr | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | < 0.01 % |



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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
A45 et Be
Date de réception : **2009-11-03**
Certificat émis le .: **2009-11-16**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 29170- 16 | 29170- 17 | 29170- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2052 | 2055 | 2058 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-11-11 | 2009-11-11 | 2009-11-11 |
| B05- 1 Be | 170 mg/kg | 40.8 mg/kg | 45.9 mg/kg |



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**100563 Lithium One Inc.**

| | | | | | |
|---|---|---|---|---|---|
| Numéro COREM : | | 29170- 19 | 29170- 20 | 29170- 21 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 2060 | 2133 | 2134 |
| A45- 1 | Analyse | 2009-11-16 | 2009-11-16 | 2009-11-16 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 9.7 % | 8.9 % | 9.5 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.30 % | 0.12 % | 0.14 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | < 0.05 % | 0.11 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.67 % | 0.88 % | 0.87 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 1.6 % | 1.7 % | 3.4 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | 0.08 % | 0.08 % | < 0.05 % |
| A45- 1 | Mn | < 0.05 % | < 0.05 % | 0.06 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 4.9 % | 4.2 % | 1.6 % |
| A45- 1 | Nb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 49 % | 50 % | 50 % |
| A45- 1 | P | 0.16 % | 0.14 % | 0.22 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 33 % | 34 % | 34 % |
| A45- 1 | Sn | < 0.01 % | < 0.01 % | 0.01 % |
| A45- 1 | Sr | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | < 0.01 % |

**James McCann**
**100563 Lithium One Inc.**

| | | | | |
|---|---|---|---|---|
| Numéro COREM : | | 29170- 19 | 29170- 20 | 29170- 21 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 2060 | 2133 | 2134 |
| A45- 1 | Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 | Analyse | 2009-11-11 | 2009-11-11 | 2009-11-11 |
| B05- 1 | Be | 84.3 mg/kg | 111 mg/kg | 125 mg/kg |

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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**

A45 et Be

**James McCann**

**100563 Lithium One Inc.**

Date de réception : **2009-11-03**

Certificat émis le .: **2009-11-16**

| | | | | | |
|---|---|---|---|---|---|
| Numéro COREM : | | 29170- 22 | 29170- 23 | 29170- 24 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 2135 | 2136 | 2501 |
| A45- 1 | Analyse | 2009-11-16 | 2009-11-16 | 2009-11-16 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 8.9 % | 9.0 % | 8.7 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.12 % | 0.15 % | 0.18 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.56 % | 0.48 % | 0.55 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 6.5 % | 4.4 % | 2.6 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | 0.06 % | 0.06 % | 0.09 % |
| A45- 1 | Mn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 1.5 % | 2.9 % | 3.6 % |
| A45- 1 | Nb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 49 % | 49 % | 49 % |
| A45- 1 | P | 0.18 % | 0.21 % | 0.18 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 34 % | 34 % | 34 % |
| A45- 1 | Sn | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sr | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | 0.01 % | < 0.01 % | < 0.01 % |



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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
A45 et Be
Date de réception : **2009-11-03**
Certificat émis le .: **2009-11-16**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 29170- 22 | 29170- 23 | 29170- 24 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2135 | 2136 | 2501 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-11-11 | 2009-11-11 | 2009-11-11 |
| B05- 1 Be | 96.7 mg/kg | 87.0 mg/kg | 130 mg/kg |



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A45 et Be

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Certificat émis le .: **2009-11-16**

**James McCann**

**100563 Lithium One Inc.**

| | | | | | |
|---|---|---|---|---|---|
| Numéro COREM : | | 29170- 25 | 29170- 26 | 29170- 27 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 2504 | 2507 | 2510 |
| A45- 1 | Analyse | 2009-11-16 | 2009-11-16 | 2009-11-16 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 9.9 % | 9.2 % | 8.9 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.24 % | 0.17 % | 0.13 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | 0.05 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.62 % | 0.57 % | 0.59 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 2.9 % | 2.7 % | 1.8 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | 0.12 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mn | 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 3.2 % | 3.0 % | 3.6 % |
| A45- 1 | Nb | < 0.01 % | < 0.01 % | 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 49 % | 50 % | 50 % |
| A45- 1 | P | 0.24 % | 0.19 % | 0.14 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 33 % | 34 % | 35 % |
| A45- 1 | Sn | < 0.01 % | < 0.01 % | 0.11 % |
| A45- 1 | Sr | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | < 0.01 % |



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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
A45 et Be
Date de réception : **2009-11-03**
Certificat émis le .: **2009-11-16**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 29170- 25 | 29170- 26 | 29170- 27 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2504 | 2507 | 2510 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-11-11 | 2009-11-11 | 2009-11-11 |
| B05- 1 Be | 221 mg/kg | 55.0 mg/kg | 123 mg/kg |



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A45 et Be

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**James McCann**

**100563 Lithium One Inc.**

| | | | | | |
|---|---|---|---|---|---|
| Numéro COREM : | | 29170- 28 | 29170- 29 | 29170- 30 |
| Nature : | | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | | 2513 | 2516 | 2517 |
| A45- 1 | Analyse | 2009-11-16 | 2009-11-16 | 2009-11-16 |
| A45- 1 | Ag | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Al | 9.4 % | 9.8 % | 9.1 % |
| A45- 1 | As | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ba | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Bi | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Br | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Ca | 0.20 % | 0.14 % | 0.15 % |
| A45- 1 | Cd | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ce | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cl | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Co | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cr | < 0.05 % | 0.06 % | < 0.05 % |
| A45- 1 | Cs | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Cu | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | F | < 0.10 % | < 0.10 % | < 0.10 % |
| A45- 1 | Fe | 0.60 % | 0.62 % | 0.64 % |
| A45- 1 | Ga | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | K | 2.3 % | 2.0 % | 3.6 % |
| A45- 1 | La | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Mg | 0.096 % | 0.08 % | < 0.05 % |
| A45- 1 | Mn | < 0.05 % | 0.06 % | < 0.05 % |
| A45- 1 | Mo | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Na | 4.1 % | 2.8 % | 4.3 % |
| A45- 1 | Nb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ni | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | O | 49 % | 50 % | 49 % |
| A45- 1 | P | 0.18 % | 0.18 % | 0.21 % |
| A45- 1 | Pb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | S | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Sb | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sc | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Se | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Si | 34 % | 34 % | 33 % |
| A45- 1 | Sn | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Sr | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ta | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Te | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Th | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | Ti | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Tl | < 0.01 % | < 0.01 % | < 0.01 % |
| A45- 1 | V | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | W | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 | Y | < 0.01 % | < 0.01 % | 0.01 % |



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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
A45 et Be
Date de réception : **2009-11-03**
Certificat émis le .: **2009-11-16**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 29170- 28 | 29170- 29 | 29170- 30 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 2513 | 2516 | 2517 |
| A45- 1 Zn | < 0.05 % | < 0.05 % | < 0.05 % |
| A45- 1 Zr | < 0.01 % | < 0.01 % | < 0.01 % |
| B05- 1 Analyse | 2009-11-11 | 2009-11-11 | 2009-11-11 |
| B05- 1 Be | 142 mg/kg | 62.0 mg/kg | 111 mg/kg |

Responsable :

Bernard Montminy,chimiste,M.Sc.
Directeur adjoint à la réalisation technique



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COREM

# RAPPORT D´ANALYSE version 1

Votre référence ...: **REPRISE**
REPRISE
Date de réception : **2010-02-09**
Certificat émis le .: **2010-02-11**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 30304- 1 | |
| Nature | : | SOLIDES | |
| Désignation | : | 1020 Réf:29169-25 | |
| A45- 1 | Analyse | 2010-02-11 | |
| A45- 1 | Ag | < 0.01 | % |
| A45- 1 | Al | 8.0 | % |
| A45- 1 | As | < 0.05 | % |
| A45- 1 | Ba | < 0.05 | % |
| A45- 1 | Bi | < 0.01 | % |
| A45- 1 | Br | < 0.05 | % |
| A45- 1 | Ca | 0.94 | % |
| A45- 1 | Cd | < 0.01 | % |
| A45- 1 | Ce | < 0.05 | % |
| A45- 1 | Cl | < 0.10 | % |
| A45- 1 | Co | < 0.05 | % |
| A45- 1 | Cr | < 0.05 | % |
| A45- 1 | Cs | < 0.05 | % |
| A45- 1 | Cu | < 0.05 | % |
| A45- 1 | F | < 0.10 | % |
| A45- 1 | Fe | 1.0 | % |
| A45- 1 | Ga | < 0.05 | % |
| A45- 1 | K | 0.94 | % |
| A45- 1 | La | < 0.05 | % |
| A45- 1 | Mg | 0.08 | % |
| A45- 1 | Mn | 0.20 | % |
| A45- 1 | Mo | < 0.01 | % |
| A45- 1 | Na | 2.1 | % |
| A45- 1 | Nb | < 0.01 | % |
| A45- 1 | Ni | < 0.05 | % |
| A45- 1 | O | 46 | % |
| A45- 1 | P | 1.9 | % |
| A45- 1 | Pb | < 0.01 | % |
| A45- 1 | S | < 0.05 | % |
| A45- 1 | Sb | < 0.01 | % |
| A45- 1 | Sc | < 0.01 | % |
| A45- 1 | Se | < 0.05 | % |
| A45- 1 | Si | 30 | % |
| A45- 1 | Sn | < 0.01 | % |
| A45- 1 | Sr | 0.03 | % |
| A45- 1 | Ta | < 0.05 | % |
| A45- 1 | Te | < 0.05 | % |
| A45- 1 | Th | < 0.01 | % |
| A45- 1 | Ti | < 0.05 | % |
| A45- 1 | Tl | < 0.01 | % |
| A45- 1 | V | < 0.05 | % |
| A45- 1 | W | < 0.05 | % |
| A45- 1 | Y | < 0.01 | % |



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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **REPRISE**
REPRISE
Date de réception : **2010-02-09**
Certificat émis le .: **2010-02-11**

**James McCann**
**100563 Lithium One Inc.**

| | | |
|---|---|---|
| Numéro COREM | : | 30304- 1 |
| Nature | : | SOLIDES |
| Désignation | : | 1020 Réf:29169-25 |
| A45- 1 Zn | | < 0.05 % |
| A45- 1 Zr | | < 0.01 % |

Responsable :

Bernard Montminy,chimiste,M.Sc.
Directeur adjoint à la réalisation technique



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## ANNEX 8: List of Certificates COREM [B23] assays on channel samples

2009-CHANNEL SAMPLES # & COREM Certificate #

| COREM | | | | COREM | | |
|---|---|---|---|---|---|---|
| Assay | Assay # | Certificate # | | Assay | Assay # | Certificate # |
| (#) | from-to | | | (#) | from-to | |
| 20 | 901-920 | COREM28473 | | 20 | 1921-1947 | COREM27938 |
| 20 | 921-940 | COREM28474 | | 20 | 1948-1967 | COREM28570 |
| 7 | 940-947 | COREM28499 | | 20 | 1968-1996 | COREM28571 |
| 20 | 1901-1920 | COREM28537 | | | | |

2010-CHANNEL SAMPLES # & COREM Certificate #

| COREM | | | | COREM | | |
|---|---|---|---|---|---|---|
| Assay | Assay # | Certificate # | | Assay | Assay # | Certificate # |
| (#) | from-to | | | (#) | from-to | |
| 20 | 23001-23020 | COREM33429 | | 20 | 23190-23209 | COREM33464 |
| 20 | 23021-23040 | COREM33430 | | 19 | 23210-23229 | COREM33465 |
| 20 | 23041-23060 | COREM33431 | | 20 | 23230-23249 | COREM33466 |
| 20 | 23061-23080 | COREM33410 | | 20 | 23250-23269 | COREM33467 |
| 20 | 23081-23100 | COREM33433 | | 20 | 23270-23289 | COREM33468 |
| 20 | 23101-23120 | COREM33434 | | 20 | 23290-23309 | COREM33469 |
| 20 | 23121-23140 | COREM33435 | | 20 | 23310-23329 | COREM33470 |
| 20 | 23141-23160 | COREM33436 | | 20 | 23330-23349 | COREM33471 |
| 19 | 23161-23189 | COREM33437 | | 21 | 23350-23376 | COREM33472 |

23290-309

COREM

Lithium One Inc.

James McCann
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Toronto,Ontario
M5H 3P5

Ce rapport contient des renseignements protégés et confidentiels à l'intention du destinataire. Les résultats ne se rapportent qu'aux échantillons soumis à l'analyse. Cette version remplace et annule toute version antérieure, le cas échéant. * Analyse faite par un sous-traitant.

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 33469- 1 | 33469- 2 | 33469- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23290 | 23291 | 23292 |
| B23- 1 Analyse | 2010-10-13 | 2010-10-13 | 2010-10-13 |
| B23- 1 Li | 0.674 % | 0.551 % | 0.539 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33469- 4 | 33469- 5 | 33469- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23293 | 23294 | 23295 |
| B23- 1 Analyse | 2010-10-13 | 2010-10-13 | 2010-10-13 |
| B23- 1 Li | 0.877 % | 0.373 % | < 50.0 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33469- 7 | 33469- 8 | 33469- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23296 | 23297 | 23298 |
| B23- 1 Analyse | 2010-10-13 | 2010-10-13 | 2010-10-13 |
| B23- 1 Li | 0.976 % | 0.672 % | 0.811 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33469- 10 | 33469- 11 | 33469- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23299 | 23300 | 23301 |
| B23- 1 Analyse | 2010-10-13 | 2010-10-13 | 2010-10-13 |
| B23- 1 Li | 0.634 % | 0.294 % | 65.0 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33469- 13 | 33469- 14 | 33469- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23302 | 23303 | 23304 |
| B23- 1 Analyse | 2010-10-13 | 2010-10-13 | 2010-10-13 |
| B23- 1 Li | 0.795 % | 1.21 % | 0.812 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33469- 16 | 33469- 17 | 33469- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23305 | 23306 | 23307 |
| B23- 1 Analyse | 2010-10-13 | 2010-10-13 | 2010-10-13 |
| B23- 1 Li | 0.286 % | 0.522 % | 0.561 % |

COREM

# RAPPORT D´ANALYSE version 1

Votre référence ...: **LSA-2009-17**
23290 à 23309
Date de réception : **2010-09-16**
Certificat émis le .: **2010-10-13**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 33469- 19 | 33469- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 23308 | 23309 |
| B23- 1 Analyse | | 2010-10-13 | 2010-10-13 |
| B23- 1 Li | | 0.540 % | 0.270 % |

Responsable :

Bernard Montminy, chimiste, M.Sc.
Directeur adjoint à la réalisation technique



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23310 - 23329

COREM

Lithium One Inc.

James McCann
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M5H 3P5

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 33470- 1 | 33470- 2 | 33470- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23310 | 23311 | 23312 |
| B23- 1 Analyse | 2010-10-13 | 2010-10-13 | 2010-10-13 |
| B23- 1 Li | 0.172 % | 0.418 % | 0.206 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33470- 4 | 33470- 5 | 33470- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23313 | 23314 | 23315 |
| B23- 1 Analyse | 2010-10-13 | 2010-10-13 | 2010-10-13 |
| B23- 1 Li | 0.784 % | 0.716 % | 0.373 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33470- 7 | 33470- 8 | 33470- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23316 | 23317 | 23318 |
| B23- 1 Analyse | 2010-10-13 | 2010-10-13 | 2010-10-13 |
| B23- 1 Li | 0.857 % | 0.716 % | 0.239 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33470- 10 | 33470- 11 | 33470- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23319 | 23320 | 23321 |
| B23- 1 Analyse | 2010-10-13 | 2010-10-13 | 2010-10-13 |
| B23- 1 Li | 0.452 % | 0.525 % | 0.807 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33470- 13 | 33470- 14 | 33470- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23322 | 23323 | 23324 |
| B23- 1 Analyse | 2010-10-13 | 2010-10-13 | 2010-10-13 |
| B23- 1 Li | 0.730 % | 0.704 % | 0.808 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33470- 16 | 33470- 17 | 33470- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23325 | 23326 | 23327 |
| B23- 1 Analyse | 2010-10-13 | 2010-10-13 | 2010-10-13 |
| B23- 1 Li | 0.947 % | 0.853 % | 0.759 % |

COREM

**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
23310 à 23329
Date de réception : **2010-09-16**
Certificat émis le .: **2010-10-13**

**James McCann**
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| | | | |
|---|---|---|---|
| Numéro COREM | : | 33470- 19 | 33470- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 23328 | 23329 |
| B23- 1 Analyse | | 2010-10-13 | 2010-10-13 |
| B23- 1 Li | | 0.326 % | 0.581 % |

Responsable :

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23250-269

COREM

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Téléphone : (418) 527-8211 Télécopieur : (418) 527-4818

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 33467- 1 | 33467- 2 | 33467- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23250 | 23251 | 23252 |
| B23- 1 Analyse | 2010-10-12 | 2010-10-12 | 2010-10-12 |
| B23- 1 Li | 0.871 % | 157 mg/kg | 0.159 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33467- 4 | 33467- 5 | 33467- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23253 | 23254 | 23255 |
| B23- 1 Analyse | 2010-10-12 | 2010-10-12 | 2010-10-12 |
| B23- 1 Li | 0.614 % | 339 mg/kg | 0.266 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33467- 7 | 33467- 8 | 33467- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23256 | 23257 | 23258 |
| B23- 1 Analyse | 2010-10-12 | 2010-10-12 | 2010-10-12 |
| B23- 1 Li | 0.601 % | 0.114 % | 0.502 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33467- 10 | 33467- 11 | 33467- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23259 | 23260 | 23261 |
| B23- 1 Analyse | 2010-10-12 | 2010-10-12 | 2010-10-12 |
| B23- 1 Li | 899 mg/kg | 0.640 % | 0.560 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33467- 13 | 33467- 14 | 33467- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23262 | 23263 | 23264 |
| B23- 1 Analyse | 2010-10-12 | 2010-10-12 | 2010-10-12 |
| B23- 1 Li | 0.722 % | 0.898 % | 0.184 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33467- 16 | 33467- 17 | 33467- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23265 | 23266 | 23267 |
| B23- 1 Analyse | 2010-10-12 | 2010-10-12 | 2010-10-12 |
| B23- 1 Li | 0.857 % | 0.822 % | 0.903 % |

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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
23250 à 23269
Date de réception : **2010-09-16**
Certificat émis le .: **2010-10-12**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 33467- 19 | 33467- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 23268 | 23269 |
| B23- 1 Analyse | | 2010-10-12 | 2010-10-12 |
| B23- 1 Li | | 0.813 % | 0.795 % |

Responsable :

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COREM

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 33468- 1 | 33468- 2 | 33468- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23270 | 23271 | 23272 |
| B23- 1 Analyse | 2010-10-12 | 2010-10-12 | 2010-10-12 |
| B23- 1 Li | 0.868 % | 0.557 % | 0.657 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33468- 4 | 33468- 5 | 33468- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23273 | 23274 | 23275 |
| B23- 1 Analyse | 2010-10-12 | 2010-10-12 | 2010-10-12 |
| B23- 1 Li | 0.682 % | 0.381 % | 0.911 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33468- 7 | 33468- 8 | 33468- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23276 | 23277 | 23278 |
| B23- 1 Analyse | 2010-10-12 | 2010-10-12 | 2010-10-12 |
| B23- 1 Li | 0.727 % | 1.05 % | 0.908 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33468- 10 | 33468- 11 | 33468- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23279 | 23280 | 23281 |
| B23- 1 Analyse | 2010-10-12 | 2010-10-12 | 2010-10-13 |
| B23- 1 Li | 0.746 % | 0.920 % | 0.600 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33468- 13 | 33468- 14 | 33468- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23282 | 23283 | 23284 |
| B23- 1 Analyse | 2010-10-13 | 2010-10-13 | 2010-10-13 |
| B23- 1 Li | 676 mg/kg | 0.679 % | 0.637 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33468- 16 | 33468- 17 | 33468- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23285 | 23286 | 23287 |
| B23- 1 Analyse | 2010-10-13 | 2010-10-13 | 2010-10-13 |
| B23- 1 Li | 0.496 % | 0.812 % | 0.731 % |

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## RAPPORT D'ANALYSE version 1

Votre référence ...: **LSA-2009-17**
23270 à 23289
Date de réception : **2010-09-16**
Certificat émis le .: **2010-10-13**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 33468- 19 | 33468- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 23288 | 23289 |
| B23- 1 Analyse | | 2010-10-13 | 2010-10-13 |
| B23- 1 Li | | 0.861 % | 1.20 % |

Responsable :

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Directeur adjoint à la réalisation technique

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23210-229

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**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
23210 à 23229
Date de réception : **2010-09-16**
Certificat émis le .: **2010-10-12**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 33465- 1 | 33465- 2 | 33465- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23210 | 23211 | 23212 |
| B23- 1 Analyse | 2010-10-08 | 2010-10-08 | 2010-10-08 |
| B23- 1 Li | 0.683 % | 0.369 % | 0.858 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33465- 4 | 33465- 5 | 33465- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23213 | 23214 | 23215 |
| B23- 1 Analyse | 2010-10-08 | 2010-10-08 | 2010-10-08 |
| B23- 1 Li | 0.740 % | 0.558 % | 0.745 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33465- 7 | 33465- 8 | 33465- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23216 | 23217 | 23218 |
| B23- 1 Analyse | 2010-10-08 | 2010-10-08 | 2010-10-08 |
| B23- 1 Li | 0.774 % | 0.701 % | 0.481 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33465- 10 | 33465- 11 | 33465- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23219 | 23220 | 23221 |
| B23- 1 Analyse | 2010-10-08 | 2010-10-08 | 2010-10-12 |
| B23- 1 Li | 0.423 % | 0.617 % | 0.786 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33465- 13 | 33465- 14 | 33465- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23222 | 23223 | 23224 |
| B23- 1 Analyse | 2010-10-12 | 2010-10-12 | 2010-10-12 |
| B23- 1 Li | 0.712 % | 0.790 % | 0.891 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33465- 16 | 33465- 17 | 33465- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23225 | 23226 | 23227 |
| B23- 1 Analyse | 2010-10-12 | 2010-10-12 | 2010-10-12 |
| B23- 1 Li | 1.00 % | 0.877 % | 0.224 % |



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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
23210 à 23229
Date de réception : **2010-09-16**
Certificat émis le .: **2010-10-12**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 33465- 19 | 33465- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 23228 | 23229 |
| B23- 1 Analyse | | 2010-10-12 | 2010-10-12 |
| B23- 1 Li | | 1.01 % | 0.383 % |

Responsable :

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COREM

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Votre référence ...: **LSA-2009-17**
23230 à 23249
Date de réception : **2010-09-16**
Certificat émis le .: **2010-10-12**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 33466- 1 | 33466- 2 | 33466- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23230 | 23231 | 23232 |
| B23- 1 Analyse | 2010-10-12 | 2010-10-12 | 2010-10-12 |
| B23- 1 Li | 0.304 % | 0.377 % | 0.295 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33466- 4 | 33466- 5 | 33466- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23233 | 23234 | 23235 |
| B23- 1 Analyse | 2010-10-12 | 2010-10-12 | 2010-10-12 |
| B23- 1 Li | < 50.0 mg/kg | 0.414 % | 0.392 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33466- 7 | 33466- 8 | 33466- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23236 | 23237 | 23238 |
| B23- 1 Analyse | 2010-10-12 | 2010-10-12 | 2010-10-12 |
| B23- 1 Li | 0.184 % | 0.197 % | 0.116 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33466- 10 | 33466- 11 | 33466- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23239 | 23240 | 23241 |
| B23- 1 Analyse | 2010-10-12 | 2010-10-12 | 2010-10-12 |
| B23- 1 Li | 1.03 % | 0.554 % | 0.504 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33466- 13 | 33466- 14 | 33466- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23242 | 23243 | 23244 |
| B23- 1 Analyse | 2010-10-12 | 2010-10-12 | 2010-10-12 |
| B23- 1 Li | 0.317 % | 0.613 % | 0.530 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33466- 16 | 33466- 17 | 33466- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23245 | 23246 | 23247 |
| B23- 1 Analyse | 2010-10-12 | 2010-10-12 | 2010-10-12 |
| B23- 1 Li | 1.08 % | 0.484 % | 0.585 % |



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23230 à 23249
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| | | | |
|---|---|---|---|
| Numéro COREM | : | 33466- 19 | 33466- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 23248 | 23249 |
| B23- 1 Analyse | | 2010-10-12 | 2010-10-12 |
| B23- 1 Li | | 0.540 % | 0.563 % |

Responsable :

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23161 - 169

COREM

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 33437- 1 | 33437- 2 | 33437- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23161 | 23162 | 23163 |
| B23- 1 Analyse | 2010-10-08 | 2010-10-08 | 2010-10-08 |
| B23- 1 Li | 0.725 % | 0.431 % | 0.346 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33437- 4 | 33437- 5 | 33437- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23164 | 23165 | 23166 |
| B23- 1 Analyse | 2010-10-08 | 2010-10-08 | 2010-10-08 |
| B23- 1 Li | 0.743 % | 0.851 % | 0.550 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33437- 7 | 33437- 8 | 33437- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23167 | 23168 | 23169 |
| B23- 1 Analyse | 2010-10-08 | 2010-10-08 | 2010-10-08 |
| B23- 1 Li | 0.376 % | 0.471 % | 0.390 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33437- 10 | 33437- 11 | 33437- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23170 | 23171 | 23172 |
| B23- 1 Analyse | 2010-10-08 | 2010-10-08 | 2010-10-08 |
| B23- 1 Li | 0.958 % | 0.594 % | 0.649 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33437- 13 | 33437- 14 | 33437- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23173 | 23174 | 23175 |
| B23- 1 Analyse | 2010-10-08 | 2010-10-08 | 2010-10-08 |
| B23- 1 Li | 0.755 % | 0.778 % | 0.781 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33437- 16 | 33437- 17 | 33437- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23176 | 23177 | 23178 |
| B23- 1 Analyse | 2010-10-08 | 2010-10-08 | 2010-10-08 |
| B23- 1 Li | 0.956 % | 0.685 % | 0.813 % |



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23161 à 23189
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| | | | |
|---|---|---|---|
| Numéro COREM : | 33437- 19 | 33437- 20 | 33437- 21 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23179 | 23180 | 23181 |
| B23- 1 Analyse | 2010-10-08 | 2010-10-08 | 2010-10-08 |
| B23- 1 Li | 0.425 % | 0.749 % | 0.913 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33437- 22 | 33437- 23 | 33437- 24 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23182 | 23183 | 23184 |
| B23- 1 Analyse | 2010-10-08 | 2010-10-08 | 2010-10-08 |
| B23- 1 Li | 0.789 % | 0.546 % | 0.999 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33437- 25 | 33437- 26 | 33437- 27 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23185 | 23186 | 23187 |
| B23- 1 Analyse | 2010-10-08 | 2010-10-08 | 2010-10-08 |
| B23- 1 Li | 0.766 % | 0.812 % | 0.644 % |

| | | |
|---|---|---|
| Numéro COREM : | 33437- 28 | 33437- 29 |
| Nature : | SOLIDES | SOLIDES |
| Désignation : | 23188 | 23189 |
| B23- 1 Analyse | 2010-10-08 | 2010-10-08 |
| B23- 1 Li | 0.479 % | 0.358 % |

Responsable :

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Directeur adjoint à la réalisation technique

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23190 - 23209

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23190 à 23209
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| | | | |
|---|---|---|---|
| Numéro COREM : | 33464- 1 | 33464- 2 | 33464- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23190 | 23191 | 23192 |
| B23- 1 Analyse | 2010-10-08 | 2010-10-08 | 2010-10-08 |
| B23- 1 Li | 0.593 % | 0.494 % | 0.646 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33464- 4 | 33464- 5 | 33464- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23193 | 23194 | 23195 |
| B23- 1 Analyse | 2010-10-08 | 2010-10-08 | 2010-10-08 |
| B23- 1 Li | 0.671 % | 0.957 % | 0.804 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33464- 7 | 33464- 8 | 33464- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23196 | 23197 | 23198 |
| B23- 1 Analyse | 2010-10-08 | 2010-10-08 | 2010-10-08 |
| B23- 1 Li | 0.504 % | 0.567 % | 0.662 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33464- 10 | 33464- 11 | 33464- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23199 | 23200 | 23201 |
| B23- 1 Analyse | 2010-10-08 | 2010-10-08 | 2010-10-08 |
| B23- 1 Li | 0.603 % | 0.617 % | 0.712 % |

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|---|---|---|---|
| Numéro COREM : | 33464- 13 | 33464- 14 | 33464- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23202 | 23203 | 23204 |
| B23- 1 Analyse | 2010-10-08 | 2010-10-08 | 2010-10-08 |
| B23- 1 Li | 0.781 % | 0.523 % | 0.959 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33464- 16 | 33464- 17 | 33464- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23205 | 23206 | 23207 |
| B23- 1 Analyse | 2010-10-08 | 2010-10-08 | 2010-10-08 |
| B23- 1 Li | 0.573 % | 0.524 % | 0.611 % |



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23190 à 23209
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|---|---|---|---|
| Numéro COREM | : | 33464- 19 | 33464- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 23208 | 23209 |
| B23- 1 Analyse | | 2010-10-08 | 2010-10-08 |
| B23- 1 Li | | 0.847 % | 0.874 % |

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23121-140

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23121 à 23140
Date de réception : **2010-09-14**
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| | | | |
|---|---|---|---|
| Numéro COREM : | 33435- 1 | 33435- 2 | 33435- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23121 | 23122 | 23123 |
| B23- 1 Analyse | 2010-10-07 | 2010-10-07 | 2010-10-07 |
| B23- 1 Li | 0.591 % | 0.394 % | 0.367 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33435- 4 | 33435- 5 | 33435- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23124 | 23125 | 23126 |
| B23- 1 Analyse | 2010-10-07 | 2010-10-07 | 2010-10-07 |
| B23- 1 Li | 0.499 % | 0.793 % | 0.747 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33435- 7 | 33435- 8 | 33435- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23127 | 23128 | 23129 |
| B23- 1 Analyse | 2010-10-07 | 2010-10-07 | 2010-10-07 |
| B23- 1 Li | 0.609 % | 0.796 % | 0.724 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33435- 10 | 33435- 11 | 33435- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23130 | 23131 | 23132 |
| B23- 1 Analyse | 2010-10-07 | 2010-10-07 | 2010-10-07 |
| B23- 1 Li | 0.839 % | 0.714 % | 0.573 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33435- 13 | 33435- 14 | 33435- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23133 | 23134 | 23135 |
| B23- 1 Analyse | 2010-10-07 | 2010-10-07 | 2010-10-07 |
| B23- 1 Li | 0.282 % | 0.691 % | 0.440 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33435- 16 | 33435- 17 | 33435- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23136 | 23137 | 23138 |
| B23- 1 Analyse | 2010-10-07 | 2010-10-07 | 2010-10-07 |
| B23- 1 Li | 0.809 % | 0.875 % | 0.611 % |



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23121 à 23140
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|---|---|---|---|
| Numéro COREM | : | 33435- 19 | 33435- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 23139 | 23140 |
| B23- 1 Analyse | | 2010-10-07 | 2010-10-07 |
| B23- 1 Li | | 0.430 % | 0.452 % |

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23141 -160

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| | | | |
|---|---|---|---|
| Numéro COREM : | 33436- 1 | 33436- 2 | 33436- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23141 | 23142 | 23143 |
| B23- 1 Analyse | 2010-10-07 | 2010-10-07 | 2010-10-07 |
| B23- 1 Li | 0.655 % | 0.807 % | 0.609 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33436- 4 | 33436- 5 | 33436- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23144 | 23145 | 23146 |
| B23- 1 Analyse | 2010-10-07 | 2010-10-07 | 2010-10-07 |
| B23- 1 Li | 0.620 % | 0.593 % | 0.825 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33436- 7 | 33436- 8 | 33436- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23147 | 23148 | 23149 |
| B23- 1 Analyse | 2010-10-07 | 2010-10-07 | 2010-10-07 |
| B23- 1 Li | 0.689 % | < 50.0 mg/kg | 0.452 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33436- 10 | 33436- 11 | 33436- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23150 | 23151 | 23152 |
| B23- 1 Analyse | 2010-10-07 | 2010-10-07 | 2010-10-07 |
| B23- 1 Li | 0.299 % | 0.805 % | 0.691 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33436- 13 | 33436- 14 | 33436- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23153 | 23154 | 23155 |
| B23- 1 Analyse | 2010-10-07 | 2010-10-07 | 2010-10-07 |
| B23- 1 Li | 0.751 % | 0.827 % | 0.712 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33436- 16 | 33436- 17 | 33436- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23156 | 23157 | 23158 |
| B23- 1 Analyse | 2010-10-07 | 2010-10-07 | 2010-10-07 |
| B23- 1 Li | 0.461 % | 0.667 % | 0.645 % |

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23141 à 23160
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|---|---|---|---|
| Numéro COREM | : | 33436- 19 | 33436- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 23159 | 23160 |
| B23- 1 Analyse | | 2010-10-07 | 2010-10-07 |
| B23- 1 Li | | 0.646 % | 0.413 % |

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23081-100

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| | | | |
|---|---|---|---|
| Numéro COREM : | 33433- 1 | 33433- 2 | 33433- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23081 | 23082 | 23083 |
| B23- 1 Analyse | 2010-10-06 | 2010-10-06 | 2010-10-06 |
| B23- 1 Li | 0.736 % | 0.732 % | 0.843 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33433- 4 | 33433- 5 | 33433- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23084 | 23085 | 23086 |
| B23- 1 Analyse | 2010-10-06 | 2010-10-06 | 2010-10-06 |
| B23- 1 Li | 0.564 % | < 50.0 mg/kg | 739 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33433- 7 | 33433- 8 | 33433- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23087 | 23088 | 23089 |
| B23- 1 Analyse | 2010-10-06 | 2010-10-06 | 2010-10-06 |
| B23- 1 Li | 0.856 % | 0.592 % | 0.902 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33433- 10 | 33433- 11 | 33433- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23090 | 23091 | 23092 |
| B23- 1 Analyse | 2010-10-06 | 2010-10-06 | 2010-10-06 |
| B23- 1 Li | 0.857 % | 0.652 % | 0.874 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33433- 13 | 33433- 14 | 33433- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23093 | 23094 | 23095 |
| B23- 1 Analyse | 2010-10-06 | 2010-10-06 | 2010-10-06 |
| B23- 1 Li | 0.628 % | 0.642 % | 0.658 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33433- 16 | 33433- 17 | 33433- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23096 | 23097 | 23098 |
| B23- 1 Analyse | 2010-10-06 | 2010-10-06 | 2010-10-06 |
| B23- 1 Li | 0.647 % | 0.916 % | 0.882 % |

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23081 à 23100
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| | | |
|---|---|---|
| Numéro COREM : | 33433- 19 | 33433- 20 |
| Nature : | SOLIDES | SOLIDES |
| Désignation : | 23099 | 23100 |
| B23- 1 Analyse | 2010-10-06 | 2010-10-06 |
| B23- 1 Li | 0.426 % | 0.392 % |

Responsable :

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23101-120

COREM

Lithium One Inc.

James McCann
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**COPIE DU RAPPORT D'ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
23101 à 23020
Date de réception : **2010-09-14**
Certificat émis le .: **2010-10-07**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 33434- 1 | 33434- 2 | 33434- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23101 | 23102 | 23103 |
| B23- 1 Analyse | 2010-10-07 | 2010-10-07 | 2010-10-07 |
| B23- 1 Li | 0.850 % | 0.611 % | 0.536 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33434- 4 | 33434- 5 | 33434- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23104 | 23105 | 23106 |
| B23- 1 Analyse | 2010-10-07 | 2010-10-07 | 2010-10-07 |
| B23- 1 Li | 0.812 % | 0.619 % | 0.360 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33434- 7 | 33434- 8 | 33434- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23107 | 23108 | 23109 |
| B23- 1 Analyse | 2010-10-07 | 2010-10-07 | 2010-10-07 |
| B23- 1 Li | 0.797 % | 1.40 % | 0.595 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33434- 10 | 33434- 11 | 33434- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23110 | 23111 | 23112 |
| B23- 1 Analyse | 2010-10-07 | 2010-10-07 | 2010-10-07 |
| B23- 1 Li | 0.774 % | 0.778 % | 0.652 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33434- 13 | 33434- 14 | 33434- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23113 | 23114 | 23115 |
| B23- 1 Analyse | 2010-10-07 | 2010-10-07 | 2010-10-07 |
| B23- 1 Li | 0.322 % | 0.537 % | 0.384 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33434- 16 | 33434- 17 | 33434- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23116 | 23117 | 23118 |
| B23- 1 Analyse | 2010-10-07 | 2010-10-07 | 2010-10-07 |
| B23- 1 Li | 0.783 % | 0.909 % | 0.825 % |



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23101 à 23020
Date de réception : **2010-09-14**
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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM | : | 33434- 19 | 33434- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 23119 | 23120 |
| B23- 1 Analyse | | 2010-10-07 | 2010-10-07 |
| B23- 1 Li | | 0.385 % | 0.927 % |

Responsable :

Bernard Montminy, chimiste, M.Sc.
Directeur adjoint à la réalisation technique

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23041 - 060

COREM

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**RAPPORT D'ANALYSE version 1**

Votre référence ...: **à venir**
23041 à 23060
Date de réception : **2010-09-14**
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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 33431- 1 | 33431- 2 | 33431- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23041 | 23042 | 23043 |
| B23- 1 Analyse | 2010-10-06 | 2010-10-06 | 2010-10-06 |
| B23- 1 Li | 0.637 % | 0.623 % | < 50.0 mg/kg |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33431- 4 | 33431- 5 | 33431- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23044 | 23045 | 23046 |
| B23- 1 Analyse | 2010-10-06 | 2010-10-06 | 2010-10-06 |
| B23- 1 Li | 0.724 % | 0.848 % | 0.689 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33431- 7 | 33431- 8 | 33431- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23047 | 23048 | 23049 |
| B23- 1 Analyse | 2010-10-06 | 2010-10-06 | 2010-10-06 |
| B23- 1 Li | 0.718 % | 0.660 % | 0.454 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33431- 10 | 33431- 11 | 33431- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23050 | 23051 | 23052 |
| B23- 1 Analyse | 2010-10-06 | 2010-10-06 | 2010-10-06 |
| B23- 1 Li | 0.594 % | 0.666 % | 0.650 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33431- 13 | 33431- 14 | 33431- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23053 | 23054 | 23055 |
| B23- 1 Analyse | 2010-10-06 | 2010-10-06 | 2010-10-06 |
| B23- 1 Li | 0.820 % | 0.352 % | 0.975 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33431- 16 | 33431- 17 | 33431- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23056 | 23057 | 23058 |
| B23- 1 Analyse | 2010-10-06 | 2010-10-06 | 2010-10-06 |
| B23- 1 Li | 0.995 % | 0.560 % | 0.828 % |



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23041 à 23060
Date de réception : **2010-09-14**
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| | | | |
|---|---|---|---|
| Numéro COREM | : | 33431- 19 | 33431- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 23059 | 23060 |
| B23- 1 Analyse | | 2010-10-06 | 2010-10-06 |
| B23- 1 Li | | 0.742 % | 0.698 % |

Responsable :

Bernard Montminy, chimiste, M.Sc.
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23061 - 080

COREM

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23061 à 23080
Date de réception : **2010-09-14**
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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 33432- 1 | 33432- 2 | 33432- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23061 | 23062 | 23063 |
| B23- 1 Analyse | 2010-10-06 | 2010-10-06 | 2010-10-06 |
| B23- 1 Li | 0.586 % | 0.517 % | 0.467 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33432- 4 | 33432- 5 | 33432- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23064 | 23065 | 23066 |
| B23- 1 Analyse | 2010-10-06 | 2010-10-06 | 2010-10-06 |
| B23- 1 Li | 0.611 % | 0.677 % | 0.770 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33432- 7 | 33432- 8 | 33432- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23067 | 23068 | 23069 |
| B23- 1 Analyse | 2010-10-06 | 2010-10-06 | 2010-10-06 |
| B23- 1 Li | 0.628 % | 0.247 % | 0.329 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33432- 10 | 33432- 11 | 33432- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23070 | 23071 | 23072 |
| B23- 1 Analyse | 2010-10-06 | 2010-10-06 | 2010-10-06 |
| B23- 1 Li | 0.775 % | 0.383 % | 0.439 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33432- 13 | 33432- 14 | 33432- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23073 | 23074 | 23075 |
| B23- 1 Analyse | 2010-10-06 | 2010-10-06 | 2010-10-06 |
| B23- 1 Li | 0.588 % | 0.340 % | 0.696 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33432- 16 | 33432- 17 | 33432- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23076 | 23077 | 23078 |
| B23- 1 Analyse | 2010-10-06 | 2010-10-06 | 2010-10-06 |
| B23- 1 Li | 0.396 % | 0.940 % | 0.954 % |



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23061 à 23080
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| | | |
|---|---|---|
| Numéro COREM : | 33432- 19 | 33432- 20 |
| Nature : | SOLIDES | SOLIDES |
| Désignation : | 23079 | 23080 |
| B23- 1 Analyse | 2010-10-06 | 2010-10-06 |
| B23- 1 Li | 0.782 % | 0.697 % |

Responsable :

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23001 - 020

COREM

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Votre référence ...: **LSA-2009-17**
23001 à 23020
Date de réception : **2010-09-14**
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**James McCann**
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| | | | |
|---|---|---|---|
| Numéro COREM : | 33429- 1 | 33429- 2 | 33429- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23001 | 23002 | 23003 |
| B23- 1 Analyse | 2010-10-05 | 2010-10-05 | 2010-10-05 |
| B23- 1 Li | 0.330 % | 0.633 % | 0.743 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33429- 4 | 33429- 5 | 33429- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23004 | 23005 | 23006 |
| B23- 1 Analyse | 2010-10-05 | 2010-10-05 | 2010-10-05 |
| B23- 1 Li | 0.824 % | 0.772 % | 0.608 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33429- 7 | 33429- 8 | 33429- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23007 | 23008 | 23009 |
| B23- 1 Analyse | 2010-10-05 | 2010-10-05 | 2010-10-05 |
| B23- 1 Li | 0.735 % | 0.865 % | 1.09 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33429- 10 | 33429- 11 | 33429- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23010 | 23011 | 23012 |
| B23- 1 Analyse | 2010-10-05 | 2010-10-05 | 2010-10-05 |
| B23- 1 Li | 0.714 % | 0.565 % | 0.566 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33429- 13 | 33429- 14 | 33429- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23013 | 23014 | 23015 |
| B23- 1 Analyse | 2010-10-05 | 2010-10-05 | 2010-10-05 |
| B23- 1 Li | 0.873 % | 0.848 % | 0.841 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33429- 16 | 33429- 17 | 33429- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23016 | 23017 | 23018 |
| B23- 1 Analyse | 2010-10-05 | 2010-10-05 | 2010-10-05 |
| B23- 1 Li | 0.725 % | 0.189 % | 0.377 % |



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23001 à 23020
Date de réception : **2010-09-14**
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| | | | |
|---|---|---|---|
| Numéro COREM | : | 33429- 19 | 33429- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 23019 | 23020 |
| B23- 1 Analyse | | 2010-10-05 | 2010-10-05 |
| B23- 1 Li | | 0.987 % | 0.918 % |

Responsable :

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Directeur adjoint à la réalisation technique

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23021-040

COREM

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23021 à 23040
Date de réception : **2010-09-14**
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| | | | |
|---|---|---|---|
| Numéro COREM : | 33430- 1 | 33430- 2 | 33430- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23021 | 23022 | 23023 |
| B23- 1 Analyse | 2010-10-05 | 2010-10-05 | 2010-10-05 |
| B23- 1 Li | 0.765 % | 0.644 % | 0.816 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33430- 4 | 33430- 5 | 33430- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23024 | 23025 | 23026 |
| B23- 1 Analyse | 2010-10-05 | 2010-10-05 | 2010-10-05 |
| B23- 1 Li | 0.838 % | 0.762 % | 0.716 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33430- 7 | 33430- 8 | 33430- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23027 | 23028 | 23029 |
| B23- 1 Analyse | 2010-10-05 | 2010-10-05 | 2010-10-05 |
| B23- 1 Li | 0.554 % | 0.855 % | 0.584 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33430- 10 | 33430- 11 | 33430- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23030 | 23031 | 23032 |
| B23- 1 Analyse | 2010-10-05 | 2010-10-05 | 2010-10-05 |
| B23- 1 Li | 0.412 % | 0.486 % | 0.656 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33430- 13 | 33430- 14 | 33430- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23033 | 23034 | 23035 |
| B23- 1 Analyse | 2010-10-05 | 2010-10-05 | 2010-10-05 |
| B23- 1 Li | 0.854 % | 0.783 % | 0.597 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33430- 16 | 33430- 17 | 33430- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23036 | 23037 | 23038 |
| B23- 1 Analyse | 2010-10-05 | 2010-10-05 | 2010-10-05 |
| B23- 1 Li | 0.677 % | 0.363 % | 0.663 % |



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23021 à 23040
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|---|---|---|---|
| Numéro COREM | : | 33430- 19 | 33430- 20 |
| Nature | : | SOLIDES | SOLIDES |
| Désignation | : | 23039 | 23040 |
| B23- 1 Analyse | | 2010-10-05 | 2010-10-05 |
| B23- 1 Li | | 0.579 % | 0.318 % |

Responsable :

Bernard Montminy, chimiste, M.Sc.
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23330 - 349

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**James McCann**
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| | | | |
|---|---|---|---|
| Numéro COREM : | 33471- 1 | 33471- 2 | 33471- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23330 | 23331 | 23332 |
| B23- 1 Analyse | 2010-10-13 | 2010-10-13 | 2010-10-13 |
| B23- 1 Li | 0.745 % | 0.749 % | 0.782 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33471- 4 | 33471- 5 | 33471- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23333 | 23334 | 23335 |
| B23- 1 Analyse | 2010-10-13 | 2010-10-13 | 2010-10-13 |
| B23- 1 Li | 0.770 % | 0.903 % | 0.751 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33471- 7 | 33471- 8 | 33471- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23336 | 23337 | 23338 |
| B23- 1 Analyse | 2010-10-13 | 2010-10-13 | 2010-10-13 |
| B23- 1 Li | < 50.0 mg/kg | 0.126 % | 0.353 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33471- 10 | 33471- 11 | 33471- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23339 | 23340 | 23341 |
| B23- 1 Analyse | 2010-10-13 | 2010-10-13 | 2010-10-14 |
| B23- 1 Li | 0.858 % | 0.998 % | 0.279 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33471- 13 | 33471- 14 | 33471- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23342 | 23343 | 23344 |
| B23- 1 Analyse | 2010-10-14 | 2010-10-14 | 2010-10-14 |
| B23- 1 Li | 762 mg/kg | 0.683 % | 1.01 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33471- 16 | 33471- 17 | 33471- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23345 | 23346 | 23347 |
| B23- 1 Analyse | 2010-10-14 | 2010-10-14 | 2010-10-14 |
| B23- 1 Li | 0.590 % | 0.770 % | 0.233 % |

COREM

## RAPPORT D´ANALYSE version 1

Votre référence ...: **LSA-2009-17**
23330 à 23349
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**James McCann**
**100563 Lithium One Inc.**

| | | |
|---|---|---|
| Numéro COREM : | 33471- 19 | 33471- 20 |
| Nature : | SOLIDES | SOLIDES |
| Désignation : | 23348 | 23349 |
| B23- 1 Analyse | 2010-10-14 | 2010-10-14 |
| B23- 1 Li | 0.639 % | 0.324 % |

Responsable :

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Directeur adjoint à la réalisation technique

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23350 - 376

COREM

Lithium One Inc.

James McCann
2700-130, Adellaide Street West

Toronto,Ontario
M5H 3P5

Ce rapport contient des renseignements protégés et confidentiels à l'intention du destinataire. Les résultats ne se rapportent qu'aux échantillons soumis à l'analyse. Cette version remplace et annule toute version antérieure, le cas échéant. * Analyse faite par un sous-traitant.

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**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 33472- 1 | 33472- 2 | 33472- 3 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23350 | 23351 | 23352 |
| B23- 1 Analyse | 2010-10-14 | 2010-10-14 | 2010-10-14 |
| B23- 1 Li | 665 mg/kg | 0.419 % | 0.470 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33472- 4 | 33472- 5 | 33472- 6 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23353 | 23354 | 23355 |
| B23- 1 Analyse | 2010-10-14 | 2010-10-14 | 2010-10-14 |
| B23- 1 Li | 0.560 % | 0.227 % | 0.707 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33472- 7 | 33472- 8 | 33472- 9 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23356 | 23357 | 23358 |
| B23- 1 Analyse | 2010-10-14 | 2010-10-14 | 2010-10-14 |
| B23- 1 Li | 0.804 % | 0.593 % | 0.789 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33472- 10 | 33472- 11 | 33472- 12 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23359 | 23360 | 23361 |
| B23- 1 Analyse | 2010-10-14 | 2010-10-14 | 2010-10-14 |
| B23- 1 Li | 0.386 % | 0.379 % | 0.486 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33472- 13 | 33472- 14 | 33472- 15 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23362 | 23363 | 23364 |
| B23- 1 Analyse | 2010-10-14 | 2010-10-14 | 2010-10-14 |
| B23- 1 Li | 0.981 % | 0.502 % | 0.644 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33472- 16 | 33472- 17 | 33472- 18 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23365 | 23366 | 23367 |
| B23- 1 Analyse | 2010-10-14 | 2010-10-14 | 2010-10-14 |
| B23- 1 Li | 0.772 % | 0.517 % | 0.108 % |

COREM

**RAPPORT D´ANALYSE version 1**

Votre référence ...: **LSA-2009-17**
23350 à 23376
Date de réception : **2010-09-16**
Certificat émis le .: **2010-10-14**

**James McCann**
**100563 Lithium One Inc.**

| | | | |
|---|---|---|---|
| Numéro COREM : | 33472- 19 | 33472- 20 | 33472- 21 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23368 | 23369 | 23370 |
| B23- 1 Analyse | 2010-10-14 | 2010-10-14 | 2010-10-14 |
| B23- 1 Li | 0.599 % | 0.789 % | 0.389 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33472- 22 | 33472- 23 | 33472- 24 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23371 | 23372 | 23373 |
| B23- 1 Analyse | 2010-10-14 | 2010-10-14 | 2010-10-14 |
| B23- 1 Li | 0.268 % | 0.635 % | 0.605 % |

| | | | |
|---|---|---|---|
| Numéro COREM : | 33472- 25 | 33472- 26 | 33472- 27 |
| Nature : | SOLIDES | SOLIDES | SOLIDES |
| Désignation : | 23374 | 23375 | 23376 |
| B23- 1 Analyse | 2010-10-14 | 2010-10-14 | 2010-10-14 |
| B23- 1 Li | 0.313 % | 0.489 % | 0.679 % |

Responsable :

Bernard Montminy,chimiste,M.Sc.
Directeur adjoint à la réalisation technique

Ce rapport contient des renseignements protégés et confidentiels à l'intention du destinataire. Les résultats ne se rapportent qu'aux échantillons soumis à l'analyse. Cette version remplace et annule toute version antérieure, le cas échéant. * Analyse faite par un sous-traitant.

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## ANNEX 9 Report on assaying and sampling quality by Dr. Jeff Jaacks

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***Memorandum***

*30 April 2010*

**To:** **James McCann, Iain Scarr, Patrick Highsmith**

**From:** **Jeff Jaacks**

**Subject:** **$Li_2O$ Check Analyses at ALS Chemex and SGS**

---

**The Issue.** In February of 2010, Lithium One observed that $Li_2O$ check analyses being conducted by SGS Laboratory were biased significantly higher (17%) than previous analyses obtained for similar drill intervals by COREM, the laboratory used to analyze drill samples from several drill campaigns. SGS was asked to re-check these analyses and reported back that their internal quality control audit had found that their quality control samples failed to meet their standards, even though the final analytical report had already been issued to Lithium One. SGS then reanalyzed these samples at their cost and re-issued the certificate. It was decided at that time to send additional samples to ALS Chemex for check analysis.

**SGS Check Analysis Program.** Approximately 119 samples were sent to SGS in the original check analysis program. This submittal included 5 high grade standards, 5 low grade standards and nine blanks, which were incorporated into the sample stream and blinded to the laboratory. The original COREM analyses were analyzed using a multistep, perchloric and hydrofluoric acid digestion method (Table A) with an Atomic Absorption finish. The SGS check samples were analyzed using a sodium peroxide fusion with an Atomic Absorption finish (Table A, SGS Method 9-8-40).

**ALS Chemex Check Analysis Program.** Another set of archive pulp samples was obtained from COREM for the ALS Chemex check analysis program. Approximately 140 samples were sent to ALS Chemex in the secondary check analysis program. This submittal included 10 high grade standards, 10 low grade standards, 10 blanks and 20 sets of duplicates were incorporated into the sample stream and blinded to the check analysis laboratory. Duplicates were prepared by splitting a subset of the archival pulps into 2 samples. The ALS Chemex check analyses were conducted on 0.4 gram of sample using a four acid digestion with a ICP-AES finish (Table A, ALS Chemex Method Li-OG63).

**Results**. The data is listed in Table A-1 of Appendix A. The analytical protocols were requested from each laboratory in order to identify the digestion protocol differences. These protocols can be found in Table A.

| Table A. Analytical Protocols | | |
|---|---|---|
| **COREM Protocol** | **SGS Method 9-8-40** | **ALS Method Li OG63** |
| A. Digestion<br><br>1. Weigh exactly about 0.50 g of the sample in a 50 ml Teflon beaker and prudently add 2 ml $HClO_4$ (perchloric acid) and 10 ml HF (hydrofluoric acid).<br>2. Heat on medium heat on a heating plate and evaporate to dryness.<br>3. Add 2 ml of $HClO_4$ and 10 ml of HF and heat again and evaporate to dryness.<br>4. Add once more, 2 ml of $HClO_4$ and evaporate to dryness till there is no emission of white fumes.<br>5. Start over the process using this time 10 ml of HCl (hydrochloric acid) and heat a few minutes (15 minutes). Add 25 ml of boiling water and boil on a heating plate till complete dissolution of the residue.<br>6. Transfer the solution to a 250 ml volumetric flask by rinsing the Teflon basin with small quantities of water and then complete with water to the reference line.<br><br>B. Analysis<br><br>1. The solution is analyzed by atomic absorption at lithium specified wavelength and the result is obtained by comparing to the lithium standard curve. | A. Digestion<br><br>1. 0.25 g of the sample is mixed with sodium peroxide in a zirconium crucible.<br>2. The sodium peroxide and sample are fused until they form a homogeneous melt.<br>3. The fusion melt is then cooled and re-dissolved in dilute hydrochloric acid. The fused and re-dissolved sample is now ready for analysis by atomic absorption.<br><br>B. Analysis<br><br>1. The solution is analyzed by atomic absorption at lithium specified wavelength and the result is obtained by comparing to the lithium standard curve. | A. Digestion<br><br>1. A ~ 0.4g sample is first digested with $HClO_4$, HF, and $HNO_3$ until dryness.<br>2. The residue is subsequently re-digested in concentrated HCl, cooled and topped up to volume.<br><br>B. Analysis<br><br>1. The samples are analyzed for Li by ICP-AES spectroscopy. The range is 0.01 – 10% Li. |

## Check Analysis Program QAQC Results

Standards and blanks and duplicates were submitted with the check analysis to monitor quality of the laboratory analyses and to examine if significant bias or imprecision would affect the results of the check analyses.

***Blanks.*** Results of the blank analyses are listed in Table 1 and depicted in Figure 1. The count, minimum, maximum, mean, standard deviation and lower detection limit (LDL) are stated in Table 1. In addition, the failure criteria of 5 times the detection limit (5xLDL) is listed, along with the number of samples exceeding 5 times the detection limit (#>5LDL), the passing count, and the percentage of samples within 5 times the detection limit (% Pass).

In Figure 1, the blank analyses are shown in sequence and use a different color for each laboratory. Corem results are indicated by the black dots, ALS results by the blue dots, SGS re-analyses results by the green dots, and the original SGS results with the lavender dots. The detection limit is indicated by the solid red line, the failure threshold of five times the detection limit is indicated by the dashed blue line.

| Statistics | COREM $Li_2O$ | ALS $Li_2O$ | SGS (new) $Li_2O$ | SGS (old) $Li_2O$ |
|---|---|---|---|---|
| Count | 10 | 10 | 9 | 8 |
| Min | 0.010 | 0.020 | 0.002 | 0.000 |
| Max | 0.010 | 0.022 | 0.009 | 0.004 |
| Mean | 0.010 | 0.020 | 0.003 | 0.002 |
| Std Dev | 0.000 | 0.000 | 0.002 | 0.001 |
| LDL | 0.01 | 0.02 | 0.01 | 0.01 |
| Blank | | | | |
| 5xLDL | 0.05 | 0.10 | 0.05 | 0.05 |
| #>5LDL | 0 | 0 | 0 | 0 |
| Passing Count | 10 | 10 | 9 | 8 |
| % Pass | 100 | 100 | 100 | 100 |
| % Failures | 0 | 0 | 0 | 0 |

Table 1. Blank analyses at participating check analysis laboratories.

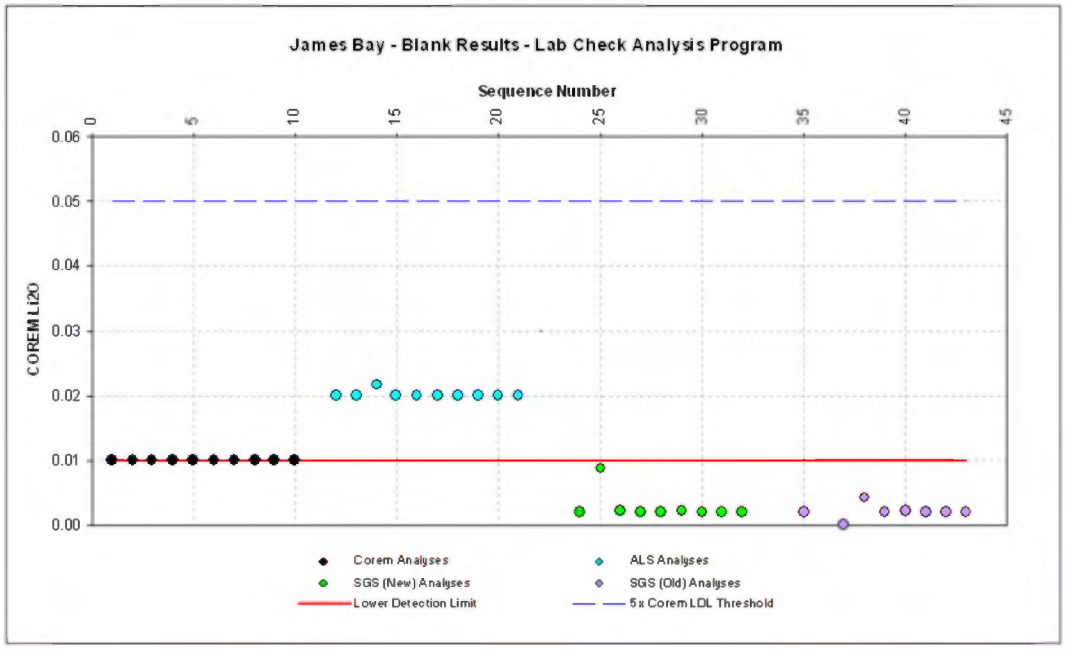


Figure 1. Control chart for the blank results from participating laboratories.

***All of the blank analyses were within five times the stated detection limit for the analytical methods used at each laboratory. This indicates that no carry over contamination occurred during the check analysis program.***

***High Grade and Low Grade Standards Results.*** Results of the high grade and low grade standard analyses are listed in Tables 2 and 3 and depicted in Figures 2 and 3, respectively. The count, minimum, maximum, mean, and standard deviation statistics are stated in top half of tables for each participating laboratory.

*Standard Failure Criteria and Results*. The COREM mean and standard deviation were used as the accepted mean and standard deviation to establish the failure criteria and are listed in the "Corem Mean" and "Corem Std Dev" rows of Tables 2 and 3. Any SGS and ALS Chemex standard analyses exceeding the COREM mean $\pm$ 2 times the COREM standard deviation were considered to fail the acceptance criteria. The number of samples (the "Failures > 2SD" row) and the percent of samples (the "% Failures > 2 SD" row) failing this criteria are listed at the bottom half of Tables 2 and 3.

The high grade standard analytical results are listed in Table 2. One can see that all of the ALS analyses were within the COREM mean $\pm$ 2 standard deviations. One out of the five standards submitted to SGS exceeded the COREM criteria.

For the low grade standard, all of the ALS Chemex and SGS check analyses are within the COREM mean ± 2 standard deviation limits.

*Bias* is calculated relative to the original COREM analyses and is displayed on the "% Bias" row of the tables. One would like to see a bias of less than 10 percent, which is the acceptable accuracy for analytical duplicates. ALS Chemex analyses of the high grade standard is biased 7 percent higher on average, and SGS analyses of the high grade standard is biased 8 percent higher than comparable COREM analyses (Table 2). ALS Chemex and SGS analyses of the low grade standard are biased 5 percent higher on average than comparable COREM analyses (Table 3). ***These biases are well within the 10 % and indicate that there are no significant analytical biases between the laboratories.***

*RSD or Relative Standard Deviation* is calculated by dividing the standard deviation by the mean and is the measure of the overall effectiveness and precision in reproducing a true value for the standard material. An effective standard will have an RSD value of 10 or less. These values are listed in the RSD row of Tables 2 and 3. ***The RSD's for COREM, ALS Chemex, and SGS are all less than 10 % for both standards, which indicates an acceptable precision for both standards despite using the different analytical methods at each of the laboratories***.

In Figures 2 and 3, the standard analyses are shown in sequence and using a different color for each laboratory. Again, the Corem results are indicated by the black dots, ALS results by the blue dots, SGS re-analyses results by the green dots, and the original SGS results with the lavender dots. The COREM means for each standard are indicated by the solid red line, the ± 2 standard deviation accuracy envelope is indicated by the dashed blue lines.

One can see in both Figures 2 and 3, that the analyses for ALS Chemex and SGS are biased slightly higher than similar COREM analyses. Both ALS Chemex and SGS dots are above the COREM mean line but still within the +10 % accuracy envelope indicated by the dashed blue line. The tighter pattern displayed by the ALS Chemex and SGS points indicates the slightly better precision of the ALS Chemex and SGS analyses which is reflected in the lower RSD values (than corresponding COREM RSD values) shown in Tables 2 and 3.

***To summarize, the standards used in the check analytical program indicate that ALS Chemex and SGS analyses have acceptable accuracy. The analytical bias between the laboratories is well within 10 %, which suggests that the laboratory analyses are comparable and the reproducibility of these analyses is acceptable.***

| Statistics | COREM $Li_2O$ | ALS $Li_2O$ | SGS (new) $Li_2O$ | SGS (old) $Li_2O$ |
|---|---|---|---|---|
| **Count** | 10 | 10 | 5 | 4 |
| **Min** | 1.22 | 1.36 | 1.42 | 1.44 |
| **Max** | 1.44 | 1.46 | 1.49 | 1.68 |
| **Mean** | 1.34 | 1.43 | 1.45 | 1.57 |
| **Std Dev** | 0.06 | 0.03 | 0.02 | 0.10 |
| **Standard-High** | | | | |
| Corem Mean | **1.34** | **1.34** | **1.34** | **1.34** |
| Corem Std Dev | **0.06** | **0.06** | **0.06** | **0.06** |
| % Bias | **0** | *7* | *8* | *17* |
| **Corem** | | | | |
| CMean + 2SD | **1.46** | **1.46** | **1.46** | **1.46** |
| CMean - 2SD | **1.21** | **1.21** | **1.21** | **1.21** |
| Ok @ 2 SD | 10 | 10 | 4 | 1 |
| Failures > 2SD | **0** | **0** | **1** | **3** |
| % Failures > 2SD | **0** | **0** | *20* | *75* |
| RSD | 4.6 | 2.2 | 1.7 | *6.3* |
| Mean ± 2SD | 1.34 ± 0.12 | 1.43 ± 0.06 | 1.45 ± 0.05 | 1.57 ± 0.2 |

Table 2. High Grade Standard analyses statistical results for the participating laboratories.

| Statistics | COREM | ALS | SGS (new) | SGS (old) |
|---|---|---|---|---|
| **Count** | 10 | 10 | 5 | 2 |
| **Min** | 0.730 | 0.818 | 0.861 | 1.033 |
| **Max** | 0.960 | 0.947 | 0.904 | 1.055 |
| **Mean** | 0.837 | 0.878 | 0.883 | 1.044 |
| **Std Dev** | 0.067 | 0.033 | 0.022 | 0.015 |
| **Standard - Low** | | | | |
| Corem Mean | **0.84** | **0.84** | **0.84** | **0.84** |
| Corem Std Dev | **0.07** | **0.07** | **0.07** | **0.07** |
| % Bias | **0** | **5** | *5* | *25* |
| **Corem** | | | | |
| CMean + 2SD | **0.97** | **0.97** | **0.97** | **0.97** |
| CMean - 2SD | **0.70** | **0.70** | **0.70** | **0.70** |
| Ok @ 2 SD | 10 | 10 | 5 | 0 |
| Failures > 2SD | **0** | **0** | **0** | **2** |
| % Failures > 2SD | **0** | **0** | **0** | *100* |
| RSD | *8.0* | 3.8 | 2.4 | 1.5 |
| Mean ± 2SD | 0.84 ± 0.13 | 0.88 ± 0.07 | 0.88 ± 0.04 | 1.04 ± 0.03 |

Table 3. Low Grade Standard analyses statistical results for the participating laboratories.

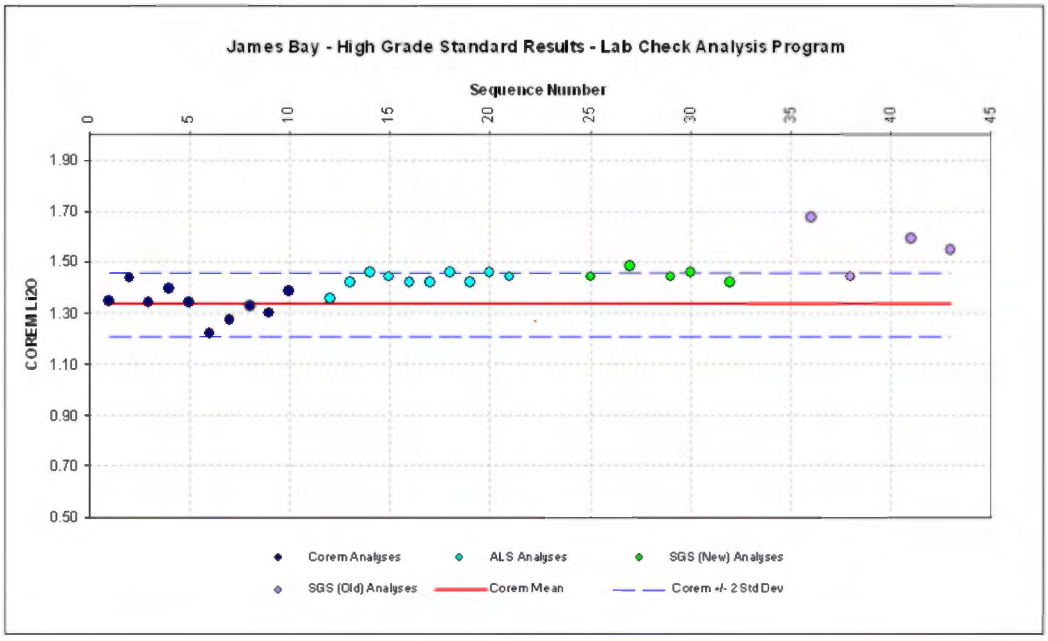


Figure 2. High Grade Standard analyses statistical results for the participating laboratories.

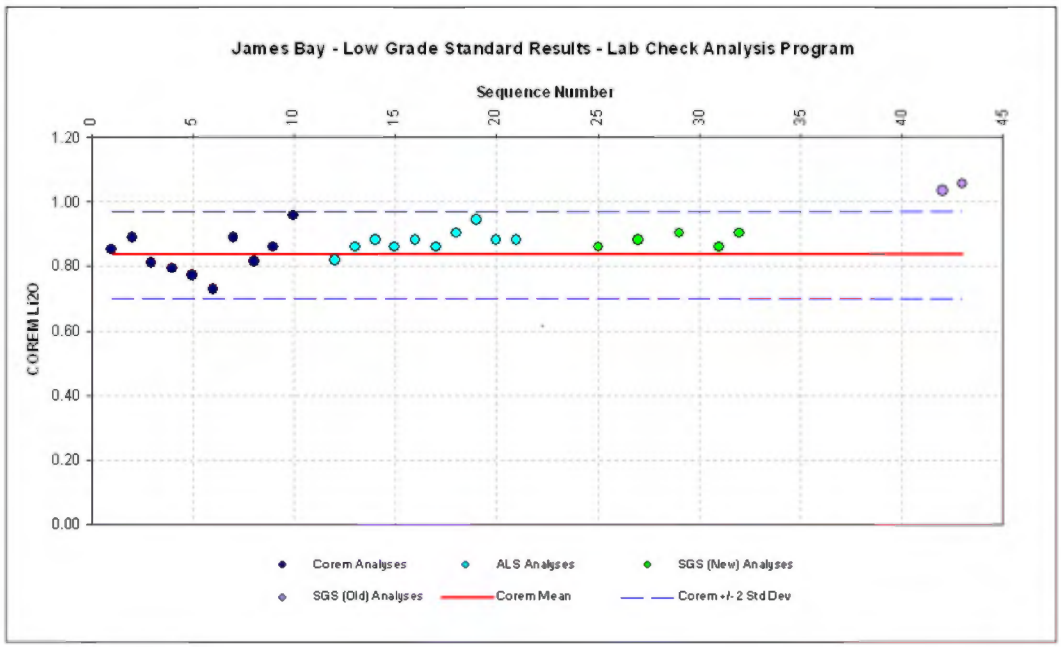


Figure 3. Low Grade Standard analyses statistical results for the participating laboratories.

***Duplicates Results.*** A set of 20 duplicate pairs was submitted to ALS as part of the check analysis program to evaluate analytical precision. These duplicates were also analyzed at COREM. The duplicates were prepared from archival pulps that were split into separate samples, renumbered, and embedded with the rest of the check samples.

*COREM Precision.* Figure 4 displays the results of the COREM duplicate analyses. The duplicate analyses are presented as orange dots, the 1:1 line is shown by the red line and the ± 10 % precision envelope is shown by the dashed blue lines. Statistics for the check analyses are displayed in Table 4.

The COREM duplicate analyses have a precision of 13.7 % and a correlation of 0.92. The original analyses averaged 1.28 % $Li_2O$. The duplicate analyses averaged 1.31 % $Li_2O$.

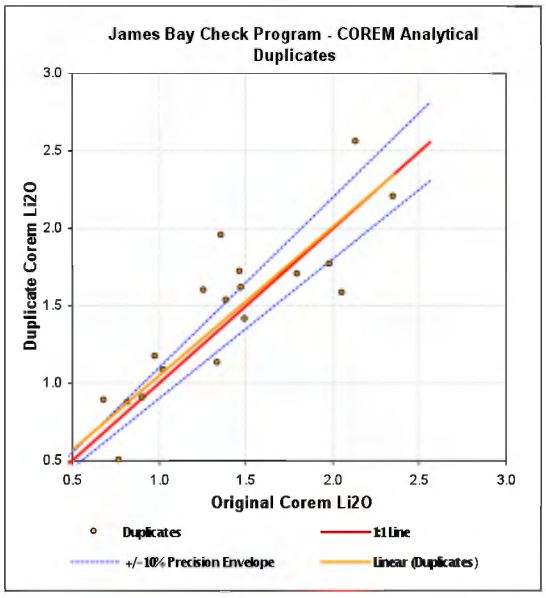


Figure 4. Scatter plot of COREM duplicate analyses.

| Statistics | Original Corem Li2O | Duplicate Corem Li2O |
|---|---|---|
| Count = | 20 | 20 |
| Min = | 0.030 | 0.050 |
| Max = | 2.350 | 2.560 |
| Mean = | 1.281 | 1.319 |
| Std Dev = | 0.614 | 0.641 |
| Precision = | | 13.7 |
| % Bias = | | -2.9 |
| Correlation = | | 0.92 |

Table 4. Statistics comparing COREM duplicate analyses.

*ALS Chemex Precision*. Figure 5 displays the results of the ALS Chemex duplicate analyses. Statistics for the check analyses are displayed in Table 5. The ALS Chemex duplicate analyses have a precision of 13.0 % and a correlation of 0.92. The original analyses averaged 1.38 % $Li_2O$. The duplicate analyses averaged 1.38 % $Li_2O$.

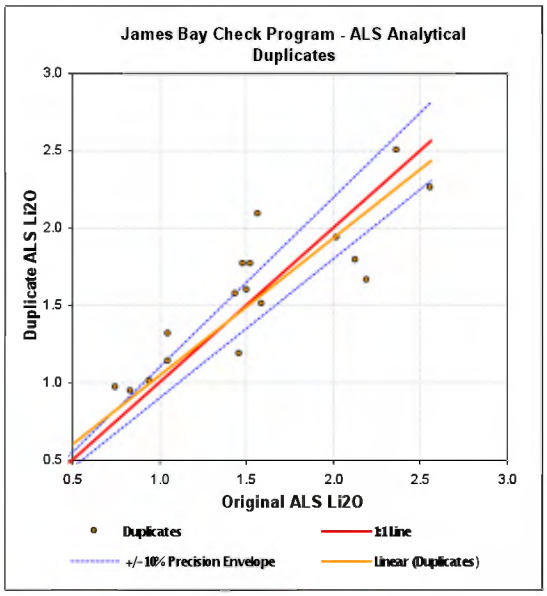


Figure 5. Scatter plot of ALS Chemex duplicate analyses.

| Statistics | Original ALS Li2O | Duplicate ALS Li2O |
|---|---|---|
| Count = | 20 | 20 |
| Min = | 0.043 | 0.065 |
| Max = | 2.562 | 2.497 |
| Mean = | 1.381 | 1.385 |
| Std Dev = | 0.674 | 0.651 |
| Precision = | | 13.0 |
| % Bias = | | -0.3 |
| Correlation = | | 0.92 |

Table 5. Statistics comparing COREM duplicate analyses.

***Duplicate analyses conducted at COREM and ALS Chemex show comparable precision between the different analytical methods used by the two laboratories. Bias between the original and duplicates analyses is not significant.***

***In summary, the quality control program embedded within the check analysis program indicates that the accuracy is comparable between at COREM, ALS Chemex, and SGS. Each laboratory used a different total digestion method to extract Li, but the methods are comparable in that similar accuracy is obtained and there is no significant analytical bias between the laboratories. Use of analytical duplicates at COREM and ALS Chemex indicates comparable precision between the 2 laboratories, even though different analytical methods are used for the Li analyses.***

## Check Analysis Program Results

Table 6 shows the statistics for each comparable set of check analyses. Figure 6a – 6c displays the results of the original COREM analyses with the newer set of SGS and ALS Chemex check analyses. In addition to the usual statistics, three additional parameters are displayed in Table 6. These parameters are labeled as "% < 10 %", "% < 15 %", and "% < 20 %" and indicate the percentage of duplicate pairs whose values are within 10 percent, 15 percent and 20 percent of one another. In other words these parameters are measures of the percentage of samples within the 10, 15 and 20 percent precision envelopes.

Precision between the COREM and ALS Chemex check analyses is 6.0 percent. Correlation is 0.99 and bias is -4.8 percent. Seventy four percent of the duplicates have values within 10 percent of one another.

Precision between COREM and SGS check analyses is 7.0 percent. Correlation is 0.99 and bias is 7.1 percent. Fifty nine percent of the duplicates have values within 10 percent of one another.

Precision between ALS Chemex and SGS is 3.6%. Correlation is better than 0.99 and bias is 2.9%. Ninety three percent of the duplicates have values within 10 percent of one another.

As mentioned before, any precision values of less than 10% are acceptable and a bias of less than 10 percent is acceptable.

***Given the different analytical methods used, the precision between the laboratories is excellent. The COREM analyses are biased approximately 5 percent lower than corresponding ALS Chemex analyses and 7 percent lower than corresponding SGS analyses, but well within 10 percent acceptability limits for analytical duplicates. These check analysis program results are comparable to those observed for the standards embedded with the check analysis program, which ranged from 5 – 8 percent.***

It is interesting to note that the "between lab" precision (e.g. COREM vs. ALS Chemex with 6.0 percent precision and COREM versus SGS with 7.0 percent precision) is better than the "within lab" precision exhibited by analytical duplicates analyzed within COREM (13.7 percent precision) or ALS Chemex (13.0 percent precision).

COREM and ALS Chemex both use acid digestions as opposed to the fusion used by SGS to obtain $Li_2O$ analyses. The two acid digestions show less bias (4.8 percent) than the comparison between the acid digestion used by COREM and the fusion digestion used by SGS, which has a bias of 7.1 percent. In addition, a higher percentage of samples analyses are within 10 percent of one another for the COREM and ALS Chemex check analyses.

When undertaking a check analysis program, it is important that the same digestion method be used to compare and validate analyses of the original program. COREM uses an uncommon

digestion method, which is a multistep, perchloric and hydrofluoric acid digestion method (Table A) with an Atomic Absorption finish. ALS Chemex and SGS do not offer this digestion method, but the 4 acid digestion offered by ALS Chemex gives comparable results to the analytical method used by COREM. Keeping this in mind, ***future check analyses should be sent to ALS Chemex for validation of analyses conducted at COREM.***

***Acceptable accuracy and precision, low bias, high correlation, and similarity of means and standard deviations between COREM, ALS Chemex and SGS indicate that the check analysis programs conducted at ALS Chemex and SGS validate earlier analyses conducted at COREM.***

| Statistics | Corem Li2O | Check ALS Li2O | Corem Li2O | Check SGS (New) Li2O | Check SGS (New) Li2O | Check ALS Li2O |
|---|---|---|---|---|---|---|
| Count = | 136 | 136 | 99 | 99 | 98 | 98 |
| Min = | 0.060 | 0.086 | 0.060 | 0.095 | 0.095 | 0.086 |
| Max = | 4.240 | 4.284 | 4.240 | 4.520 | 4.520 | 4.284 |
| Mean = | 1.468 | 1.543 | 1.498 | 1.613 | 1.624 | 1.578 |
| Std Dev = | 0.719 | 0.732 | 0.773 | 0.804 | 0.800 | 0.780 |
| Precision = | | 6.0 | | 7.0 | | 3.6 |
| % Bias = | | -4.8 | | -7.1 | | 2.9 |
| Correlation = | | 0.99 | | 0.99 | | 1.00 |
| % < 10% = | | 74 | | 59 | | 93 |
| % < 15% = | | 93 | | 89 | | 99 |
| % < 20% = | | 95 | | 92 | | 100 |

Table 6. Statistics comparing COREM analyses with check analyses at ALS Chemex and SGS. The statistics comparing SGS with ALS Chemex are also included.

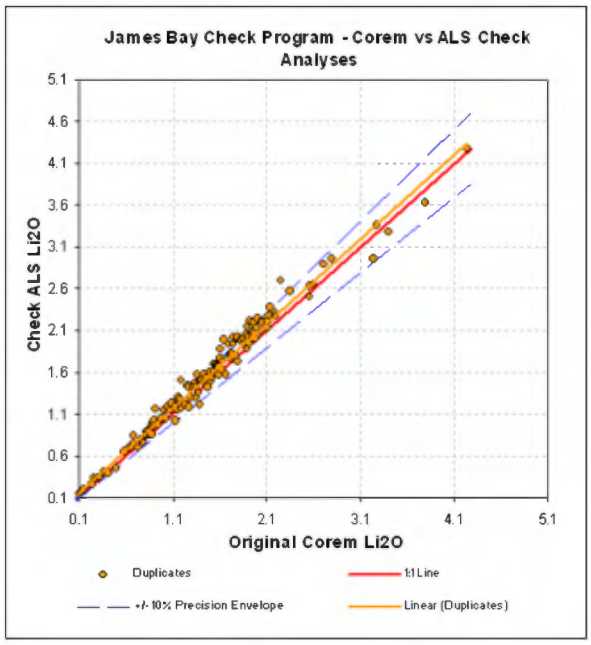


Figure 6a. Corem vs. ALS Chemex Check Analyses.

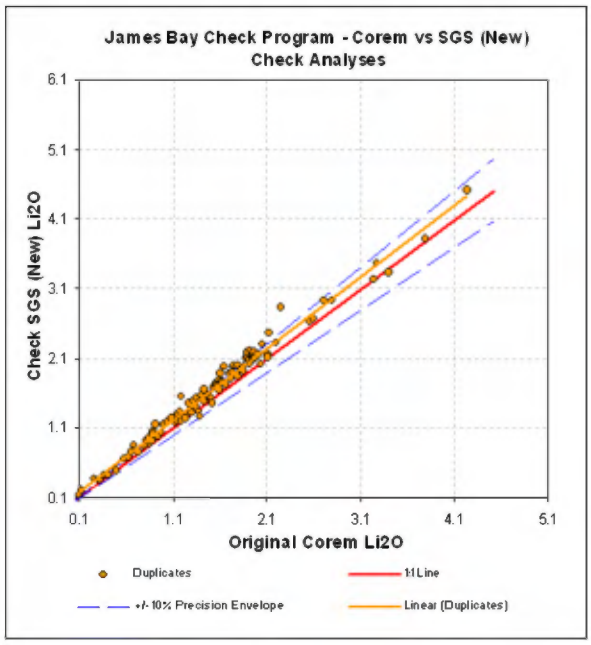


Figure 6b. Corem vs. SGS Chemex Check Analyses.

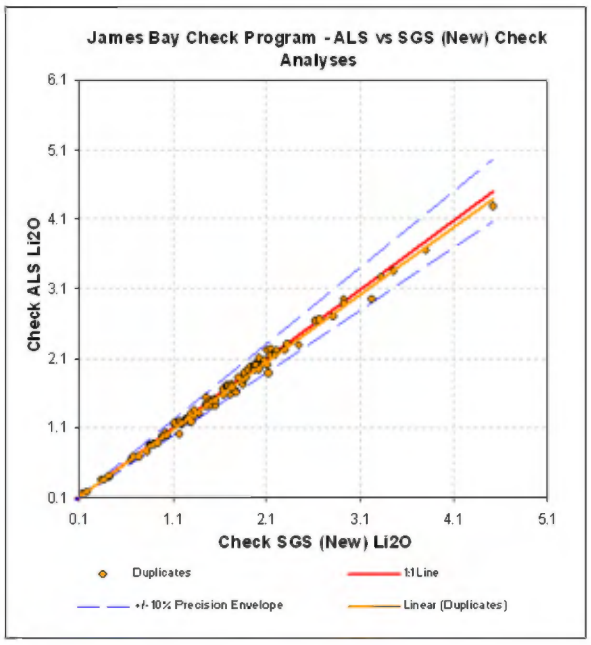


Figure 6c. ALS Chemex vs SGS Check Analyses.

## Conclusions

1. COREM, ALS Chemex and SGS digestion methods for $Li_2O$ are all considered to be total digestions, but there are significant differences between the protocols (Table A).
2. Standards used in the check analytical program indicate that COREM, ALS Chemex and SGS analyses have acceptable accuracy.
3. The analytical bias between the laboratories is well within 10 %, which suggests that the laboratory analyses are comparable and within reasonable analytical error of one another.
4. Duplicate analyses conducted at COREM and ALS Chemex show comparable precision in the different analytical methods used by the two laboratories. Bias between the original and duplicates analyses are insignificant.
5. Given the different analytical methods used, the precision between the laboratories is excellent. The COREM analyses are biased approximately 5 % lower than corresponding ALS Chemex analyses and 7 % lower than corresponding SGS analyses, but well within 10 percent acceptability limits for analytical duplicates.
6. These check analysis program biases are comparable to those observed for the standards embedded with the check analysis program, which ranged from 5 – 8 %.
7. The check analysis programs conducted at ALS Chemex and SGS validate earlier analyses conducted at COREM.

## Recommendations

1. ALS Chemex should be used as the analysis laboratory for future check analysis programs. The analytical method used by ALS Chemex yields results which are more directly comparable to those results generated by COREM.

Any questions, comments, or suggestions are welcomed.

Jeff

# Appendix A. Data Listing

Table A-1. Check Analyses

| Standard/Duplicate | Corem S# | ALS S# | COREM $Li_2O$ | ALS $Li_2O$ | SGS (new) $Li_2O$ | SGS (old) $Li_2O$ |
|---|---|---|---|---|---|---|
| Blank | 99 | 201005 | <100 ppm | <0.02 | - | - |
| Blank | 782 | 201020 | <100 ppm | <0.02 | < 0.002 | < 0.002 |
| Blank | 2253 | 201066 | <100 ppm | 0.02 | 0.01 | - |
| Blank | 2345 | 201050 | <100 ppm | <0.02 | 0.00 | 0.00 |
| Blank | 2551 | 201094 | <100 ppm | <0.02 | < 0.002 | 0.004 |
| Blank | 279650 | 201112 | <100 ppm | <0.02 | < 0.002 | <0.002 |
| Blank | 279652 | 201130 | <100 ppm | <0.02 | 0.00 | 0.002 |
| Blank | 279810 | 201148 | <100 ppm | <0.02 | < 0.002 | <0.002 |
| Blank | 279970 | 201166 | <100 ppm | <0.02 | < 0.002 | < 0.002 |
| Blank | 753010 | 201035 | <100 ppm | <0.02 | < 0.002 | < 0.002 |
| Standard-High | 168 | 201010 | 1.35 | 1.36 | - | - |
| Standard-High | 555 | 201030 | 1.44 | 1.42 | - | - |
| Standard-High | 791 | 201040 | 1.35 | 1.46 | 1.44 | 1.68 |
| Standard-High | 1318 | 201060 | 1.39 | 1.44 | - | - |
| Standard-High | 1728 | 201089 | 1.34 | 1.42 | 1.49 | 1.44 |
| Standard-High | 2130 | 201100 | 1.22 | 1.42 | - | - |
| Standard-High | 2250 | 201118 | 1.27 | 1.46 | 1.44 | - |
| Standard-High | 2542 | 201077 | 1.33 | 1.42 | 1.46 | 1.59 |
| Standard-High | 279900 | 201136 | 1.30 | 1.46 | - | - |
| Standard-High | 279960 | 201154 | 1.39 | 1.44 | 1.42 | 1.55 |
| Standard-Low | 262 | 201015 | 0.85 | 0.82 | - | - |
| Standard-Low | 489 | 201025 | 0.89 | 0.86 | - | - |
| Standard-Low | 1094 | 201045 | 0.81 | 0.88 | 0.86 | - |
| Standard-Low | 1585 | 201083 | 0.79 | 0.86 | - | - |
| Standard-Low | 1749 | 201071 | 0.77 | 0.88 | 0.88 | - |
| Standard-Low | 2271 | 201055 | 0.73 | 0.86 | - | - |
| Standard-Low | 2561 | 201106 | 0.89 | 0.90 | 0.90 | - |
| Standard-Low | 279820 | 201124 | 0.82 | 0.95 | - | - |
| Standard-Low | 279940 | 201142 | 0.86 | 0.88 | 0.86 | 1.03 |
| Standard-Low | 279980 | 201160 | 0.96 | 0.88 | 0.90 | 1.05 |
| DUPLICATE of 568781 | 61 | 201002 | 1.26 | 1.44 | - | - |
| DUPLICATE of 061 | 568781 | 201012 | 1.60 | 1.57 | - | - |
| DUPLICATE of 568783 | 279833 | 201007 | 2.35 | 2.56 | - | - |
| DUPLICATE of 279833 | 568783 | 201027 | 2.20 | 2.26 | - | - |
| DUPLICATE of 1022 | 970 | 201063 | 1.80 | 2.02 | - | - |
| DUPLICATE of 970 | 1022 | 201104 | 1.70 | 1.94 | - | - |
| DUPLICATE of 1145 | 973 | 201069 | 1.03 | 1.05 | - | - |
| DUPLICATE of 973 | 1145 | 201110 | 1.08 | 1.14 | - | - |
| DUPLICATE of 115 | 568815 | 201102 | 1.47 | 1.53 | - | - |
| DUPLICATE of 568815 | 115 | 201019 | 1.72 | 1.77 | - | - |
| DUPLICATE of 1186 | 974 | 201074 | 0.98 | 1.05 | - | - |
| DUPLICATE of 974 | 1186 | 201116 | 1.17 | 1.31 | - | - |
| DUPLICATE of 1472 | 981 | 201079 | 0.91 | 0.95 | - | - |

| Standard/Duplicate | Corem S# | ALS S# | COREM $Li_2O$ | ALS $Li_2O$ | SGS (new) $Li_2O$ | SGS (old) $Li_2O$ |
|---|---|---|---|---|---|---|
| DUPLICATE of 981 | 1472 | 201122 | 0.90 | 1.01 | | |
| DUPLICATE of 1554 | 568826 | 201126 | 1.50 | 1.59 | - | - |
| DUPLICATE of 568826 | 1554 | 201128 | 1.41 | 1.51 | - | - |
| DUPLICATE of 1677 | 568829 | 201138 | 2.06 | 2.20 | - | - |
| DUPLICATE of 568829 | 1677 | 201134 | 1.58 | 1.66 | - | - |
| DUPLICATE of 1759 | 568831 | 201150 | 0.24 | 0.26 | - | - |
| DUPLICATE of 568831 | 1759 | 201140 | 0.16 | 0.19 | - | - |
| DUPLICATE of 2141 | 985 | 201081 | 1.34 | 1.46 | - | - |
| DUPLICATE of 985 | 2141 | 201146 | 1.13 | 1.18 | - | - |
| DUPLICATE of 2221 | 987 | 201087 | 1.39 | 1.51 | - | - |
| DUPLICATE of 987 | 2221 | 201152 | 1.53 | 1.59 | - | - |
| DUPLICATE of 2305 | 989 | 201092 | 1.36 | 1.57 | - | - |
| DUPLICATE of 989 | 2305 | 201158 | 1.95 | 2.09 | - | - |
| DUPLICATE of 2339 | 990 | 201097 | 1.48 | 1.49 | - | - |
| DUPLICATE of 990 | 2339 | 201164 | 1.61 | 1.77 | - | - |
| DUPLICATE of 238 | 568818 | 201108 | 0.03 | 0.04 | - | - |
| DUPLICATE of 568818 | 238 | 201009 | 0.05 | 0.06 | - | - |
| DUPLICATE of 2500 | 568837 | 201162 | 0.69 | 0.75 | - | - |
| DUPLICATE of 568837 | 2500 | 201168 | 0.89 | 0.97 | - | - |
| DUPLICATE of 314 | 568820 | 201120 | 1.99 | 2.13 | - | - |
| DUPLICATE of 568820 | 314 | 201022 | 1.77 | 1.79 | - | - |
| DUPLICATE of 568798 | 646 | 201037 | 0.82 | 0.84 | - | - |
| DUPLICATE of 646 | 568798 | 201032 | 0.87 | 0.95 | - | - |
| DUPLICATE of 804 | 967 | 201052 | 0.77 | 0.80 | - | - |
| DUPLICATE of 967 | 804 | 201014 | 0.50 | 0.45 | 0.50 | 0.67 |
| DUPLICATE of 843 | 968 | 201058 | 2.14 | 2.37 | - | - |
| DUPLICATE of 968 | 843 | 201048 | 2.56 | 2.50 | - | - |
| Pegmatite | 779 | 201006 | 0.84 | 0.88 | 0.95 | 1.05 |
| Pegmatite | 780 | 201011 | 1.48 | 1.42 | 1.57 | 1.66 |
| Pegmatite | 781 | 201029 | 1.63 | 1.64 | 1.77 | 1.87 |
| Pegmatite | 783 | 201034 | 2.80 | 2.95 | 2.93 | 3.06 |
| Pegmatite | 784 | 201038 | 0.63 | 0.69 | 0.69 | 0.77 |
| Pegmatite | 787 | 201041 | 0.68 | 0.84 | 0.86 | 0.97 |
| Pegmatite | 788 | 201051 | 1.74 | 1.83 | 1.89 | 1.98 |
| Pegmatite | 790 | 201059 | 0.10 | 0.15 | 0.14 | 0.19 |
| Pegmatite | 792 | 201031 | 0.82 | 0.86 | 0.86 | 0.99 |
| Pegmatite | 793 | 201061 | 0.94 | 0.97 | 0.99 | 1.12 |
| Pegmatite | 794 | 201072 | 1.13 | 1.01 | 1.18 | 1.38 |
| Pegmatite | 797 | 201065 | 1.43 | 1.46 | 1.49 | 1.59 |
| Pegmatite | 798 | 201021 | 0.26 | 0.34 | 0.37 | 0.50 |
| Pegmatite | 803 | 201082 | 3.79 | 3.64 | 3.81 | 3.79 |
| Pegmatite | 805 | 201085 | 0.02 | 0.04 | 0.03 | 0.04 |
| Pegmatite | 1061 | 201088 | 0.42 | 0.39 | 0.43 | 0.58 |
| Pegmatite | 1062 | 201090 | 1.92 | 2.02 | 2.07 | 2.04 |

| Standard/Duplicate | Corem S# | ALS S# | COREM $Li_2O$ | ALS $Li_2O$ | SGS (new) $Li_2O$ | SGS (old) $Li_2O$ |
|---|---|---|---|---|---|---|
| Pegmatite | 1064 | 201026 | 0.73 | 0.69 | 0.75 | 0.80 |
| Pegmatite | 1088 | 201095 | 0.13 | 0.17 | 0.19 | - |
| Pegmatite | 1091 | 201101 | 1.96 | 2.00 | 2.11 | - |
| Pegmatite | 1092 | 201111 | 0.97 | 1.03 | 1.03 | - |
| Pegmatite | 1104 | 201117 | 1.93 | 2.22 | 2.22 | 2.15 |
| Pegmatite | 1106 | 201121 | 1.97 | 2.20 | 2.20 | 2.15 |
| Pegmatite | 1727 | 201123 | 0.81 | 0.88 | 0.90 | 0.93 |
| Pegmatite | 1729 | 201129 | 0.90 | 0.97 | 1.01 | 1.08 |
| Pegmatite | 1731 | 201131 | 1.87 | 2.04 | 2.09 | 2.00 |
| Pegmatite | 1733 | 201054 | 0.67 | 0.69 | 0.75 | 0.82 |
| Pegmatite | 1734 | 201141 | 1.75 | 1.94 | 1.98 | 1.96 |
| Pegmatite | 1755 | 201056 | 1.48 | 1.46 | 1.55 | 1.55 |
| Pegmatite | 1758 | 201149 | 1.15 | 1.14 | 1.21 | 1.29 |
| Pegmatite | 1761 | 201016 | 0.78 | 0.75 | 0.84 | 0.90 |
| Pegmatite | 2245 | 201044 | 0.89 | 0.99 | 1.05 | - |
| Pegmatite | 2251 | 201039 | 1.00 | 1.14 | 1.14 | - |
| Pegmatite | 2254 | 201067 | 0.30 | 0.34 | 0.34 | - |
| Pegmatite | 2342 | 201159 | 1.44 | 1.57 | 1.66 | 1.74 |
| Pegmatite | 2347 | 201161 | 1.15 | 1.27 | 1.29 | 1.25 |
| Pegmatite | 2349 | 201043 | 1.32 | 1.42 | 1.49 | 1.42 |
| Pegmatite | 2350 | 201064 | 1.90 | 2.15 | 2.20 | 2.13 |
| Pegmatite | 2531 | 201046 | 0.06 | 0.09 | 0.09 | 0.13 |
| Pegmatite | 2533 | 201033 | 1.65 | 1.98 | 1.98 | 2.24 |
| Pegmatite | 2534 | 201023 | 1.04 | 1.18 | 1.18 | 1.38 |
| Pegmatite | 2535 | 201049 | 1.09 | 1.23 | 1.25 | 1.46 |
| Pegmatite | 2536 | 201153 | 1.18 | 1.27 | 1.33 | 1.55 |
| Pegmatite | 2537 | 201028 | 1.35 | 1.42 | 1.53 | 1.70 |
| Pegmatite | 2538 | 201115 | 3.27 | 3.36 | 3.47 | 3.66 |
| Pegmatite | 2539 | 201070 | 2.71 | 2.88 | 2.93 | 3.06 |
| Pegmatite | 2540 | 201057 | 1.64 | 1.72 | 1.74 | 1.94 |
| Pegmatite | 2543 | 201157 | 1.54 | 1.70 | 1.68 | 1.85 |
| Pegmatite | 2544 | 201113 | 1.56 | 1.68 | 1.74 | 1.87 |
| Pegmatite | 2545 | 201073 | 1.27 | 1.18 | 1.31 | 1.51 |
| Pegmatite | 2547 | 201075 | 2.11 | 2.13 | 2.15 | 2.32 |
| Pegmatite | 2548 | 201135 | 2.56 | 2.63 | 2.63 | 2.80 |
| Pegmatite | 2549 | 201170 | 1.80 | 1.72 | 1.85 | 1.98 |
| Pegmatite | 2550 | 201169 | 3.25 | 2.95 | 3.23 | 3.38 |
| Pegmatite | 2552 | 201084 | 3.40 | 3.27 | 3.34 | 3.51 |
| Pegmatite | 2553 | 201105 | 2.60 | 2.65 | 2.67 | 2.84 |
| Pegmatite | 2554 | 201165 | 1.51 | 1.49 | 1.53 | 1.70 |
| Pegmatite | 2555 | 201147 | 1.52 | 1.53 | 1.46 | 1.68 |
| Pegmatite | 279647 | 201099 | 1.90 | 1.87 | 2.13 | 2.32 |
| Pegmatite | 279649 | 201107 | 1.76 | 2.02 | 2.00 | 2.17 |
| Pegmatite | 279651 | 201093 | 0.31 | 0.34 | 0.34 | 0.45 |

| Standard/Duplicate | Corem S# | ALS S# | COREM $Li_2O$ | ALS $Li_2O$ | SGS (new) $Li_2O$ | SGS (old) $Li_2O$ |
|---|---|---|---|---|---|---|
| Pegmatite | 279804 | 201076 | 0.02 | 0.04 | 0.03 | 0.04 |
| Pegmatite | 279805 | 201143 | 1.19 | 1.51 | 1.55 | 1.66 |
| Pegmatite | 279807 | 201018 | 2.13 | 2.28 | 2.45 | 2.63 |
| Pegmatite | 279808 | 201078 | 1.79 | 2.00 | 2.00 | 2.13 |
| Pegmatite | 279811 | 201137 | 1.61 | 1.87 | 1.87 | 1.98 |
| Pegmatite | 279939 | 201145 | 1.85 | 2.00 | 1.98 | 2.11 |
| Pegmatite | 279941 | 201053 | 1.58 | 1.68 | 1.68 | 1.85 |
| Pegmatite | 279942 | 201125 | 2.02 | 2.24 | 2.15 | 2.35 |
| Pegmatite | 279944 | 201156 | 1.72 | 1.83 | 1.81 | 1.98 |
| Pegmatite | 279945 | 201091 | 1.84 | 1.98 | 1.94 | 2.11 |
| Pegmatite | 279951 | 201144 | 1.38 | 1.36 | 1.33 | 1.51 |
| Pegmatite | 279952 | 201127 | 2.12 | 2.22 | 2.11 | 2.39 |
| Pegmatite | 279953 | 201098 | 2.04 | 2.09 | 2.02 | 2.17 |
| Pegmatite | 279955 | 201114 | 1.86 | 1.94 | 1.92 | 2.15 |
| Pegmatite | 279958 | 201086 | 1.19 | 1.16 | 1.21 | 1.42 |
| Pegmatite | 279959 | 201096 | 1.31 | 1.29 | 1.31 | 1.46 |
| Pegmatite | 279962 | 201042 | 1.59 | 1.66 | 1.66 | 2.48 |
| Pegmatite | 279964 | 201139 | 0.87 | 0.86 | 0.90 | 1.01 |
| Pegmatite | 279965 | 201062 | 2.20 | 2.30 | 2.32 | 2.48 |
| Pegmatite | 279966 | 201109 | 0.86 | 0.86 | 0.88 | 1.01 |
| Pegmatite | 279969 | 201132 | 0.33 | 0.34 | 0.34 | 0.50 |
| Pegmatite | 279971 | 201080 | 1.35 | 1.29 | 1.40 | 1.55 |
| Pegmatite | 279972 | 201163 | 1.97 | 2.07 | 2.09 | 2.26 |
| Pegmatite | 279973 | 201068 | 1.98 | 2.00 | 2.11 | 2.24 |
| Pegmatite | 279975 | 201151 | 1.93 | 1.94 | 2.02 | 2.13 |
| Pegmatite | 279976 | 201036 | 1.23 | 1.21 | 1.25 | 1.33 |
| Pegmatite | 279977 | 201013 | 1.67 | 1.57 | 1.72 | 1.81 |
| Pegmatite | 279978 | 201003 | 2.26 | 2.69 | 2.82 | 2.93 |
| Pegmatite | 279979 | 201155 | 1.39 | 1.21 | 1.27 | 1.36 |
| Pegmatite | 753005 | 201001 | 1.41 | 1.49 | 1.57 | 1.77 |
| Pegmatite | 753006 | 201024 | 1.71 | 1.79 | 1.87 | 2.11 |
| Pegmatite | 753007 | 201133 | 0.91 | 1.16 | 1.14 | 1.33 |
| Pegmatite | 753008 | 201008 | 2.05 | 2.22 | 2.30 | 2.56 |
| Pegmatite | 753012 | 201119 | 1.57 | 1.70 | 1.70 | 1.83 |
| Pegmatite | 753471 | 201047 | 0.37 | 0.41 | 0.43 | 0.54 |
| Pegmatite | 753472 | 201103 | 0.59 | 0.65 | 0.67 | 0.80 |
| Pegmatite | 753474 | 201004 | 1.60 | 1.61 | 1.79 | 1.98 |
| Pegmatite | 753478 | 201017 | 4.24 | 4.28 | 4.52 | 5.08 |
| Pegmatite | 753480 | 201167 | 1.28 | 1.42 | 1.46 | 1.64 |

## ANNEX 10: REFERENCES

**Filed reports & Government publication:**

**GM 34050 : (21 Oct 1975) Y. Pelletier; reports of work such as 1) (Feb '74) Dr. Guy Valiquette; Reconnaissance des Pegmatites à Spodumène: Rivière Eastmain. (École Polytechnique) and 2) by Vachon (CRMQ) same as GM 58018 and 3) SDBJ-Spodumene Pegmatites Eastmain River, with work on "Cyr Pegmatites 2 km east".**

**GM 58019 : (Mar. 1976) J. C. Potvin; Spodumene bearing Pegmatites from the Eastmain River Area, Québec. A thesis submitted to the Faculty of Science for partial requirements for B.Sc. degree Carleton Univ.**

**GM 34168 : (Aug. 1977) Y. Pelletier-1978; reports on 3 diamond drill holes of Dec "77, logged by M. Giroux (SDBJ) without assays,.**

**GM 38143 : (Dec. 1977) Y. Pelletier-1978; Lithium-Cyr Project (401-1379-31); reports,**
**_3 diamond drill holes for 388m of core in;**
**_mapping the pegmatite outcrops at a scale of 1:1000;**
**_recovery of 277 powder samples produced by a compressed air hammer.**
**_58 samples of core assayed for $Li_2O$ by Géolab Inc.**

**GM 58016 : (30 Nov '81) Roland Faucher; Rapport de Syntheses sur les Essais de Production de Concentrés de Spodumène de Grade Céramique: Rapport de Patrice Bélanger & Georges Clouthier du CRM.**

**GM 58018 : ((4 Sep 1975) R. Vachon CRM; Valorisation d'un Minerais de spodumene de la Baie James, CRM Projet 737.**

**GM 54512 : (7 Dec. '96) Michel A. Lafontaine; Rapport sur des analyses effectuées sur des carottes des sondages no. 77-2, 77-3 et 77-4.; Canton no. 2312 Territoire de la Baie James, District Minier de Val d'Or,Québec, Canada SNRC 33C/03, pour Société James Bay Lithium.**

**DPV-574 : A. Franconi-1978 : Rapport Géologique final sur les saisons 1975 et 1976. La Bande Volcanosédimentaire de la Rivière Eastmain Inférieure à l'Ouest de la Longitude 76° 15'; MRNQ, 1978.**

**RG 2001-08 : A. Moukhsil et. Al., Geological and Metallogenic Synthesis of the Middle and Lower Eastmain Greenstone Belt (James Bay).**

**Other work consulted**

**(April 1981) Roland Faucher...extract from.. (Section 3.5 of Compilation from unknown source)**

**(24 Oct '85) J. Bailly, Memo to J.E. Kraft : Lithium prospect on the James Bay territory (P.Q.)**

**(10 Feb '89) Gilles Boisvert eng. Report : Summary on the mineral potential of the Cyr Lithium Prospect 33C/03.**

**(19 Nov. '92) A. James McCann, Rapport de Visite by SOQUEM.**

**(12 Nov '06) Bigué Bigué Fink & Gauthier Legal document (extract).**

**(19 Nov. '92) A. James McCann, Rapport de Visite by SOQUEM.**

**Other publication**

**(2008) David London, Pegmatites; Canadian Mineralogist volume SP -10 www.mineralogicalassociation.ca**

**(1991) Cerny, P. Rare-element granite pegmatites. 1. Anatomy and internal evolution of pegmatite deposits. Geoscience Canada 18, p. 49-67.**

**USGS Open-File Report 03-045 by Buttermann & Reese**

## ANNEX 11: LEGEND

| LITHOLOGY | |
|---|---|
| I1F | Aplite |
| I1H | granophyre / porphyry |
| I1P | Pegmatite |
| M1 | gneiss (metasediments) |
| M2 | gneiss (metasediments) banded |
| M2(V2B) | gneissic volcanoclastics |
| V2J(M1) | andesite (gneissic) |
| V3B(M1) | basalt (gneissic) |
| xeno | xenolith |
| MINERALS | |
| AP | Apatite |
| AS | Arsenopyrite |
| BE | Beryl |
| BO | Biotite |
| CB | Carbonate |
| FP | Feldspar |
| GR | Garnet |
| MV | Muscovite |
| PH | Phlogopite |
| PO | Pyrrhotite |
| PY | Pyrite |
| QZ | Quartz |
| SF | Sulfides |
| SP | Spodumene |
| TL | Tourmaline |
| ZR | Zircon |

# ANNEX 12: List of DUPLICATES & ASSAY RESULTS

LIST of Duplicates

| HOLE | | | $Li_2O$% | HOLE | | | $Li_2O$% |
|---|---|---|---|---|---|---|---|
| 1 | 753029 | | 1.35 | 17 | 279669 | | 1.80 |
| " | 753030 | Duplicate of 753029 | 1.29 | " | 279670 | Duplicate of 279669 | 1.83 |
| 3 | 753069 | | 2.08 | 18 | 279709 | | 0.52 |
| " | 753070 | Duplicate of 753069 | 2.10 | " | 279710 | Duplicate of 279709 | 0.46 |
| 5 | 753109 | | 1.14 | 19 | 279749 | | 1.15 |
| " | 753110 | Duplicate of 753109 | 1.20 | " | 279750 | Duplicate of 279749 | 1.02 |
| 6 | 753189 | | 1.42 | " | 279750rp | Duplicate of 279750 | 1.08 |
| " | 753190 | Duplicate of 753189 | 1.40 | " | 279789 | | 1.58 |
| 7 | 753309 | | 1.21 | " | 279790 | Duplicate of 279789 | 1.55 |
| " | 753310 | Duplicate of 75339 | 1.22 | " | 279790rp | Duplicate of 279590 | 1.66 |
| 8 | 753389 | | 1.26 | 20 | 279826 | | 2.13 |
| " | 753390 | Duplicate of 753389 | 1.21 | " | 568782 | Duplicate of 279826 | 1.49 |
| 9 | 753149 | | 0.20 | " | 279829 | | 1.80 |
| " | 753150 | Duplicate of 753149 | 0.21 | " | 279830 | Duplicate of 279829 | 1.89 |
| 10 | 753229 | | 0.81 | " | 279833 | | 2.35 |
| " | 753230 | Duplicate of 753229 | 0.85 | " | 568783 | Duplicate of 279833 | 2.20 |
| " | 753269 | | 1.77 | " | 279846 | | 0.94 |
| " | 753270 | Duplicate of 753269 | 1.78 | " | 568784 | Duplicate of 279846 | 0.71 |
| 11 | 753349 | | 1.16 | " | 279851 | | 1.25 |
| " | 753350 | Duplicate of 753349 | 1.21 | " | 568785 | Duplicate of 279851 | 1.44 |
| 12 | 753429 | | 0.95 | " | 279869 | | 0.76 |
| " | 753430 | Duplicate of 753429 | 1.03 | " | 279870 | Duplicate of 279869 | 0.83 |
| 13 | 753469 | | 0.85 | 21B | 279873 | | 0.19 |
| " | 753470 | Duplicate of 753469 | 0.83 | " | 568786 | Duplicate of 279873 | 0.44 |
| " | 753509 | | 0.17 | " | 279876 | | 1.74 |
| " | 753510 | Duplicate of 753509 | 0.16 | " | 568787 | Duplicate of 279876 | 1.64 |
| 14 | 753549 | | 2.06 | " | 279881 | | 1.10 |
| " | 753550 | Duplicate of 753549 | 2.13 | " | 568788 | Duplicate of 279881 | 1.25 |
| 15 | 279589 | | 1.70 | " | 279888 | | 1.22 |
| " | 279590 | Duplicate of 279589 | 1.69 | " | 568789 | Duplicate of 279888 | 1.00 |
| 16 | 279629 | | 0.84 | " | 279893 | | 1.53 |
| " | 279630 | Duplicate of 279629 | 0.73 | " | 568790 | Duplicate of 279893 | 1.56 |

## ANNEX 12: List of DUPLICATES & ASSAY RESULTS [suite]

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 21B | 279899 | | 2.13 | 36 | 396 | | 0.02 |
| " | 568791 | Duplicate of 279899 | 1.62 | " | 568822 | Duplicate of 396 | 0.06 |
| " | 279909 | | 1.16 | | 437 | | 0.55 |
| " | 279910 | Duplicate of 279909 | 1.11 | | 568823 | Duplicate of 437 | 0.44 |
| " | 279925 | | 1.75 | 37 | 478 | | 1.75 |
| " | 568792 | Duplicate of 279925 | 1.92 | " | 568824 | Duplicate of 478 | 1.36 |
| 22 | 61 | | 1.26 | 38 | 1513 | | 1.62 |
| " | 568781 | Duplicate of 061 | 1.60 | " | 1513rp | Duplicate of 1513 | 1.53 |
| 23 | 279949 | | 1.40 | " | 568825 | | 1.52 |
| " | 279950 | Duplicate of 279949 | 1.43 | " | 568825rp | Duplicate of 568825 | 0.11 |
| " | 568793 | Duplicate of 279949 | 1.39 | 40 | 1554 | | 1.41 |
| " | 279989 | | 1.67 | " | 568826 | Duplicate of 1554 | 1.50 |
| " | 279990 | Duplicate of 279989 | 1.68 | 41 | 526 | | 1.42 |
| " | 568794 | Duplicate of 279989 | 1.73 | " | 568795 | Duplicate of 526 | 1.63 |
| 24 | 79 | | 0.98 | " | 564 | | 1.59 |
| " | 568814 | Duplicate of 079 | 1.08 | " | 568796 | Duplicate of 564 | 1.36 |
| " | 115 | | 1.72 | 42 | 682 | | 0.08 |
| " | 568815 | Duplicate of 115 | 1.47 | " | 568799 | Duplicate of 682 | 0.10 |
| 26 | 156 | | 1.15 | 43 | 723 | | 2.15 |
| " | 568816 | Duplicate of 156 | 1.02 | " | 568800 | Duplicate of 723 | 1.80 |
| 27 | 608 | | 1.18 | 44 | 766 | | 2.43 |
| " | 568797 | Duplicate of 608 | 1.23 | " | 966 | Duplicate of766 | 1.61 |
| 28 | 646 | | 0.82 | 45 | 804 | | 0.50 |
| " | 568798 | Duplicate of 646 | 0.87 | " | 967 | Duplicate of 804 | 0.77 |
| 31 | 199 | | 1.22 | 46 | 843 | | 2.56 |
| " | 568817 | Duplicate of 199 | 1.99 | " | 968 | Duplicate of 843 | 2.14 |
| 32 | 238 | | 0.05 | 47 | 885 | | 1.83 |
| " | 568818 | Duplicate of 238 | 0.03 | " | 969 | Duplicate of 885 | 1.60 |
| 33 | 273 | | 2.32 | 49 | 1022 | | 1.70 |
| " | 568819 | Duplicate of 273 | 2.54 | " | 970 | Duplicate of 1022 | 1.80 |
| 34 | 314 | | 1.77 | 51 | 1063 | | 1.50 |
| " | 568820 | Duplicate of 314 | 1.99 | " | 971 | Duplicate of 1063 | 1.55 |
| 35 | 355 | | 1.35 | 53 | 1595 | | 1.15 |
| " | 568821 | Duplicate of 355 | 1.81 | " | 568827 | Duplicate of 15985 | 2.22 |

# ANNEX 12: List of DUPLICATES & ASSAY RESULTS [suite]

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 53 | 1636 | | 1.79 | 67 | 1431 | | 1.73 |
| " | 568828 | Duplicate of 1636 | 1.66 | " | 980 | Duplicate of 1431 | 1.59 |
| 54 | 1677 | | 1.58 | " | 1472 | | 0.90 |
| " | 568829 | Duplicate of 1677 | 2.06 | " | 981 | Duplicate of 1472 | 0.91 |
| 55 | 1718 | | 1.87 | 69 | 2021 | | 0.04 |
| " | 568830 | Duplicate of 1718 | 2.00 | " | 982 | Duplicate of 2021 | 0.04 |
| 56 | 1759 | | 0.16 | 70 | 2062 | | 0.02 |
| " | 568831 | Duplicate of 1759 | 0.24 | " | 983 | Duplicate of 2062 | 0.02 |
| 57 | 1800 | | 1.22 | 73 | 2100 | | 1.52 |
| " | 868832 | Duplicate of 1800 | 1.45 | " | 984 | Duplicate of 2100 | 1.65 |
| 59 | 1841 | | 1.79 | 74 | 2141 | | 1.13 |
| " | 568833 | Duplicate of 1841 | 1.63 | " | 985 | Duplicate of 2141 | 1.34 |
| 60 | 1882 | | 1.61 | 75 | 2180 | | 1.42 |
| " | 568834 | Duplicate of 1882 | 1.20 | " | 986 | Duplicate of 2180 | 1.73 |
| 61 | 2419 | | 0.01 | 76 | 2221 | | 1.53 |
| " | 568835 | Duplicate of 2419 | <100pp | " | 987 | Duplicate of 2221 | 1.39 |
| " | 2461 | | 0.90 | 77 | 2262 | | 0.06 |
| " | 568836 | Duplicate of 2461 | 0.71 | " | 988 | Duplicate of 2262 | 0.08 |
| 62 | 1104 | | 1.93 | 79 | 2500 | | 0.89 |
| " | 972 | Duplicate of 1104 | 1.91 | " | 568837 | Duplicate of 2500 | 0.69 |
| " | 1145 | | 1.08 | 80 | 2532 | | 0.12 |
| " | 973 | Duplicate of 1145 | 1.03 | " | 568838 | Duplicate of 2532 | 0.23 |
| 63 | 1186 | | 1.17 | 81 | 2571 | | 0.03 |
| " | 974 | Duplicate of 1186 | 0.98 | " | 568839 | Duplicate of 2571 | 0.03 |
| 65 | 1227 | | 1.67 | 82 | 2305 | | 1.95 |
| " | 975 | Duplicate of 1227 | 1.41 | " | 989 | Duplicate of 2305 | 1.36 |
| " | 1268 | | 1.82 | 83 | 2339 | | 1.61 |
| " | 976 | Duplicate of 1268 | 1.40 | " | 990 | Duplicate of 2339 | 1.48 |
| " | 1308 | | 1.48 | 84 | 2380 | | 0.04 |
| " | 977 | Duplicate of 1308 | 1.69 | " | 991 | Duplicate of 2380 | 0.05 |
| " | 1349 | | 0.91 | | | | |
| " | 978 | Duplicate of 1349 | 1.12 | | | | |
| 66 | 1390 | | 1.53 | | | | |
| " | 979 | Duplicate of 1390 | 1.19 | | | | |

# ANNEX 13: Composite Sampling for ORE PROCESSING at HAZEN

| HOLE # | DYKE | $Li_2O$% | from | to | length | Kg | BAGS | sample FR | sample TO |
|---|---|---|---|---|---|---|---|---|---|
| **All** | **DYKE 7.2** | **1.69** | | | | **114.10** | | | |
| JBL09-01 | 7.2 | 1.75 | 54.32 | 62.98 | 8.66 | 17.61 | 6 | 753022 | 753027 |
| JBL09-02 | 7.2 | 1.72 | 26.05 | 35.92 | 9.87 | 20.07 | 8 | 753037 | 753045 |
| JBL09-03 | 7.2 | 1.70 | 37.25 | 42.42 | 5.17 | 10.51 | 4 | 753068 | 753072 |
| JBL09-04 | 7.2 | 1.79 | 26.85 | 30.80 | 3.95 | 8.03 | 3 | 753085 | 753087 |
| JBL09-06 | 7.2 | 1.54 | 101.97 | 105.14 | 3.17 | 6.45 | 2 | 753209 | 753211 |
| JBL09-07 | 7.2 | 1.57 | 103.75 | 108.95 | 5.20 | 10.57 | 4 | 753309 | 753313 |
| JBL09-08 | 7.2 | 1.65 | 108.65 | 116.05 | 7.40 | 15.05 | 6 | 753407 | 753413 |
| JBL09-10 | 7.2 | 1.70 | 156.95 | 159.44 | 2.49 | 5.06 | 2 | 753269 | 753271 |
| JBL09-11 | 7.2 | 2.24 | 127.80 | 132.62 | 4.82 | 9.80 | 4 | 753366 | 753369 |
| JBL09-12 | 7.2 | 1.19 | 148.37 | 153.75 | 5.38 | 10.94 | 5 | 753461 | 753465 |
| Calculated average grade | | 1.69 | | | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **All** | **DYKE 7.6** | **1.53** | | | | **138.70** | | | |
| JBL09-09 | 7.6 | 1.40 | 27.70 | 37.90 | 10.20 | 20.74 | 7 | 753142 | 753148 |
| JBL09-10 | 7.6 | 1.61 | 19.35 | 32.85 | 13.50 | 27.45 | 11 | 753229 | 753239 |
| JBL09-11 | 7.6 | 1.70 | 22.20 | 30.92 | 8.72 | 17.73 | 7 | 753326 | 753333 |
| JBL09-12 | 7.6 | 1.57 | 25.07 | 30.84 | 5.77 | 11.73 | 4 | 753423 | 753426 |
| JBL09-14 | 7.6 | 1.83 | 105.34 | 113.70 | 8.36 | 17.00 | 7 | 753534 | 753541 |
| JBL09-15 | 7.6 | 1.23 | 89.29 | 95.16 | 5.87 | 11.94 | 5 | 279576 | 279581 |
| JBL09-17 | 7.6 | 1.37 | 94.52 | 99.20 | 4.68 | 9.52 | 4 | 279672 | 279675 |
| JBL09-18 | 7.6 | 1.35 | 140.45 | 147.24 | 6.79 | 13.81 | 6 | 279728 | 279734 |
| JBL09-20 | 7.6 | 1.42 | 156.00 | 160.32 | 4.32 | 8.78 | 4 | 279851 | 279854 |
| Calculated average grade | | 1.53 | | | | | | | |

| HOLE # | DYKE | $Li_2O$% | from | to | length | Kg | BAGS | sample FR | sample TO |
|---|---|---|---|---|---|---|---|---|---|
| **All** | **DYKE 8.3** | **1.53** | | | | **116.48** | | | |
| JBL09-15 | 8.3 | 1.55 | 11.90 | 16.71 | 4.81 | 9.78 | 4 | 279562 | 279565 |
| JBL09-16 | 8.3 | 1.73 | 8.33 | 20.98 | 12.65 | 25.72 | 9 | 279606 | 279615 |
| JBL09-17 | 8.3 | 1.41 | 8.83 | 13.29 | 4.46 | 9.07 | 4 | 279654 | 279657 |
| JBL09-19 | 8.3 | 1.47 | 64.13 | 73.92 | 9.79 | 19.91 | 7 | 279756 | 279763 |
| JBL09-20 | 8.3 | 1.51 | 57.10 | 71.82 | 14.72 | 29.93 | 11 | 279823 | 279834 |
| JBL09-21B | 8.3 | 1.46 | 71.91 | 75.50 | 3.59 | 7.30 | 3 | 279891 | 279893 |
| JBL09-23 | 8.3 | 1.39 | 146.09 | 149.82 | 3.73 | 7.58 | 4 | 279991 | 279994 |
| JBL09-24 | 8.3 | 1.44 | 136.18 | 139.71 | 3.53 | 7.18 | 3 | 105 | 107 |
| Calculated average grade | | 1.53 | | | | | | | |

| All | DYKE 8.7 | 1.71 | | | | 141.26 | | | |
|---|---|---|---|---|---|---|---|---|---|
| JBL09-25 | 8.7 | 1.52 | 36.30 | 53.14 | 16.84 | 34.24 | 12 | 124 | 136 |
| JBL09-28 | 8.7 | 1.98 | 48.53 | 69.53 | 21.00 | 42.70 | 14 | 618 | 632 |
| JBL09-29 | 8.7 | 2.19 | 117.78 | 119.90 | 2.12 | 4.31 | 2 | 658 | 659 |
| JBL09-32 | 8.7 | 1.33 | 124.55 | 130.60 | 6.05 | 12.30 | 4 | 234 | 237 |
| JBL09-34 | 8.7 | 1.65 | 136.24 | 159.70 | 23.46 | 47.70 | 17 | 331 | 349 |
| Calculated average grade | | 1.71 | | | | | | | |

| All | DYKE 9.2 | 1.36 | | | | 101.53 | | | |
|---|---|---|---|---|---|---|---|---|---|
| JBL09-31 | 9.2 | 1.64 | 22.00 | 27.48 | 5.48 | 11.14 | 5 | 171 | 175 |
| JBL09-33 | 9.2 | 1.57 | 32.79 | 42.48 | 9.69 | 19.70 | 8 | 245 | 254 |
| JBL09-33 | 9.2 | 1.40 | 43.60 | 46.42 | 2.82 | 5.73 | 3 | 255 | 257 |
| JBL09-35 | 9.2 | 1.25 | 35.38 | 41.22 | 5.84 | 11.88 | 4 | 354 | 357 |
| JBL09-36 | 9.2 | 1.00 | 54.20 | 60.20 | 6.00 | 12.20 | 4 | 399 | 402 |
| JBL09-37 | 9.2 | 1.36 | 105.08 | 121.18 | 16.10 | 32.74 | 11 | 465 | 476 |
| JBL09-38 | 9.2 | 1.19 | 135.40 | 139.40 | 4.00 | 8.13 | 3 | 1520 | 1522 |
| Calculated average grade | | 1.36 | | | | | | | |

| HOLE # | DYKE | $Li_2O$% | from | to | length | Kg | BAGS | sample FR | sample TO |
|---|---|---|---|---|---|---|---|---|---|
| **All** | **DYKE 10.4** | **1.58** | | | | **99.90** | | | |
| JBL09-40 | 10.4 | 2.46 | 22.95 | 25.10 | 2.15 | 4.37 | 2 | 1545 | 1546 |
| JBL09-53 | 10.4 | 1.68 | 46.15 | 51.18 | 5.03 | 10.23 | 4 | 1614 | 1618 |
| JBL09-55 | 10.4 | 1.69 | 108.03 | 113.85 | 5.82 | 11.83 | 5 | 1741 | 1745 |
| JBL09-60 | 10.4 | 1.56 | 142.07 | 149.50 | 7.43 | 15.11 | 5 | 1893 | 1897 |
| JBL09-61 | 10.4 | 1.40 | 182.02 | 193.20 | 11.18 | 22.73 | 8 | 2454 | 2461 |
| JBL09-70 | 10.4 | 1.34 | 114.20 | 123.02 | 8.82 | 17.93 | 6 | 2063 | 2068 |
| JBL09-70 | 10.4 | 1.74 | 129.20 | 137.90 | 8.70 | 17.69 | 6 | 2074 | 2079 |
| Calculated average grade | | 1.58 | | | | | | | |

| | DYKE 11.2-11.4 | | | | | | 147.14 | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| JBL09-53 | 11.2, 11.3 & 11.4 | 1.97 | 15.00 | 32.18 | 17.18 | 17180 | 34.93 | 12 | 1597 | 1609 |
| JBL09-53 | 11.2, 11.3 & 11.4 | 1.15 | 33.38 | 38.12 | 4.74 | 4740 | 9.64 | 4 | 1610 | 1613 |
| JBL09-54 | 11.2, 11.3 & 11.4 | 1.58 | 65.94 | 85.00 | 19.06 | 19060 | 38.76 | 14 | 1663 | 1677 |
| JBL09-55 | 11.1 & 11.2 | 1.41 | 79.50 | 90.42 | 10.92 | 10920 | 22.21 | 8 | 1727 | 1735 |
| JBL09-59 | 11.1 & 11.2 | 1.40 | 37.80 | 58.26 | 20.46 | 20460 | 41.60 | 15 | 1834 | 1848 |
| Calculated average grade | | 1.57 | | | | | | | | |

| | DYKE 12.2 | | | | | | 119.51 | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| JBL09-78 | 12.2 | 1.52 | 16.20 | 35.20 | 19.00 | 19000 | 38.64 | 13 | 2468 | 2482 |
| JBL09-79 | 12.2 | 1.69 | 38.48 | 58.68 | 20.20 | 20200 | 41.08 | 14 | 2501 | 2516 |
| JBL09-83 | 12.2 | 1.37 | 80.80 | 94.50 | 13.70 | 13700 | 27.86 | 10 | 2342 | 2352 |
| JBL09-84 | 12.2 | 1.49 | 100.18 | 106.05 | 5.87 | 5870 | 11.94 | 5 | 2382 | 2386 |
| Calculated average grade | | 1.54 | | | | | | | | |

| | DYKE 13.2 | | | | | | 122.86 | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| JBL09-63 | 13.2 | 1.46 | 148.70 | 154.87 | 6.17 | 6170 | 12.55 | 4 | 1181 | 1184 |
| JBL09-65 | 13.2 | 1.21 | 197.52 | 212.96 | 15.44 | 15440 | 31.40 | 9 | 1302 | 1310 |
| JBL09-76 | 13.2 | 1.56 | 19.24 | 58.05 | 38.81 | 38810 | 78.92 | 27 | 2207 | 2235 |
| Calculated average grade | | 1.46 | | | | | | | | |

| | DYKE 14.2 | | | | | | 133.35 | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| JBL09-62 | 14.2 | 1.58 | 61.07 | 87.45 | 26.38 | 26380 | 53.64 | 18 | 1089 | 1107 |
| JBL09-64 | 14.2 | 1.44 | 10.60 | 36.30 | 25.70 | 25700 | 52.26 | 18 | 1198 | 1216 |
| JBL09-74 | 14.2 | 1.60 | 3.20 | 16.70 | 13.50 | 13500 | 27.45 | 9 | 2118 | 2127 |
| Calculated average grade | | 1.53 | | | | | | | | |

| | DYKE 15.1 | | | | | | 133.23 | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| JBL09-47 | 15.1 | 1.72 | 84.90 | 134.40 | 49.50 | 49500 | 100.66 | 33 | 859 | 893 |
| JBL09-50 | 15.1 | 1.48 | 36.55 | 52.57 | 16.02 | 16020 | 32.58 | 11 | 1036 | 1047 |
| Calculated average grade | | 1.66 | | | | | | | | |

Total # of Samples: 491

**CERTIFICATE of AUTHOR**

I, A. James McCann P.Geo., do hereby certify that:

I am a Principal of:
McCANN-GEOSCIENCES
1380, Des Gouverneurs Avenue,
Québec, (QC)
Canada, G1T 2G5

- I graduated with a Bachelor of Applied Sciences (BASc) from Queen's University, Kingston (ON) in 1973; and obtained a Maitrise ès Sciences Appliquées (MSc.A.) from École Polytechnique (U. de Montréal) in 1981.

- I am a member (#332) of the Québec Order of Geologist; and I am also a member of the Canadian Institute of Mining and Metallurgy.

- I have practiced my profession since 1973 (>40 years).

- I am a "qualified person" as defined in National Instrument 43-101 and certify that I fulfill all the requirements of such definition. I personally executed the field work contained in this report between May 2009 and December 2010; and supervised the sampling on site. My relevant experience includes:

    - Mineralogist (SOQUEM)
    - Manager of exploration (SOQUEM)-Chibougamau field office.
    - Research Geologist & Manager (SOQUEM)
    - Project Manager-Development (SOQUEM) w/ speciality in silica, chromite, lithium, phosphates (apatite), titanium and REE.

- I wrote this report titled "REPORT : 2009-2010 Diamond Drilling & Channel Sampling Programs James Bay Lithium Property (33C/03) by Galaxy Resources, formerly owned by Lithium One Inc.."

- I had previously visited the property (one day) in 1992 on behalf of SOQUEM; and supervised and executed the 2008 drilling program for the company, then called Coniagas Resources ltd.

- As of the date of this certificate, to the best of my knowledge, information and belief, I have included all scientific and technical information relevant to the production of a technical report that is clear and not misleading.

- I am independent of the issuer applying all of the tests in section 1.4 of National Instrument 43-101.

- I have read National Instrument 43-101 and Form 43101F1, and this technical report has been prepared in compliance with that Instrument & Form.

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

Dated the 1st of August, 2011, and revised December 2013

A James McCann

Signature of A. James McCann, P.Geo.

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