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Rock Tech Lithium Inc.

Report on Exploration Work 2016 – Prospecting and Channel Sampling

Georgia Lake Lithium Project

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11-21-2017

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1.0 Introduction

This report covers work that was on completed on Rock Tech Lithium's Georgia Lake project from summer to autumn, 2016. Work completed includes prospecting, grab sampling, trenching, and channel sampling. This work took place on two claim blocks within the Georgia Lake project: the Nama-Conway-McVittie block and the Aumacho block.

The author of this report is Jessica Daniel, B.Sc., P. Geo (British Columbia). Ms. Daniel is a geological consultant in good standing with the Association of Professional Engineers and Geoscientists of British Columbia (APEG BC member # 35485) who has been contracted by Rock Tech Lithium. Ms. Daniel has worked for several Canadian mining and junior exploration companies and has overseen exploration programs, including field work and drilling campaigns, during her career. She made a site visit to the property while channel sampling was ongoing.

1.1 Abbreviations and Units

Several abbreviations for elements, minerals, and units have been used in this report (Table 1).

Table 1. Abbreviations and units used in this report.

Abbreviation	Long Form
Li ₂ O	Lithium Oxide
Peg	Pegmatite
Int	Intermediate
spod	Spodumene
k-spar/kspar	Potassium Feldspar
Minz	Mineralization
ppm	Parts per million
ICP-OES	Inductively coupled plasma – Optical emission spectrometry
ICP-MS	Inductively coupled plasma – Mass spectrometry
RQD	Rock quality designation
EOH	End of hole
cm	Centimetres
m	Metres
km	Kilometres
wt. %	Weight percent
BD	Below detection
ha	Hectares
GPS	Global Positioning System
NQ	Core with diameter of 4.76cm
ESE	East-southeast
ATV	All-terrain vehicle

2.0 Property Location and Access

2.1 Property Location

The Georgia Lake Property is located approximately 150km northeast of Thunder Bay within the Thunder Bay Mining Division in NTS sheets 42E05NW and 52H08NE (Figure 1). The Property consists of 8 separate claims blocks, the largest being the Nama-Conway-McVittie block at the property's northern extent, roughly 20km south of the town of Beardmore. This block consists of 22 mining claims and 36 dispositions.

Roughly 8.5km to the south of Nama-Conway-McVittie is the Aumacho claim block, comprising three mining claims. Two single claims were staked in 2016 to the south and southeast of Aumacho.

At the southern end of the property, roughly 40km south of the town of Beardmore is MNW property. This property consists of two dispositions.

In the central part of the project are the Jean Lake, Foster-Lew, and Newkirk properties, all of which consist entirely of dispositions. Claim blocks are internally contiguous, though not contiguous with each other (Figure 2).

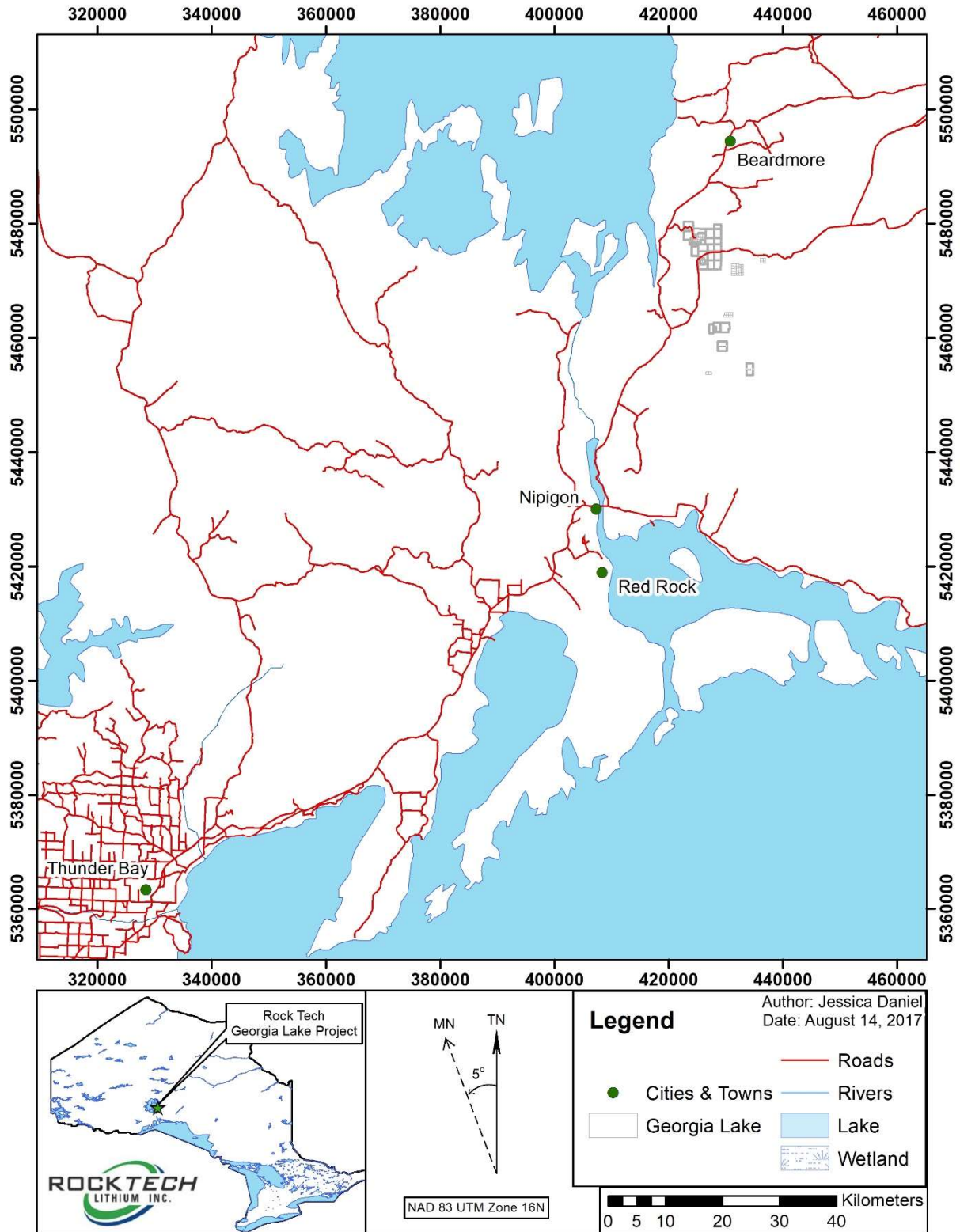


Figure 1. Rock Tech Lithium Georgia Lake Project location map.

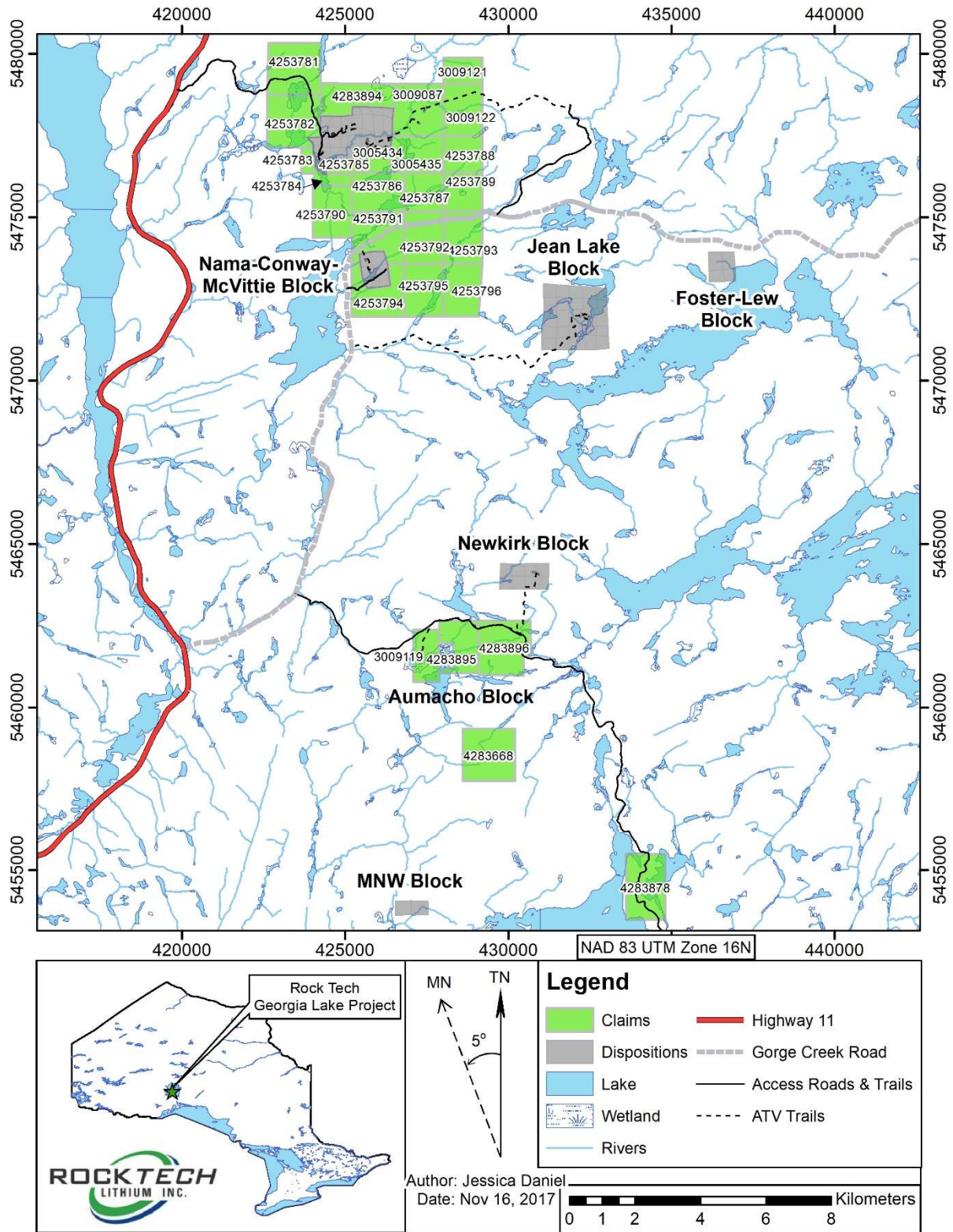


Figure 2. Georgia Lake project property map.

2.2 Access

The main access route to the project is Highway 11 which connects the towns of Nipigon and Beardmore. Roughly halfway between the towns, a dirt road named The Gorge Creek Road turns off the highway on the east side. This road, and various smaller dirt roads and ATV trails connected to it, provides the best access to all properties of the Georgia Lake project. Most of the properties require an ATV to access. The nearest major airport is in Thunder Bay.

3.0 Claim Description and Ownership

The Georgia Lake project comprises 27 claims, 100% owned by Rock Tech Lithium and covers a total of 4,618 hectares. Table 2 summarizes the claims.

Table 2. List of claims in the Georgia Lake property.

Claim Number	Area	Recording Date	Due Date	Work Required	Area (Ha)
TB4283878	Cosgrave Lake	18-May-16	18-May-18	\$6,000	242
TB4283668	South of Aumacho	18-May-16	18-May-18	\$6,400	256
TB3009119	Aumacho	23-Aug-07	23-Aug-18	\$3,200	127
TB4283895	Aumacho	18-May-16	18-May-18	\$5,200	159
TB4283896	Aumacho	18-May-16	18-May-18	\$6,000	254
TB4253796	McVittie Area	09-Dec-09	09-Dec-17	\$4,800	182
TB4253795	McVittie Area	09-Dec-09	09-Dec-17	\$4,800	193
TB4253794	McVittie Area	09-Dec-09	09-Dec-17	\$4,800	199
TB4253791	McVittie Area	09-Dec-09	09-Dec-17	\$5,600	226
TB4253792	McVittie Area	09-Dec-09	09-Dec-17	\$4,800	192
TB4253793	McVittie Area	09-Dec-09	09-Dec-17	\$4,800	192
TB4253789	McVittie Area	09-Dec-09	09-Dec-17	\$3,600	144
TB4253787	McVittie Area	09-Dec-09	09-Dec-18	\$3,600	144
TB4253786	McVittie Area	09-Dec-09	09-Dec-17	\$4,800	192
TB4253790	McVittie Area	09-Dec-09	09-Dec-17	\$4,800	192
TB3009121	Conway Area	23-Aug-07	23-Aug-17	\$2,400	96
TB3009122	Conway Area	23-Aug-07	23-Aug-18	\$3,950	192
TB4253788	Conway Area	09-Dec-09	09-Dec-18	\$3,600	134
TB3005435	Conway Area	23-Aug-07	23-Aug-19	\$4,800	178
TB3009087	Conway Area	23-Aug-07	23-Aug-20	\$2,400	245
TB4253781	Nama Creek Area	09-Dec-09	09-Dec-17	\$6,400	259
TB4253782	Nama Creek Area	09-Dec-09	09-Dec-17	\$6,000	251
TB4253783	Nama Creek Area	09-Dec-09	09-Dec-18	\$800	32
TB4253784	Nama Creek Area	09-Dec-09	09-Dec-19	\$1,200	44
TB4253785	Nama Creek Area	09-Dec-09	09-Dec-18	\$1,200	41
TB3005434	Nama Creek Area	23-Aug-07	23-Aug-21	\$1,600	64
TB4283894	Nama Creek Area	18-May-16	18-May-18	\$4,800	188

4.0 Geological Setting

4.1 Regional Geology

The Georgia Lake area is located in the Quetico Subprovince within the Superior Province (Figure 3). The Quetico Subprovince is Archean in age and dominated by metasediments, particularly wacke, iron formation, conglomerate, and siltstone. Lesser amounts of igneous rocks are present, consisting of felsic and intermediate intrusions, metamorphosed felsic and mafic volcanics, and rare gabbroic and ultramafic rocks. Mineralisation in the Quetico is generally low with rare element pegmatites being the exception (Williams, 1991). The highest concentration of rare-element mineralisation in the Superior Province is in the pegmatites of the Georgia Lake area (Breaks, Selway, and Tindle, 2008).

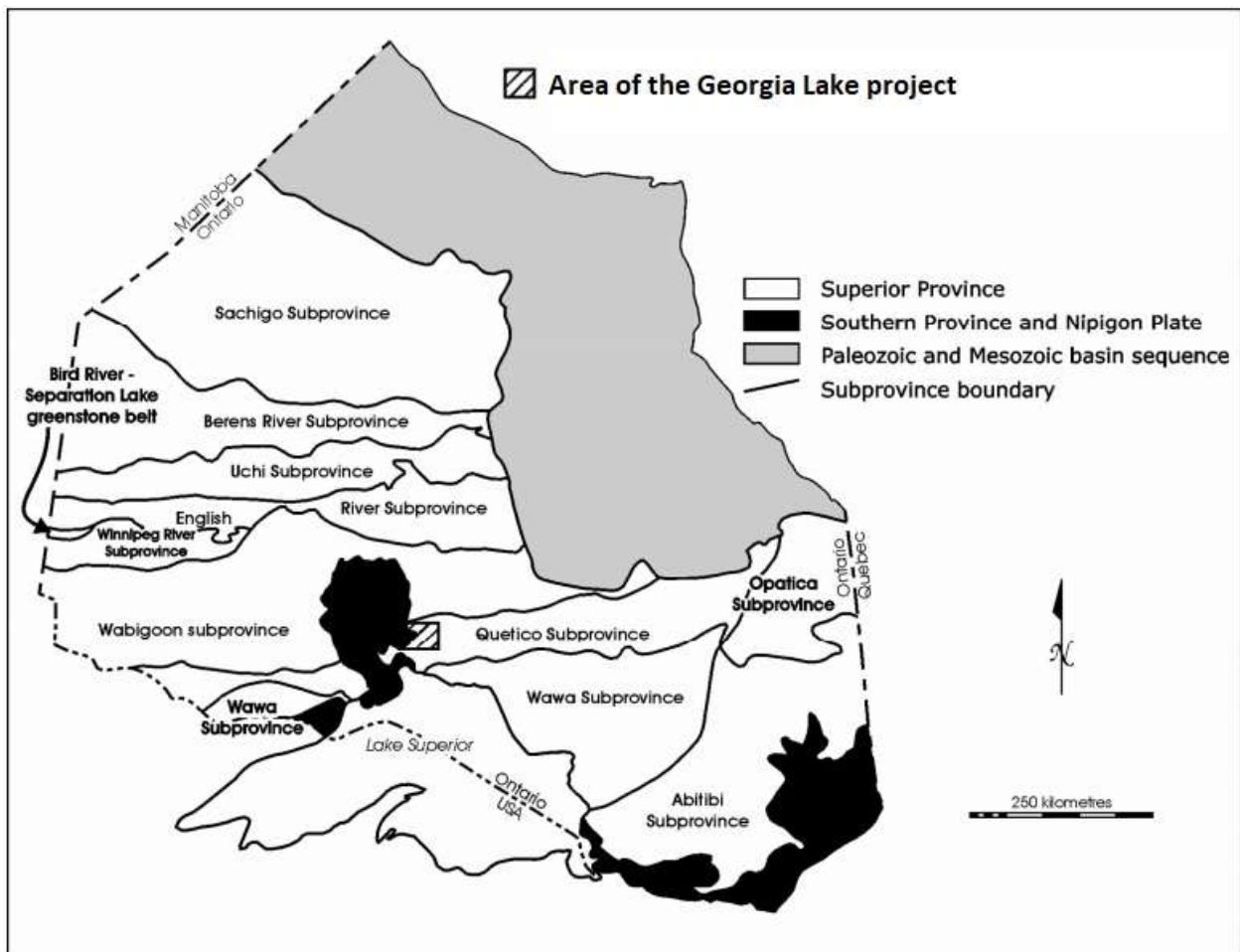


Figure 3. Subprovinces of the Superior Province. Modified after Breaks, Selway and Tindle (2008).

4.2 Property Geology

Rock Tech Lithium's Georgia Lake property consists dominantly of metamorphosed sediments which host several of the rare element pegmatites. Following sedimentation, granitic rocks and gabbroic sills and dykes intruded the area followed by Logan sills during the Proterozoic (Pye, 1965). The granitic Glacier Lake Batholith and Barbara Lake stock are thought to be the progenitors of the Georgia Lake

pegmatite dykes (Breaks, Selway, and Tindle, 2008). Pegmatites are hosted within the metasediments, smaller granitic units, and the progenitor granites themselves.

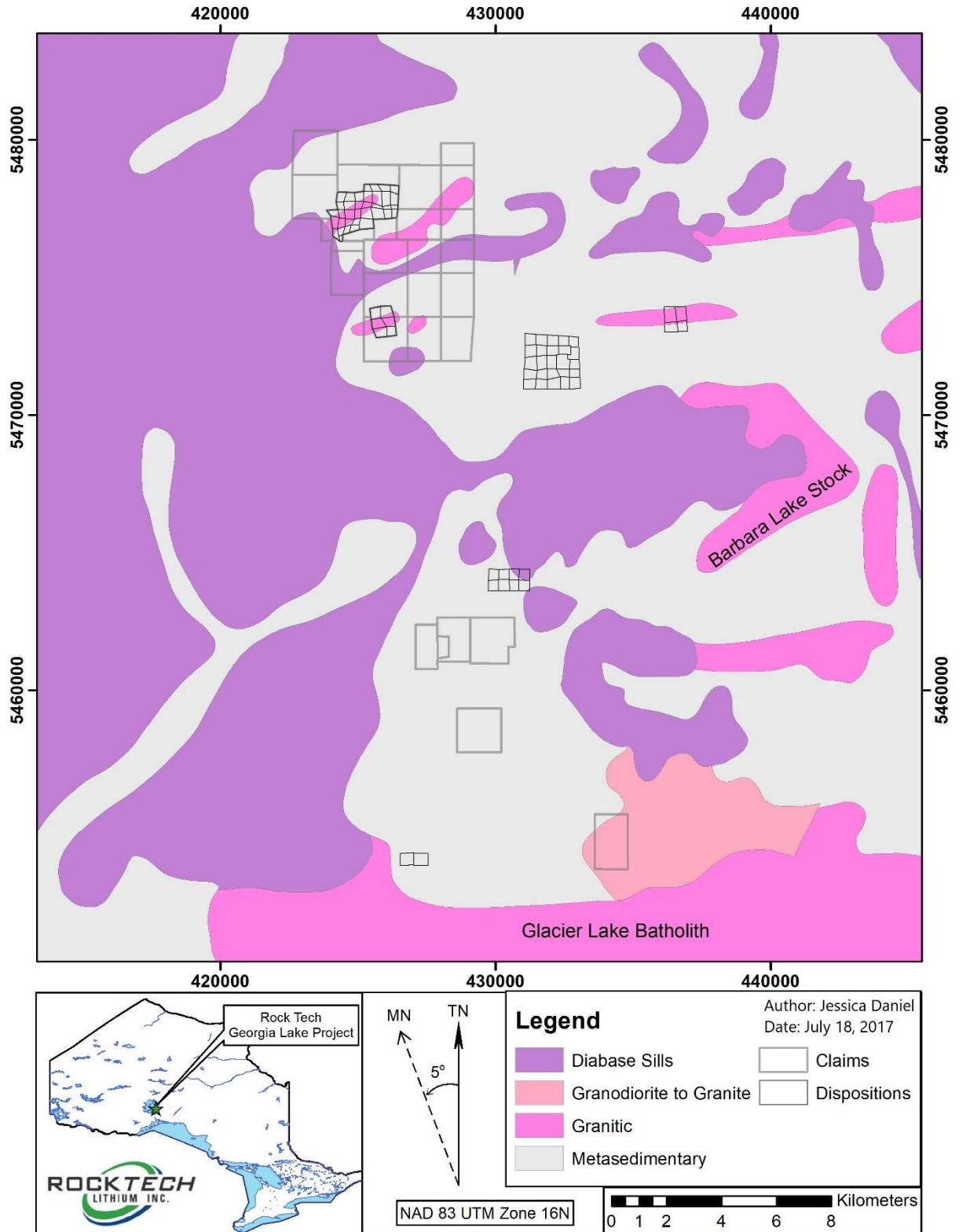


Figure 4. Geology of the Georgia Lake area

5.0 Historic Work

Spodumene was discovered in the Georgia Lake area in 1955. This set off a staking rush with several companies controlling various parts of the Georgia Lake area (Pye, 1965). A considerable amount of drilling was completed around this time, including the following on what is now Rock Tech's Georgia Lake project:

Table 3. Summary of early historic work.

Dyke	Area	Year	Drillholes	Company
MZN	Nama Creek	1955-1956	45	Nama Creek Mines Ltd
MZSW	Nama Creek	1955-1956	14	Nama Creek Mines Ltd
Harricana/West	Nama Creek	1955-1956	18	New Highridge Mining Co Ltd
Line 60	Nama Creek	1955-1956	22	New Highridge Mining Co Ltd
Caral	Nama Creek	1956	13	Caral Mines Ltd
Kenogamisis	Nama Creek	1955	3	Kenogamisis Gold Mines Ltd
Conway	Conway	1958	15	E.S. Conway
Norland	Conway	1958	4	E.S. Conway
No. 1 (Conway)	Conway	1957	5	United Montauban Mines
No. 4 (Conway)	Conway	1958	2	E.S. Conway
McVittie	McVittie	1955-1956	12	Noranda Mines Ltd
Parole Lake/No. 4	Jean Lake	1955-1956	28	Jean Lake Lithium Mines Ltd
No. 1 (Jean Lake)	Jean Lake	1956	10	Jean Lake Lithium Mines Ltd
No. 3 (Jean Lake)	Jean Lake	1956	2	Jean Lake Lithium Mines Ltd
No. 5 (Jean Lake)	Jean Lake	1956	4	Jean Lake Lithium Mines Ltd
Foster	Foster-Lew	1956	5	Goldale Syndicate
Brink	Aumacho	1955	13	Aumacho River Mines Ltd
Newkirk	Newkirk	1955	8	Slush Lake Group
Vegan	Newkirk	1955-1956	34	Dunvegan Mines Ltd
MNW	MNW	1956	14	Consolidated Mining and Smelting Company of Canada Ltd

However, the area was largely inactive from 1958 to 2009 as previous owners failed to find markets for the lithium (Pye, 1965). Small exploration programs were conducted during the 1970s and 1980s and geophysical surveys were carried out on some of the prospects in search of more pegmatite. This geophysical work was found to be ineffective at making new discoveries in this area. Drilling during this time was limited and consisted of two holes at McVittie in 1987 and one hole drilled on the Foster target in 1989. All three holes were completed by Armeno Resources.

In 2009, James Bay Midarctic Developments Inc. acquired several properties in the area and carried out a project of prospecting and sampling. Drilling followed with two holes on the Conway Dyke and three holes on the Brink Dyke at Aumacho.

Rock Tech acquired the project in 2010 has since completed prospecting and sampling, trenching and channel sampling, and drilling. The following was completed by Rock Tech during its 2010-2011 programs:

Table 4. Summary of previous Rock Tech drillholes and channels

Dyke	Area	Drillholes	Channels
MZN	Nama Creek	32	17
MZSW	Nama Creek	4	9
Harricana/West	Nama Creek	6	11
Line 60	Nama Creek	5	21
Conway	Conway	13	11
Parole Lake/No. 4	Jean Lake	2	0
Brink	Aumacho	3	1
Newkirk	Newkirk	0	3

6.0 Geochemical Survey/Grab Sampling

Reconnaissance grab sampling of pegmatite outcrops took place on the Nama-Conway-McVittie claim block (Figures 5-7). Sampling was completed in the areas around previously drilled dykes. In some cases, this was completed as a way of determining potential in advance of channel sampling. In other cases, prospecting for earlier unknown dykes or dykes with little work was completed to gain a better understanding of potential in the area.

Grab samples were taken when spodumene-bearing pegmatite was encountered in the field. Samples were sent to ActLabs in Geraldton and analysed for lithium using a sodium peroxide fusion plus ICP-OES. 41 other elements, including major oxides, were also analysed for using fusion plus ICP-OES or ICP-MS. Loss on ignition was also determined. No standards, blanks, or duplicates were submitted as part of this program. Appendix A contains full results of the grab sampling program, Appendix C the daily work log, and Appendix D all the assay certificates.

Most samples were taken in the MZSW area with a total of 19 samples. Eight of these were below detection. All below detection samples were located just to the southwest of the MZSW resource area. Other samples ranged up to 2.82% Li₂O.

Ten grab samples were taken in the MZN area. All samples were taken on dykes located to the southeast of the resource. Samples in this area ranged in values from 1.01 – 2.15% Li₂O. Five more samples were taken on a dyke to the south of MZN and east of MZSW. One sample was below detection while the others ranged from 1.18 – 2.35% Li₂O.

Two samples were taken at McVittie and returned values of 2.00% Li₂O and 2.24% Li₂O.

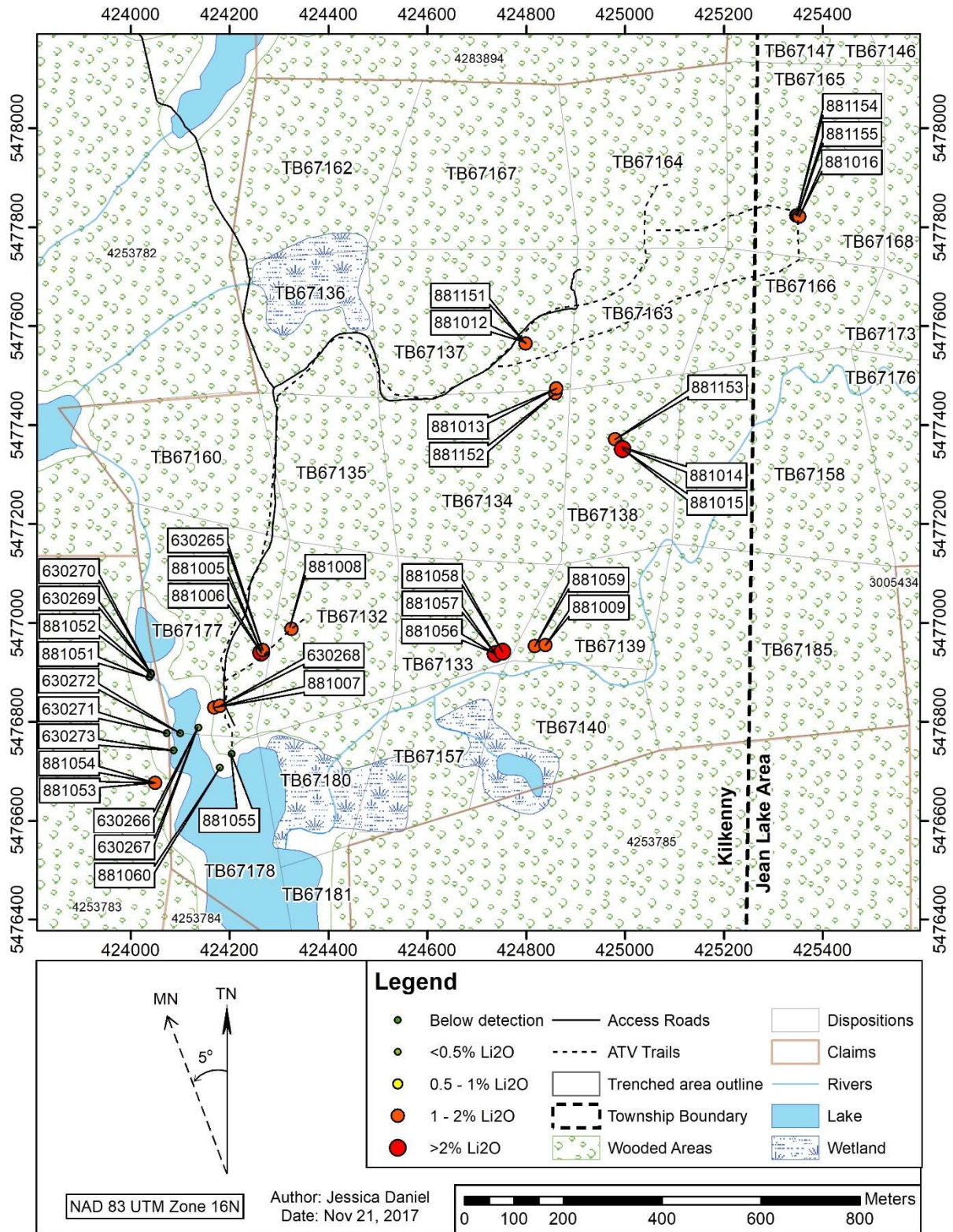


Figure 5. Grab sample results for the Nama Creek area.

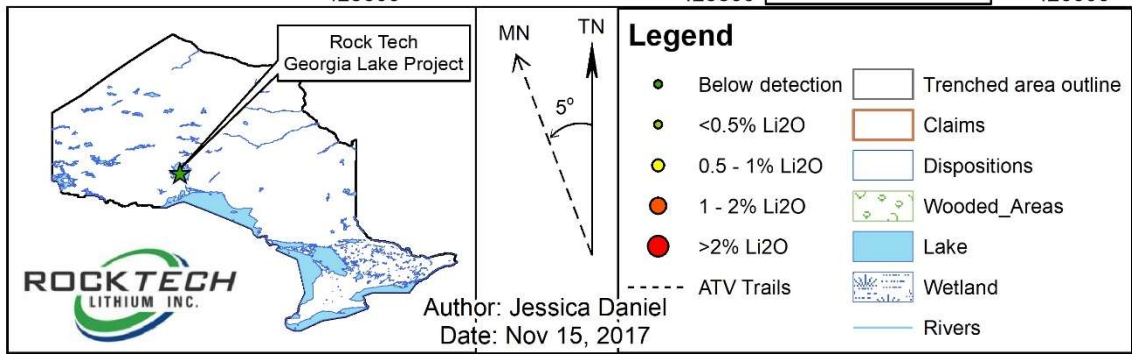
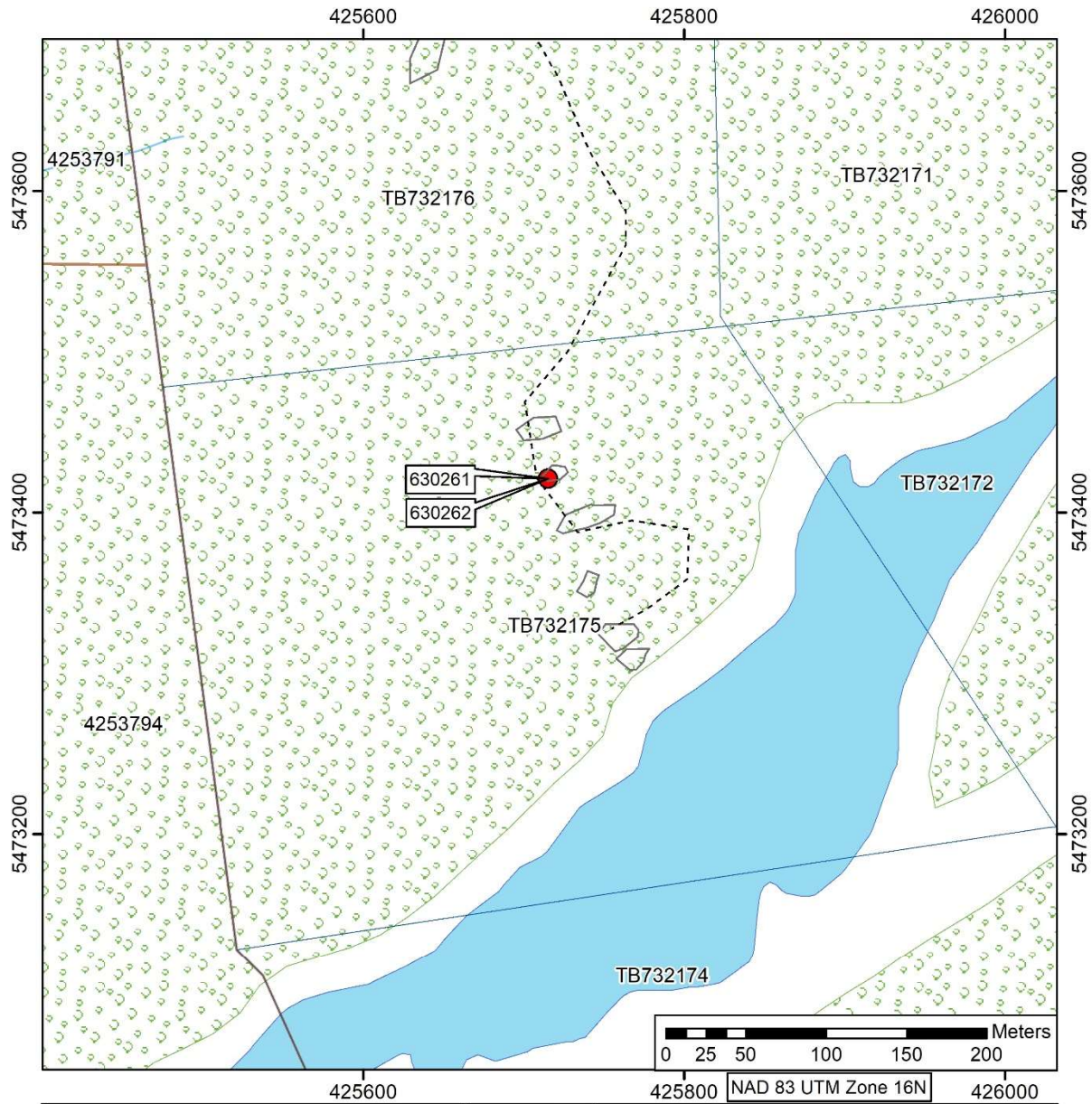


Figure 6. Grab sample results for the McVittie area.

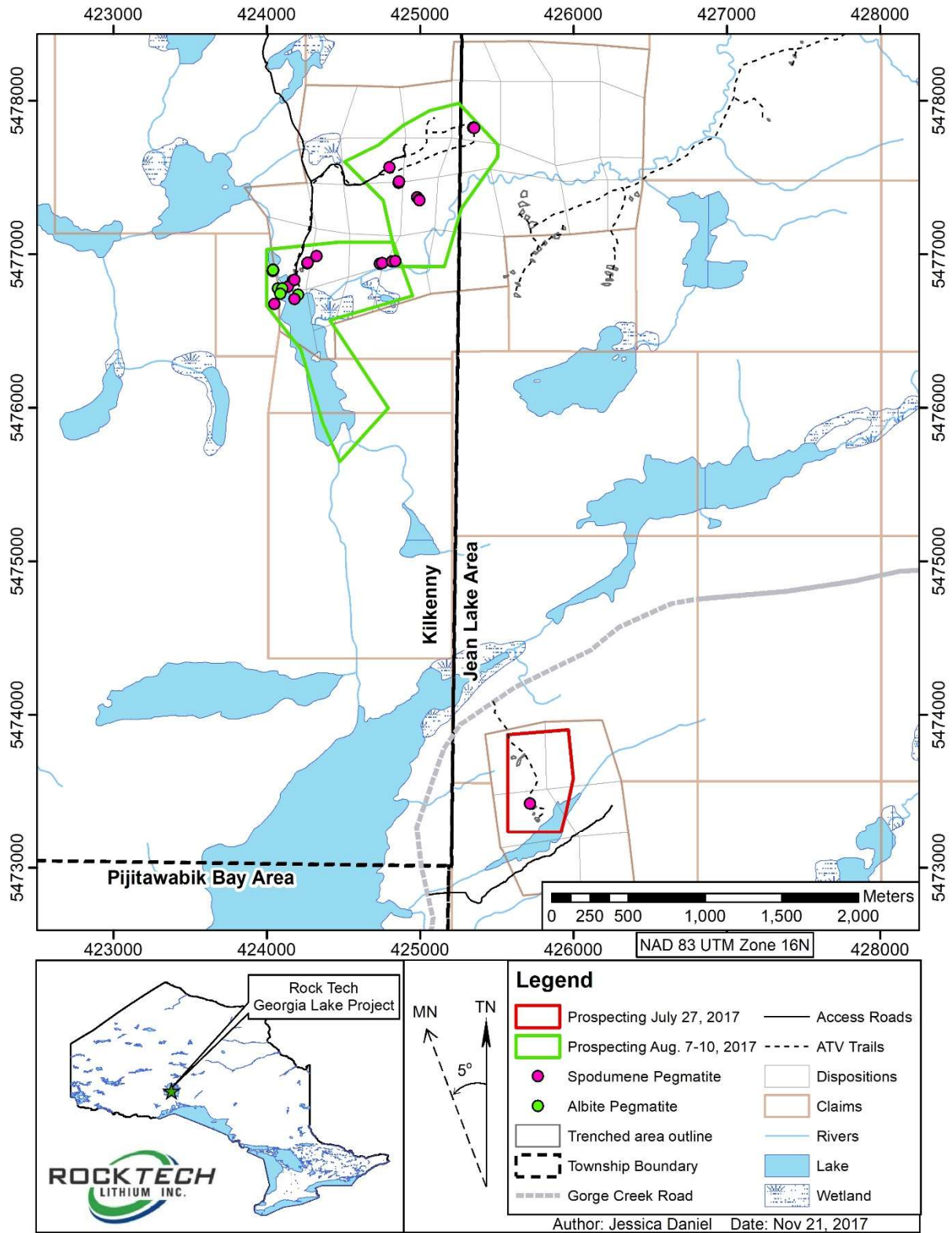


Figure 7. Map of areas prospected and sample lithologies.

7.0 Channel Sampling

Trenching followed by channel sampling was completed on several areas, mainly on the Nama-Conway-McVittie block where the Conway, Harricana, West, Line 60, McVittie, and MZSW dykes were all sampled (Figure 8). The Brink dyke on the Aumacho property was also sampled. All channel logs are in Appendix B and the daily work log is in Appendix C.

Excavation work was completed using the following equipment noted in Table 5.

Table 5. Equipment used in trenching.

Equipment	Type	Rate
Excavator	2016 Hyundai HX260L	\$139.50/hour
ATVs	4 ATVS	\$300/day
	1 Side by Side	
Water Pumps	2X Wajax	\$125/day
	2X Honda WX15	
Hose	40 x 100' hoses	\$125/day
Channel Saws	2X Stihl 420	\$150/day

Trenching and channel sampling commenced on August 16, 2016 and was completed on November 5, 2016. In total, 81 channels were cut for a total of 355.60m. GPS coordinates and azimuths of the channels were surveyed upon completion of the cutting. A total of 367 samples were collected and an additional 60 QA/QC samples were inserted into the sample stream. This included 21 blanks, 19 field duplicates and 20 standards.

7.1 Channel Sampling Procedures

Channels were cut perpendicular to dyke contacts, beginning and ending in the host rock where possible. Where not possible due to significant overburden, a sample into the host lithology was taken at another location. In rare cases, the contacts with the host were unable to be uncovered and the full thickness of the dyke was not sampled. Sample lengths were kept close 1m, though individual sample length was determined based on internal zoning of the dykes and the locations of their contacts. Geological logging was completed by sample.

Each sample was put into its own plastic sample bag with a sample tag and closed with zip ties.

Reference material was inserted into the sample stream and consisted of the following:

- A high-grade standard
- A low-grade standard
- Blank material
- Field duplicates

The material was entered in the following order:

- Standards: Every 20 samples, alternating high and low standards (Sample numbers that end in 10, 30, 50, 70, 90)
- Blanks: Every 20 samples (Sample numbers that end in 00, 20, 40, 60, 80)
- Field duplicates: Every 20 samples (Sample numbers that end in 05, 25, 45, 65, 85)

Samples were sent to ActLabs in Geraldton and analysed for lithium using a sodium peroxide fusion plus ICP-OES. 41 other elements, including major oxides, were also analysed for using fusion plus ICP-OES or ICP-MS. Loss on ignition was also determined. Specific gravity was determined for every tenth sample. All assay certificates are in Appendix D.

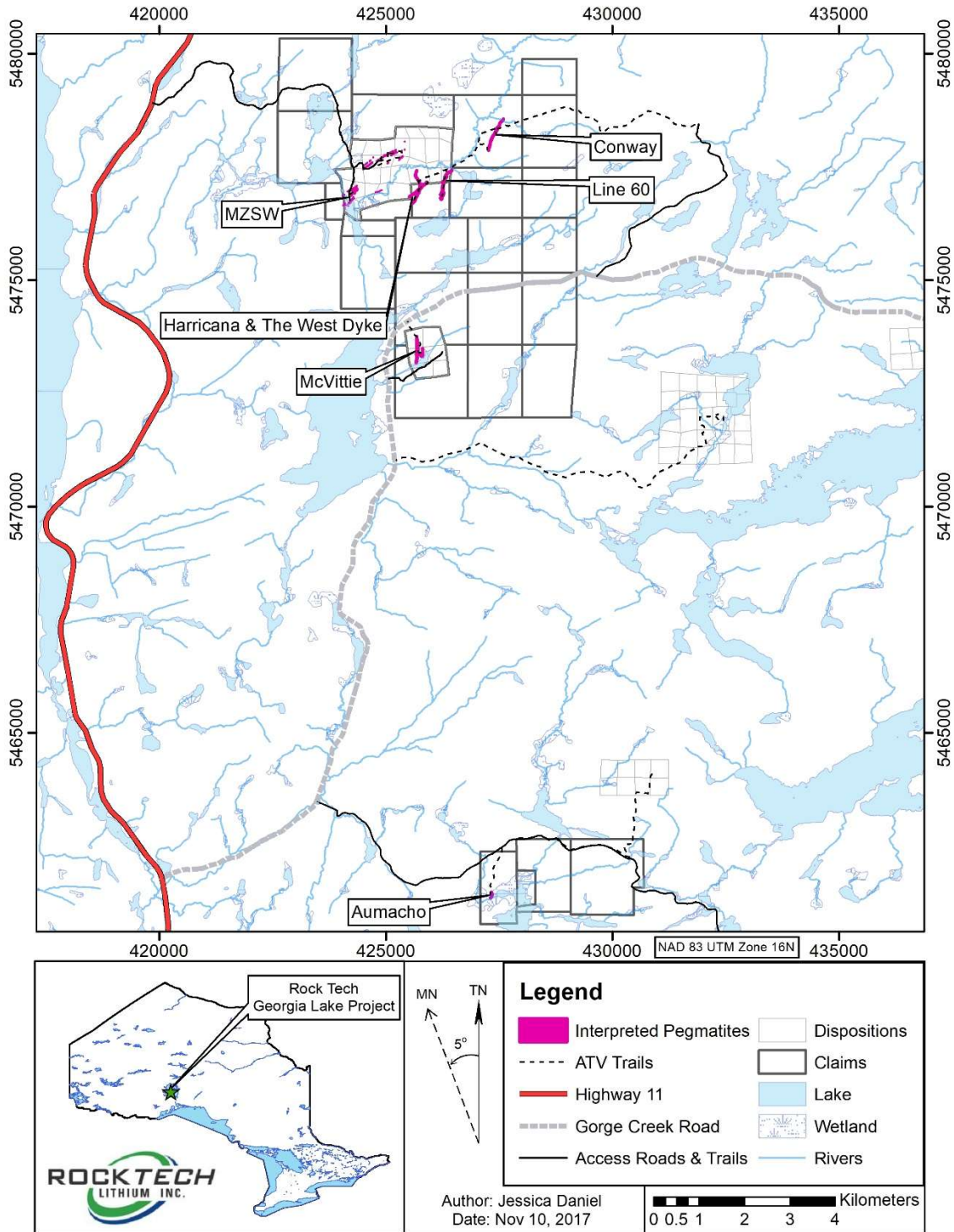


Figure 8. Areas channel sampled in 2016.

7.2 Channel Sampling Results – Aumacho

Three channels were cut into the Brink Dyke at Aumacho (Table 6), two near the dyke’s northern extent and one to the south (Figures 9-11). The spodumene-bearing Brink pegmatite is hosted in a small granite pluton within metasediments. Grain size in the pegmatite at Aumacho tended to be larger than at other areas and spodumene content tended to be greater. As such, channel samples were often higher grade than other areas (Table 7).

Table 6. Channel sample information for 2016 Aumacho channels.

Channel ID	Claim No.	Easting	Northing	Length (m)	Elevation (m)	Azimuth	Dip	Start Date	End Date
AM-16-CH-01	3009119	427320.28	5461356.233	5.49	431.125	320	0	27-Oct-16	27-Oct-16
AM-16-CH-02	3009119	427336.553	5461448.622	7.13	432.887	78	0	27-Oct-16	27-Oct-16
AM-16-CH-03	3009119	427325.543	5461478.648	6.1	434.1	70	0	29-Oct-16	29-Oct-16

Table 7. Significant results of Aumacho channel sampling.

Channel ID	From	To	Length	Li ₂ O %
AM-16-CH-01	0	5.03	5.03	1.93
AM-16-CH-02	1.02	2.04	1.02	2.13
AM-16-CH-03	1.06	5.08	4.02	2.93

Channel AM-16-CH-01 intersected 5.49m of pegmatite. Contacts to the host granite were not observed in this area as this outcrop consists entirely of pegmatite and sits in a swamp. No adequate stripping or trenching could thus be performed to reveal the host rock.

Channels AM-16-CH-02 and 03 were completed to have better confidence of the surface expression in the north. AM-16-CH-02 and AM-16-CH-03 intersected 5.09m and 4.02m respectively and both channels began and ended in the host granite.

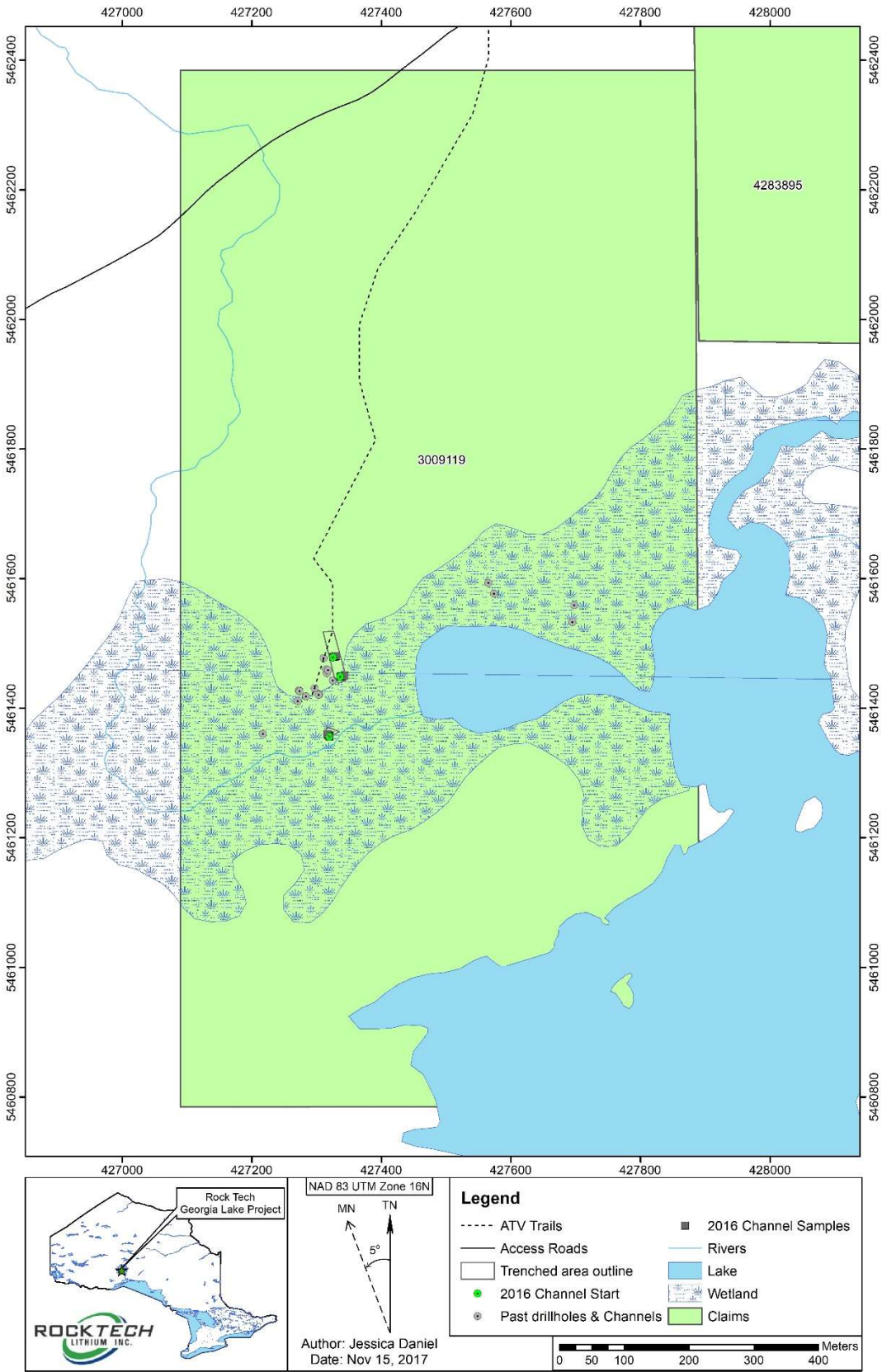


Figure 9. Aumacho channels overview.

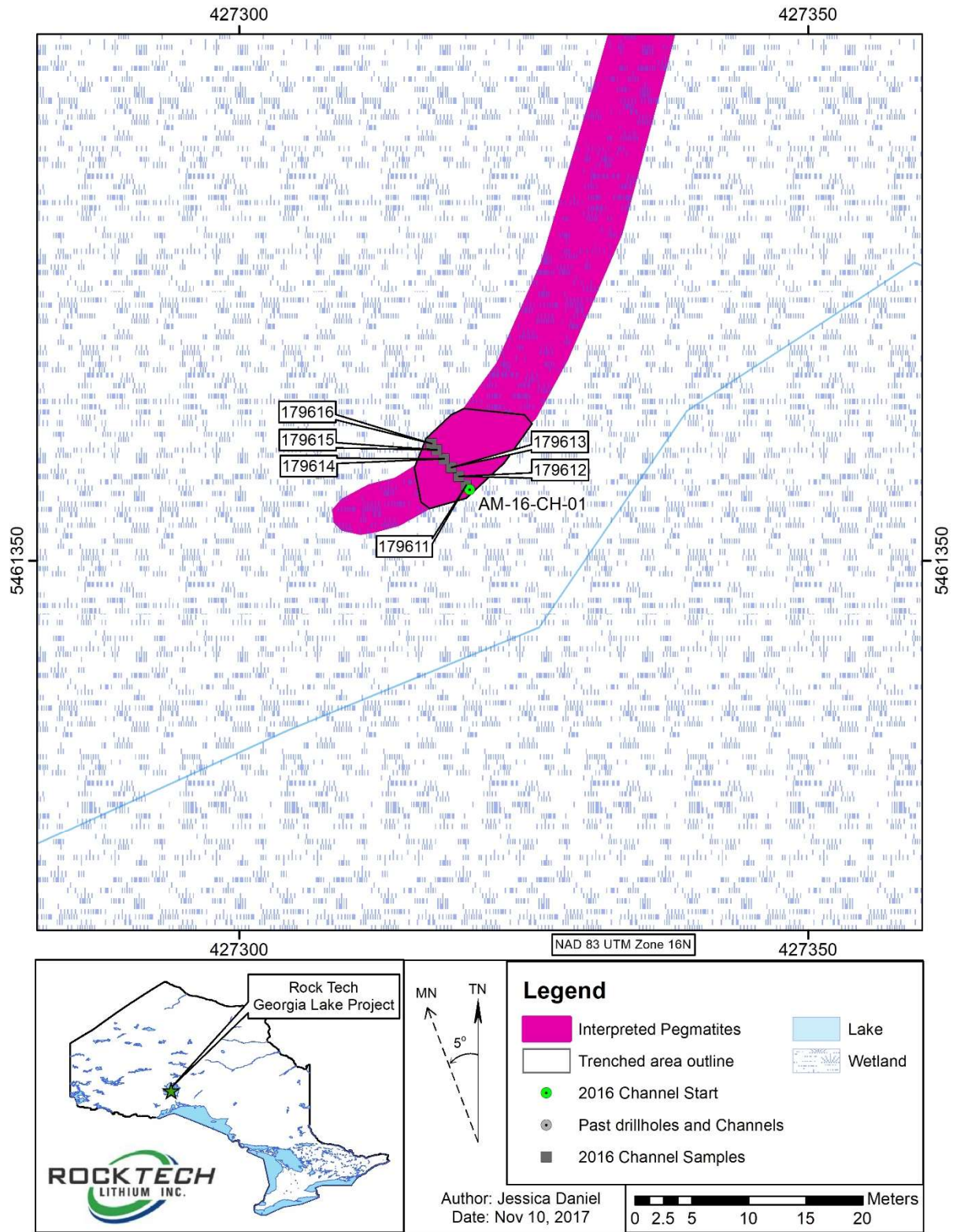


Figure 10. Aumacho channel samples AM-16-CH-01.

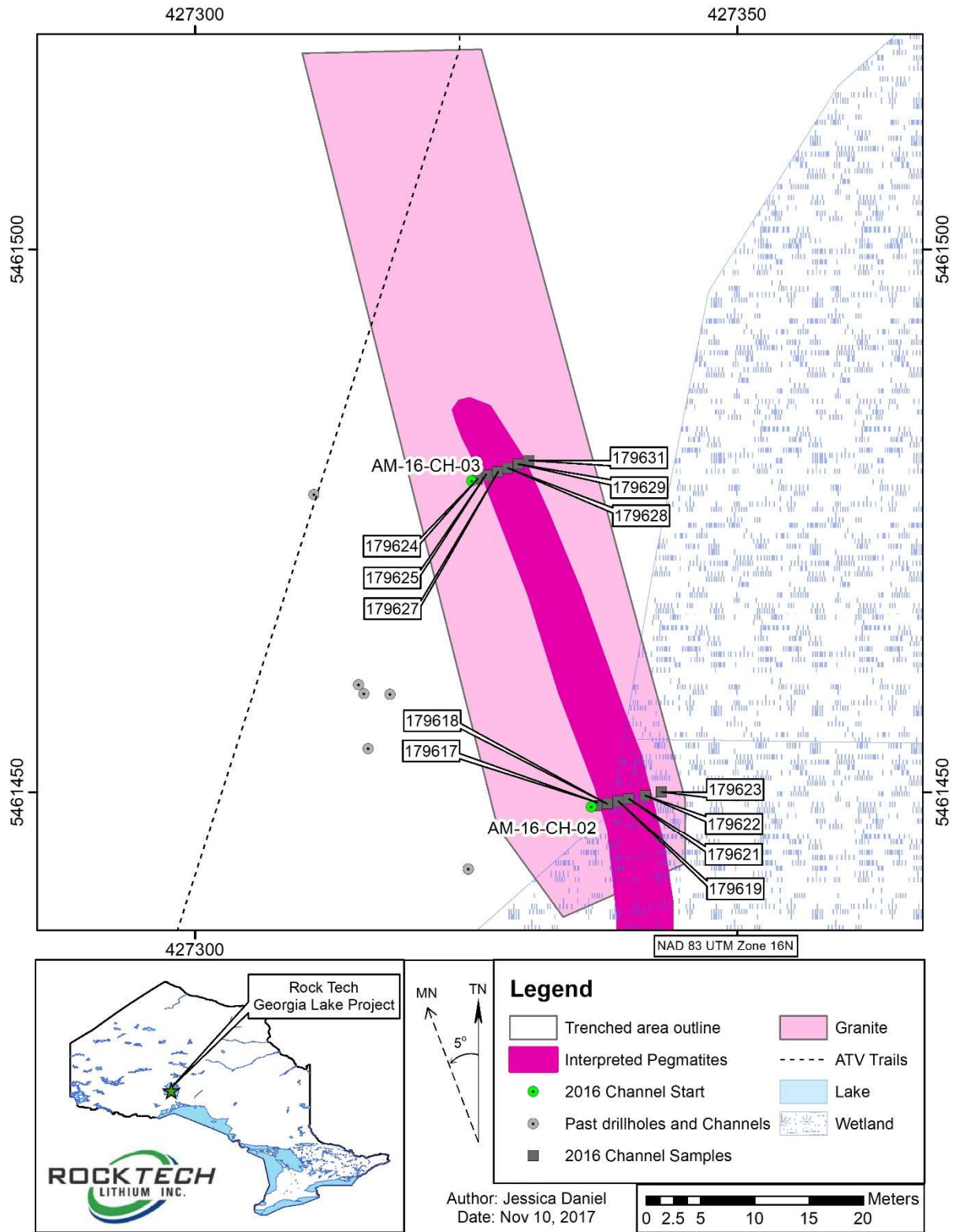


Figure 11. Aumacho channel samples AM-16-CH-02 and AM-16-CH-03.

7.3 Channel Sampling Results – Conway

Eleven channels were cut into the Conway Dyke (Table 8), though some of these are extension channels cut when a straight line across the dyke was not possible. Most channels are near the central part of the dyke near 2011 channel samples, however, one channel is located at the dyke's southern extent (Figures 12-15). The spodumene-bearing pegmatite dyke is hosted in metasediments. Channels intersecting pegmatite returned anomalous results (Table 9) and the dyke was found to be mostly uniformly mineralized with spodumene.

Table 8. Channel sample information for 2016 Conway channels.

Channel ID	Claim No.	Easting	Northing	Length (m)	Elevation (m)	Azimuth	Dip	Start Date	End Date
CW-16-CH-4A	3009087	427431.11	5478296.28	0.91	391.59	107	0	04-Nov-16	04-Nov-16
CW-16-CH-4B	3009087	427432.93	5478294.83	5.78	392.229	113	0	04-Nov-16	04-Nov-16
CW-16-CH-4C	3009087	427438.51	5478292.68	4.01	393.76	114	0	04-Nov-16	04-Nov-16
CW-16-CH-4D	3009087	427439.137	5478287.14	3.16	395.19	116	0	04-Nov-16	04-Nov-16
CW-16-CH-4E	3009087	427442.75	5478285.01	1.2	394.66	116	0	04-Nov-16	04-Nov-16
CW-16-CH-5	3009087	427414.107	5478240.261	5.39	396.85	130	0	01-Nov-16	01-Nov-16
CW-16-CH-5W	3009087	427407.38	5478249	7.03	395.26	144	0	01-Nov-16	01-Nov-16
CW-16-CH-5E	3009087	427417.498	5478236.524	0.96	397.93	122	0	01-Nov-16	01-Nov-16
CW-16-CH-6	3009087	427268.06	5477877.99	4.5	389.99	89	0	02-Nov-16	02-Nov-16
CW-16-CH-8N	3009087	427483.19	5478380.43	6.28	371.99	140	0	04-Nov-16	05-Nov-16
CW-16-CH-8NW	3009087	427487.86	5478369.61	1.01	371.73	128	0	05-Nov-16	05-Nov-16

Table 9. Significant results of Conway channel sampling.

Channel ID	From	To	Length	Li ₂ O %
CW-16-CH-4B	1.67	5.78	4.11	1.42
CW-16-CH-4C	0	4.01	4.01	1.40
CW-16-CH-4D	0	1.86	1.86	1.50
CW-16-CH-5	3.94	5.39	1.45	1.08
CW-16-CH-5W	0	6.04	6.04	1.01
CW-16-CH-6	1.98	3.51	1.53	1.23
CW-16-CH-8N	3.05	5.15	2.10	1.02

CW-16-CH-6 is located at the southern end of Conway and extends the previously known strike extent of the dyke. The rest of the channels were cut in the vicinity of 2011 channels and confirm width of the dyke through this area.

Three of the channels were only one sample in length and were cut to provide an extension into the host metasediments where a straight line across the channel was not possible. Channels where this is the case are: CW-16-CH-4A, CW-16-CH-4E, and CW-16-CH-5E. Another four channels were entirely in pegmatite: CW-16-CH-4B, CW-16-CH-4C, CW-16-CH-4D, and CW-16-CH-8NW. Channel CW-16-CH-5 began in the host metasediments then intersected 4.39m of pegmatite, while CW-16-CH-5W intersected 6.04m of pegmatite before ending in metasediments. CW-16-CH-8N began in metasediments, then intersected 5.33m of pegmatite. The southern channel, CW-16-CH-6, is hosted in metasediments at both ends and intersected 2.5m of pegmatite.

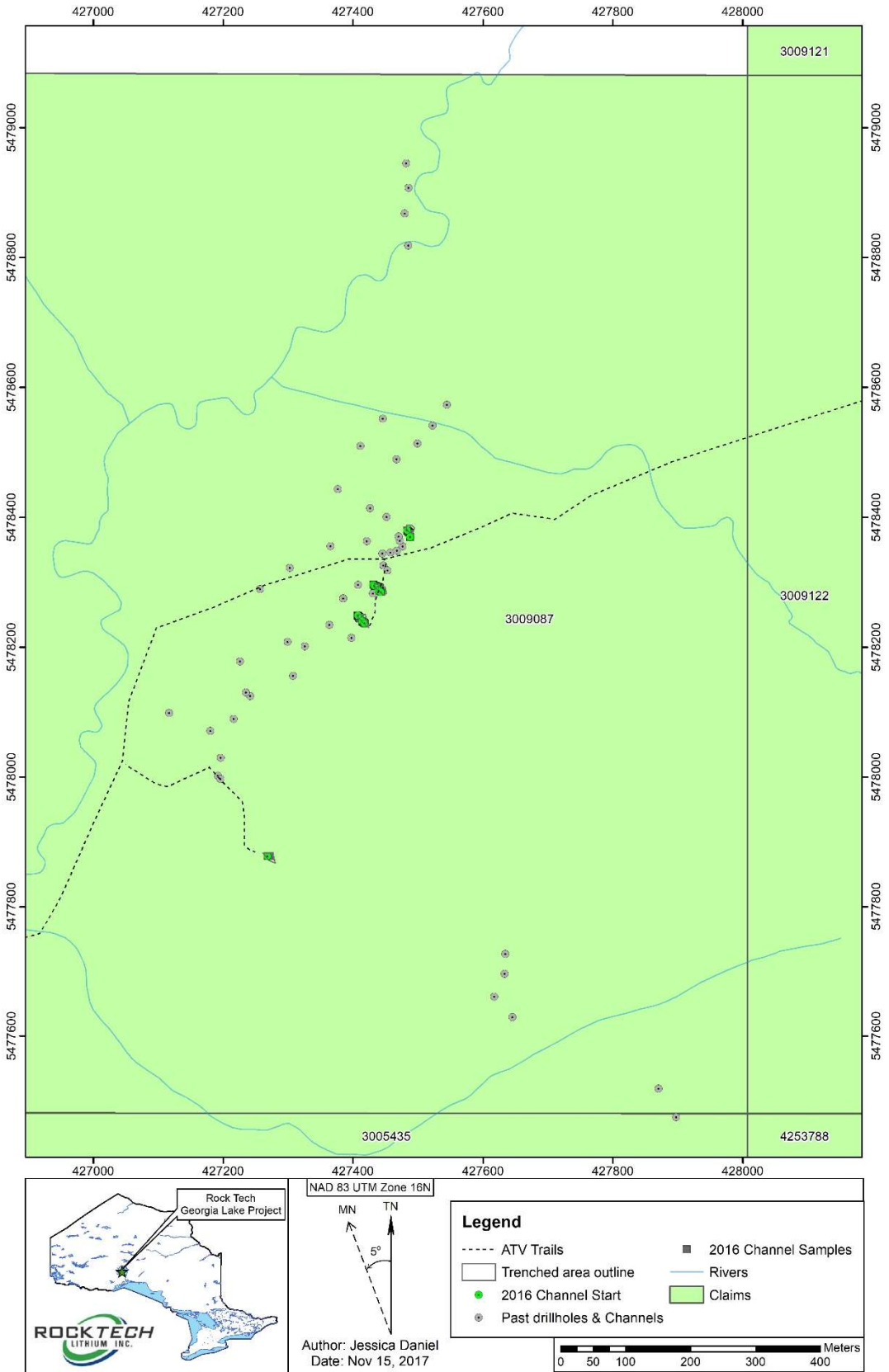


Figure 12. Conway channels overview

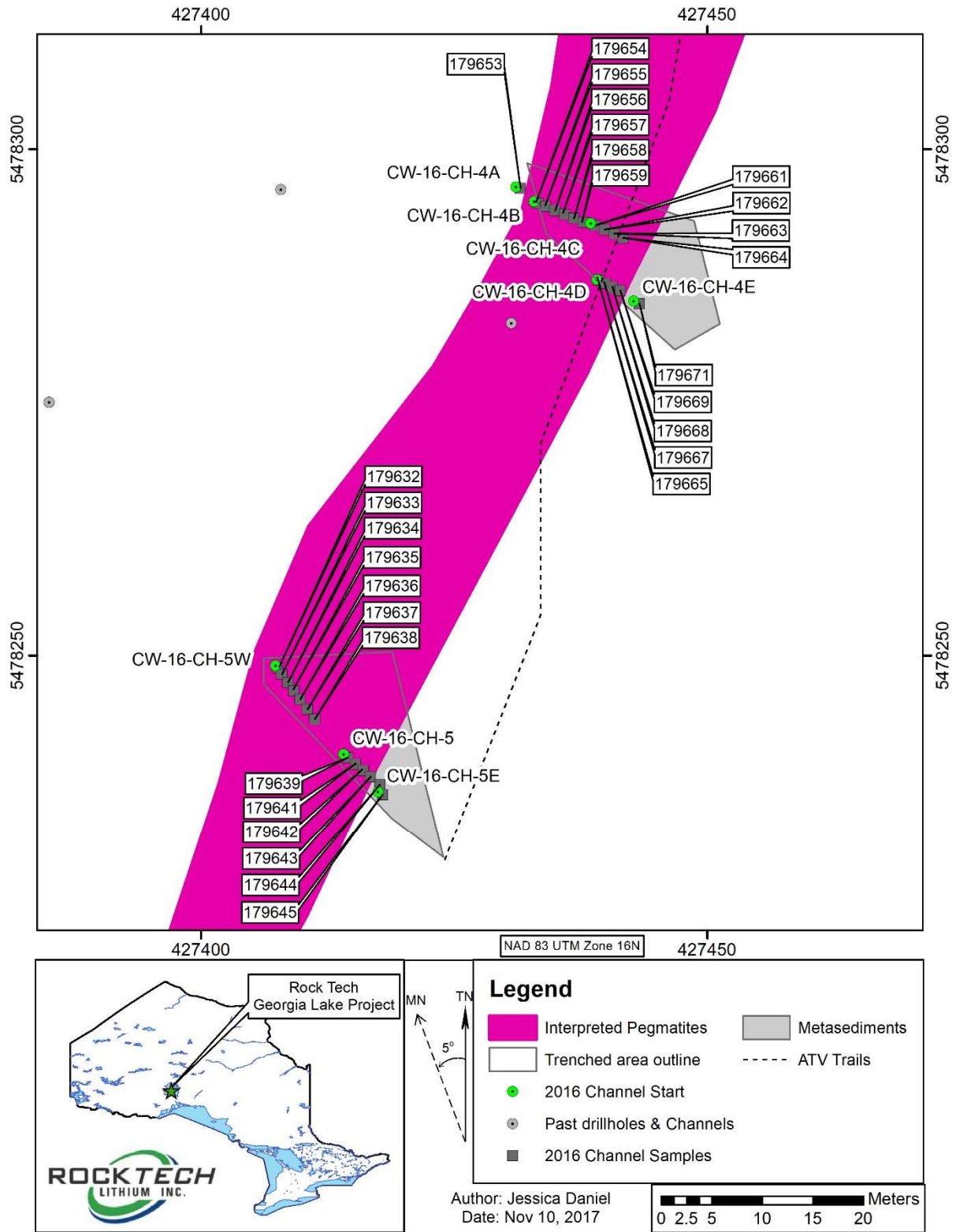


Figure 13. Conway channel samples CW-16-CH-4A, 4B, 4C, 4D, 4E, CW-16-CH-5, 5W, 5E.

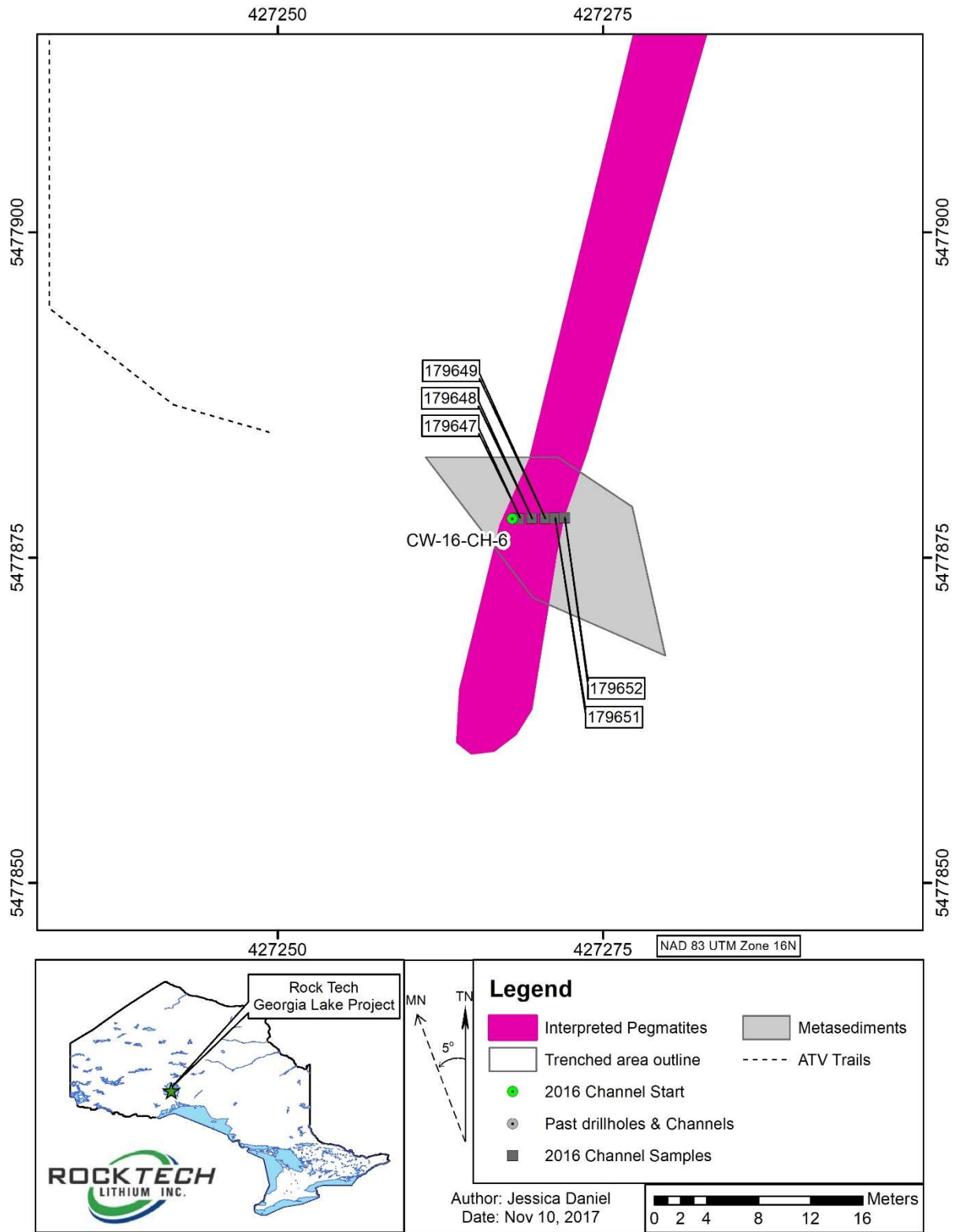


Figure 14. Conway channel samples CW-16-CH-6.

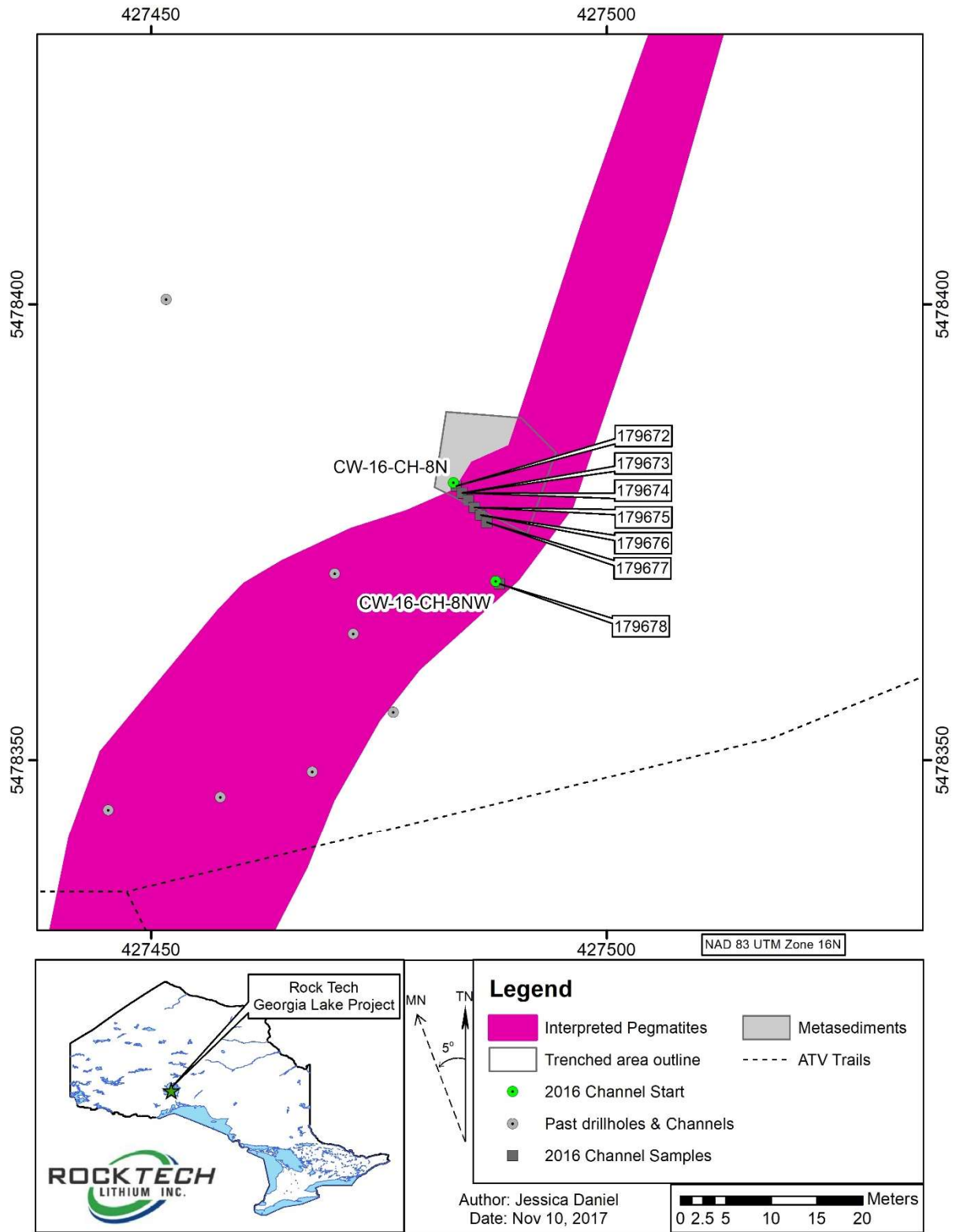


Figure 15. Conway channel samples CW-16-CH-8N and CW-16-CH-8NW.

7.4 Channel Sampling Results – MZSW

Nineteen channels were cut into the MZSW Dyke in the Nama Creek area (Table 10). However, some of these are extension channels cut when a straight line across the dyke was not possible and several are extensions of those completed in 2011 to more fully cover the dyke (Figure 16-18). All channels with the suffix 16Ex are extensions of those from 2011. Given that many channels completed in the 2016 program were cut as extensions, assay values were low for most channels and several channels intersected only the metasediment which hosts the pegmatite dyke. However, some did return anomalous results (Table 11).

Table 10. Channel sample information for 2016 MZSW channels.

Channel ID	Lease No.	Easting	Northing	Length (m)	Elevation (m)	Azimuth	Dip	Start Date	End Date
NamaCreekSW-16-CH-1N	TB67177	424193.99	5476880.81	2.92	368.12	334	0	20-Oct-16	20-Oct-16
NamaCreekSW-16-CH-1	TB67177	424192.56	5476876.24	3.1	367.52	331	0	20-Oct-16	20-Oct-16
NamaCreekSW-16-CH-2	TB67177	424192.99	5476876.81	2.02	368.12	325	0	21-Oct-16	21-Oct-16
NamaCreekSW-16-CH-2S	TB67177	424193.53	5476874.81	1	368.12	322	0	21-Oct-16	21-Oct-16
NamaCreekSW-16-CH-3N	TB67132	424333.75	5477001.23	1	369.98	330	0	21-Oct-16	21-Oct-16
NamaCreekSW-16-CH-3	TB67132	424336.93	5476998.62	2.97	369.37	306	0	21-Oct-16	21-Oct-16
NamaCreekSW-11-CH-1A-16Ex	TB67177	424218	5476891	1.45	383	277	0	20-Oct-16	22-Oct-16
NamaCreekSW-11-CH-1B-16Ex	TB67177	424218.2	5476893.5	1.03	383	277	0	20-Oct-16	20-Oct-16
NamaCreekSW-11-CH-2-16Ex	TB67177	424256.42	5476934	2.65	372.92	332	0	20-Oct-16	20-Oct-16
NamaCreekSW-11-CH-2A-16Ex	TB67177	424256.42	5476923.24	3.89	372.92	292	0	21-Oct-16	21-Oct-16
NamaCreekSW-11-CH-2B-16Ex	TB67177	424253.29	5476920.4	0.97	372.92	329	0	20-Oct-16	20-Oct-16
NamaCreekSW-11-CH-4-16Ex	TB67132	424295.12	5476949.86	1.13	371	328	0	21-Oct-16	21-Oct-16
NamaCreekSW-11-CH-4S-16Ex	TB67132	424295.12	5476947.66	1.13	371	329	0	21-Oct-16	21-Oct-16
NamaCreekSW-11-CH-5-16Ex	TB67132	424312.5	5476968.85	1	368.77	326	0	21-Oct-16	21-Oct-16
NamaCreekSW-11-CH-5N-16Ex	TB67132	424307.8	5476971.93	1.01	369	328	0	21-Oct-16	21-Oct-16
NamaCreekSW-11-CH-6-16Ex	TB67132	424305.14	5476979.8	1.15	369.86	324	0	21-Oct-16	22-Oct-16
NamaCreekSW-11-CH-6A-16Ex	TB67132	424310.95	5476979.65	0.61	378	302	0	21-Oct-16	21-Oct-16

NamaCreekSW-11-CH-6AN-16Ex	TB67132	424309	5476981	2.91	378	310	0	21-Oct-16	22-Oct-16
NamaCreekSW-11-CH-7-16Ex	TB67132	424327.11	5476999.86	1.06	371.8	312	0	21-Oct-16	21-Oct-16

Table 11. Significant results from MZSW channel sampling.

Channel ID	From	To	Length	Li ₂ O %
NamaCreekSW-11-CH-01A-16Ex	0	1.45	1.45	0.95
NamaCreekSW-16-CH-3	0	2.97	2.97	1.40
NamaCreekSW-11-CH-6A-16Ex	0	0.61	0.61	1.00

Many channels are short and intersect only metasediment, such as the following: NamaCreekSW-11-CH-1B-16Ex, NamaCreekSW-11-CH-2B-16Ex, NamaCreekSW-16-CH-2S, NamaCreekSW-16-CH-3N, NamaCreekSW-11-CH-4-16Ex, NamaCreekSW-11-CH-4S-16Ex, NamaCreekSW-11-CH-5-16Ex, NamaCreekSW-11-CH-5N-16Ex, NamaCreekSW-11-CH-6-16Ex, NamaCreekSW-11-CH-7-16Ex. This is because most channels were extensions either of 2011 channels or when a straight line across the pegmatite was not possible. As such, a lot of channels were one sample long and only intersected metasediment.

All other channels intersected either pegmatite or pegmatite plus metasediment. The pegmatite dyke was variably mineralized with spodumene and, as such, Li₂O grades were also variable with some pegmatite intersections containing anomalous lithium values and others not.

Channels at the southern end of the dyke were completed to better understand the dyke geometry in that area. Other channels helped to give greater confidence in the surface expression of the dyke and show mineralization intersected in previous drilling is also present on surface.

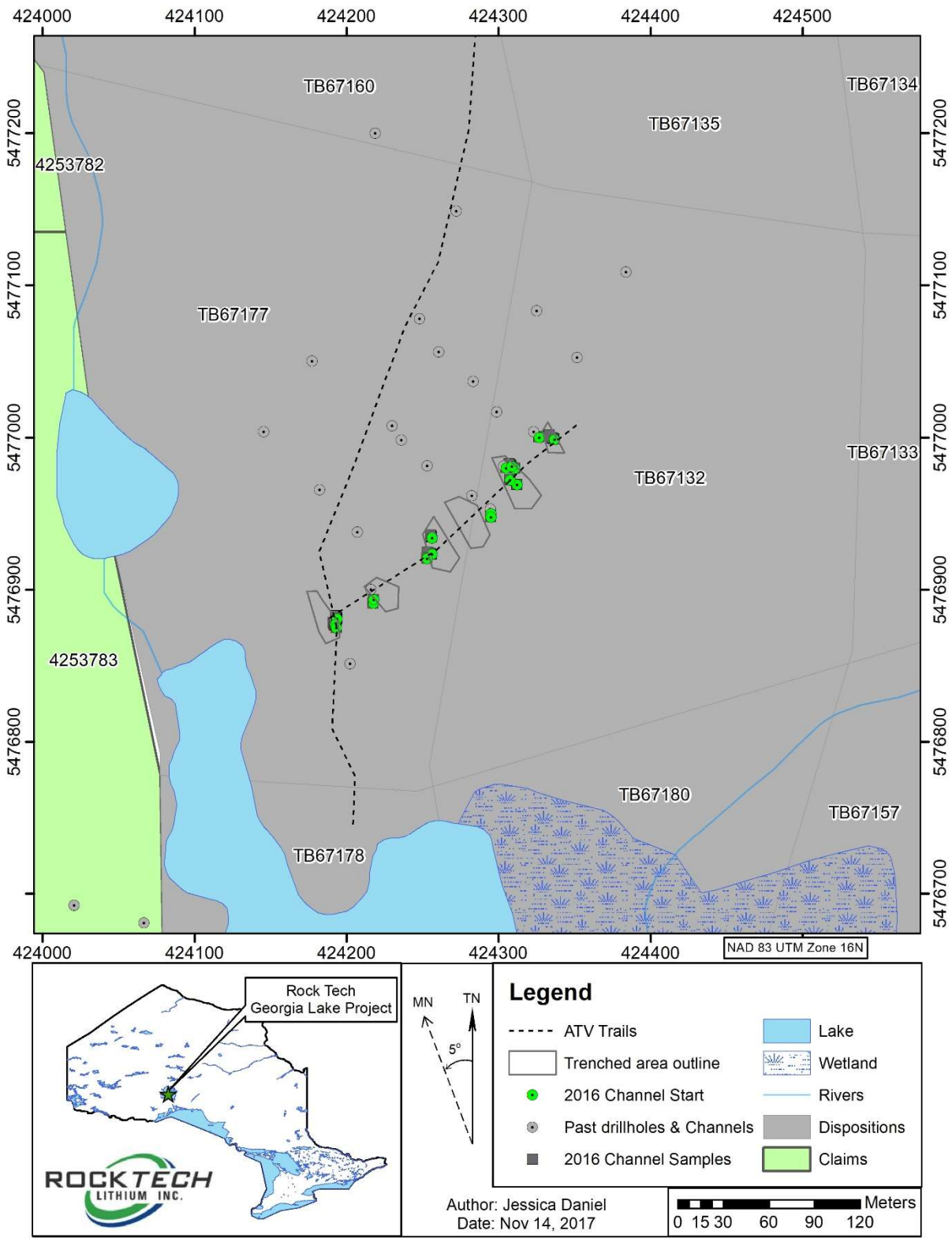


Figure 16. MZSW trenching area overview.

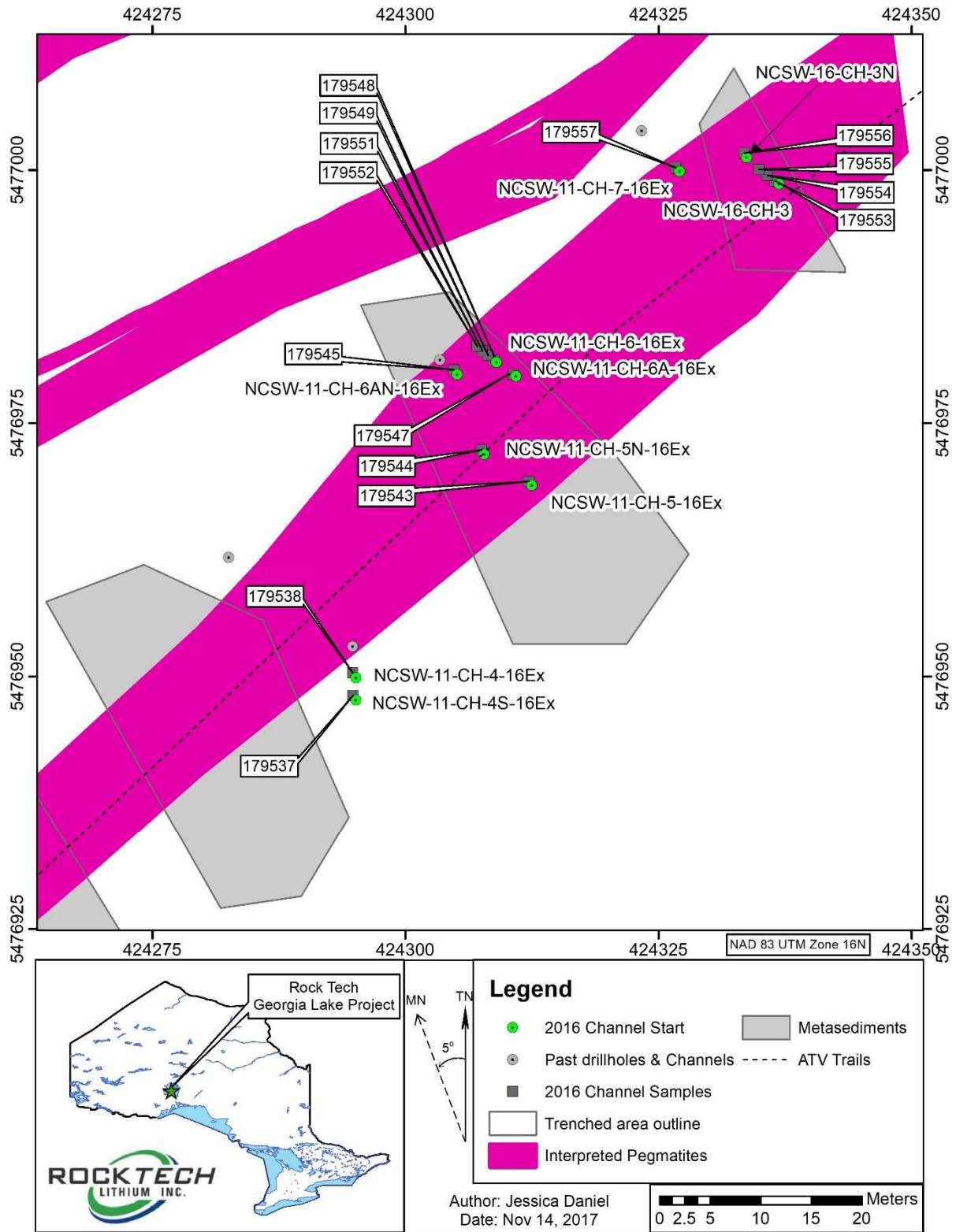


Figure 17. MZSW channel samples NCSW-16-CH-3, 3N, and NCSW-11-CH-4-16Ex, 5-16Ex, 5N-16Ex, 6-16Ex, 6A-16Ex, 6AN-16Ex, 7-16Ex.

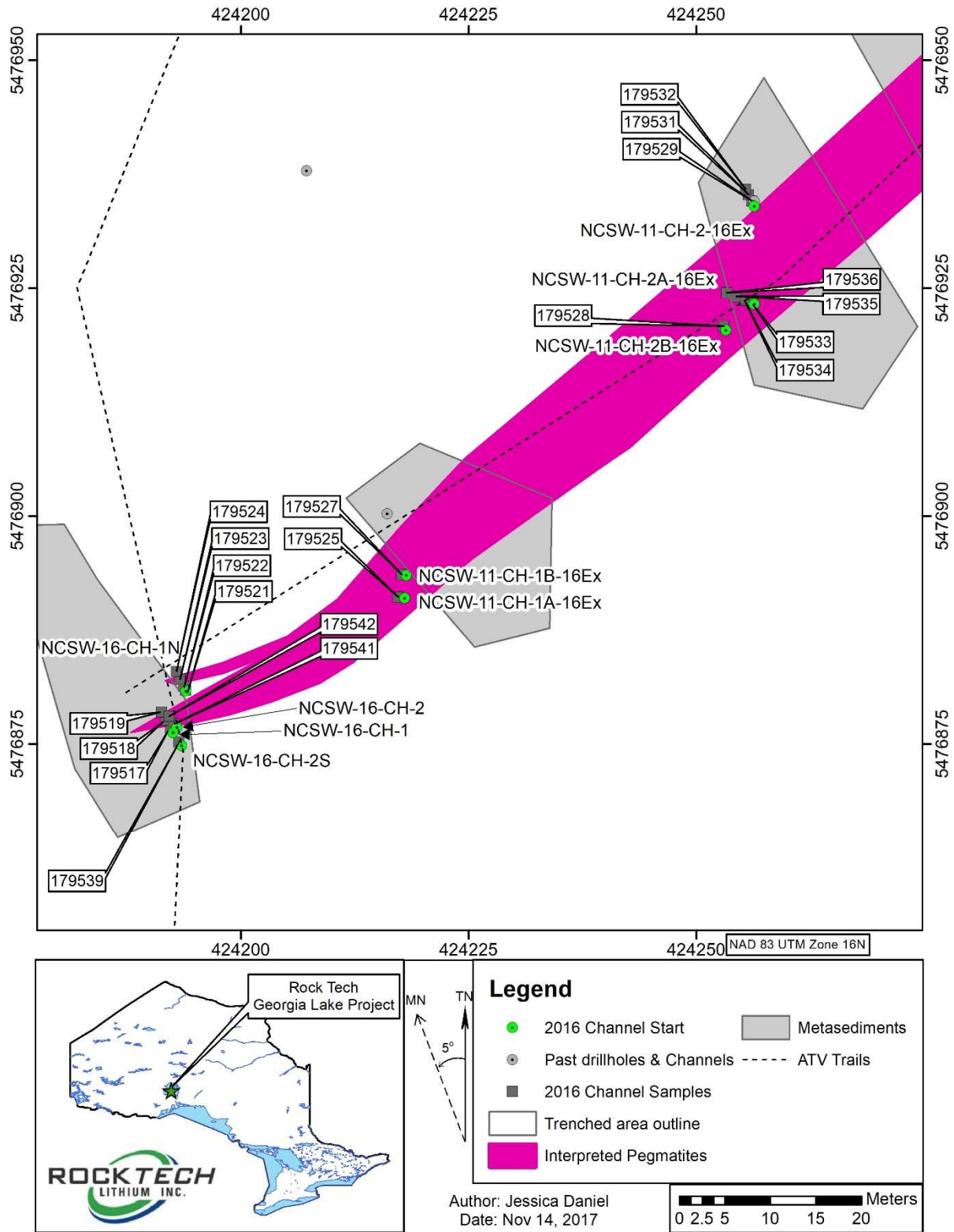


Figure 18. MZSW channel samples NCSW-16-CH-1, 1N, 2, 2S, and NCSW-11-CH-1A-16Ex, 1B-16Ex, 2-16Ex, 2A-16Ex, 2B-16Ex.

7.5 Channel Sampling Results – Harricana and the West Dyke

Harricana and the West Dyke are two sub-parallel and adjacent dykes roughly 1.5km east of MZSW. Ten channels were cut into the Harricana Dyke and another ten into the West Dyke (Table 12). Some of these are extension channels cut when a straight line across the dyke was not possible, though most are stand-alone channels (Figures 19-27) with several returning anomalous assays (Table 13).

Table 12. Channel sample information for 2016 Harricana and West Dyke channels.

Channel ID	Lease / Claim No.	Easting	Northing	Length (m)	Elevation (m)	Azimuth	Dip	Start Date	End Date
Harricana-16-CH-1	TB67176	425892.38	5477137.12	6.7	398.428	47	0	22-Sept-16	22-Sept-16
Harricana-16-CH-2	3005434	425852.81	5477114.6	15.85	401.345	102	0	22-Sept-16	22-Sept-16
Harricana-16-CH-3A	3005434	425804.44	5477069.25	4.45	411.776	125	0	22-Sept-16	22-Sept-16
Harricana-16-CH-3B	3005434	425805.97	5477067.86	5.27	411.751	123	0	22-Sept-16	22-Sept-16
Harricana-16-CH-3C	3005434	425808	5477066.04	7.11	411.067	127	0	22-Sept-16	22-Sept-16
Harricana-16-CH-4A	3005434	425777.64	5477041.61	0.94	414.565	136	0	22-Sept-16	22-Sept-16
Harricana-16-CH-4B	3005434	425778.24	5477040.93	8.26	414.97	135	0	22-Sept-16	22-Sept-16
Harricana-16-CH-5	3005434	425738.34	5477016.59	5.9	416.049	130	0	22-Sept-16	22-Sept-16
Harricana-16-CH-6	3005434	425725.8	5476958.73	6.69	417.686	143	0	22-Sept-16	22-Sept-16
Harricana-16-CH-7	3005434	425631.61	5476733.41	3.1	417.437	135	0	22-Sept-16	22-Sept-16
West-16-CH-1	TB67176	425679.09	5477409.06	6.15	371.09	95	0	18-Sept-16	18-Sept-16
West-16-CH-1W	TB67176	425671.32	5477386.98	3.43	373.988	133	0	18-Sept-16	18-Sept-16
West-16-CH-2	TB67176	425651.38	5477319.36	9.97	378.053	67	0	19-Sept-16	19-Sept-16
West-16-CH-3A	TB67176	425661.25	5477277.68	6.69	380.715	59	0	19-Sept-16	19-Sept-16
West-16-CH-3B	TB67176	425665.84	5477281.83	0.96	381.737	36	0	19-Sept-16	19-Sept-16
West-16-CH-3W	TB67176	425650.42	5477264.68	2.95	381.243	36	0	19-Sept-16	19-Sept-16
West-16-CH-4	TB67176	425686.74	5477235.6	9.59	387.029	53	0	19-Sept-16	19-Sept-16
West-16-CH-5	TB67176	425722.92	5477183.31	12.29	396.766	55	0	20-Sept-16	20-Sept-16
West-16-CH-7	3005434	425592.76	5476889.28	6.05	410.248	164	0	20-Sept-16	23-Sept-16
West-16-CH-8	TB67185	425544.15	5476856.6	5.77	405.02	138	0	20-Sept-16	20-Sept-16

Table 13. Significant results from Harricana and West Dyke channel sampling.

Channel ID	From	To	Length	Li ₂ O %
Harricana-16-CH-1	2.01	4.00	1.99	1.39
Harricana-16-CH-2	3.69	7.68	3.99	1.49
Harricana-16-CH-3A	0.98	3.03	2.05	1.01
Harricana-16-CH-3C	4.06	5.05	0.99	1.43
Harricana-16-CH-4B	1.75	4.76	3.01	1.40
Harricana-16-CH-5	0.88	2.87	1.99	1.50
Harricana-16-CH-6	3.61	5.69	2.08	1.39
Harricana-16-CH-7	1.00	2.02	1.02	1.02
West-16-CH-1	1.00	5.16	4.16	1.09
West-16-CH-2	2.21	4.19	1.98	1.27
West-16-CH-3A	1.40	4.20	2.80	1.62
West-16-CH-4	2.47	7.54	5.07	1.58
West-16-CH-5	0.99	10.06	9.07	1.03
West-16-CH-8	2.56	3.59	1.03	1.08

Harricana-16-CH-4A and West-16-CH-3B are extension channels cut solely into the host metasediments, while all other channels intersect pegmatite. The pegmatite in the Harricana and West Dykes is variably mineralized with some sections containing significant spodumene. Channels on West extended the dyke further to the north and the south. Furthermore, channels provided more complete coverage of the dykes on the surface to give a better understanding of geometry.

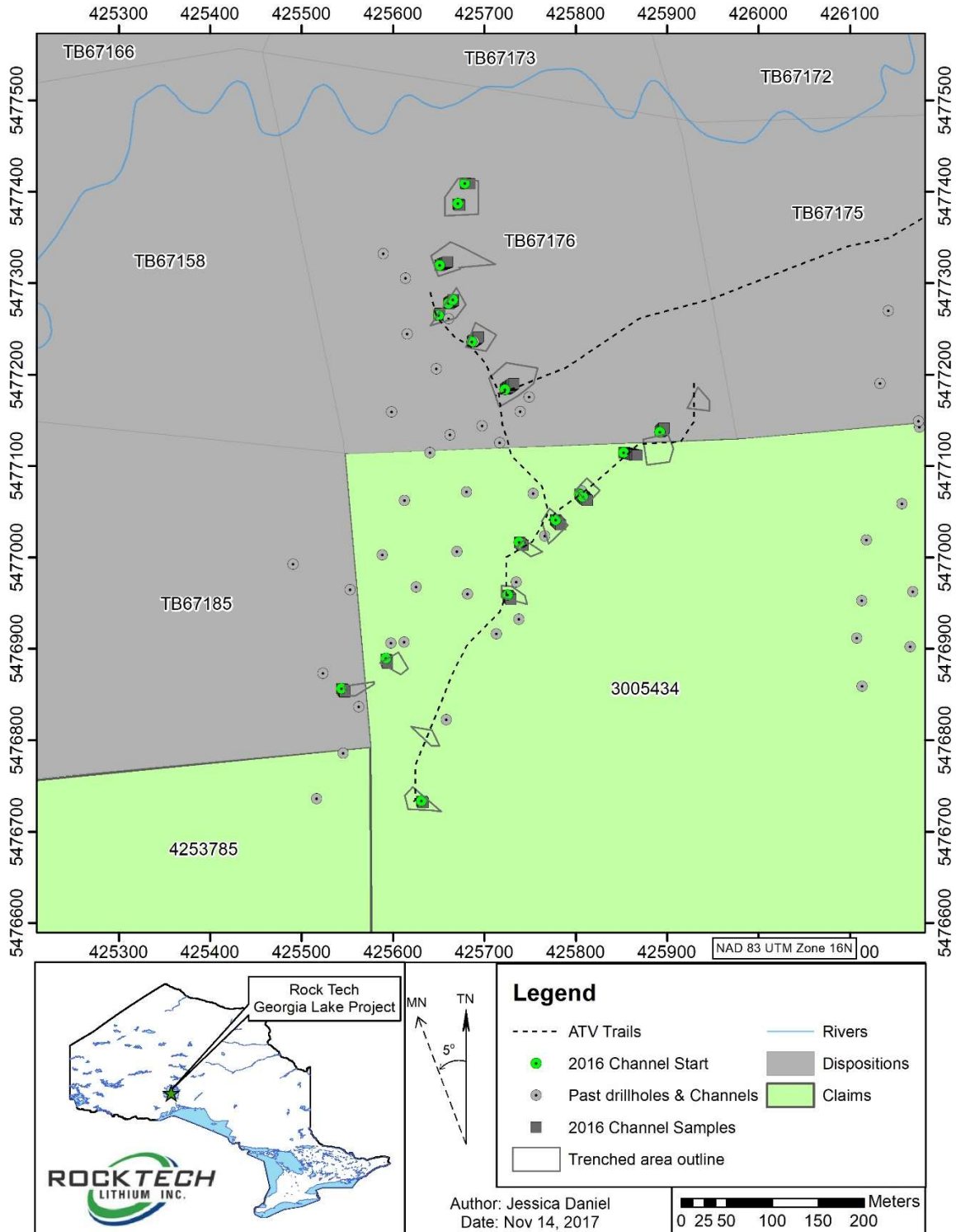


Figure 19. Harricana and West Dyke channels overview.

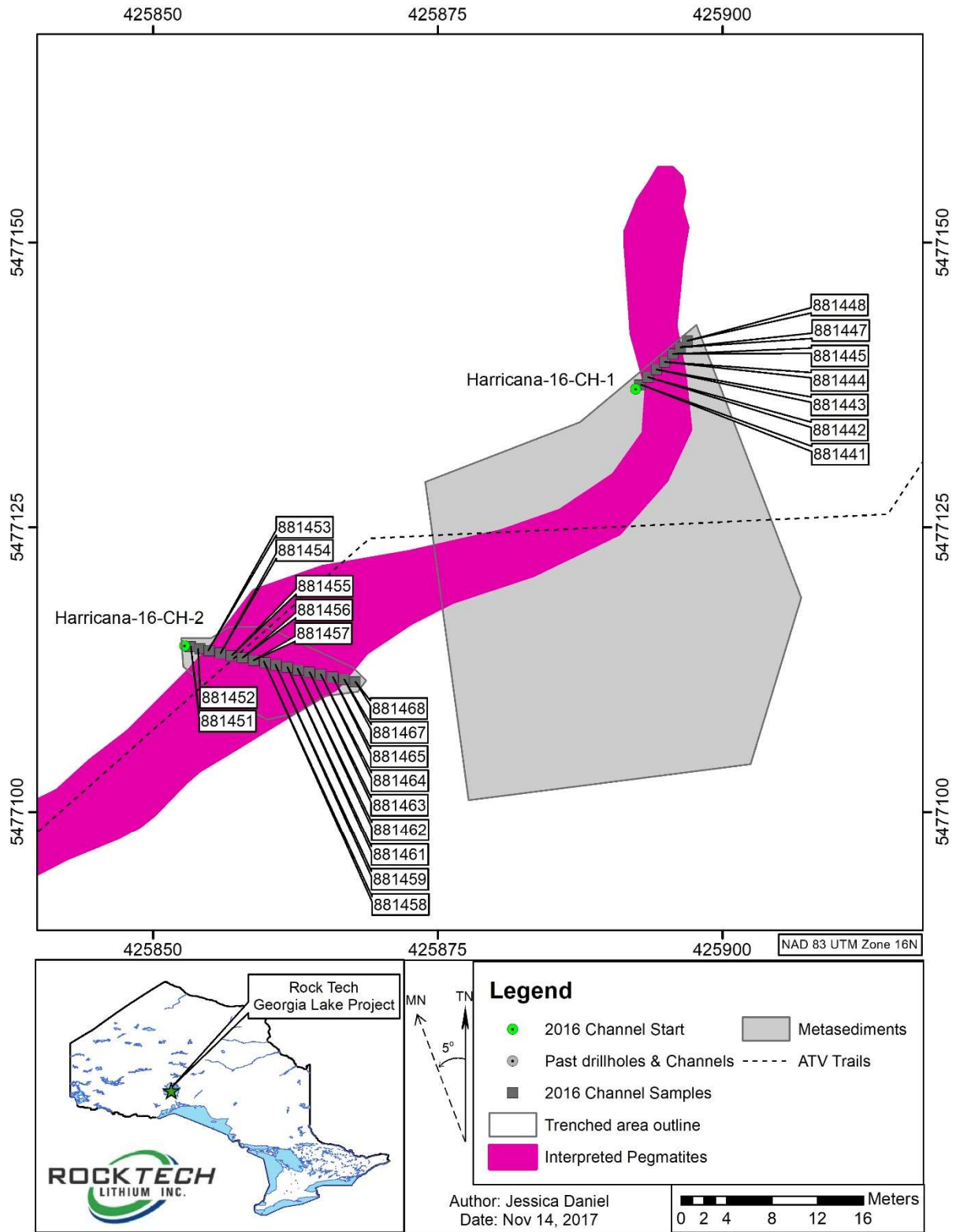


Figure 20. Harricana channels Harricana-16-CH-1, Harricana-16-CH-2.

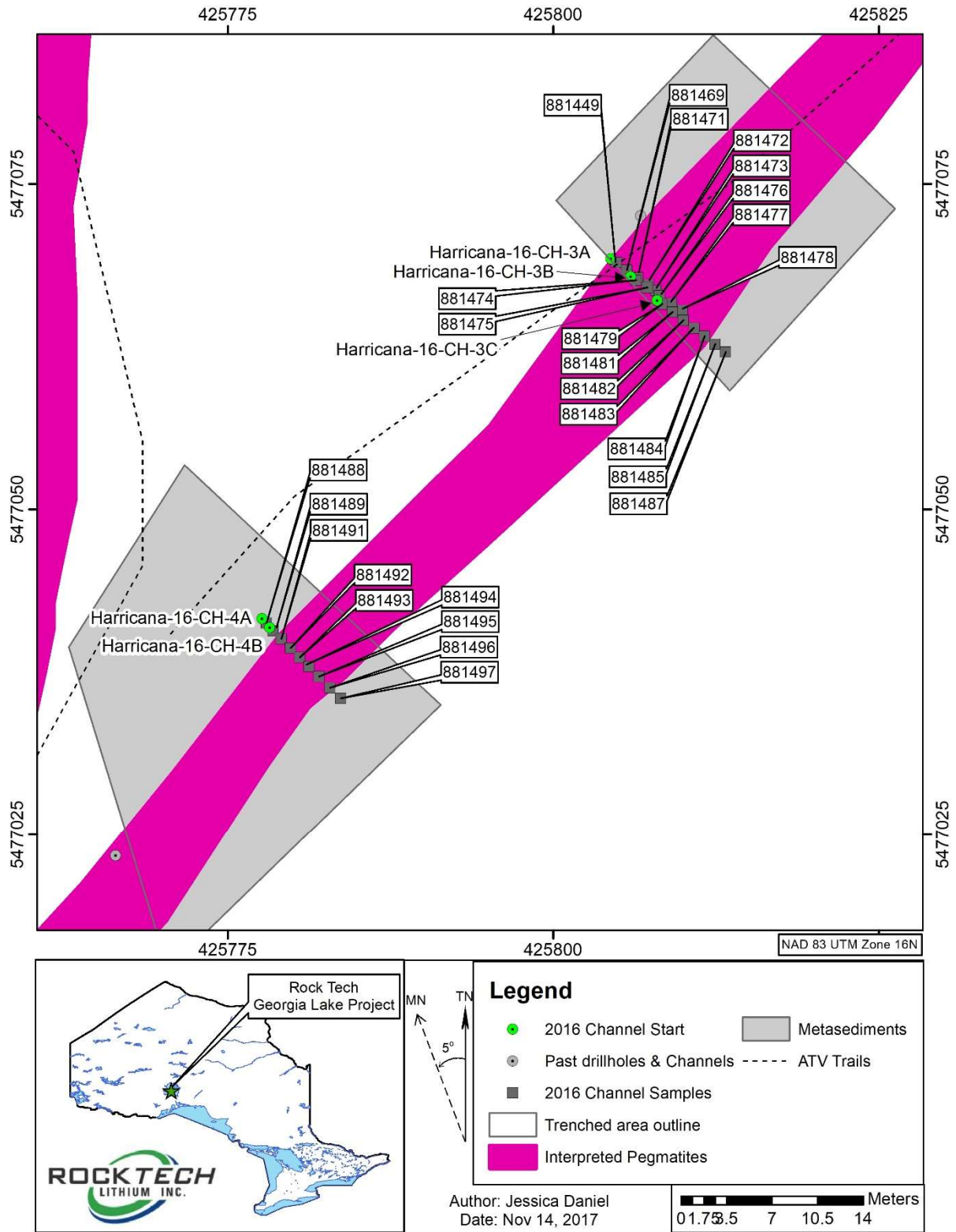


Figure 21. Harricana channels Harricana-16-CH-3A, 3B, 3C, 4A, 4B.

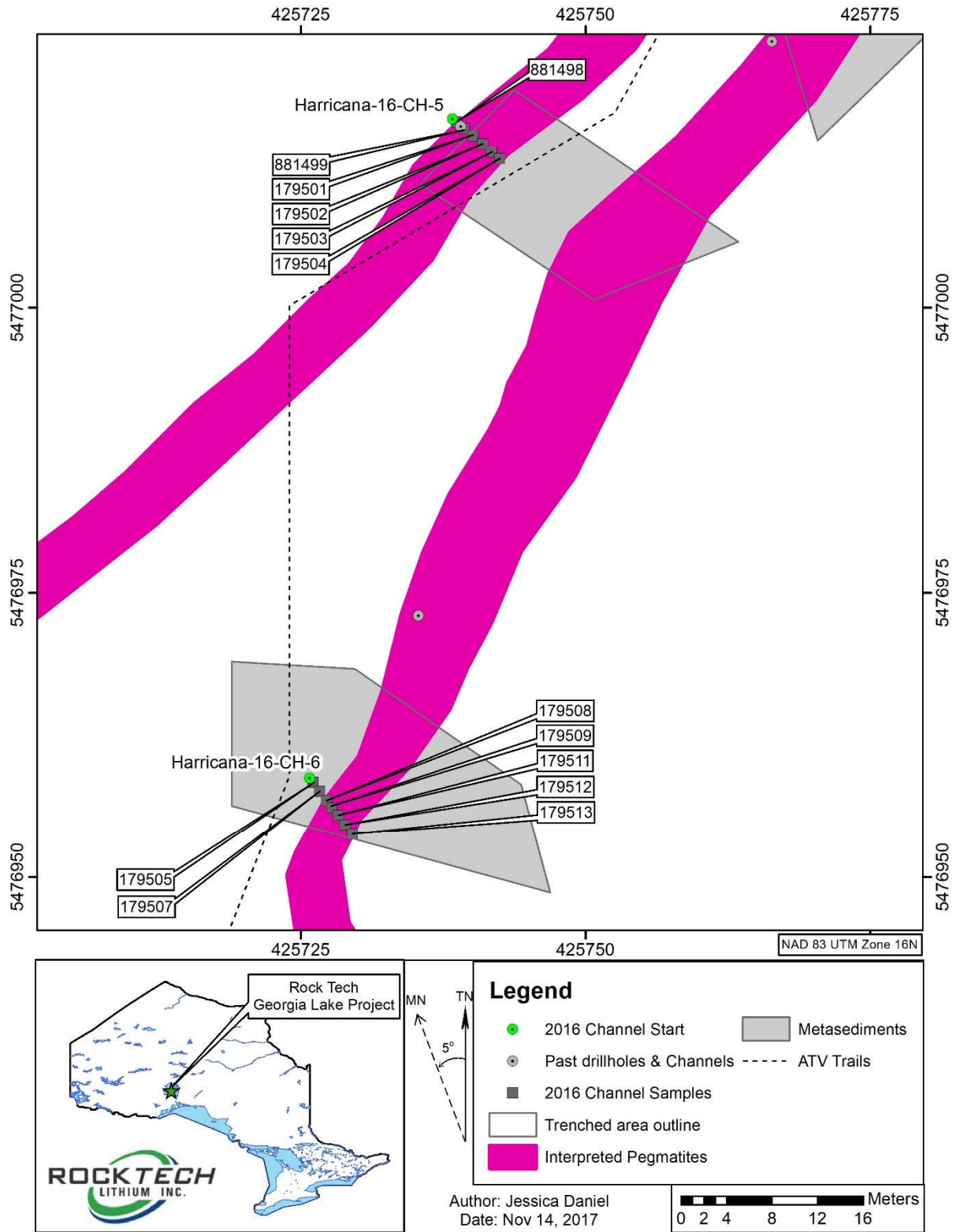


Figure 22. Harricana channels Harricana-16-CH-5, Harricana-16-CH-6.

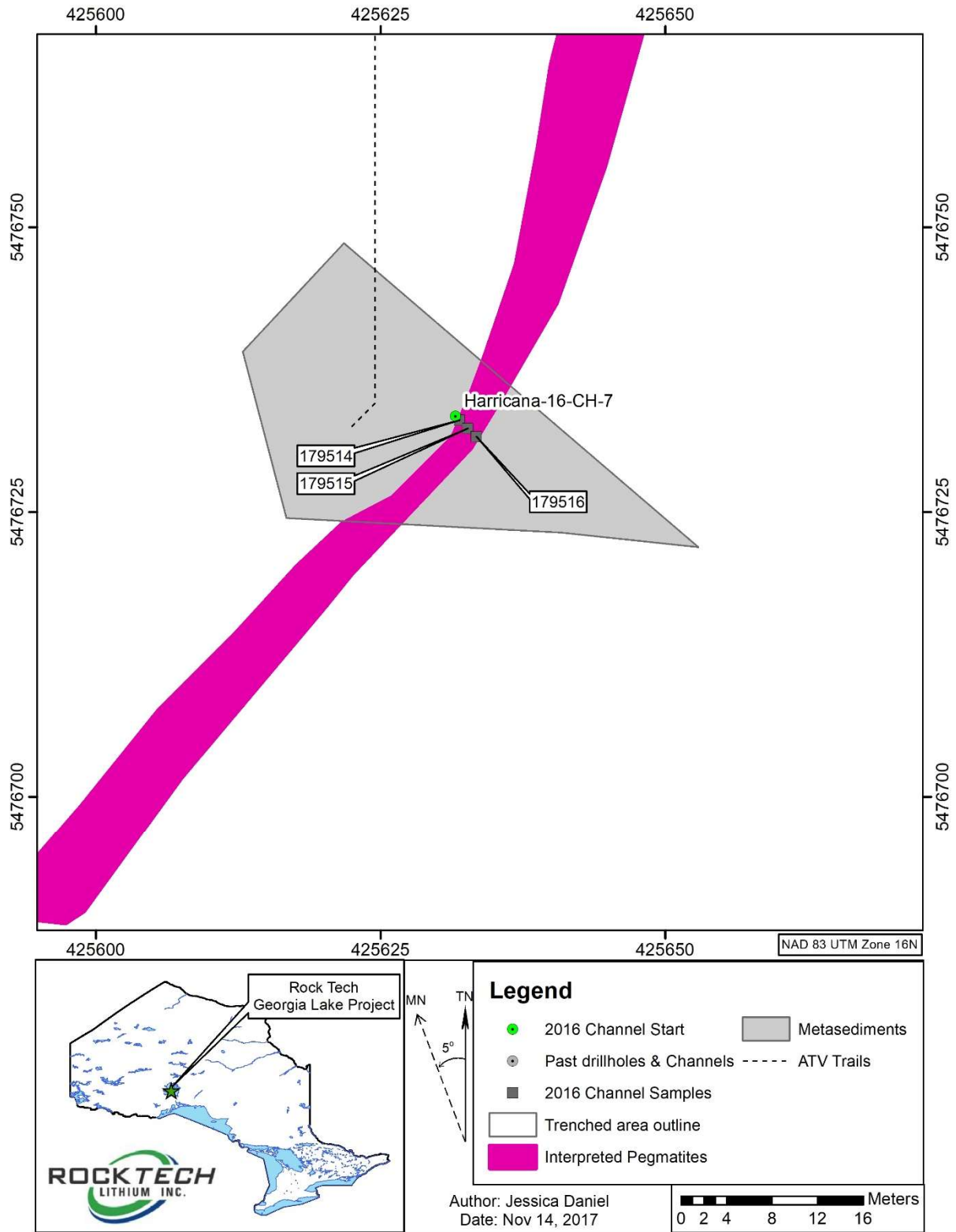


Figure 23. Harricana channel Harricana-16-CH-7.

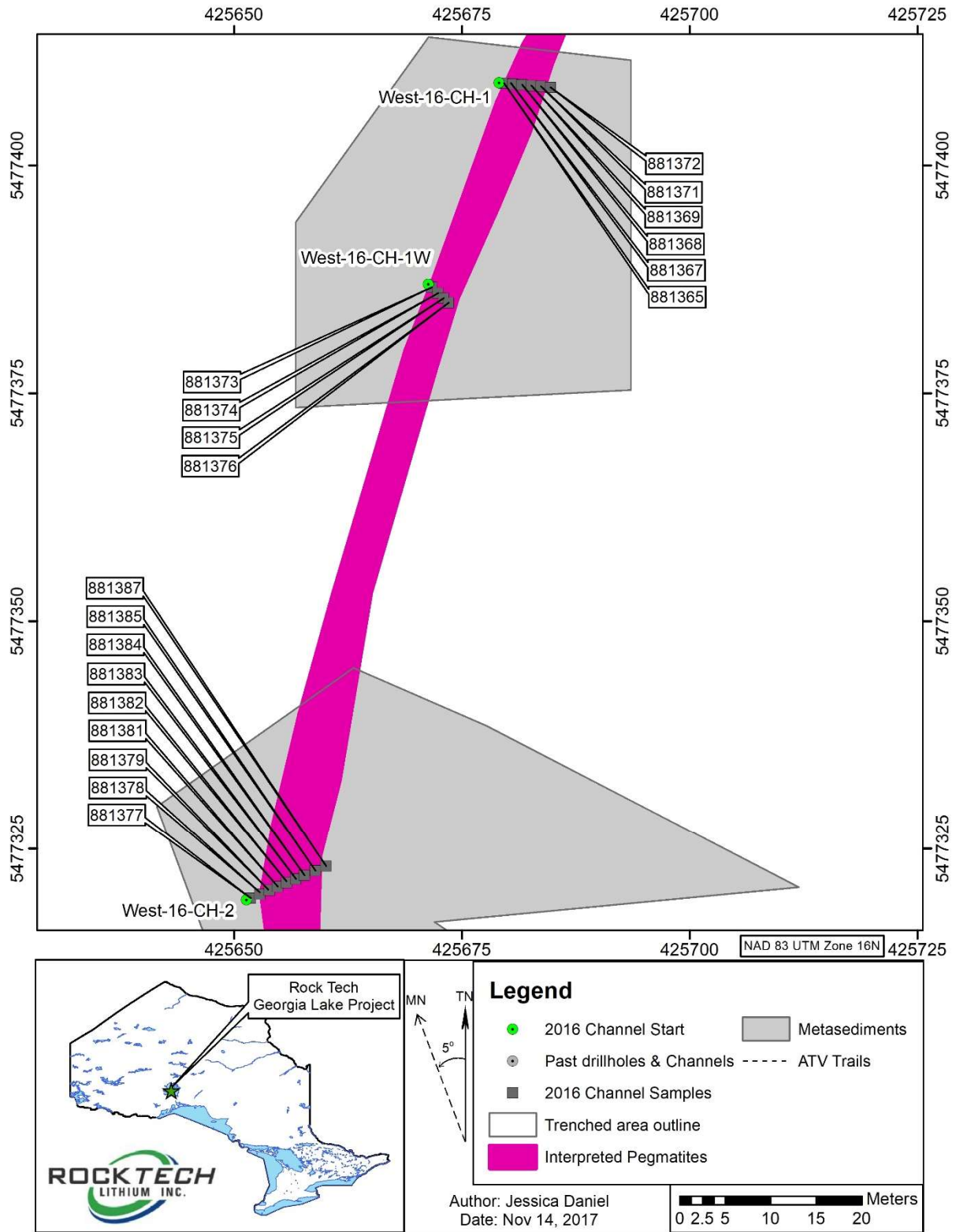


Figure 24. West Dyke channels West-16-CH-1, West-16-CH-1W, West-16-CH-2.

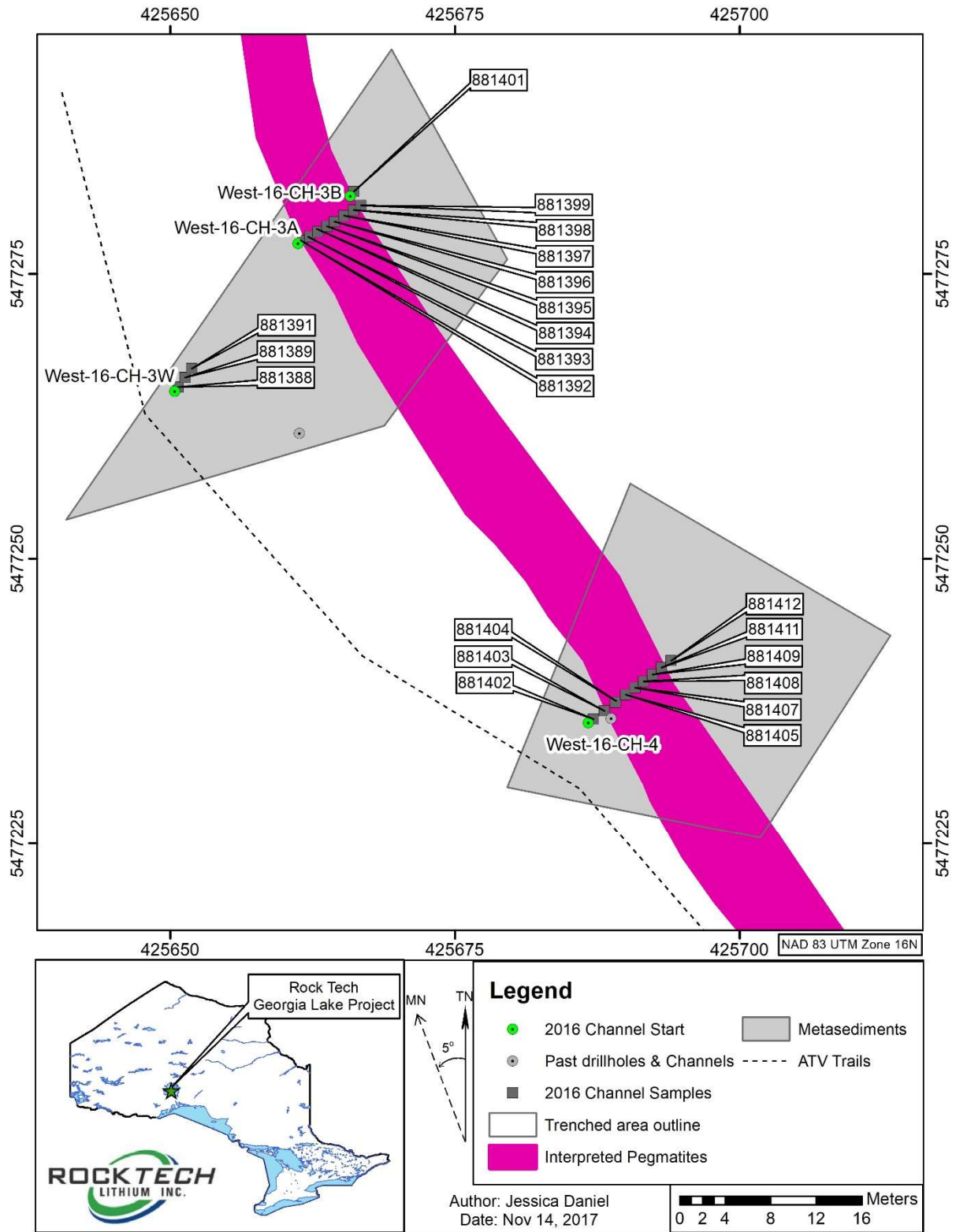


Figure 25. West Dyke channels West-16-CH-3A, 3B, 3W, 4.

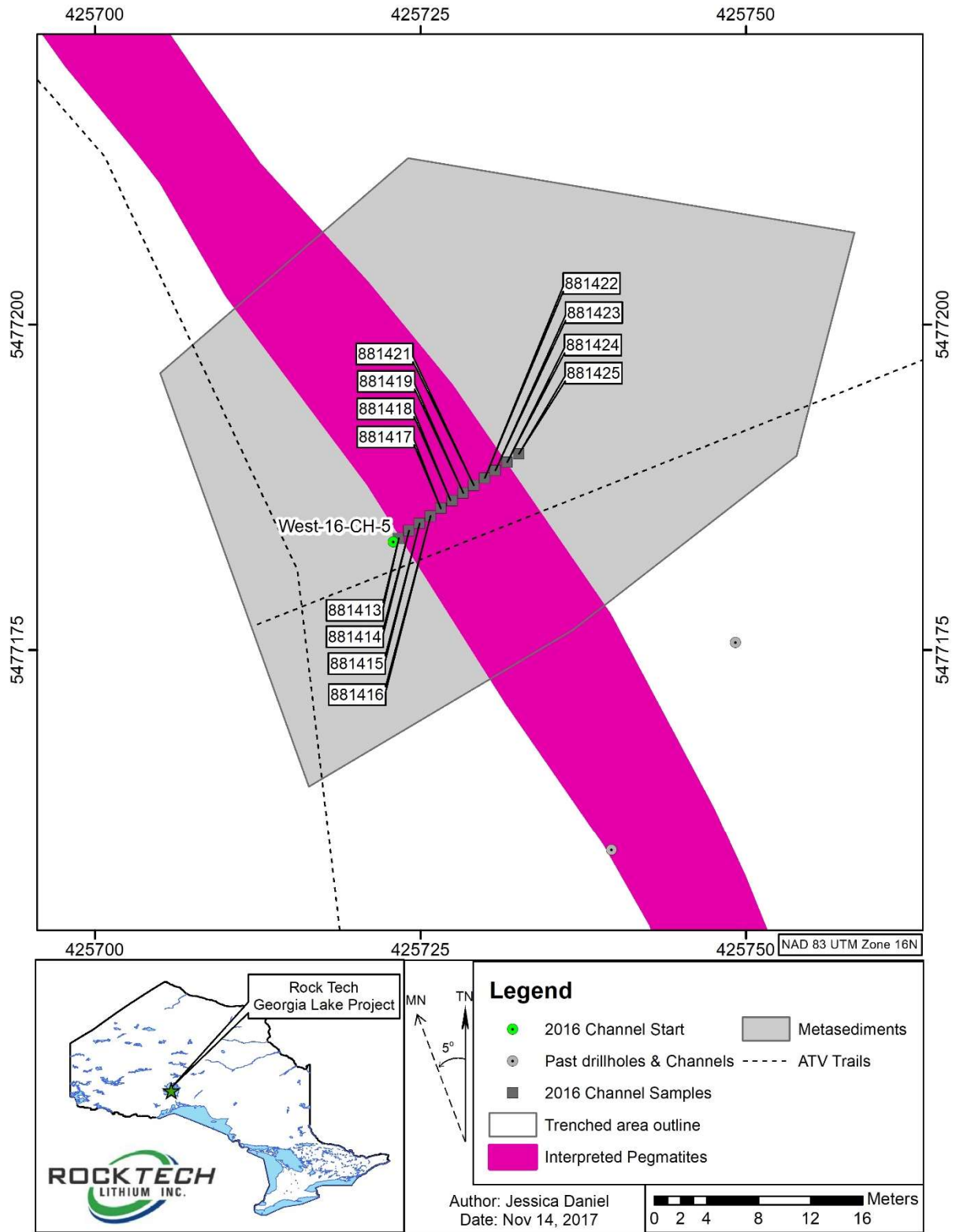


Figure 26. West Dyke channel West-16-CH-5.

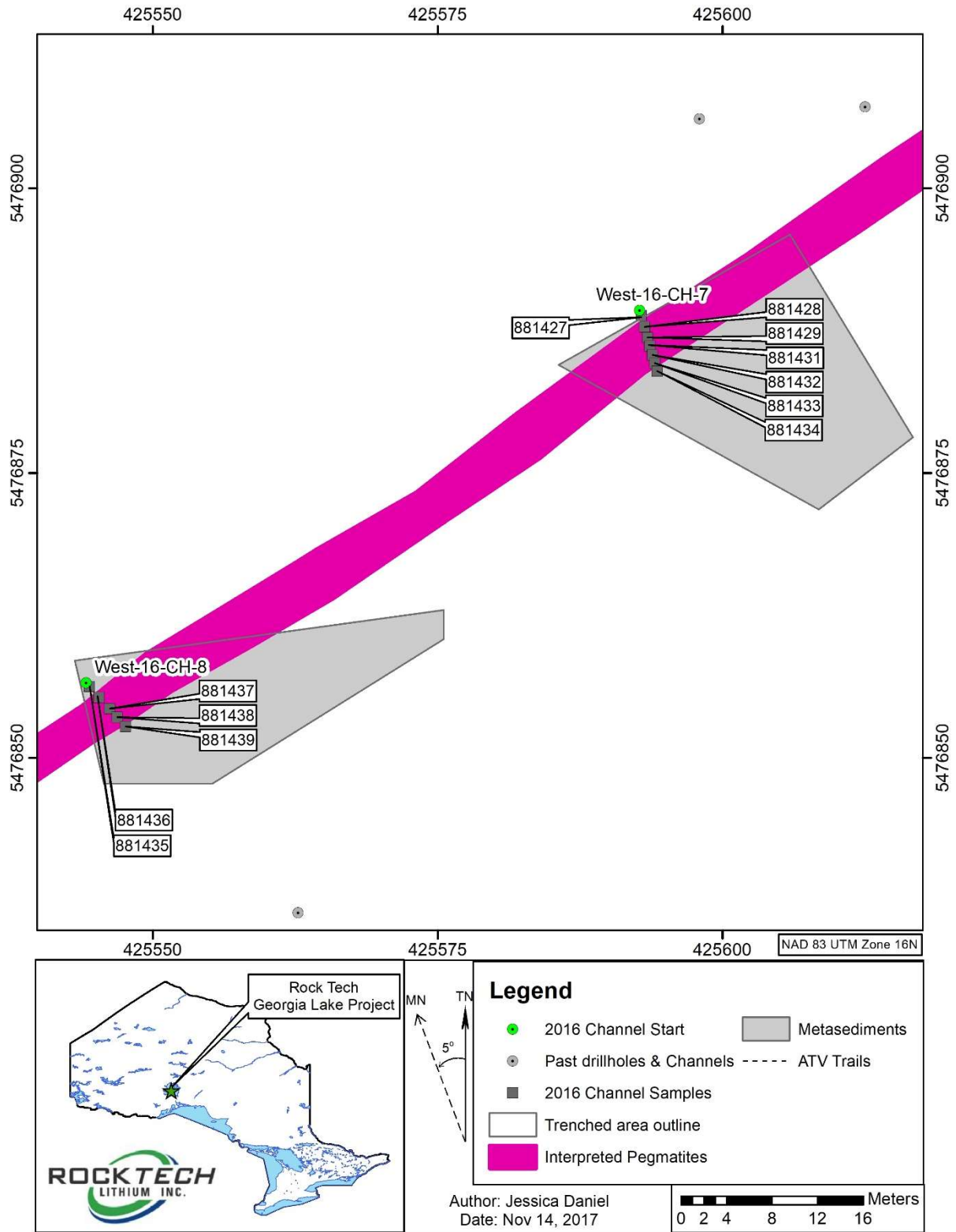


Figure 27. West Dyke channels West-16-CH-7, West-16-CH-8.

7.6 Channel Sampling Results – Line 60

Eighteen channels were cut into the Line 60 Dyke (Table 14) though several of these are extension channels cut when a straight line across the dyke was not possible (Figures 28-31). There were comparatively few anomalous assays (Table 15) at Line 60, given how much pegmatite was intersected. However, pegmatite at Line 60 was found to be zoned and to contain sections of finer grained, spodumene-absent material in the southern portion of the dyke. This is where several channels are located.

Table 14. Channel sample information for 2016 Line 60 channels.

Channel ID	Lease / Claim No.	Easting	Northing	Length (m)	Elevation (m)	Azimuth	Dip	Start Date	End Date
L60-16-CH-11	3005434	426223.24	5476918.23	25.12	414.487	97	0	27-Aug-16	28-Aug-16
L60-16-CH-11East	3005434	426276.88	5476905.5	3.55	418.487	173	0	22-Aug-16	22-Aug-16
L60-16-CH-12A	3005434	426207.76	5476883.55	7.9	413.417	114	0	20-Aug-16	20-Aug-16
L60-16-CH-12B	3005434	426213.98	5476879.48	2.06	416.577	120	0	20-Aug-16	20-Aug-16
L60-16-CH-12C	3005434	426215.68	5476878.57	10.5	416.514	118	0	27-Aug-16	27-Aug-16
L60-16-CH-12D	3005434	426223.22	5476872.6	3.06	417.716	111	0	27-Aug-16	27-Aug-16
L60-16-CH-12E	3005434	426227.65	5476874.84	2.04	419.76	101	0	27-Aug-16	27-Aug-16
L60-16-CH-12F	3005434	426229.42	5476875.37	1.03	419.08	101	0	27-Aug-16	27-Aug-16
L60-16-CH-13A	3005434	426230.31	5476837.64	15.44	422.653	108	0	29-Aug-16	30-Aug-16
L60-16-CH-13B	3005434	426241.04	5476835.13	4.55	422.102	102	0	29-Aug-16	30-Aug-16
L60-16-CH-13C	3005434	426244	5476831	0.87	418.3	82	0	30-Aug-16	30-Aug-16
L60-16-CH-13West	3005434	426215.61	5476837.31	6.07	418.279	106	0	29-Aug-16	29-Aug-16
L60-16-CH-14NA	TB67174	426369.48	5477367.39	0.92	374.104	159	0	29-Aug-16	29-Aug-16
L60-16-CH-14NB	TB67174	426371.72	5477367.41	4.49	374.326	160	0	29-Aug-16	29-Aug-16
L60-16-CH-14NC	TB67174	426374.35	5477363.95	0.98	375.101	157	0	29-Aug-16	29-Aug-16
L60-16-CH-15NW	TB67174	426414.86	5477384.08	1.6	370.078	157	0	29-Aug-16	29-Aug-16
L60-16-CH-15NA	TB67174	426421.39	5477380.54	3.62	371.732	135	0	29-Aug-16	29-Aug-16
L60-16-CH-15NB	TB67174	426423.21	5477378.64	0.87	372.3	145	0	16-Sept-16	16-Sept-16

Table 15. Significant results from Line 60 channel sampling.

Channel ID	From	To	Length	Li ₂ O %
L60-16-CH-11	0.87	1.87	1.00	1.17
L60-16-CH-11	14.93	16.97	2.04	1.01
L60-16-CH-12B	0	2.06	2.06	1.10
L60-16-CH-12C	1.86	3.86	2.00	1.75
L60-16-CH-15NA	1.65	2.65	1.00	1.02

Channels were cut at the northern and southern ends of the dyke and gave a better understanding of the geometry of Line 60. Those in the south showed the dyke to be much wider at that end than previously thought. L60-16-CH-11 intersected 24.10m of pegmatite, L60-16-CH-13A intersected 14.43m of pegmatite, and the combination of L60-16-CH-12A, B, C, D, E, and F show the pegmatite to be roughly 21m across in this location. However, this area appears to be more complexly zoned with sections devoid of spodumene.

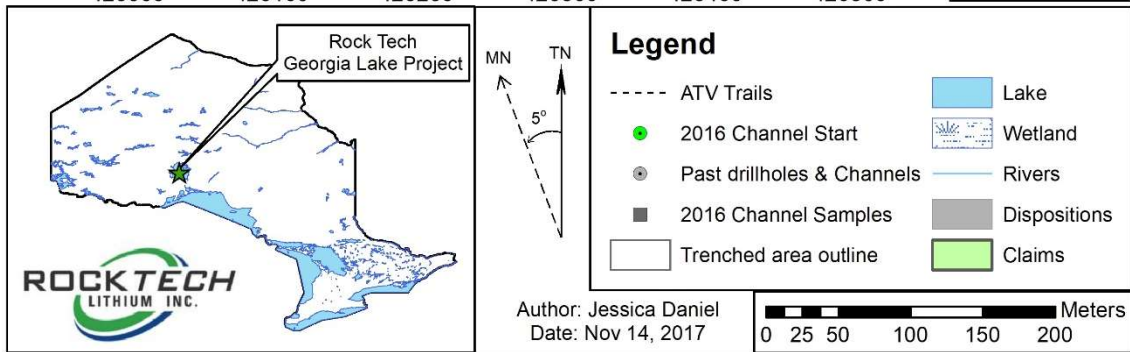
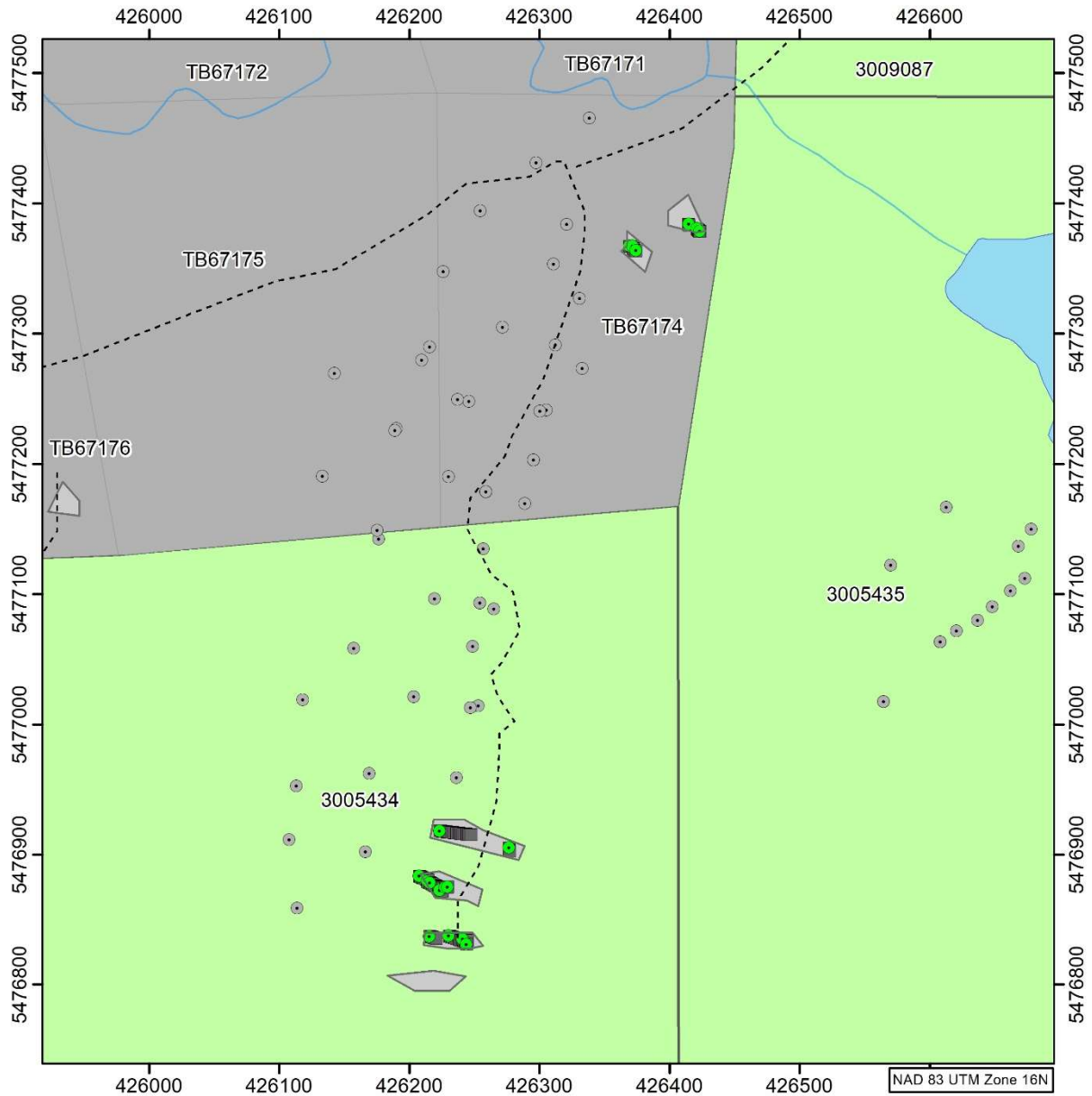


Figure 28. Line 60 channels overview.

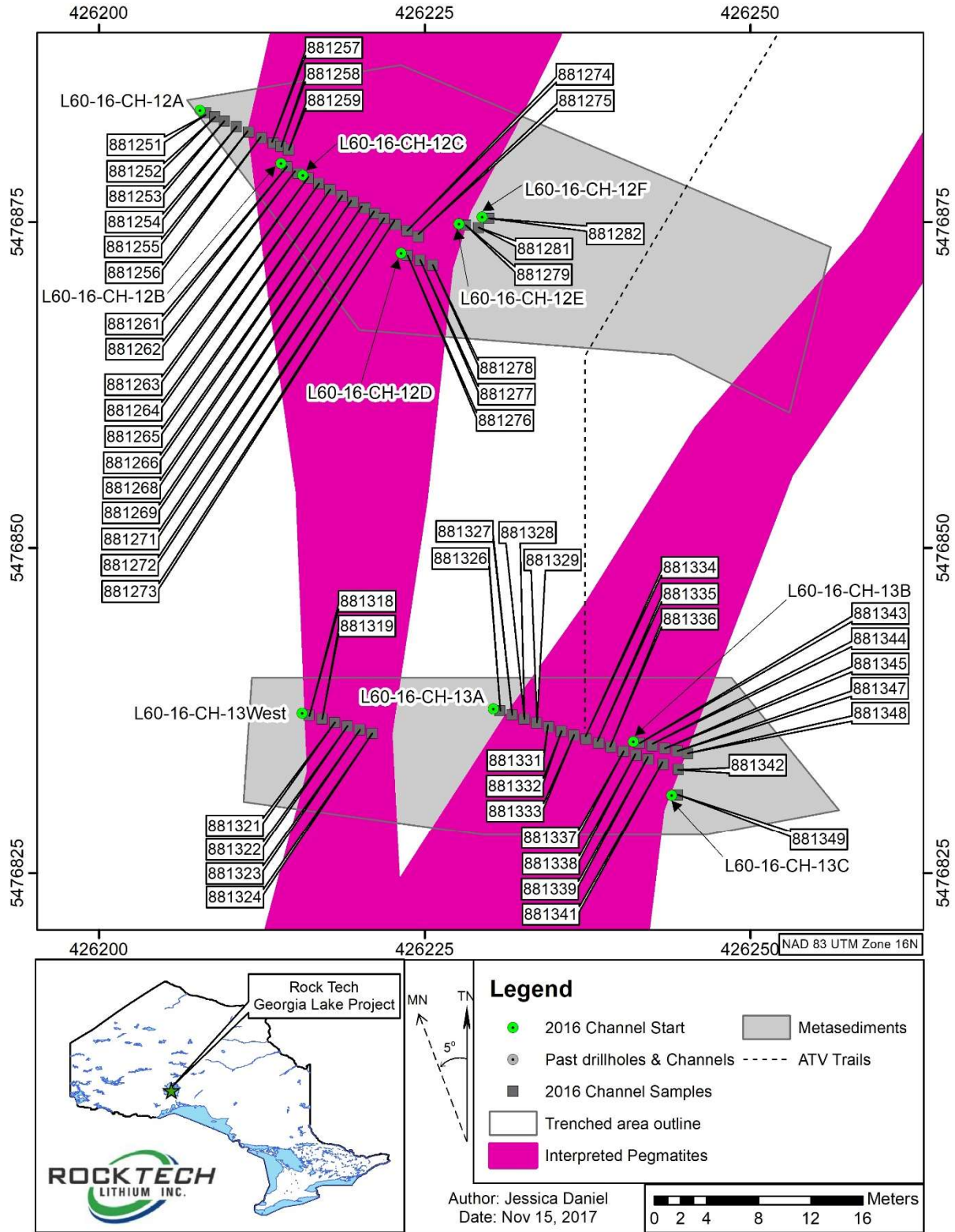


Figure 29. Line 60 channels L60-16-CH-12A, 12B, 12C, 12D, 12E, 12F, L60-16-CH-13West, 13A, 13B, 13C.

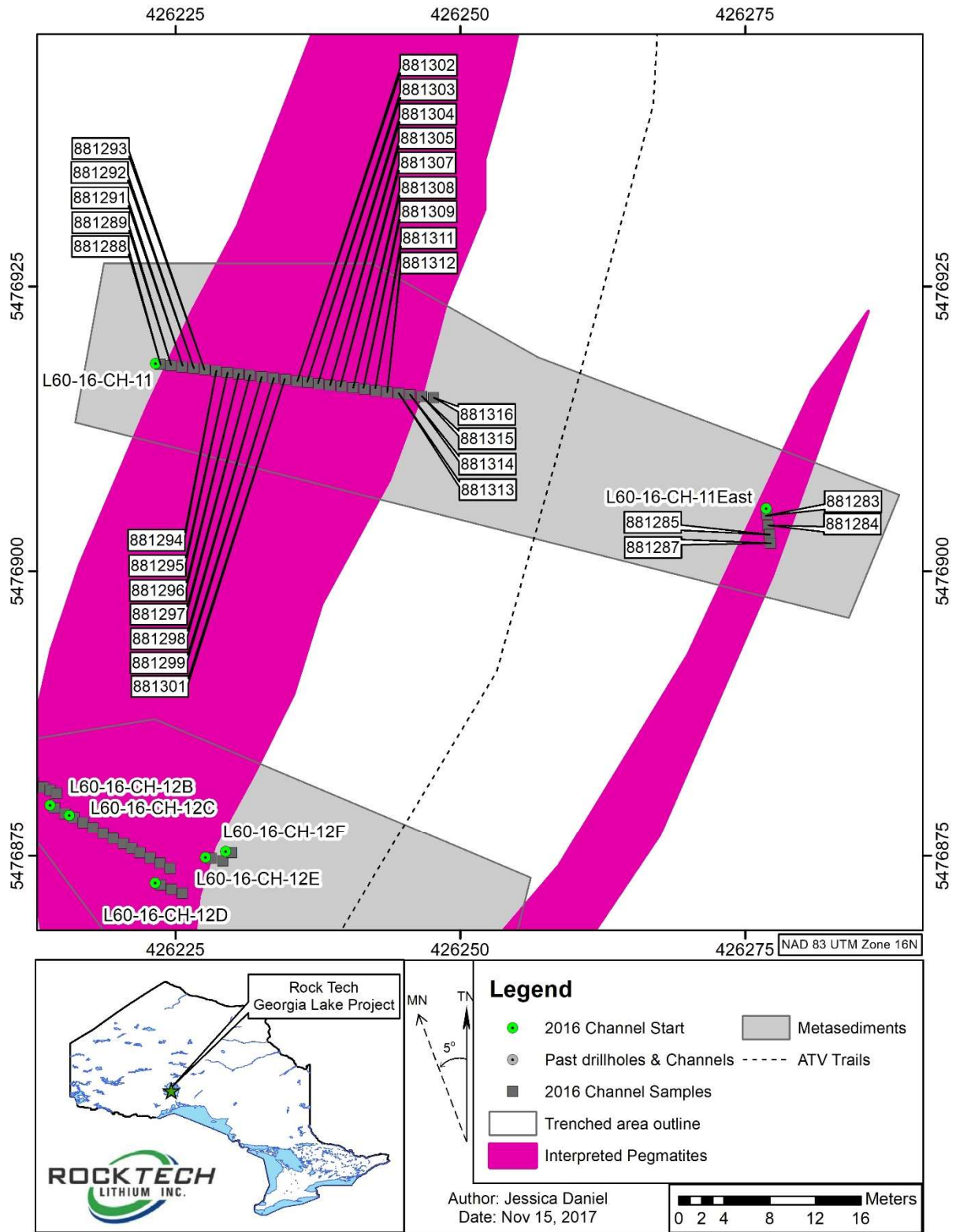


Figure 30. Line 60 channels L60-16-CH-11 and L60-16-CH-11East.

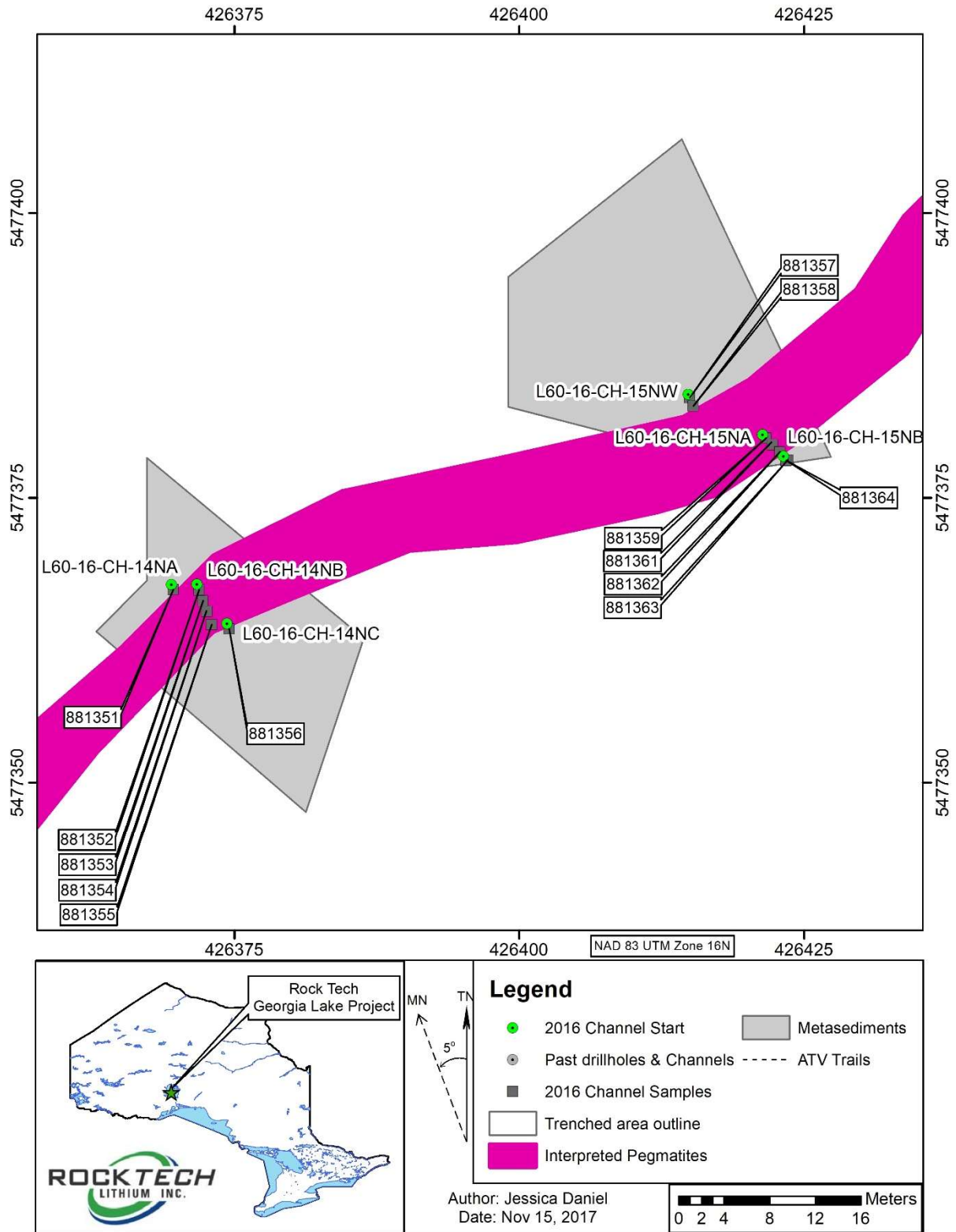


Figure 31. Line 60 channels L60-16-CH-14NA, 14NB, 14NC, L60-16-CH-15NW, 15NA, 15NB.

7.7 Channel Sampling Results – McVittie

Ten channels were cut into the McVittie Dyke (Table 16) though some of these are extension channels cut when a straight line across the dyke was not possible (Figures 32-34). All channels that intersected pegmatite returned anomalous results (Table 17) and grades were mostly consistent across the dyke. The spodumene-bearing pegmatite dyke is hosted in a small granite pluton at McVittie.

Table 16. Channel sample information for 2016 McVittie channels

Channel ID	Lease No.	Easting	Northing	Length (m)	Elevation (m)	Azimuth	Dip	Start Date	End Date
McVittie-16-CH-1	TB732175	425760.63	5473311.356	4.93	397.631	61	0	22-Oct-16	23-Oct-16
McVittie-16-CH-1W	TB732175	425759.643	5473309.643	1.92	397.532	55	0	22-Oct-16	22-Oct-16
McVittie-16-CH-2	TB732175	425748.635	5473322.635	8.35	399.892	44	0	23-Oct-16	23-Oct-16
McVittie-16-CH-3	TB732175	425737.819	5473353.895	8.59	404.011	48	0	24-Oct-16	24-Oct-16
McVittie-16-CH-3W	TB732175	425736.932	5473354.03	1.06	403.95	62	0	23-Oct-16	23-Oct-16
McVittie-16-CH-4	TB732175	425724.309	5473391.53	6.09	402.95	52	0	24-Oct-16	24-Oct-16
McVittie-16-CH-4E	TB732175	425729.43	5473395.022	1.02	402.995	46	0	24-Oct-16	24-Oct-16
McVittie-16-CH-4W	TB732175	425723.199	5473391.829	0.85	402.249	58	0	24-Oct-16	24-Oct-16
McVittie-16-CH-5	TB732175	425713.587	5473420.665	5.76	399.246	76	0	25-Oct-16	25-Oct-16
McVittie-16-CH-5E	TB732175	425719.236	5473421.05	2.29	398.713	74	0	26-Oct-16	26-Oct-16

Table 17. Significant results from McVittie channel sampling.

Channel ID	From	To	Length	Li ₂ O %
McVittie-16-CH-1	0	3.89	3.89	1.27
McVittie-16-CH-1W	1.1	1.92	0.82	1.00
McVittie-16-CH-2	0.83	7.28	6.45	1.36
McVittie-16-CH-3	0.53	6.52	5.99	1.71
McVittie-16-CH-4	0	6.09	6.09	1.46
McVittie-16-CH-5E	0	1.1	1.1	1.64
McVittie-16-CH-5	1.03	5.76	4.73	1.62

The channel sampling at McVittie covered pegmatite just to the east of drilling from the 1950's and to the west of two drillholes from the 1980's. It appears that the channels either tested an entirely new pegmatite dyke or a splay off a previously drilled dyke. All channels, with the exception of McVittie-16-CH-3W, McVittie-16-CH-4E, and McVittie-16-CH-4W, intersected pegmatite. These were all only one sample long and intersected the host granite.

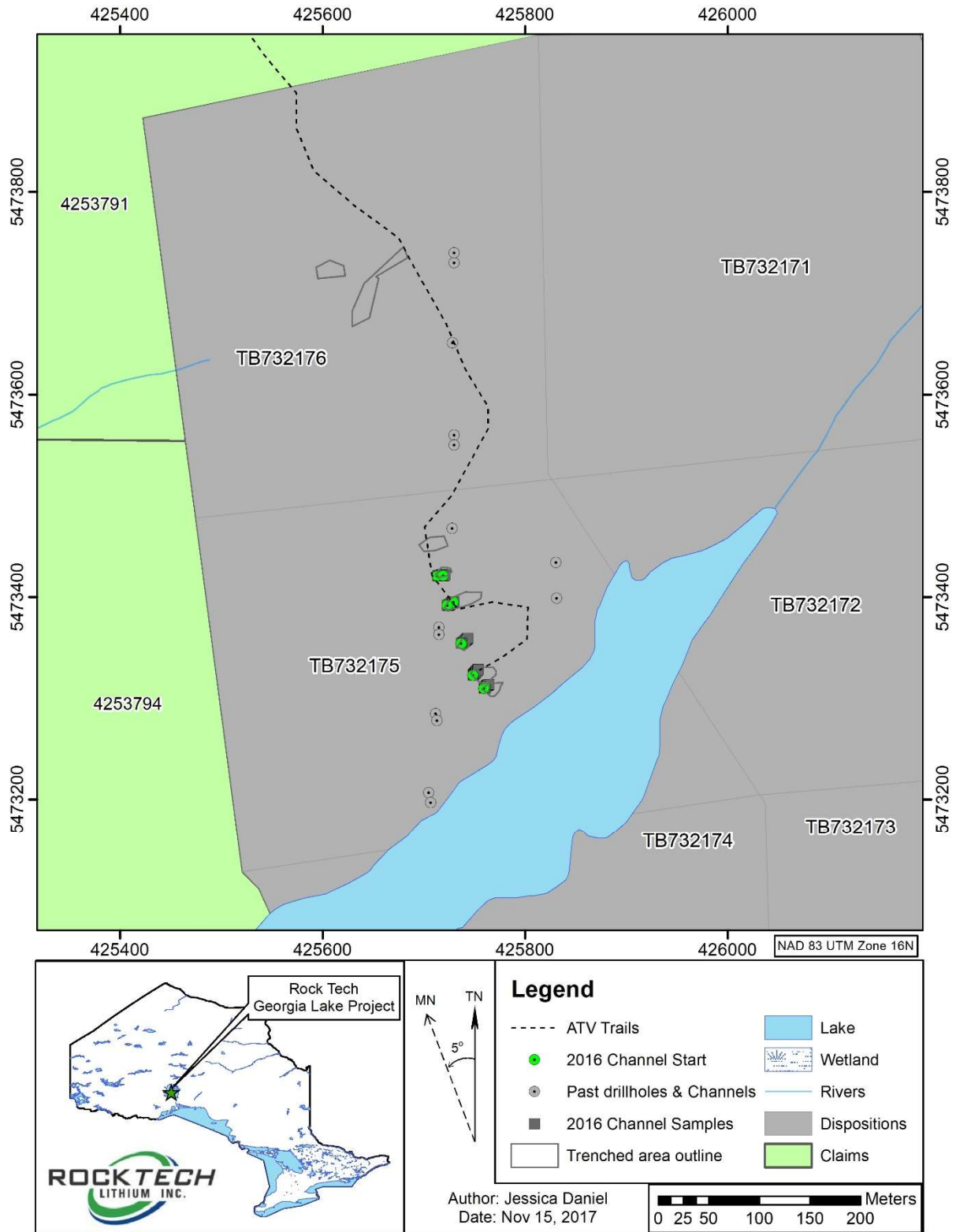


Figure 32. McVittie channels overview.

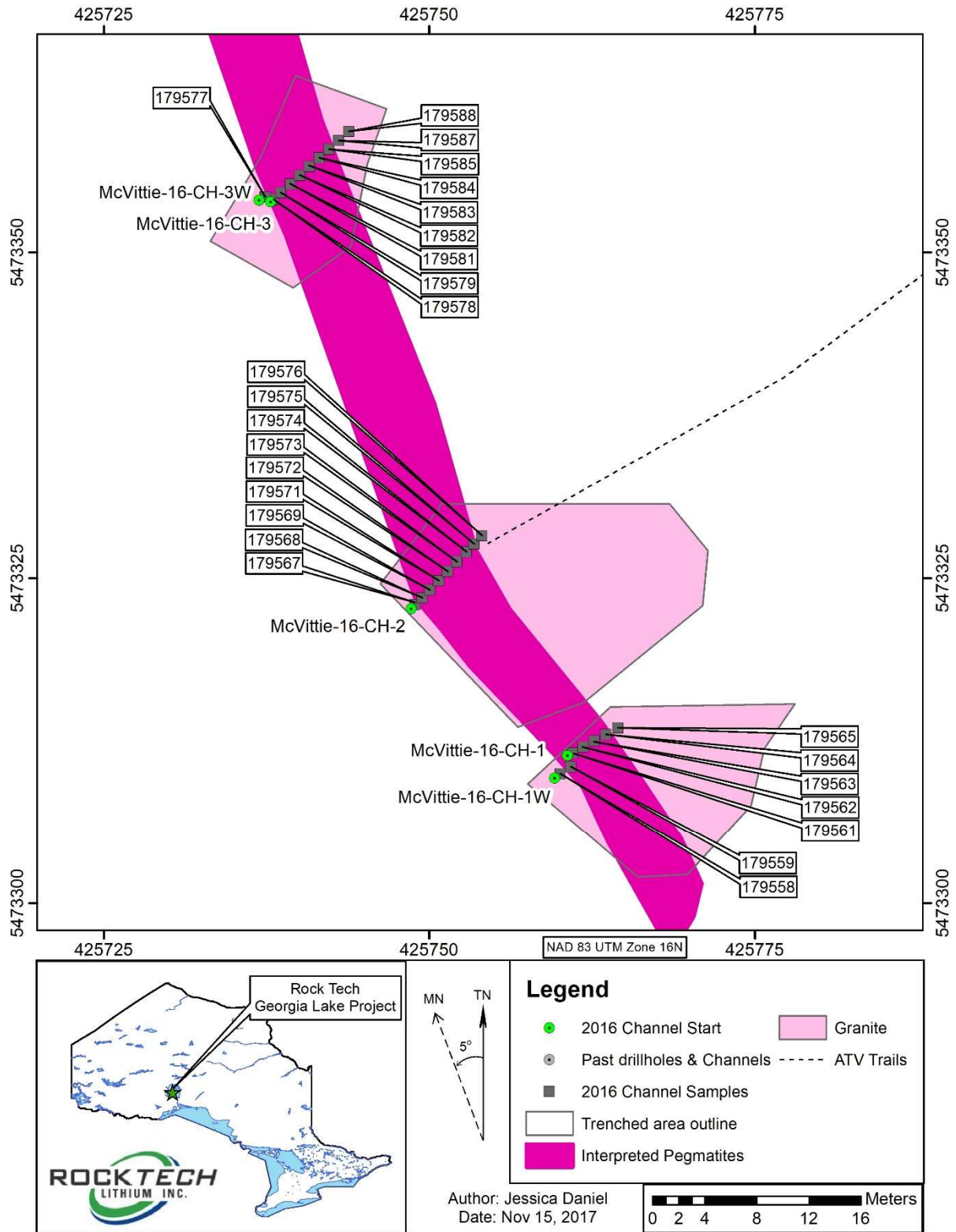


Figure 33. McVittie channels McVittie-16-CH-1, 1W, McVittie-16-CH-2, McVittie-16-CH-3, 3W.

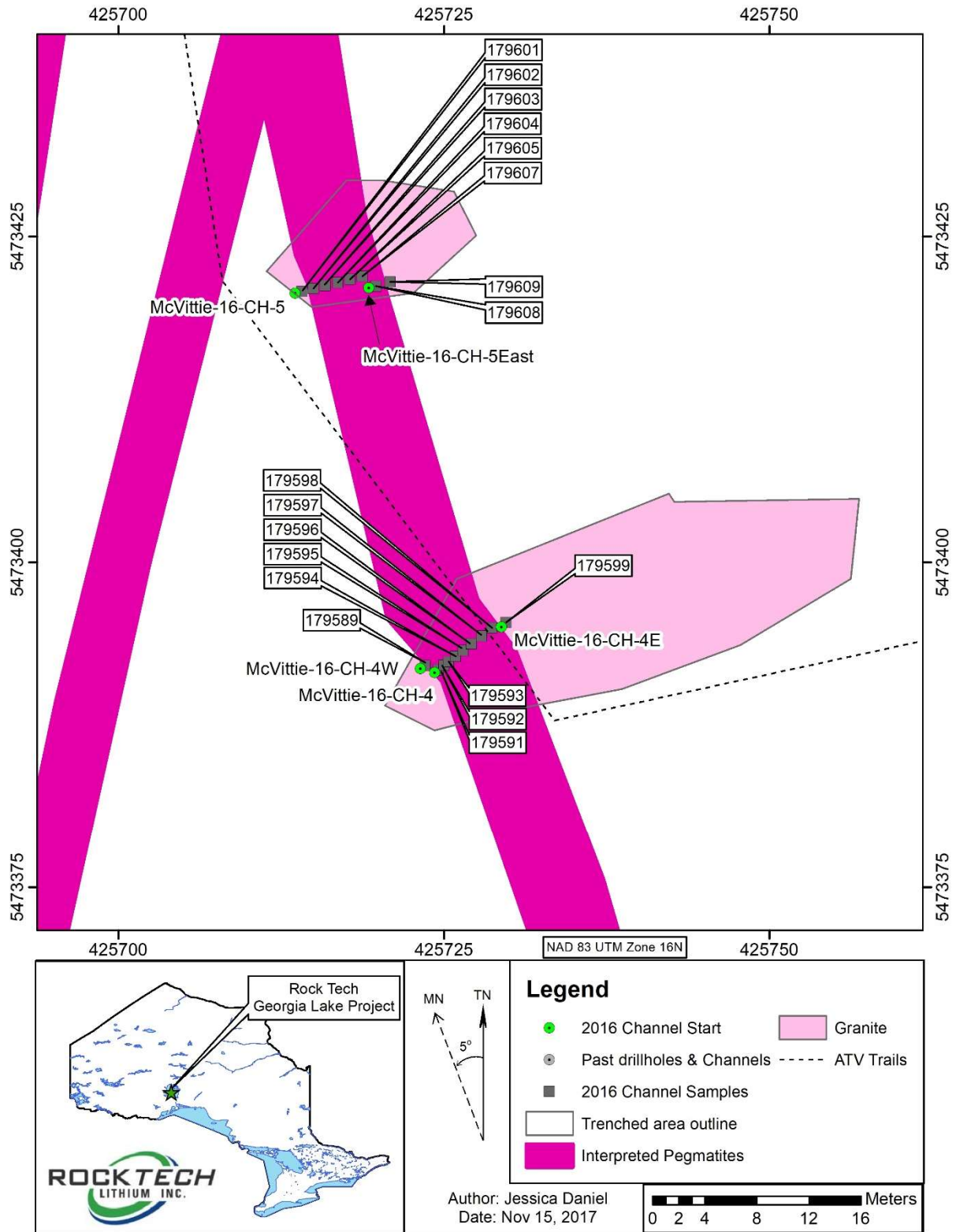


Figure 34. McVittie channel samples McVittie-16-CH-4, 4W, 4E, McVittie-16-CH-5, 5East.

8.0 Interpretations and Conclusions

Spodumene-bearing pegmatite was intersected in many of the 2016 channels. In addition, many grab samples taken during the prospecting program returned anomalous lithium assays. Grab samples were all taken on the Nama-Conway-McVittie claim block around the MZN, MZSW, and McVittie dykes. Most samples returned values over 1% Li₂O with only a few samples immediately to the southwest of MZSW containing low levels of lithium. Several samples taken immediately to the south of the MZN resource returned anomalous results and indicate the presence of further mineralized dykes in the area. Future exploration should focus on these areas given their proximity to the MZN resource.

Channel samples covered the MZSW, Harricana, West, Line 60, Conway, and McVittie dykes on the Nama-Conway-McVittie claim block and the Brink dyke on the Aumacho claim block. The MZSW, Harricana, West, Line 60, and Conway dykes are all hosted in metasediments, while the McVittie and Brink dykes are hosted in small granitic intrusions. Each of the targeted dykes was spodumene-bearing and found to contain anomalous lithium values. The MZSW, Harricana, West, Conway, McVittie, and Aumacho dykes contained spodumene throughout. However, Line 60 was more zoned than the other dykes and contained sections of finer grained, spodumene-poor to spodumene-absent material. Despite this, the Line 60 dyke was found to be far wider than the others. Aumacho distinguished itself from the other dykes by its coarser grain size and higher Li₂O contents.

Prospecting and channel sampling show that each of these areas contains spodumene-bearing pegmatite. Channel sampling specifically shows these dykes to be well mineralized throughout, with the exception of Line 60 which is zoned in the south. Prospecting shows there to be further potential for lithium outside of those dykes that were channeled or previously drilled. Thus, there is the possibility for further lithium discovery on the Georgia Lake property.

Dykes that have current resources on them are MZN, MZSW, Harricana, West, Line 60, and Conway. This program contributed to knowledge of how these resources come to surface. Channel sampling on the McVittie and Aumacho dykes were successful in intersecting spodumene-bearing pegmatite. Further work should be completed on these dykes to determine if they can be brought to an inferred resource stage.

Work should continue on the Georgia Lake property to determine what the potential is in the area around high grade grab samples. This should include further field work to determine width and strike extent of dykes near to the MZN. Drilling and channel sampling should take place on the McVittie and Aumacho dykes to assess their extensions along strike and down dip.

9.0 References

Breaks, F.W., Selway, J.B. and Tindle, A.G. (2008): The Georgia Lake rare-element pegmatite field and related S-type, peraluminous granite, Quetico Subprovince, north-central Ontario; Ontario Geological Survey, Open File Report 6199, 176p.

Pye, E.G. (1965): Georgia Lake Area, Ontario Department of Mines, Geological Report No. 31.

Williams, H.R. (1991): Quetico Subprovince; in Geology of Ontario, Ontario Geological Survey, Special Volume 4, p.383-404.

Appendix A – Grab Sampling Results

Sample Number	Li ₂ O %	Sampler	Easting	Northing	Area	Claim/Lease
881012	1.05	LG	427799	5477565	Conway	3009087
630261	2.00	MG	425715	5473421	McVittie	TB732175
630262	2.24	MG	425715	5473421	McVittie	TB732175
881059	1.18	AP	424817.6	5476952.81	Nama Creek	TB67139
881009	1.38	MG	424839	5476955	Nama Creek	TB67139
881057	2.22	AP	424738	5476937	Nama Creek	TB67133
881058	2.35	AP	424752.19	5476941.7	Nama Creek	TB67133
881056	BD	AP	424738	5476937	Nama Creek	TB67133
881155	1.01	SS	425349	5477824	Nama Creek - MZN	TB67165
881151	1.40	SS	424799	5477565	Nama Creek - MZN	TB67137
881152	1.55	SS	424859	5477464	Nama Creek - MZN	TB67134
881153	1.59	SS	424980	5477371	Nama Creek - MZN	TB67138
881016	1.59	LG	425352	5477821	Nama Creek - MZN	TB67165
881014	1.74	LG	424993	5477356	Nama Creek - MZN	TB67138
881013	1.77	LG	424861	5477474	Nama Creek - MZN	TB67137
881154	1.81	SS	425346	5477823	Nama Creek - MZN	TB67165
881015	2.15	LG	424995	5477351	Nama Creek - MZN	TB67138
630267	0.02	MG	424137	5476788	Nama Creek - MZSW	TB67177
881060	0.32	AP	424180.62	5476707.42	Nama Creek - MZSW	TB67178
881005	0.75	LG	424264	5476943	Nama Creek - MZSW	TB67177
881054	1.03	AP	424049.53	5476676.33	Nama Creek - MZSW	4253783
881007	1.14	LG	424169	5476829	Nama Creek - MZSW	TB67177
630265	1.51	MG	424267	5476945	Nama Creek - MZSW	TB67177
630268	1.55	MG	424180	5476832	Nama Creek - MZSW	TB67177
881053	1.70	AP	424049.53	5476676.33	Nama Creek - MZSW	4253783
881008	1.87	LG	424325	5476988	Nama Creek - MZSW	TB67132
881006	2.82	LG	424264	5476940	Nama Creek - MZSW	TB67177
881051	BD	AP	424037.93	5476890.31	Nama Creek - MZSW	4253783
881052	BD	AP	424041.62	5476895.6	Nama Creek - MZSW	4253783
881055	BD	AP	424204.29	5476735.56	Nama Creek - MZSW	TB67178
630266	BD	MG	424137	5476788	Nama Creek - MZSW	TB67177
630269	BD	MG	424041	5476899	Nama Creek - MZSW	4253783
630270	BD	MG	424041	5476897	Nama Creek - MZSW	4253783
630271	BD	MG	424073	5476777	Nama Creek - MZSW	4253783
630272	BD	MG	424100	5476777	Nama Creek - MZSW	TB67177
630273	BD	MG	424087	5476742	Nama Creek - MZSW	TB67178

Appendix B – Channel Logs

Channel Log AM-16-CH-1

Company: Rock Tech Lithium
Property: Aumacho Pegmatites
Channel number: AM-16-CH-1
claim number: 3009119
Logger: Vittoria Smith, Harvey M. Buck
Start Date: Oct-27-16
End Date: Oct-27-16
Date logged: 26-Nov-16

collar coordinates:
easting 427320.28
northing 5461356.233
elevation 431.125
azimuth 320
dip 0
final length (m) 5.49

comments: Channel is located southwest of Dyke #1 and #2 in the marsh that Dyke #1 borders on and it can be driven to by ATV

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	1	Spod Peg	Spod	Southeast end of the trench is in pegmatite and the enclosing rock type is not exposed. Channel is coarse-grained spodumene pegmatite with spodumene crystals up to 24 cm long and 7 cm wide. There is grey quartz intergrown and included within the spodumene and the K-spar. The K-spar is white and up to 10 cm in length. There aren't many spodumene crystals but the existing ones are so coarse-grained that the spodumene is between 20-30% of the spodumene pegmatite locally. Overall spodumene is about 20% of the channel. It is bladed to tabular and light greenish-white in colour. There are also coarse-grained blue apatites up to 4 cm. K-spar is around 25% of the sample. There is about 5% light green mica pseudomorphs after spodumene.	179611
1	2.02	Spod Peg	Spod	Spodumene pegmatite with up to 20% tabular to bladed spodumene. Crystals are up to at least 17 cm long and 5 cm wide and the K-spar crystals are up to 17 cm long. The spodumene is white to greenish-white and has inclusions and intergrowths of coarse grained quartz. There are also fine-grained white needles of cleavandite intergrown with some of the larger K-spars. Coarse-grained blue apatites up to 3 mm are rare throughout the pegmatite. 5% of the spodumene have dark green alteration rims. The K-spar is up to 20% of the sample. There are also coarse-grained booklets of light green muscovite.	179612
2.02	3.02	Spod Peg/Aplite	Spod/Black Oxides	Southeast 27 cm of the channel is white aplite with roughly 2% blue apatite crystals up to 3 mm. The rest of channel is spodumene pegmatite. Spodumene is roughly 23% overall, aligned and up to at least 10 cm long by 3 cm wide. There are rare blue apatites up to 1 mm and trace black oxides up to 1.5 mm. K-spar is white and blocky, up to 7 cm long. There are inclusions of quartz within the K-spar and within the spodumene. Muscovite is present in fine-grained green booklets throughout the samples.	179613
3.02	4.03	Spod Peg	Spod/Black Oxides	Sample is roughly 30% large, greenish-white, aligned and blady spodumene crystals. They are up to at least 12 cm by 4 cm in size and are all unaltered. The K-spar is white and it is up to 10 cm by 8 cm by 4 cm in size. There are intergrowths and inclusions of grey quartz within the spodumene and within the K-spar. There are also fine-grained blue apatites, up to 2 mm in size. Muscovite is light green in colour and is occurs in fine-grained books within the spodumene pegmatite. There are also some fine-grained black oxides, <1 mm. The Kspar is roughly 8% of the samples.	179614

Channel Log AM-16-CH-1					
4.03	5.03	Spod Peg	Spod/Black Oxides	Spodumene pegmatite with up to 22% tabular to bladed spodumene overall. Spodumene crystals are up to at least 13 cm long and 5 cm wide and the K-spar is up to 10 cm long. The spodumene is white to greenish-white and has inclusions and intergrowths of coarse-grained quartz. There are rare blue apatites <1 mm in size. The K-spar is white and blocky, and is up to 15% of the sample. The spodumene is bladed, aligned and unaltered. The quartz in these samples is slightly darker than the previous sample, however the two channel samples are very similar. Trace, fine-grained black oxides and finer grained books of green mica.	179615
5.03	5.49	Spod Peg/Aplite	Spod	Spodumene pegmatite to intermediate pegmatite with roughly 10% spodumene. Spodumene crystals are up to 2 cm wide and 7 cm long with some mild alteration especially towards the northwest edge of the sample. The K-spar is white and blocky, and comprises roughly 25% of the sample. The spodumene is bladed, aligned and greenish-white in colour. There are rare blue apatites <1 mm in size, as well as some black oxides. There is a 1 cm band of dark grey aplite. Muscovite is occurs in fine-grained green booklets.	179616
5.49	5.5	EOH		EOH	

Channel Log AM-16-CH-2

Company: Rock Tech Lithium
Property: Aumacho Pegmatite
Channel number: AM-16-CH-2
claim number: 3009119

collar coordinates:

easting 427336.553
northing 5461448.622
elevation 432.887
azimuth 78
dip 0
final length (m) 7.13

Logger: Vittoria Smith, Harvey M. Buck
Start Date: Oct-27-16
End Date: Oct-27-16
Date logged: 27-Nov-16

comments: Channel is on the southern section of Dyke #1

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	1.02	K-spar Granite		Medium-grained K-spar granite with white euhedral to subhedral tabular crystals of K-spar (0.25 cm by 0.5 cm), quartz and biotite. The quartz is occurring interstitial, between the euhedral feldspar crystals and the biotite that is forming as long, thin flakes rather than regular booklets. The biotite seems to be somewhat aligned and are forming very closely along the grain boundaries of the K-spar. While most of the K-spar is pristine white, there are some samples which show blue-gray cores within the feldspars. K-spar is 65% within these samples.	179617
1.02	2.04	Spod Peg/Intermediate Peg	Spod	There is 2 cm of the medium-grained K-spar granite at the west end. The contact is somewhat undulating locally but seems to be the general trend at 168 degrees/dipping 83 degrees W. The easternmost 22 cm is very quartz rich spodumene pegmatite with large spodumene crystals (up to 7 cm long and 4 cm wide) with inclusions of large quartz crystals. West side is spodumene pegmatite with blocky white K-spar crystals and the westernmost 22 cm has <5% mica pseudomorphs after spodumene and is intermediate pegmatite. Spodumene is up to 50% locally, but only 22% overall and K-spar is 20% overall. Most of the spodumene is pristine, greenish-white in colour, however some have begun to alter around the edges to dark green. Muscovite is also occurring as coarse-grained green booklets within the spodumene pegmatite. K-spar crystals are up to 10 cm long by 6 cm wide.	179618
2.04	3.03	Spod Peg/Intermediate Peg	Spod	Western 10-15 cm is a continuation of the quartz rich pegmatite from the previous samples with 10% light green mica pseudomorphs after spodumene, then 50 cm of white K-spar rich pegmatite. Eastern end is intermediate pegmatite with Spodumene in these samples are light green, relatively unaltered, randomly oriented and tabular. The spodumene in these samples are only about 2-3% overall, and the K-spar is roughly 45%. The giant K-spar has large crystals of quartz inclusions and green muscovite is also occurring as coarse grained books.	179619
3.03	3.03	BLANK		BLANK	179620

Channel Log AM-16-CH-2					
3.03	4.06	Intermediate Peg/Spod Peg	Spod	Western 11 cm is a continuation of the intermediate pegmatite, then the next 20 cm is quartz dominated pegmatite with 2% light green mica pseudomorphs after spodumene. The mica pseudomorphs in these samples go up to 3.5 cm long. The eastern 20 cm is one large, white K-spar crystal. Muscovite is also occurring in coarse-grained green booklets. Spodumene is rare, medium grained, tabular and greenish white. Spodumene is 1-2% of this sample. This channel is dominantly quartz and K-spar.	179621
4.06	6.11	Spod Peg	Spod	Western 34 cm is a continuation of the single K-spar from the previous samples and then spodumene pegmatite with 18 - 25% spodumene. The spodumene is light green, partly aligned and relatively unaltered. Most of the K-spar is white, however there are crystals which are peach colored. There are coarse-grained blue subhedral apatites up to 1 cm in size. The spodumene and the K-spar in these samples both poikilolitically include coarse crystals of quartz. Muscovite is also occurring as coarse-grained green booklets. The spodumene is roughly 12% overall and is bladed, up to 6 cm long and 2 cm wide.	179622
6.11	7.13	K-spar Granite		Medium-grained K-spar granite with white euhedral to subhedral tabular crystals of K-spar (0.25 cm by 0.5 cm), quartz and biotite. The quartz is occurring between the euhedral feldspar crystals and the biotite is forming as long, thin flakes that are somewhat aligned and are forming along the grain boundaries of the K-spar. Some of the K-spar is pristine white, most samples show blue-gray cores within the feldspar crystals, giving it an overall blueish appearance. K-spar is 70% within these samples, and no spodumene is present.	179623
7.13	7.14	EOH		EOH	

Channel Log AM-16-CH-3

Company: Rock Tech Lithium
Property: Aumacho Pegmatites
Channel number: AM-16-CH-3
claim number: 3009119
Logger: Vittoria Smith, Harvey M. Buck
Start Date: 29-Oct-16
End Date: 29-Oct-16
Date logged: 27-Nov-16

collar coordinates:

easting 427325.543
northing 5461478.648
elevation 434.1
azimuth 70
dip 0
final length (m) 6.1

comments: Note all large spodumenes in this channel have blebs of grey quartz to 3.5 cm, some of which are subhedral, channel is located on Aumacho Dyke #1.

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	1.06	K-spar Granite		K-spar granite with euhedral to subhedral white tabular crystals of feldspar within quartz. There is also fine grained biotite occurring between the feldspar crystals. The granite is fairly homogeneous, with the exception of a 7-8 cm band which is devoid of biotite. There is a clean, straight contact with 2 cm of pegmatite. the pegmatite is quartz, K-spar and green muscovite. There is 65% Kspar within the samples. Contact is steady to the south, just north of the channel the contact moves east and the pegmatite dyke pinches, contact at 150 degrees/dipping steeply to the west.	179624
1.06	2.04	Spod Peg	Spod	Spodumene pegmatite with spodumene crystals up to 12 cm long and K-spar crystals up to 15 cm long. The spodumene is white in colour and pristine, with no alteration. The K-spar is blocky and white. The quartz is occurring between the K-spar and the spodumene but also as inclusions within them. There is also coarse-grained booklets of green muscovite. There are also coarse-grained 1 cm crystals of blue apatite. Spodumene and K-spar are each 20% of the samples and 15% green mica pseudomorphs after spodumene. West half of the sample is underwater and there is a 40 cm long spodumene 13 cm to the north of the channel. Sample is a duplicate of 179626.	179625
2.04	2.04	Spod Peg	Spod	Similar to previous sample in mineralogy. Spodumene crystals seen in these samples are up to 8 cm in length, white and partly aligned. There is also blue apatite again, and these samples seem richer in quartz. There are also 20% mica pseudomorphs after spodumene and primary books of green muscovite. K-spar is blocky and white. The quartz is occurring between the K-spar and the spodumene but also as inclusions and intergrowths within them. Spodumene is 15% of the sample, K-spar is 20%. West half of the sample is underwater and there is a 40 cm long spodumene 13 cm to the north of the channel. Sample is a duplicate of 179625	179626
2.04	3.04	Spod Peg	Spod	All spodumene pegmatite, sample has a 56 cm long, blade spodumene in the base of the channel that is about 10 cm high and 5 cm wide, spodumene is greenish-white to white, exhibits cleavage very well, spodumenes are mostly aligned in outcrop but a large one at the east end of the sample is on an angle, and spodumene comprises 35-40% of the sample, associated with rare to 1% dark blue subhedral apatites to 0.5 cm, 5% medium to coarse-grained light greenish mica books, and lots of grey quartz with two or three % white K-spar in quartz matrix.	179627

Channel Log AM-16-CH-3					
3.04	4.03	Spod Peg	Spod	One fracture zone with a dark surface and alteration out to 1 cm on each side, located 42 cm from the southwest end of the sample, all spodumene pegmatite, spodumene is blady, greenish-white to white, exhibits cleavage very well, spodumenes are partly aligned in outcrop, they reach at least 10-15 cm long, and spodumene comprises 35-40% of the sample for the first 50 cm on the southwest side, then drops to about 25% for the northeast side for about 30-32% spodumene overall in the sample, spod is partly altered to light green mica between 15-50 cm from the southwest side and is associated in this interval with 20% greenish medium to mostly coarse-grained mica books, maybe 5% otherwise?, spodumene pegmatite is associated with rare dark blue subhedral to euhedral apatites to 8 mm in quartz, and lots of grey quartz with ~5% white to beige K-spar in quartz matrix.	179628
4.03	5.08	Spod Peg	Spod	1-2 cm of K-spar granite at the northeast end, contact is undulating and is irregular but appears to have a trend of 155 degrees dipping steeply to the west, at the contact, the pegmatite appears to have a 3-4 mm wide wall zone composed of K-spar and quartz to a few mm in size with the occasional dark accicular to tabular mineral that may be tourmaline? right at the contact, from the contact to 13 mm is spodumene pegmatite with about 8% medium to just coarse-grained tabular spodumene associated with minor small blue apatite and about 10% light green medium to coarse-grained mica books, following which is 11 cm of granite that lacks the larger K-spars of the enclosing granite but probably keeps the same percentages, both contact surfaces have small dark crystals that may be tourmaline, the rest of the sample to the southwest is spodumene pegmatite with about 30% greenish-white to white, blocky to blady, spodumene that reaches 15 cm in the sample but the channel is associated with a crystal to the north of the sample that reaches 75 cm long, associated with white K-spar, the largest of which is a 10 by 4 cm long crystal comprising 8-10% of the zone, rare blue subhedral apatite to 1 cm long, probably 5-8% generally coarse-grained light green mica books, and lots of grey quartz, spodumene probably 25% overall in the sample.	179629
5.08	5.08	LOW STANDARD		LOW STANDARD	179630
5.08	6.1	K-spar Granite		Mostly homogeneous medium-grained K-spar granite comprised dominantly of subhedral to euhedral white K-spar from 2-7 mm wide comprising 65% of the granite, about 25% grey quartz and 10% interstitial biotite, there are some up to dm sized bands of granite that are lighter and 2-3 cm wide darker bands, 5 cm from the northeast end is a 4 mm wide black very fine-grained patch that may be mostly tourmaline.	179631
6.1	6.11	EOH		EOH	

Channel Log CW-16-CH-4A

Company: Rock Tech Lithium
Property: Conway Pegmatite
Channel numb CW-16-CH-4A
claim number: 3009087

Logger: Vittoria Smith, Harvey M. Buck
Start Date: 04-Nov-16
End Date: 04-Nov-16
Date logged: 11/20/16

collar coordinates:

easting 427431.11
northing 5478296.28
elevation 391.59
azimuth 107
dip 0
final length (m) 0.91

comments: Stand alone channel located 1.25 m west of pegmatite outcrop, contact buried beneath dirt, exact location unknown.

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	0.91	Metasediment		Massive metsediments with five or six 1-3 mm thick quartz veinlets. The metasediments are 50-60% dark phase and the rest is white/grey phases. The quartz veinlets have a thin bleached aureole along the contact with the metasediments. Samples are generally fine-grained with a medium-grained white mineral throughout (5%, most likely quartz).	179653
0.91	0.92	EOH		EOH	

Channel Log CW-16-CH-4B

Company: Rock Tech Lithium
Property: Conway Pegmatite
Channel number: CW-16-CH-4B
claim number: 3009087
Logger: Vittoria Smith, Harvey M. Buck
Start Date: 04-Nov-16
End Date: 04-Nov-16
Date logged: 11/20/16

collar coordinates:
easting 427432.93
northing 5478294.83
elevation 392.229
azimuth 113
dip 0
final length (m) 5.78

comments: Channel starts 1.25 m east of the previous channel and the contact is buried between the two channels.

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	0.79	Intermediate Peg	Spod/Black Oxides	Intermediate pegmatite with 5-10% mica pseudomorphs after spodumene. The pseudomorphs are partly aligned, bright green and up to 4 cm long. There is some unaltered spodumene, which is greenish-white and bladed. There are fine-grained black oxides disseminated throughout the samples as well as fine-grained blue apatites. Samples are up to 40% K-feldspar, which ranges from a creamy white to a greyish white.	179654
0.79	1.67	Spod Peg/K-spar + Quartz Peg/Aplite/Intermediate Peg	Spod/Black Oxides	Heavily banded with bands of intermediate pegmatite (western 10 cm), aplite, K-spar pegmatite (30-10 cm from the east side) and spodumene pegmatite. Spodumene pegmatite is 48 cm in two bands, K-spar pegmatite is 20 cm wide in one band, and aplite is 10 cm wide in two bands. The spodumene is partly aligned and most have dark green alteration rims. Spodumene is 15-20% in spodumene pegmatite and the spodumene is about 6% of the overall samples. The spodumene is light green in colour where it is unaltered. It is bladed in habit and up to 4 cm long and 0.5 cm wide. Muscovite occurs in fine-grained green booklets. Apatite and black oxides are disseminated throughout the samples. K-spar is a creamy beige in colour and makes up to 30% of the samples.	179655
1.67	2.77	Spod Peg/Aplite	Spod/Black Oxides	Mostly spodumene pegmatite with a 2 cm thick grey aplite band running down the channel for 18 cm and a 9 cm thick aplite band running for 30 cm. Spodumene pegmatite has a few large blocky K-spar crystals up to 6 cm wide. The K-spars are beige in colour. The spodumene is blady, light green and aligned. It is up to 4 cm long and is at roughly 1-2% in a K-spar rich section for 10 cm, but mostly 15-20% locally within the spodumene pegmatite, but only about 10% overall in the sample. Muscovite is occurring in light green fine-grained booklets. 1-2% of the spodumene has a thin alteration rim of dark green. The K-spar is 25% of the sample and is occurring as large blocky crystals but also interstitially between spodumene with quartz. Fine-grained blue apatites are within the aplite and there are fine-grained black oxides disseminated within the pegmatite.	179656

Channel Log CW-16-CH-4B					
2.77	3.72	Spod Peg/Aplite	Spod	Western 22 cm is spodumene pegmatite with large beige K-spar crystal up to 11 cm long by 3 cm wide, the spodumene is about 12% in this zone. Then there is a 4 cm wide aplite band and the rest of the sample is spodumene pegmatite with spodumene between 10-20% of the zone. The spodumene pegmatite is very K-spar rich, and the spodumene is light green, aligned and comprises 12% of the sample. Spodumene is bladed in habit, up to 1 cm thick and 7 cm at its longest, however most are only around 0.5 cm thick and 3 cm long. The muscovite in this sample occurs in small, fine-grained booklets and are silvery rather than green. There are also blue apatites disseminated through the samples, and they are generallyly <1 mm in size.	179657
3.72	4.78	Aplite/Spod Peg/K-spar + Quartz + Spod Peg	Spod/Black Oxides	Western end is 2-3 cm of spodumene pegmatite then there is a large 47 cm brown aplite band with 3 bands of spodumene pegmatite, each which are only 1-2 cm thick. Then 25 cm of K-spar + quartz + spodumene (spodumene 10% in this zone) pegmatite till a dip in the outcrop with 3 cm of no sampling, then spodumene pegmatite till the last 3 cm at the east end which is an aplite dyke. Spodumene pegmatite with light green crystals of spodumene, 5% of which have dark green alteration rims. The crystals are blady to tabular and are up to 1 cm wide and 4 cm long. The K-spars in the sample are beige, blocky and the crystals are up to 10 cm long and 4 cm thick. Muscovite in this sample is white again, similar to the previous sample. There are fine-grained black oxides and blue apatites disseminated throughout the aplite. The spodumene is estimated to be roughly 4-5% of the overall sample.	179658
4.78	5.78	Spod Peg/Aplite	Spod/Black Oxides	Western 14 cm is a band of greyish-brown aplite that is 30 cm long in the sample with fine-grained disseminated blue apatites and some trace black oxides. There is a second band of aplite which is 5-7 cm wide and it is a little lighter in colour and there are no fine-grained oxides seen. The rest is spodumene pegmatite comprising 10-16% spodumene as blady green spodumene crystals, associated with beige K-spar, grey quartz and white mica. The spodumene here does not have alteration rims. They are aligned and compose 5-6% of the overall sample. The K-spar is beige and blocky, composing up to 35% of the pegmatite.	179659
5.78	5.78	BLANK		BLANK	179660
5.78	5.79	EOH		EOH	

Channel Log CW-16-CH-4C

Company: Rock Tech Lithium
Property: Conway Pegmatite
Channel number: CW-16-CH-4C
claim number: 3009087
Logger: Vittoria Smith, Harvey M. Buck
Start Date: 04-Nov-16
End Date: 04-Nov-16
Date logged: Nov-23-2016

collar coordinates:
easting 427438.51
northing 5478292.68
elevation 393.76
azimuth 114
dip 0
final length (m) 4.01

comments:

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	0.96	Spod Peg/Aplite	Spod	Western end is 10 cm of spodumene pegmatite, then 16 cm of brown aplite which is cut in half by a 3 cm band of spodumene pegmatite. The rest is K-spar rich spodumene pegmatite (with a 1.5 cm thick light coloured band of aplite) with a beige K-spar up to 24 by at least 8 by 4 cm, grey quartz, and some spodumene. The spodumene has dark green alteration rims, in some cases its nearly been altered completely. Unaltered spodumene is light green. The spodumene is aligned and up to 8 cm at its longest, however most are more tabular than blady and only up to 3 cm long. The muscovite is silvery white and is occuring in medium-grained booklets. The spodumene is 10-16% locally but only 5-6% overall in the sample, and the K-spar is roughly 25% overall in the sample.	179661
0.96	2.03	K-spar + Quartz + Spod Peg/Aplite	Spod	Two aplite bands roughly 21 - 25 cm from the west end and 29 - 34 cm from the east end and the rest is K-spar pegmatite with spodumene. The aplite is beige in colour with disseminated blue apatites. The spodumene is well aligned and 16-20% of the K-spar pegmatite. Spodumene is blady and aligned, up to 8 cm long and 0.5 cm wide. It is light green in colour and 2-3% have dark green alteration rims. The K-spar is blocky and beige, occurring with dark gray quartz in between spodumene crystals. The muscovite in these samples are silvery white, similar to the previous sample. The spodumene is about 15% of the overall sample.	179662
2.03	3	K-spar + Quartz + Spod Peg/Aplite	Spod	Two aplite bands, occurring 27-31 and 36-37 cm from the east end, the rest is K-spar rich spodumene pegmatite. The spodumene is 15% overall, mostly aligned and light green in colour. The aplite bands are brown with trace fine-grained blue apatites. The spodumene is more needle like here than bladed, being only a few mm thick and up to 7 cm long. 2-3% of the spodumene have dark green alteration rims, and there are three crystals which are completely altered to dark green. The muscovite in this sample is silvery in colour as opposed to green. The K-spar is beige and blocky, and is roughly 20-25% of the sample.	179663
3	4.01	K-spar + Quartz + Spod Peg/Aplite	Spod	Aplite band 18-24 cm from the western end and aplite 23-26 cm from the eastern end, the rest is K-spar rich spodumene pegmatite. The spodumene is well aligned and blady to tabular in habit. Most of it is light green and unaltered, but 5% have pervasive dark green alteration rims. The K-spar is beige and blocky, and the quartz is a dark gray. There are fine-grained blue apatites throughout the pegmatite and the aplite and medium-grained red garnets within the pegmatite. There is very little muscovite within this sample and it is silver in colour, as opposed to green. Spodumene is overall 8-10% within the sample.	179664
4.01	4.02	EOH		EOH	

Channel Log CW-16-CH-4D

Company: Rock Tech Lithium
Property: Conway Pegmatite
Channel number: CW-16-CH-4D
claim number: 3009087
Logger: Vittoria Smith, Harvey M. Buck
Start Date: 04-Nov-16
End Date: 04-Nov-16
Date logged: 11/16/16

collar coordinates:

easting 427439.137
northing 5478287.14
elevation 395.19
azimuth 116
dip 0
final length (m) 3.16

comments: Southeast end of the channel does not reach the pegmatite contact.

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	0.38	Aplite/Spod Peg	Spod	Dark brownish aplite with 3-4 cm wide bands of randomly oriented spodumene pagmatite. The crystals are finer-grained, usually under 0.5 cm by 0.5 cm. There are fine-grained blue apatites within the aplite, mostly near the contacts with the spodumene. Overall there is about 5% spodumene. It is light green in colour, and the cystals are not elongated and so its hard to tell if theres any sort of alignment. This is a duplicate of 179666.	179665
0.38	0.38	Aplite/Spod Peg	Spod	Dark brownish aplite with 2 cm wide bands of random spodumene pegmatite. The crystals are also finer-grained, usually under 0.5 cm by 0.5 cm just like the previous sample. Fine-grained blue apatites occur within the aplite, mostly near the contacts with the spodumene. Overall there is about 5-7% spodumene. It is light green in colour, and the cystals are not elongated and so its hard to tell if theres any sort of alignment. This is a duplicate of 179665.	179666
0.38	1.43	Spod Peg/Aplite	Spod/Black Oxides	There are 3-4 bands of aplite which total about 16 cm, the rest is spodumene pegmatite with a few large blocky beige K-spar crystals to 3 cm long. Most of the spodumene is somewhat aligned and comprises 10-12% of the spodumene pegmatite, and about 8-10% of the overall sample. The spodumene crystals are up to 15 cm long and 2 cm wide by 0.5 cm thick. They are blady to tabular in habit. The spodumene crystals are light green in colour, and some have dark green alteration rims, 1-2% are completely altered to dark green. There is some muscovite in the sample, and they are silver in colour. The K-spar is beige in colour, and there are fine-grained blue apatites and black oxides throughout the sample, especially in the aplite.	179667
1.43	1.86	Spod Peg/Aplite	Spod	Western 29 cm is spodumene pegmatite. The spodumene is partly aligned to aligned and about 12% of the zone, or ~8% overall in the sample. There is a 14 cm band of aplite at the eastern end. Most of the spodumene is light green and unaltered, except the crystals which are within the aplite, they are pervasively altered to a dark green. The aplite is dark brown in colour and has fine-grained blue apatites. There is also a large section of blocky, creamy white K-spar, which is up to 14 cm long. The spodumene is mostly aligned and blady to tabular. The largest crystals are about 0.5 cm wide by 3 cm long. Muscovite within this sample is fine-grained and white.	179668

Channel Log CW-16-CH-4D					
1.86	3.16	Aplite/Intermediate Peg/Spod Peg	Spod/Black Oxides	West side is 37 cm of aplite with a 5-6 cm band of spodumene pegmatite with 4% green mica pseudomorphs after spodumene. After the aplite is 8 cm of unsampled channel followed by aplite again. The eastern aplite has a 5 and 10 cm band of intermediate pegmatite with 5-7% mica pseudomorphs after spodumene. The spodumene is aligned and the samples are 0.5 - 1% green mica pseudomorphs after spodumene overall in the sample. The quartz in the intermediate pegmatite is a very dark gray and there are 1 mm crystals of blue apatite disseminated within the aplite. Trace fine-grained black oxides are also visible. Overall the aplite is light brown in colour and there is roughly 45% K-spar in the intermediate pegmatite. Muscovite occurs as pseudomorphs but also as fine-grained booklets, and these are more silver in colour, as opposed to the pseudomorphed ones which are green. contact is not exposed in the channel but is exposed on the east side and appears to be fairly constant at 206 degrees/dipping 69 degrees NW.	179669
3.16	3.16	BLANK		BLANK	179670
3.16	3.17	EOH		EOH	

Channel Log CW-16-CH-4E

Company: Rock Tech Lithium
Property: Conway Pegmatite
Channel number: CW-16-CH-4E
claim number: 3009087
Logger: Vittoria Smith, Harvey M. Buck
Start Date: 04-Nov-16
End Date: 04-Nov-16
Date logged: 11/16/16

collar coordinates:

easting 427442.75
northing 5478285.01
elevation 394.66
azimuth 116
dip 0
final length (m) 1.2

comments: Azimuth was not taken but it is almost the same as CW-16-CH-4D

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	1.2	Metasediment		Massive metasediments with some roughly 1 mm wide quartz veins with very thin alteration aureoles. Sample is missing 16 cm in a low spod about 1/3 of the way from the northwest end. The metasediments are comprised of 50% black phase and 50% white and grey phases. There are 1 mm sized black crystals throughout the metasediments, unable to discern exactly what they are by eye.	179671
1.2	1.21	EOH		EOH	

Channel Log CW-16-CH-5

Company: Rock Tech Lithium
Property: Conway Pegmatite
Channel number: CW-16-CH-5
claim number: 3009087
Logger: Vittoria Smith, Harvey M. Buck
Start Date: 01-Nov-16
End Date: 01-Nov-16
Date logged: 11/16/16

collar coordinates:
easting 427414.107
northing 5478240.261
elevation 396.85
azimuth 130
dip 0
final length (m) 5.39

comments:

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	1	Metasediment		Mostly massive metsediments with 2.5 cm of pegmatite at the northeast end. Contact is undulating at 222 degrees/dipping 74 degrees NW.. Pegmatite is mostly K-spar with green muscovite and quartz. Metasediments has 2 cm wide bleached zones around quartz veins. 50% black phase and 50% white/grey phase. Samples have no spodumene.	179639
1	1	BLANK		BLANK	179640
1	2.02	Spod Peg/Intermediate Peg	Spod	West end has roughly 10 cm of intermediate pegmatite, quartz rich with subhedral red-orange garnets (up to 3 mm) and medium-grained (up to 2 mm) anhedral blue apatite crystals. Followed by 17 cm of aplite with a 1.5 cm wide band of coarse-grained pegmatite in the middle. Rest of the sample is spodumene pegmatite. Eastern 45 cm has non altered spodumene to spodumene with dark green alteration rims. Rest of the spodumene pegmatite is completely altered to dark green. Overall their is roughly 6% blady to tabular spodumene. Crystals range up to 0.5 cm wide and 2.5 cm long. Green muscovite is fine-grained and disseminated mostly throughout the aplite, giving it an almost glittery appearance.	179641
2.02	2.98	Spod Peg/Aplite	Spod/Black Oxides	Channel is banded with 16 cm of aplite at western end, eastern end has 12 cm of K-spar pegmatite on the south side, the north side at the eastern end has 3 cm of aplite and then 7 cm of K-spar pegmatite. The rest is spodumene pegmatite with up to 20% spodumene locally which grades into intermediate pegmatite. The spodumene is light green with dark green alteration rims. It is tabular in habit and most of the crystals are fractured. Samples are K-spar rich, up to 30%. Aplite has fine-grained green muscovite crystals and disseminated fine-grained black oxides. There is fine-grained blue apatite disseminated throughout the aplite. Spodumene is 3-5% of the sample.	179642

Channel Log CW-16-CH-5					
2.98	3.94	Spod Peg/Intermediate Peg/Aplite	Spod	Intermediate pegmatite. 1-2% possible mica pseudomorphs after spodumene. West end of channel rich in dark gray quartz and has coarse grained black oxides. Grades into spodumene pegmatite and aplite. The contact between the aplite and spodumene pegmatite is shaep and near the contact with the aplite there is a large decrease in size of the spodumene. The aplite is a brownish colour with fine grained green muscovite and blue apatites disseminated throughout. The spodumene is blady, light green in colour and partly aligned. The largest crystal is 0.5 cm wide and 3 cm long. Few of the smaller spodumene crystals have the dark green alteration rims (1-2%). Overall the spodumene 2-3% of the samples.	179643
3.94	5.39	Spod Peg/Aplite/K- spar + Quartz Peg	Spod/Black Oxides	West side is roughly 54 cm of spodumene pegmatite with 6-15% spodumene. There is a 6 cm wide band of beige K-spar and quartz. Another band of 17 cm spodumene pegmatite, followed by a 35 cm band of aplite. The spdumene is bladed and tabular in habit, up to 1 cm thick and 3 cm long. It is light green in colour and only 2-3% have any sort of green alteration rims. The spodumene is randomly oriented and is about 10% of the overall sample. Fine-grained black oxides and blue apatites are disseminated in the aplite bands. K-spar is 25% of the total sample, and most of the quartz is dark grey and occurs between spodumene crystals.	179644
5.39	5.4	EOH		EOH	

Channel Log CW-16-CH-5E

Company: Rock Tech Lithium
Property: Conway
Channel number: CW-16-CH-5E
claim number: 3009087

Logger: Vittoria Smith
Start Date: 01-Nov-16
End Date: 01-Nov-16
Date logged: 11/16/16

collar coordinates:

easting 427417.498
northing 5478236.524
elevation 397.93
azimuth 122
dip 0
final length (m) 0.96

comments:

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	0.96	metasediment		Massive metasediments with 40% dark phase and 60% white and grey phases. Sample crosscut by a 1-2mm wide quartz vein and a 9cm wide aplite veinlet. The aplite is brownish in colour with fine grained blue apatites. 1-2 mm wide bleaching aureole around quartz vein.	179645
0	0.96	metasediment		Massive metasediments with 40% dark phase and 60% white and grey phases. Sample similar to one above and is also crosscut by a 1-2mm wide quartz vein and a 4.5 cm wide aplite veinlet. The aplite is brownish in colour with fine grained blue apatites. 2 mm wide bleaching aureole around quartz vein. duplicate of 179645	179646
0.96	0.97			EOH	

Channel Log CW-16-CH 5W

Company: Rock Tech Lithium
Property: Conway Pegmatite
Channel number: CW-16-CH 5W
claim number: 3009087
Logger: Vittoria Smith, Harvey M. Buck
Start Date: 01-Nov-16
End Date: 01-Nov-16
Date logged: 11/16/16

collar coordinates:
easting 427407.38
northing 5478249
elevation 395.26
azimuth 144
dip 0
final length (m) 7.03

comments:

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	0.52	Aplite/Spod Peg	Spod/Black Oxides	Eastern 20 cm has 2 bands of spodumene pegmatite, the rest is mostly aplite with 3 small bands of spodumene pegmatite to a few cm thick. The spodumene is tabular to blady, generally less than 0.5 cm thick and generally only 1-2 cm long. It is light green in colour, and is randomly oriented. Overall the spodumene is roughly 15% of the sample. Trace black oxides are fine-grained and occur as disseminations within the spodumene pegmatite. There is also fine-grained blue apatite crystals (<1 mm) that are disseminated within the spodumene pegmatite and the aplite. Quartz and K-spar are occurring interstitially between the spodumene crystals. Muscovite is very fine-grained and light green. Muscovite is 10% of the sample, aplite makes up 35% of the sample, quartz is 25-30% and visible K-spar is 10-15%.	179632
0.52	1.55	Spod Peg/Aplite	Spod	Approximately 35 cm of aplite in multiple bands. The largest band is 20 cm from the east end, the rest of the sample is spodumene pegmatite. Spodumene is generally light green and tabular to blady in habit. 2-3% of the crystals have dark green alteration on their grain boundaries within 20 cm of the west end of the sample, the rest of the spodumene is relatively fresh. Spodumene is 20-25% locally, within the spodumene pegmatite, and roughly 18% overall in the sample. There is a brownish green rim between the contact of the aplite and the spodumene pegmatite. Within the spodumene pegmatite, the crystals are up to 0.5 cm wide and 3 cm long. A finer-grained "pod" of spodumene pegmatite is enclosed within the aplite, and here the spodumene is tabular and only 0.25 by 0.5 cm at their largest. K-spar and quartz are interstitial between the spodumene crystals. Quartz is roughly 40% of the samples and K-spar 20%. Muscovite is roughly 10% and is occurring as medium-grained, light green flakes within the spodumene pegmatite.	179633
1.55	2.52	Aplite/Spod Peg	Spod	Western 45 cm is spodumene pegmatite, 13 cm of which are aplite bands. Eastern 10 cm of spodumene pegmatite is K-spar rich, with quartz and spodumene. Rest is brownish aplite with one 3.5 cm band of greenish aplite. The spodumene is light green, well aligned and up to 0.5 cm wide and 4 cm long. The aplite has fine-grained green muscovite crystals, giving it an almost glittery appearance. The spodumene is blady to tabular in habit. The aplite is 40- 50% of the sample, spodumene 10% overall, quartz 25%, K-spar 10% and muscovite 5-10%. Trace blue, fine-grained apatites also seen within the spodumene peg.	179634

Channel Log CW-16-CH 5W					
2.52	3.62	Aplite/Spod Peg	Spod	Mostly brownish aplite with an 8 cm wide band of spodumene pegmatite about 9 cm from the east end of channel. Two more bands, 8 cm and 4 cm wide occur near the west end of the channel. The spodumene is light green, fairly aligned and about 2-3% has the dark green alteration rims. The crystals are blady and occur up to 0.5 cm wide by 3 cm long. The middle of the sample has a 6 cm wide band of intermediate pegmatite with 4% spodumene that is partly altered to dark green but still has white cores. Green muscovite is fine-grained throughout the aplite, giving it a glittery appearance. Trace blue apatites are occurring within the aplite as well. Spodumene is roughly 10% of the channel. K-spar and quartz also occur interstitially between the spodumene grains. K-spar is roughly 15% of the spodumene pegmatite sample.	179635
3.62	4.62	Aplite/Spod Peg/Intermediate Peg	Spod	45 cm from the west end is a 5 cm wide partly resorbed xenolith of metasediments then 8-12 cm of intermediate pegmatite and then another 8 cm wide xenolith of metasediment that is much more pristine than the previous one. 25 cm of spodumene pegmatite on west side of xenolith mixed with an aplite band. Roughly 30 cm of aplite east of xenolith. Spodumene is light green, blady, randomly oriented and roughly 2-3% of the sample. Fine-grained blue apatites occur within the aplite bands. There is a large 5 cm wide K-spar rich section in the intermediate pegmatite. Overall K-spar is 15% of the sample. K-spar is also occurring with quartz between the crystals of the spodumene within the spodumene pegmatite.	179636
4.62	6.04	Aplite/Spod Peg	Spod	Channel is mostly grey aplite with two 5 cm wide bands of spodumene pegmatite with 10-12% spodumene locally and 3% overall in the sample. One 5 cm band of coarse-grained K-spar, quartz and minor spodumene. Spodumene is mostly aligned and light green in colour. It is blady in habit and crystals are up to 2 cm long. The aplite has fine-grained blue apatites and fine-grained green muscovite disseminated within it. Visible K-spar is roughly 15% of the sample. Channel is 70% aplite.	179637
6.04	7.03	Metasediment		Metasedimentary with <1 cm thick quartz veins and 1 mm crystals of garnets, quartz and black needle-like crystals. Unable to determine exactly what they are, but could either be amphibole or biotite. Some bleaching aureoles around the quartz veins. 50% dark phase, 5-10% garnets and 40% white/grey phases. Contact is underwater at the sample but appears to be widely undulating and irregular with an azimuth of ~40-220 degrees.	179638
7.03	7.04	EOH		EOH	

Channel Log CW-16-CH-6

Company: Rock Tech Lithium
Property: Conway Pegmatite
Channel number: CW-16-CH-6
claim number: 3009087

Logger: Vittoria Smith, Harvey M. Buck
Start Date: 02-Nov-16
End Date: 02-Nov-16
Date logged: 11/16/16

collar coordinates:

easting 427268.06
northing 5477877.99
elevation 389.99
azimuth 89
dip 0
final length (m) 4.5

comments:

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	1.01	Metasediment/ Intermediate Peg		Massive metasediments composed of 50% black phase and 50% white/grey phases. A 5 cm thick band of light gray aplite cross cuts the sample, and there are fine grained blue apatites within the sample. There is also a 1-3 mm wide quartz and feldspar veinlet with no bleach aureoles, but there is a 1 cm wide altered zone at the pegmatite contact. One other quartz veinlet was seen on the corner of one of the samples, and it was <1 mm wide. 10-12 mm of mostly wall zone pegmatite within the sample; mostly K-spar and quartz with minor muscovite. The contact is slightly undulating at 185 degrees/dipping 65 degrees W.	179647
1.01	1.98	Spod Peg/Aplite	Spod	West end is 4 cm of grey aplite after 0.5 cm of wall zone. Rest is spodumene pegmatite with about 20% spodumene. Western 20 cm has 10% light green spodumene, half of the crystals have dark green alteration rim around them on the eastern side of the 20 cm. The western side has 2-3% mica pseudomorphs after spodumene. in the rest of the spodumene pegmatite, the spodumene is aligned, and the largest crystal is 0.5 cm wide and 3 cm long. They are generally occurring as blady to tabular crystals. K-spar is peachy coloured and tabular, roughly 30% of the sample. Muscovite is occurring in green little booklets within the spodumene pegmatite and as fine-grained muscovite within the aplite. Blue apatite crystals occur both within the spodumene pegmatite and the aplite. Spodumene is 10% overall within the sample.	179648
1.98	3.01	Spod Peg/Aplite	Spod/Black Oxides	Western 66 cm is aligned spodumene pegmatite with roughly 10-18% spodumene. 3-4% of the spodumene there is altered or rimmed with dark green alteration. Next is a 13 cm wide band of aplite with a few large (16 cm) Kspar crystals in the west half of the aplite. East of the aplite is spodumene pegmatite with 30% K-spar, 10% spodumene and another 2 cm wide aplite vein near the east end of the sample. The spodumene is 8-10% overall within the sample. Unaltered spodumene is light green in colour, bladed, and 0.25 cm thick and 1cm long with a few abnormally large needle-like crystals which are 0.25 cm thick and up to 5 cm long. Muscovite occurs as euhedral coarse-grained booklets which are light green in colour. There are trace black oxides and blue apatites within the sample.	179649
3.01	3.01	BLANK		BLANK	179650

Channel Log CW-16-CH-6					
3.01	3.51	Spod Peg/Aplite/Intermediate Peg	Spod/Black Oxides	Eastern 9 cm is intermediate pegmatite to the contact which is only exposed in the channel and then going west is 13 cm of spodumene pegmatite. The spodumene is light green and most crystals have the dark green alteration rim. The spodumene is aligned, bladed and 7% of the overall sample. The rest is mostly aplite with two or three, 2-3 cm bands of pegmatite within it. Some spodumene in aplite bands. The spodumene is bladed and the largest crystal is 0.5 cm thick and 7 cm long, however most are much smaller than that. The muscovite is occurring in fine-grained green books and there are trace black oxides within the samples.	179651
3.51	4.5	Metasediment/ Intermediate Peg		Massive metasediments cut by a 4 cm wide pegmatite with a 3 mm thick wall zone. Sediments are 50% dark phase and 50% white/grey phases. Pegmatite is mostly quartz and K-spar, no spodumene. Some thin <1 mm quartz veins crosscut the samples and have a thin alteration aureole around them.	179652
4.5	4.51	EOH		EOH	

Channel Log CW-16-CH 8N,W

Company: Rock Tech Lithium
Property: Conway Pegmatite
Channel number: CW-16-CH 8N,W
claim number: 3009087

Logger: Vittoria Smith, Harvey M. Buck
Start Date: 05-Nov-16
End Date: 05-Nov-16
Date logged: 11/16/16

collar coordinates:

easting 427487.86
northing 5478369.61
elevation 371.73
azimuth 128
dip 0
final length (m) 1.01

comments:

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	1.01	Metasediment /Intermediate Peg	Spod	Western 19 cm is grey pegmatite with 5% green mica pseudomorphs after spodumene, and a 4 cm band of greyish-brown aplite. Fine-grained blue apatites are disseminated within the aplite. The pegmatite is dominantly K-spar, grey quartz and spodumene. Some muscovite is occurring within the pegmatite as fine-grained silver flakes. There is an irregular contact with the metasediment that is dipping moderately to the westish. The metasediments are 60% dark phase and 40% white/grey phases. There are thin white veinlets within the metasediments, but also curcular patches of coarser grained mica and quartz. These patches are up to 3 cm wide at their largest.	179678
1.01	1.02	EOH		EOH	

Channel Log CW-16-CH-8N

Company: Rock Tech Lithium
Property: Conway Pegmatite
Channel number: CW-16-CH-8N
claim number: 3009087

Logger: Vittoria Smith, Harvey M. Buck
Start Date: 04-Nov-16
End Date: 05-Nov-16
Date logged: 11/16/16

collar coordinates:

easting 427483.19
northing 5478380.43
elevation 371.99
azimuth 140
dip 0
final length (m) 6.28

comments:

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	0.95	Metasediment		Massive metasediments with a few thin roughly 1-2 mm wide white quartz veinlets. On the western end there is a 7 cm portion which is coarser-grained than the rest. The contact is broadly undulating with a very rough strike at 228 degrees. The metasediments are 55% dark phase and 45% white and gray phases. Non-magnetic.	179672
0.95	2.05	Aplite/Intermediate Peg	Spod/Black Oxides	Western 10 cm is dark gray intermediate pegmatite, followed by mostly aplite until 10 cm from the eastern end where it is intermediate pegmatite again. The intermediate pegmatite has roughly 5% green mica pseudomorphs after spodumene, dark gray quartz, beige K-spar and fine-grained black oxides. The easternmost intermediate pegmatite has slightly more mica pseudomorphs (7%) than the western part, and the dominant mineralogy is essentially the same. The aplite is brown in colour with disseminated black oxides and fine-grained blue apatite. Muscovite occurs within the sample as little silvery books of muscovite.	179673
2.05	3.05	Aplite/Intermediate Peg	Spod/Black Oxides	West end has 23 cm of grey pegmatite with 4% green mica pseudomorphs after spodumene, the east end has 6 cm that was very broken up and not well sampled (in a low spot). Followed by 65 cm of greyish aplite with fine-grained black oxides and blue apatites in very trace amounts. There are 3 bands equalling up to 10 cm of slightly coarser aplitic material. There is 12 cm of grey pegmatite with beige K-spar, grey quartz, 20% light green mica pseudomorphs after spodumene and blue apatite. The spodumene is unaligned to partly aligned and light green, with some dark green alteration on the rims. The spodumene is between 2-3% of the overall sample.	179674
3.05	4.11	Spod Peg/Aplite	Spod/Black Oxides	2 cm from the eastern end is a 5 cm wide band of aplite which is greenish in colour. A second band of aplite between 3-5 cm wide occurs near the centre of the channel segment. The rest is spodumene pegmatite with poorly aligned light greenish gray crystals of spodumene and coarse crystals of creamy white K-spar (up to 3-4 cm long). Most of the spodumene has a dark green alteration rim (up to 1-2 mm wide) and only some are relatively unaltered. There is 4% green mica pseudomorphs after spodumene. There are fine-grained black oxides and blue apatites throughout the sample, however there are more concentrated within the aplite. The spodumene varies locally from 15-25%, while overall it is 17-18%.	179675

Channel Log CW-16-CH-8N					
4.11	5.15	Spod Peg/Aplite	Spod	The western 22 cm is a continuation of the spodumene pegmatite from the previous channel sample and is roughly 16% greyish-blue spodumene. The eastern 6-7 cm of this spodumene pegmatite is altered, some spodumenes only have rims but there are few crystals which are completely altered to dark green or black. The spodumene is generally well aligned. Then there is a 10 cm wide metasediment xenolith with 50% dark phase and 50% grey phases. There is a slight reaction rim along its contact with the pegmatite. The metasediment was also very crumbly. Then there was a 9 cm band of spodumene pegmatite, and the spodumene here was altered to dark green to black in colour. Following that there is a 19 cm wide band of brownish aplite with trace blue apatites and fine-grained muscovite. The rest of the sample is spodumene pegmatite with two bands of aplite, 2 cm wide and 4 cm wide, respectively. The spodumene in the eastern 15 cm of the sample is pervasively altered to dark green spodumene and there are green mica pseudomorphs of the spodumene. The spodumene is aligned, it is up to 20% locally within the channel, with the west side being a little more rich in spodumene and a little less altered. The sodumene is 6 - 8% of the overall sample.	179676
5.15	6.28		Spod	Sample has 1-2 cm of metasediment at the western end. The western 40 cm is aligned spodumene pegmatite. The westernmost 5 cm of the spodumene pegmatite has spodumene converted to dark green spodumene. The rest of the spodumene is a blueish-gray colour. The spodumene in these sections are up to 25 - 30% locally. This section also has blocky white K-spar up to 5 cm long, and is followed by 5 cm of brownish-gray aplite. At the eastern end there is also 6 cm of similar aplite then 14 cm of dark gray pegmatite with 12% green mica pseudomorphs of spodumene, that are partly aligned. The rest is intermediate pegmatite, with a 3 cm band of aplite. The spodumene in here is nearly all altered or pseudomorphed by light green muscovite, and there is roughly 25% of it. There is trace blue apatite seen throughout the samples and overall there is around 15% spodumene in the sample. Note added about 5 cm of pegmatite from the southeast end past the channel crosscut which almost gets the sample to the pegmatite contact.	179677
6.28	6.29	EOH		EOH	

Channel Log NAMACREEKSW-16-CH-01

Company: Rock Tech Lithium
Property: Nama Creek SW or Main Zone SW
Channel number: NS-16-CH-01 **Logger:** Harvey M. Buck
claim number: TB67177 **Start Date:** 20-Oct-16
 End Date: 20-Oct-16
 Date logged: 13-Nov-16

collar coordinates:

easting 424192.56
northing 5476876.24
elevation 367.52
azimuth 331 from southeast end of channel
dip 0
final length (m) 3.1

comments:

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	1.01	Metasediment		Massive metasediment with a few fractures exhibiting 1-3 mm of bleaching rimming them. Metasediment is composed of 50% light and 50% dark phases.	179517
1.01	2.1	Spod Peg/Intermediate Peg/Aplite	Spod	Contact at the southeast end is slightly undulating with a variable dip at approximately 225 degrees/dipping 70 degrees NW, southeast contact has 0-1 cm of metasediment, then 1 cm of wall zone, then 1 cm of aplite with a 4 cm wide light grey, fine to very fine-grained light grey aplite about 1/3 of the way from the southeast side or ~28 cm with about 18-20% light green mica, the pegmatite between the aplite bands is intermediate peg to spodumene pegmatite and has about 12% light green mica pseudomorphs after spodumene that reach 12 cm long, are blady and are aligned, associated with 35% white K-spar, about 2% green mica books with the remainder being grey quartz, the rest of the sample to the northwest side is spodumene pegmatite, the southeastern most 20 cm have most of the spodumene pseudomorphed by light green mica with a small percent being dark green altered spodumene, the spodumene in the rest of the zone is either green altered spodumene, greenish-white spodumene or light green mica pseudomorphs after spodumene in about the same proportions, the spodumene is blady, aligned to partly aligned (as seen on the surface also), comprises about 12-14% of the zone for 12% spodumene overall in the sample, and the spodumene is associated with 25-30% white K-spar, 5% green medium-grained mica books with the remainder being grey quartz.	179518
2.1	3.1	Metasediment		At the southeast end, 0-3 cm of pegmatite at the contact, 1.0 cm of which is the weakly comb structure wall zone and the remainder is intermediate pegmatite, the contact appears to be irregular, the rest of the sample is massive metasediment with some bleaching at a 2-3 cm thick folded quartz veinlet. Metasediment is composed of 30% light, 35% grey and 35% dark phases.	179519
3.1	3.1	BLANK		BLANK	179520
3.1	3.11	EOH		EOH	

Channel Log NAMACREEKSW-16-CH-01N

Company: Rock Tech Lithium
Property: Nama Creek SW or Main Zone SW
Channel number: NS-16-CH-01N **Logger:** Harvey M. Buck
claim number: TB67177 **Start Date:** 20-Oct-16
End Date: 20-Oct-16
Date logged: 11/13/2016, 11/14/2016

collar coordinates:
easting 424193.99
northing 5476880.81
elevation 368.12
azimuth 334 from southeast end of channel
dip 0
final length (m) 2.92

comments: Channel is located 1.80 m north of channel NS-16-CH-01 and approximately 13 cm to the west

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	0.23	Intermediate Peg/Metasediment	Spod	Sample is 16 cm wide pegmatite dyke with 0.5 to 1 cm wide wall zone at both ends of the dyke and a 1 cm wide grey very fine-grained aplite in the middle, the rest is intermediate pegmatite with 5-6% light green mica pseudomorphs after spodumene that were blady, appear to be non aligned and reach 3 cm long associated with 4% medium-grained green mica books, there is 3-6 cm of metasediment on the southeast side with the contact at 245 degrees/dipping 65 degrees and 0-3 cm of metasediment on the northwest side. Metasediment is composed of ~35% light and ~65% dark phases.	179521
0.23	1.05	Metasediment		0-1 cm of pegmatite at the southeast end, the rest is massive metasediment with bleaching at fractures, two 1 mm to 0.5 cm quartz veinlets. Metasediment is composed of 40% light and 60% dark phases.	179522
1.05	1.87	Intermediate Peg/Spod Peg/Aplite	Spod/Black Oxides	0-1 cm of metasediment on the southeast side which was a very irregular contact, followed by 0.5 cm of poorly developed comb structure wall zone, which is followed by 1 cm of grey very fine-grained aplite, the next 44 cm of sample is intermediate pegmatite with about 5-6% light green poorly developed and non aligned to partly aligned mica pseudomorphs after spodumene that reach 4 cm long, associated with trace mm sized rectangular black oxides to 0.5 mm with radiation halos, about 30% white K-feldspar, 4% green medium-grained mica books and lots of grey quartz, the centre of the sample is a 5 cm wide very fine-grained aplite with about 15% light green mica, the northwestern 30 cm is spodumene pegmatite with 14% spodumene, for the 25 cm on the southeast side the spodumene occurs as either greenish-white spodumene or slightly subordinately dark green to black altered spodumene that is predominately aligned, blady and reaches 5.5 cm in length, the northwestern 6 cm has all the spodumene altered to light green mica pseudomorphs after spodumene that are much better developed than the pseudomorphs on the southeast side of the aplite, associated with 35% white K-feldspar, grey quartz, a few percent green medium-grained mica books and trace <1 mm squarish black oxides with radiation damage. Overall the spodumene is probably about 9% in the sample.	179523
1.87	2.92	Metasediment		0-4 cm of pegmatite at the southeast end of the sample which has 0.5 cm of poorly developed comb structure wall zone and the rest of the pegmatite having a few light green mica pseudomorphs after spodumene like the adjacent sample, the rest of the sample is massive metasediment with bleaching along fractures and a single 2 cm wide vein of aplite. Metasediment is composed of ~25% light, 40% greenish-grey and 35% dark phases.	179524
2.92	2.93	EOH		EOH	

Channel Log NAMACREEKSW-16-CH-02

Company: Rock Tech Lithium
Property: Nama Creek SW or Main Zone SW
Channel number: NS-16-CH-02 **Logger:** Harvey M. Buck
claim number: TB67177 **Start Date:** 21-Oct-16
 End Date: 21-Oct-16
collar coordinates: **Date logged:** 18-Nov-16

easting 424192.99
northing 5476876.81
elevation 368.12
azimuth 325 From the southeast end of the channel
dip 0
final length (m) 2.02

comments: Channel is located 77 cm west of channel NS-16-CH-02S and comprises two samples, the first sample is assumed to be 1 m long

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	1	Spod Peg/Metasediment/Aplite/Wall Zone	Spod	The south end is the slightly undulating pegmatite contact at 240 degrees/dipping 64 degrees NW, at the north end is 0.5 cm of metasediment and there is 4 cm of a metasedimentary xenolith ~15 cm from the north end, the south side of the sample and the contact of the xenolith, have a 0.3-0.5 cm wide wall zone, there is an irregular 2 cm wide by 5 cm long patch to band of brownish-grey very fine-grained aplite with 2-3% flaky brownish mica, the rest of the pegmatite is spodumene pegmatite with blady, partly aligned spodumene comprising 6-10% of the sample, generally as light greenish mica pseudomorphs after spodumene with a few cm scale patches where the spodumene is dark green to black and altered and one 5 cm wide patch where the spodumene was still greenish-white and slightly altered, spodumene reaches about 3.5 cm in length, associated with 2-5% green medium-grained mica books, 45-50% white to beige K-spar and grey quartz.	179541
1	2.02	Metasediment /Intermediate Peg/Wall Zone		0-8 cm wide section of pegmatite at the south end with 1 cm of comb structure wall zone at the contact, the rest of the intermediate pegmatite may have a few % light green mica pseudomorphs after spodumene but they are not well defined, the sample also has 2 pegmatite dykes that are 7 and 8 cm thick, one in the centre of the channel and one 1/4 of the way from the north end, the rest is massive metasediment with a few 1-3 mm white quartz veinlets. Metasediment is composed of ~40% light, 25% grey and ~35% dark phases.	179542
2.02	2.03	EOH		EOH	

Channel Log NAMACREEKSW-16-CH-02S

Company: Rock Tech Lithium
Property: Nama Creek SW or Main Zone SW
Channel number: NS-16-CH-02S **Logger:** Harvey M. Buck
claim number: TB67177 **Start Date:** 21-Oct-16
End Date: 21-Oct-16
collar coordinates: **Date logged:** 18-Nov-16

easting 424193.53
northing 5476874.81
elevation 368.12
azimuth 322 From the southeast end of the channel
dip 0
final length (m) 1

comments: Channel is a single sample located 77 cm east of channel NS-16-CH-02 on the south side

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	1	Metasediment		Massive metasediment that is very rusty on fractures. Metasediment is composed of 35% light, 40% grey and 25% dark phases.	179539
1	1	BLANK		BLANK	179540
1	1.01	EOH		EOH	

Channel Log NAMACREEKSW-16-CH-03

Company: Rock Tech Lithium
Property: Nama Creek SW or Main Zone SW
Channel number: NS-16-CH-03 **Logger:** Harvey M. Buck
claim number: TB67132 **Start Date:** 21-Oct-16
End Date: 21-Oct-16
Date logged: 21-Nov-16

collar coordinates:
easting 424336.93
northing 5476998.62
elevation 369.37
azimuth 306 From the southeast end of the channel
dip 0
final length (m) 2.97

comments: Channel is composed of 4 samples, but the southern one (metasediment cutoff) is over 1 m deep in flooded part of the trench and was not sampled as a result, the first sample was at the south end of the pegmatite.

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	0.95	Spod Peg/K-spar + Quartz Peg/Aplite	Spod	Channel is ~ half on dry land with the southern half underwater on part of the outcrop that is displaced south about 15 cm but fits into the outcrop and this boulder has the contact of the pegmatite with metasediment beneath it, a 3.5 cm wide fine-grained grey aplite band with 15% green mica and a few blady spodumene crystals penetrating it is located 26 cm from the north end, about 30 cm of K-spar + quartz + spodumene pegmatite in two spots, 20 cm at the start of the displaced boulder and for 16 cm at the north end of the sample in the top of the channel, K-spar is about 65% with crystals reaching at least 10 cm, blady spodumene about 5% here, associated with grey quartz and a few % green medium-grained mica books, the rest is spodumene pegmatite with 12-20% blady, aligned on surface and in section, dominantly greenish-white spodumene but with minor dark green altered spodumene and subordinant dark green alteration rimming or partly rimming the spodumene, they reach at least 8 cm long, are associated with 35% K-spar, grey quartz, and 2% green medium-grained mica books, spodumene about 9-10% overall in the sample.	179553
0.95	1.96	Spod Peg/Aplite/K-spar + Quartz Peg	Spod	Sample has 16 cm of fine-grained grey to brownish-grey aplite with about 5-10% greenish mica, trace anhedral blue apatite, and occasional spodumene crystals extending into the aplite, found in two bands and one patch, the southern 12 cm is K-spar + quartz + spodumene pegmatite with 5% spodumene and the rest is spodumene pegmatite with 16-20% spodumene as blady, partly aligned, dominantly greenish-white spodumene and subordinantly greenish-white spodumene cores with dark green altered rims, reaching 10 cm by 2 cm wide, associated with about 35% white to beige K-spar, grey quartz, and 1% green mica books, spodumene about 13% overall in the sample.	179554
1.96	2.97	Spod Peg/K-spar + Quartz Peg/Aplite	Spod/Black Oxides	South end is 20 cm of K-spar + quartz + spodumene pegmatite with 4% blocky spodumene and 1.5 cm from the south end on one side of the sample is a 3.5 cm wide very fine-grained grey to brownish-grey aplite (also a few small aplite patches) with 10% green mica, trace orange garnet and trace small black oxides, the northern most 6 cm is intermediate pegmatite, the rest of the sample is spodumene pegmatite with 10 to mostly about 18% blady, partly aligned, generally greenish-white to white spodumene, occasionally partly rimmed to totally rimmed dark green alteration of spodumene, the northernmost 3 cm of the spodumene pegmatite has all the spodumene altered to dark green spodumene, spodumene reaches 11 cm long, and overall is about 13-14% of the sample, centered about 40 cm from the north end is a ~10 cm wide section with 1% black rectangular black oxides to 2 mm wide, spodumene pegmatite has about 30% beige K-spar, grey quartz and 1-2% green mica books.	179555
2.97	2.98	EOH		EOH	

Channel Log NAMACREEKSW-16-CH-03N

Company: Rock Tech Lithium
Property: Nama Creek SW or Main Zone SW
Channel numb NS-16-CH-03N **Logger:** Harvey M. Buck
claim number: TB67132 **Start Date:** 21-Oct-16
 End Date: 21-Oct-16
 Date logged: 21-Nov-16

collar coordinates:
easting 424333.75
northing 5477001.23
elevation 369.98
azimuth 330 From the southeast end of the channel
dip 0
final length (m) 1

comments: Channel is located 3.13 m to the west of the north end of channel NS-16-CH-03 and is assumed to be 1 m long

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	1	Metasediment		Massive metasediment with thin bleaching on some fracture traces and moderately rusty on most fractures. Metasediment is composed of 30% light, 50% grey and 20% darker phases.	179556
1	1.01			EOH	

Channel Log NAMACREEKSW-CH-11-01A-16Ex

Company: Rock Tech Lithium
Property: Nama Creek SW or Main Zone SW
Channel number: NS-CH-11-01A-16Ex **Logger:** Harvey M. Buck
claim number: TB17132 **Start Date:** 20-Oct-16
End Date: 22-Oct-16
Date logged: 14-Nov-16

collar coordinates:

easting 424218
northing 5476891
elevation 383
azimuth 277 from the east end of channel
dip 0
final length (m) 1.45

comments: The channel is an extension on the west side of channel NS-CH-11-01A

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	1.45	Spod Peg	Spod	Sample added to the west end of channel NS-CH-11-01A. Sample has about 5 cm of metasediment (metavolcanic??) at the west end of the sample, about 9 cm of the pegmatite was not sampled at a low notch in the pegmatite, the rest appears to be all spodumene pegmatite with about 12% spodumene throughout the spodumene pegmatite with the spodumene as blady, partly aligned on surface and in section greenish-white to subordinately dark green to black altered spodumene (altered spodumene generally near the middle of the sample) to dark green rimed (west side of sample) spodumene that reach 5 cm long with others up to two cm wide, associated usually with about 25% white K-spar with some cm scale patches to 40% White K-spar (10 cm worth over the sample), 3% green medium-grained mica books and most of the rest being grey quartz, spodumene was about 10% overall in the sample. This sample is the south side duplicate of 179526.	179525
0	1.45	Spod Peg	Spod	Sample added to the west end of channel NS-CH-11-01A. Sample has about 15 cm of metasediment (metavolcanic??) at the west end of the sample mixed with some pegmatite on the south side, about 9 cm of the pegmatite was not sampled at a low notch in the pegmatite, the rest appears to be all spodumene pegmatite with about 12% spodumene throughout the spodumene pegmatite with the spodumene as blady, partly aligned on surface and in section greenish-white to subordinately dark green to black altered spodumene (altered spodumene generally near the middle of the sample) to dark green rimed (west side of sample) spodumene that reach 5 cm long with others up to two cm wide, associated usually with about 25% white K-spar with some cm scale patches to 40% K-spar (10 cm worth over the sample), 3% green medium-grained mica books and most of the rest being grey quartz, spodumene was about 9% overall in the sample. This sample is the north side duplicate of 179525.	179526, duplicate
1.45	1.46	EOH		EOH	

Channel Log NAMACREEKSW-CH-11-01B-16Ex

Company: Rock Tech Lithium
Property: Nama Creek SW or Main Zone SW
Channel number: NS-CH-11-01B-16Ex **Logger:** Harvey M. Buck
claim number: TB67132 **Start Date:** 20-Oct-16
 End Date: 20-Oct-16
 Date logged: 15-Nov-16

collar coordinates:
easting 424218.2
northing 5476893.5
elevation 383
azimuth 277 from the east end of channel
dip 0
final length (m) 1.03

comments: Note Azimuth given is approximate from the channel beside it, this is a stand alone channel that was called NS-CH-11-01B-16Ex due to the proximity to NS-CH-11-01A-16Ex, it is 86 cm to the north of NS-CH-11-01A-16Ex.

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	1.03	Spod peg/ metasediments		There is 20 cm of pegmatite on the east end, the same that was sampled in samples 179526 and 179527, the contact is very irregular, the rest of the sample is massive metasediment except for a 3 cm wide pegmatite vein that crosscuts the metasediment a third of the way from the east end and near the west end is a 4 cm wide pegmatite vein that crosscuts the metasediment on an angle leaving 5.5 cm of pegmatite in the side of the channel. Metasediment is composed of ~25% light and ~75% dark phases.	179527
1.03	1.04	EOH		EOH	

Channel Log NAMACREEKSW-CH-11-02-16Ex

Company: Rock Tech Lithium
Property: Nama Creek SW or Main Zone SW
Channel numb NS-CH-11-02-16Ex **Logger:** Harvey M. Buck
claim number: TB67132 **Start Date:** 20-Oct-16
End Date: 20-Oct-16
Date logged: 15-Nov-16

collar coordinates:
easting 424256.42
northing 5476934
elevation 372.92
azimuth 332 From the southeast end of the channel
dip 0
final length (m) 2.65

comments: Channel is the northern extension of channel NS-CH-11-02 and is comprised of three samples, the north end of the channel is 85 cm west of the southern end of NS-CH-11-02A

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	1.33	Metasediment		The southeast end of the sample is comprised of 0-1.5 cm of pegmatite, with the rest of the sample being massive metasediment except for a 1.5 cm wide pegmatite vein located 10 cm from the northwest end of the sample. Metasediment is composed of ~40% light and ~40% dark phases with up to 10% (variable in sample) acicular dark greenish needles that might be amphibole??.	179529
1.33	1.33	HIGH STANDARD		HIGH STANDARD	179530
1.33	1.55	Intermediate Peg/Aplite	Spod	A 20 cm wide small crosscutting pegmatite dyke in the metasediment, the southeast end has 1 cm of metasediment, the northwest end has 0-3 mm of metasediment, both contacts have 0.5 cm of comb structure wall zone, the pegmatite is intermediate pegmatite with 3 bands of very fine-grained grey aplite with 15 to 20% green flaky mica, the rest has 25-35% medium-grained K-feldspar, lots of grey quartz, 2-3% green medium-grained mica books, there is about 7% light green flaky mica that is probably pseudomorphed after spodumene, which appear partly aligned and reach 2 cm long and trace anhedral orange garnet to 8 mm wide.	179531
1.55	2.65	Metasediment		Massive metasediment with 0 to 1 cm of pegmatite at the southeast end in which most of the pegmatite is comb structure wall zone. Metasediment is composed of 55% light and 45% dark phases.	179532
2.65	2.66	EOH		EOH	

Channel Log NAMACREEKSW-CH-11-02A-16Ex

Company: Rock Tech Lithium
Property: Nama Creek SW or Main Zone SW
Channel numb NS-CH-11-02A-16Ex **Logger:** Harvey M. Buck
claim number: TB17132 **Start Date:** 21-Oct-16
End Date: 21-Oct-16
Date logged: 11/15/2016, 11/18/2016

collar coordinates:
easting 424256.42
northing 5476923.24
elevation 372.92
azimuth 292 From the south end of the channel
dip 0
final length (m) 3.89

comments: Channel is the northern extension of channel NS-CH-11-02A and is comprised of four samples

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	0.65	Spod Peg/Aplite	Spod	Pegmatite sample is on the face of a cliff dipping approximately 70 degrees, there is a 2-3 cm wide very fine-grained greenish-grey aplite with 20% light green mica flakes in the middle of the channel parallel to the surface, the aplite runs most of the length of the sample and comprises about 25% of the sample, the rest is spodumene pegmatite with about 14% aligned, blady spodumene that is rarely pristine white, but is dominantly greenish-white to rarely dark green altered spodumene or occasionally as green mica pseudomorphs after spodumene, spodumene reaches at least 2 cm long and is associated with 40% beige K-spar, 2% green medium to coarse-grained mica books, and lots of grey quartz.	179533
0.65	1.73	Spod Peg/Aplite	Spod	The southern 65 cm of sample are on a cliff and dip 70 degrees north, then there is a corner with 3-4 cm of channel that is poorly sampled, then sample becomes ~horizontal, The verticle part of the sample has a 1-3 cm wide very fine-grained greenish-grey aplite with 20% light green mica (65 cm worth) which is a continuation of the aplite band from the previous sample, the rest appears to be spodumene pegmatite, this zone at the surface above the aplite has spodumene as pseudomorphs after mica to 5%, below the aplite and continuing to the north the spodumene is about 10-12%, is blady, appears to be aligned and is composed of subordinately greenish to greenish-white spodumene and more dominantly as dark greenish altered spodumene reaching at least 4 cm long, or as light greenish flaky mica pseudomorphs after spodumene, associated with 25 to 35% white to beige K-spar and grey quartz. Spodumene is probably no more than 5-6% overall in the sample.	179534
1.73	2.76	Spod Peg	Spod	Parts of the middle of this sample are shallow cut because of the shape of the outcrop, there is a 6 cm wide piece of metasediment which is the tip of one end of a small metasedimentary xenolith, the rest is spodumene pegmatite, the south side of the sample has lots of white K-spar for about 35 cm and the spodumene associated with it is usually altered to dark green spodumene or sometimes as light green to yellowish mica pseudomorphs after spodumene, all of these are blady, are partly aligned and can reach 5 cm long and are 8-10% of the section, to the north the spodumene is still mostly blady but is sometimes acicular, it is poorly to non aligned, greenish-white, reaches 9 cm long, can be 2 cm wide and comprises about 10% of the section, for spodumene of about 9% overall in the sample, K-spar in the north is about 30-35% and to the south is about 50%, associated with grey quartz. The contact at the north end is irregular and poorly exposed.	179535
2.76	3.89	Metasediment		South side is offset 4 cm from the previous sample, massive metasediment with about 6-7 cm of pegmatite (which may have a few percent mica pseudomorphs after spodumene) crosscutting the channel. Metasediment is composed of 50% light, 30% grey and 20% dark phases.	179536
3.89	3.9	EOH		EOH	

Channel Log NAMACREEKSW-CH-11-02B-16Ex

Company: Rock Tech Lithium
Property: Nama Creek SW or Main Zone SW
Channel number: NS-CH-11-02B-16Ex **Logger:** Harvey M. Buck
claim number: TB17132 **Start Date:** 20-Oct-16
End Date: 20-Oct-16
Date logged: 15-Nov-16

collar coordinates:

easting 424253.29
northing 5476920.4
elevation 372.92
azimuth 329 from the east end of channel
dip 0
final length (m) 0.97

comments: Single sample channel to take a metasedimentary cutoff, located 65 cm east and 20 cm south of the south end of channel NS-CH-11-02

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	0.97	Metasediment		Massive metasediment with 1-2 mm of bleaching along fractures, north contact appears to be representative and is slightly undulating at 233 degrees/dipping 67 degrees NW, metasediment has a single 0.5 cm wide quartz-feldspar veinlet. Metasediment is composed of 40% light, 35% grey and and 25% dark phases.	179528
0.97	0.98	EOH		EOH	

Channel Log NAMACREEKSW-CH-11-04-16Ex

Company: Rock Tech Lithium
Property: Nama Creek SW or Main Zone SW
Channel number: NS-CH-11-04-16Ex **Logger:** Harvey M. Buck
claim number: TB67132 **Start Date:** 21-Oct-16
End Date: 21-Oct-16
Date logged: 18-Nov-16

collar coordinates:

easting 424295.12
northing 5476949.86
elevation 371
azimuth 328 From the southeast end of the channel
dip 0
final length (m) 1.13

comments: Channel is the southern extension of channel NS-CH-11-04 and is comprised of one sample taken between two half m wide pegmatite dykes.

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	1.13	Metasediment /Spod Peg	Spod	Massive metasediment with rusty fractures is located between two 0.5 m wide pegmatite dykes, at the north end is a 10 cm wide section of spodumene pegmatite with 6% dark green to black altered spodumene or subordinately green mica pseudomorphs after spodumene that are aligned and reach 3 cm long, though the channel cut is aligned, the sample misses joining up with the south end of NS-CH-11-04 by 15 cm. Metasediment is composed of ~55% light and ~45% darker phases.	179538
1.13	1.14	EOH		EOH	

Channel Log NAMACREEKSW-CH-11-04S-16Ex

Company: Rock Tech Lithium
Property: Nama Creek SW or Main Zone SW
Channel number: NS-CH-11-04S-16Ex **Logger:** Harvey M. Buck
claim number: TB17132 **Start Date:** 21-Oct-16
End Date: 21-Oct-16
Date logged: 18-Nov-16

collar coordinates:

easting 424295.12
northing 5476947.66
elevation 371
azimuth 329 From the southeast end of the channel
dip 0
final length (m) 1.13

comments: Channel is located 1.3 m east of the new end of old channel NS-CH-11-04 which was extended ~ 1m south by sample 179538 and it is attached to a single pegmatite sample that was possibly 880178.

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	1.13	Metasediment		2.5 cm of pegmatite at the north end of the sample which includes 0.5 cm of comb structure wall zone, there is a 5 cm wide barren grey quartz vein at the centre of the sample and a few 1-2 mm wide quartz veinlets, the rest is massive metasediment with rusty fracture surfaces. Metasediment is composed of ~55% light and ~45% darker phases.	179537
1.13	1.14	EOH		EOH	

Channel Log NAMACREEKSW-CH-11-05-16Ex

Company: Rock Tech Lithium
Property: Nama Creek SW or Main Zone SW
Channel number: NS-CH-11-05-16Ex **Logger:** Harvey M. Buck
claim number: TB17132 **Start Date:** 21-Oct-16
End Date: 21-Oct-16
collar coordinates: **Date logged:** 20-Nov-16

easting 424312.5
northing 5476968.85
elevation 368.77
azimuth 326 From the southeast end of the channel
dip 0
final length (m) 1

comments: Channel is a single sample added to the south of channel NS-CH-11-05

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	1	Metasediment /Int Peg	Spod	Massive metasediment that is moderately rusty on fractures, with 11 to 13 cm of intermediate pegmatite at the north end which has about 6% light green mica pseudomorphs after spodumene that reach 3 cm long and appear to be blady and partly to mostly aligned, associated with rare orange subhedral garnets to 2 mm wide, contact is slightly undulating but representative at 214 degrees/dipping 64 degrees NW. Metasediment is composed of 50% light, and 50% darker phases.	179543
1	1.01			EOH	

Channel Log NAMACREEKSW-CH-11-05N-16Ex

Company: Rock Tech Lithium
Property: Nama Creek SW or Main Zone SW
Channel number: NS-CH-11-05N-16Ex **Logger:** Harvey M. Buck
claim number: TB17132 **Start Date:** 21-Oct-16
End Date: 21-Oct-16
collar coordinates: **Date logged:** 20-Nov-16

easting 424307.8
northing 5476971.93
elevation 369
azimuth 328 From the southeast end of the channel
dip 0
final length (m) 1.01

comments: Channel is a single sample added to the north of channel NS-CH-11-05, but it is displaced 45 cm to the west

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	1.01	Metasediment		Massive metasediment with a 1.3 cm wide medium-grained quartz-feldspar dyke crosscutting the metasediment 1/3 of the way from the north end, with a few thin quartz veinlets with a few mm of bleaching and the metasediment is very rusty on fractures. Contact at north end of the sample is the face of the pegmatite which is at 235 degrees/dipping 65 degrees NW. Metasediment is composed of 35-40% light, and 60-65% darker phases.	179544
1.01	1.02			EOH	

Channel Log NAMACREEKSW-CH-11-06-16Ex

Company: Rock Tech Lithium
Property: Nama Creek SW or Main Zone SW
Channel number: NS-CH-11-06-16Ex **Logger:** Harvey M. Buck
claim number: TB17132 **Start Date:** 21-Oct-16
End Date: 22-Oct-16
Date logged: 20-Nov-16

collar coordinates:

easting 424305.14
northing 5476979.8
elevation 369.86
azimuth 324 From the southeast end of the channel
dip 0
final length (m) 1.15

comments: Channel is a single sample added to the south of channel NS-CH-11-06, and has a duplicate sample

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	1.15	Metasediment		North end is the contact with the pegmatite that is slightly undulating but representative at 225 degrees/dipping 61 degrees NW, there is 2-3 cm of intermediate pegmatite at the contact which has 0.5 cm of comb structure wall zone, the rest is massive metasediment that is very rusty on fractures, has a 3 mm wide quartz veinlet, sample is missing a 5 cm section about 1/3 of the way from the southeast end due to a dip in the outcrop. Metasediment is composed of 35% light, 40% grey and 25% dark phases. Sample is a duplicate of 179546.	179545
0	1.15	Metasediment		North end is the contact with the pegmatite that is slightly undulating but representative at 225 degrees/dipping 61 degrees NW, there is 1-5 cm of intermediate pegmatite at the contact which has 0.5-1 cm of comb structure wall zone, the rest is massive metasediment that is very rusty on fractures, has a 3 mm wide quartz veinlet, sample is missing a 5 cm section about 1/3 of the way from the southeast end due to a dip in the outcrop. Metasediment is composed of 35% light, 40% grey and 25% dark phases. Sample is a duplicate of 179545.	179546
1.15	1.16	EOH		EOH	

Channel Log NAMACREEKSW-CH-11-06A-16Ex

Company: Rock Tech Lithium
Property: Nama Creek SW or Main Zone SW
Channel number: NS-CH-11-06A-16Ex **Logger:** Harvey M. Buck
claim number: TB17132 **Start Date:** 21-Oct-16
End Date: 21-Oct-16
Date logged: 20-Nov-16

collar coordinates:
easting 424310.95
northing 5476979.65
elevation 378
azimuth 302 From the southeast end of the channel
dip 0
final length (m) 0.61

comments: Channel is a single sample added to the south end of channel NS-CH-11-06A and the sample is at a different Azimuth to properly represent the pegmatite between the contact with the metasediment and the old channel.

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	0.61	Spod Peg/Aplite	Spod/Black Oxides	Sample is dipping moderately to the southeast, 5 cm wide fine-grained light grey aplite with trace subhedral orange garnet to 3 mm wide and about 10% green flaky mica 15 cm from the southeastern end of the sample, Northwest of the aplite is spodumene pegmatite with blady, mostly aligned, greenish white (rarely with incomplete dark green alteration in spots of the rim) spodumene that reaches 10 cm long and 10-15% of the pegmatite, associated with 35% white to beige K-spar, rare anhedral orange garnet to 4 mm wide, 4% green medium-grained mica books and grey quartz, southeast of the aplite the spodumene is about 6%, most of the greenish-white spodumene is rimmed by dark green alteration and within 7 cm of the contact the spodumene is all dark green, has rare pinkish-orange subhedral garnets to 6 mm wide throughout this section, trace anhedral blue apatite and super trace black very small oxides with radiation damage in the pegmatite, sample has 8-9% overall spodumene in the sample.	179547
0.61	0.62	EOH		EOH	

Channel Log NAMACREEKSW-CH-11-06A,N-16Ex

Company: Rock Tech Lithium
Property: Nama Creek SW or Main Zone SW
Channel number: NS-CH-11-06A,N-16Ex **Logger:** Harvey M. Buck
claim number: TB17132 **Start Date:** 21-Oct-16
End Date: 10/21/2016, 10/22/2016
collar coordinates: **Date logged:** 21-Nov-16
eastng 424309
northng 5476981
elevation 378
azimuth 310 From the southeast end of the channel
dip 65
final length (m) 2.91

comments: Channel has 4 samples added to the north end of channel NS-CH-11-06A

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	0.66	Intermediate Peg/ Metasediment /Aplite/ Wall Zone	Spod	Sample is dipping about 65 degrees to the northwest, massive metasedimentary xenolith is 28 cm long by 8.5 cm high and comprises at least 1/3 of the sample near the northwest end of the channel, it is rimmed by about 0.4 cm of poorly defined wall zone, at the south end of the sample there is a 5 cm wide fine to very fine-grained light grey aplite band with rare anhedral orange garnet to 1 mm and a few % mica flakes, the rest of the sample is intermediate pegmatite/spodumene pegmatite with 35% white K-spar, grey quartz, a few % medium-grained green mica books, maybe 8% flakey brownish to light greenish mica pseudomorphs after spodumene, that were probably blady, appear to be aligned and reached 3 cm long, maybe 3-4% spodumene overall in the sample.	179548
0.66	1.54	Intermediate Peg/Aplite/Wa ll Zone	Spod	Sample is dipping about 65 degrees to the northwest, near the middle is a 16 cm wide barren grey quartz vein that cuts the sample on an angle and has long blady books of mica that may be pseudomorphs of spodumene at the outside of the vein or mica growing at the contact of the quartz vein, to the south of the vein there is 24 cm of 1 cm thick comb structure wall zone as the surface is the pegmatite contact, parallel to the wall zone are two to sometimes three, 1-3 cm wide very fine-grained light grey aplite bands with rare subhedral orange garnets and 5% light green mica books, these bands are in intermediate pegmatite/spodumene peg with 12% light green blady, aligned mica pseudomorphs that reach 5 cm long, to the north of the vein the sample is intermediate pegmatite/spodumene pegmatite with 12-14% spodumene subordinantly as dark green to black altered spodumene and as dominantly light green mica ppseudomorphs after spodumene, very rarely as greenish-white spodumene rimmed by dark green altered spodumene, spodumene was blady, aligned roughly perpindicular to the contact, and reached at least 5 cm long, spodumene is associated with 20-25% white K-feldspar with occasional blocky K-spars to 4 cm long, lots of grey quartz, and a few % green medium-grained mica books, spodumene is about 8% overall in the sample.	179549
1.54	1.54	LOW STANDARD		LOW STANDARD	179550

Channel Log NAMACREEKSW-CH-11-06A,N-16Ex					
1.54	2.09	Intermediate Peg/Aplite/Wall Zone	Spod	Sample is dipping about 65 degrees to the northwest, the northernmost 5 cm were not sampled due to the change in slope of the channel, the whole length of the sample has a 1 cm thick comb structure (composed of grey quartz, white K-spar, and grey mica books) wall zone as the surface is the pegmatite contact and has a very thin black border zone in places, the contact is exposed along the side of the trench and is sharp, slightly undulating and is at 219 degrees/dipping 61 degrees NW, parallel to the wall zone (first is in direct contact) are two 3 and 1 cm wide very fine-grained light grey aplite bands with trace subhedral orange garnets and 10% light green mica books, these bands are in intermediate pegmatite/spodumene pegmatite with 10-12% light green, blady, aligned roughly perpendicular to the contact, mica pseudomorphs after spodumene that reach 5 cm long, associated with light orange subhedral garnets to 4 mm wide, 30% white K-spar, 2% green medium-grained mica books and lots of grey quartz, spodumene probably 5% overall in the sample.	179551
2.09	2.91	Metasediment		At the south end, 12 cm of metasediment is missing due to the shape of the channel, the rest is massive metasediment with one 3 mm wide white quartz veinlet. Metasediment is composed of 45% light, and 55% darker phases.	179552
2.91	2.92	EOH		EOH	

Channel Log NAMACREEKSW-CH-11-07-16Ex

Company: Rock Tech Lithium
Property: Nama Creek SW or Main Zone SW
Channel number: NS-CH-11-07-16Ex **Logger:** Harvey M. Buck
claim number: TB17132 **Start Date:** 21-Oct-16
End Date: 21-Oct-16
Date logged: 21-Nov-16

collar coordinates:
easting 424327.11
northing 5476999.86
elevation 371.8
azimuth 312 From the southeast end of the channel
dip 0
final length (m) 1.06

comments: Channel is located 0.54 m to the south of the south end of channel NS-CH-11-07 and is lined up with the previous channel, the uncut section was on a steep cliff and represents 10-15 cm of true pegmatite length, the azimuth was not taken but is the same as the original channel.

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	1.06	Metasediment /Intermediate Peg		1 to 8 cm of intermediate pegmatite at the north contact which has 0.5 cm of poorly developed comb structure wall zone followed by 1-2 cm of grey very fine-grained aplite with 1% subhedral pinkish-orange garnet to 1 mm and 15% mica flakes, contact is slightly undulating at 238 degrees/dipping 65 degrees NE, also a 5 cm wide pegmatite dyke crosscutting the sample with 4 mm thick wall zones with the rest being intermediate pegmatite, the rest of the sample is massive metasediment. Metasediment is composed of 50% light, and 50% darker phases.	179557
1.06	1.07			EOH	

Channel Log HARRICANA-16-CH-1

Company: Rock Tech Lithium
Property: Harricana
Channel number: HARRICANA-16-CH-1
claim number: TB67176
Logger: Harvey M. Buck
Start Date: 22-Sep-16
End Date: 22-Sep-16
Date logged: 28-Sep-16

collar coordinates:

easting 425892.379
northing 5477137.118
elevation 398.428
azimuth 47 from southwest end of channel
dip 0
final length (m) 6.7

comments:

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	1.01	Metasediment		Massive metasediment with bleaching along fractures and metasedimentis crosscut at an angle by an 8 cm wide pegmatite dyke coming off the main pegmatite, and having 21 cm of dyke along the sample edge, pegmatite is mostly K-spar with quartz, cleavelandite, a little mica and an unidentified yellow-green alteration mineral along some fractures within pegmatite, the metasediment was dirty so no foliation was observed and it is composed of 35% light phases, 40% grey phases and 25% dark phases.	881441
1.01	2.01	Spod Peg/K-spar Peg/Intermediate Peg/Aplite/Wall Zone	Spod	About 1 cm of metasediment at the southwest end of the sample, the contact is undulating and is approximately at 138 degrees/ 58 degrees southwest, the comb structure K-spar + quartz wall zone is 0.5 cm wide and grades into K-spar + quartz + mica pegmatite zone that is 40 cm wide, contains some patches of interstitial very fine-grained aplite (with 15% mica) totaling 2-3 cm of the K-spar peg interval, K-spars to 22 by 8 by 6 cm and as medium to coarse-grained interstitial/groundmass K-spars, then 20 cm of intermediate medium to coarse-grained pegmatite with K-spar, quartz, 15-20% medium-grained mica books and lastly 40 cm of spodumene pegmatite with 10-12% spodumene (4% overall in the sample) as blady, nonaligned, generally greenish-white but with 15% of the spodumenes having dark green alteration rims and greenish-white cores, reaching 8 cm long, associated with up to 30% K-spar, grey quartz and 10-13% green medium-grained mica books.	881442
2.01	3.01	Spod Peg/Aplite	Spod	4 cm of fine to very fine-grained brownish-grey aplite with 12% mica at the southwest end, rest is spodumene pegmatite with rare large K-spars to 5 by 2 cm, most K-spar is medium grained and comprises 15% of the sample, with 5% large K-spars, grey quartz from 35 to 50%, 5-15% green mica books, spodumene is mostly oriented, reaches at least 10 by 1 cm as blady, mostly greenish-white but some dark green alteration rims and from 52 to 62 cm from the southwest contact, all spodumenes are completely altered to dark green to black within the section but not necessarily within the whole spodumene crystal, spodumene varies from 12 to 30%, and is about 16-18% overall.	881443
3.01	4	Spod Peg	Spod	All spodumene pegmatite, one big K-spar crystal near the northeast end that is 11 by 9 by at least 4 cm in size, composed of 20-25% generally medium-grained K-spar, 40-45% grey quartz, 15 to locally 20% green mica books and 8-15% (overall 10-12%) spodumene that is 95% greenish-white to white and 5% altered to dark green or black altered spodumene, all spodumenes are blady, aligned, and reach 7 by 1.5 cm.	881444

Channel Log HARRICANA-16-CH-1					
4	5	Spod Peg/Intermediate Peg/Aplite	Spod	Northeast side has four bands of very fine-grained brownish-grey to grey aplite with 5-10% mica over 38 cm alternating with intermediate pegmatite to spodumene pegmatite as there are a few patches to 15% spodumene over 3-4 cm, also about 9 cm of large K-spar crystals from two big crystals, the southwestern 55 cm is spodumene pegmatite with about 10% spodumene and 25% spodumene in the southwest 7 cm of the sample, spodumene in the immediate southwest is greenish-white, blady, weakly aligned and reaches 3 cm long, the rest of the spodumene is either altered to dark green or black on the outside, or completely altered to mica, spodumene is 4-5% overall in the sample, associated with lots of K-spar, quartz and 10% medium-grained mica books that are not pseudomorphs, with trace orange anhedral gamet to 1.5 mm. Sample 881446 is a duplicate of this one.	881445
4	5	Spod Peg/Intermediate Peg/Aplite	Spod	Northeast side has four bands of very fine-grained brownish-grey to grey aplite with 5-10% mica over 38 cm alternating with intermediate pegmatite to spodumene pegmatite as there are a few patches to 15% spodumene over 3-4 cm, also about 9 cm of large K-spar crystals from two big crystals, the southwestern 55 cm is spodumene pegmatite with about 10 % spodumene and 25% spodumene in the southwest 7 cm of the sample, spodumene in the immediate southwest is greenish-white, blady, weakly aligned and reaches 5 cm long, the rest of the spodumene is either altered to dark green or black on the outside, rarely completely altered to mica and sometimes is still greenish-white, spodumene is 4-5% overall in the sample, associated with lots of K-spar, quartz and 10-15% medium-grained mica books that are not pseudomorphs. Sample 881445 is a duplicate of this one.	881446, duplicate of 881445
5	5.72	Intermediate Peg/Aplite/Quartz Core	Spod	23 cm from the southwest end is a 7 cm wide grey quartz vein with 7% medium to coarse-grained mica, there is an 8 cm section of K-spar pegmatite, 7 cm from the northeast end, with a large 10 by 7 cm beige K-spar crystal, there is about 14 cm of brownish to grey, fine to very fine-grained aplite in 3-4 pods and bands, the rest is intermediate pegmatite with 10 to 20% medium to coarse-grained mica books, 25-35% K-spar, and 50% quartz. Contact is undulating, and is at 116 degrees/dipping 74 degrees SW.	881447
5.72	6.7	Metasediment		Massive metasediment with four or five 0.5 to 2 cm wide quartz veinlets/veins, with bleaching along veinlets and fractures, composed of 30% white phases, 45% grey phases and 25% dark phases.	881448
6.7	6.71	EOH		EOH	

Channel Log HARRICANA-16-CH-2

Company: Rock Tech Lithium
Property: Harricana
Channel number: HARRICANA-16-CH-2
claim number: 3005434
Logger: Harvey M. Buck
Start Date: 22-Sep-16
End Date: 22-Sep-16
Date logged: 28-Sep-16

collar coordinates:

easting 425852.805
northing 5477114.595
elevation 401.345
azimuth 102 from west end of channel
dip 0
final length (m) 15.85

comments:

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	0	High Standard		High Standard	881450
0	1.07	Metasediment		Massive metasediment with 1-2 cm of pegmatite for 20 cm along the sample, the pegmatite has 0.5 cm of comb structure K-spar + quartz + mica and has trace anhedral orange garnet, contact is approximately striking at 180 degrees but has large undulations, dipping approximate 65 degrees to the west, 0.5 cm wide quartz + feldspar veinlet, foliated at 022 degrees/ 9 degrees SE, metasediment is composed of 50% light and 50% darker phases.	881451
1.07	1.65	K-spar + Quartz Intermediate Zone/Spodumene Peg/Wall Zone/Metasediment	Spod, Black Oxides	Note entire sample represents about 20 cm of pegmatite inward from the contact as the sample is on a very steep angle. About 2 cm of metasediment in triangle from west end of sample, then 1/2 cm of ill defined wall zone surrounding the metasediment, then about 22 cm of spodumene pegmatite with 7% blady, aligned spodumene to 4.5 cm long that is completely pseudomorphed to green mica, and is associated with 20-25% medium-grained K-spar, lots of quartz, possibly some albite, about 5% mica as medium-grained books and trace anhedral black oxides with radiation damage rimming them, after which there is about 34 cm of intermediate to K-spar pegmatite with K-spars to 10 by at least 6 cm mixed with lots of quartz and medium-grained K-spar surrounding the large K-spars, which grades at the bottom of the channel to spodumene pegmatite with up to 3% pseudomorphed spodumenes in the bottom few cm, spodumene psuedomorphs about 2-3% of the sample.	881452
1.65	2.68	Spod Peg/K-spar + Quartz + Mica Peg	Spod	Grey, 2 to 3 cm wide very fine-grained aplite band with 20% green mica on the east side of the sample, ~ 25 cm of K-spar + quartz + mica zone in a few patches on the west side of the sample, with K-spars to 4.5 cm, the rest is spodumene pegmatite with 10 to 20% spodumene (overall about 5-7% in the sample), spodumene varies from dominantly greenish-white to rarely dark green altered spodumene, it is blady, reaches 5 cm long, appears to be partly aligned and has about 20% of the spodumene psuedomorphed to green mica, especially where crystals were seperated from other spodumene crystals that were more bunched together, associated with 20-30% medium to coarse-grained K-spar, 50-60% grey quartz, and 5-10% medium-grained green to light green mica books and trace anhedral light orange to pinkish-brown garnets.	881453
2.68	3.69	Spod Peg/K-spar + Quartz Peg/Aplite	Spod	13 cm of greenish-grey to grey to most commonly brownish-grey, very fine-grained aplite in at least three bands and containing about 20-23% green mica and trace anhedral orange garnets to 3 mm wide, about 20 cm of K-spar + quartz pegmatite with K-spars to 8 cm long associated with medium-grained K-spar and quartz and a single cm wide quartz vein that crosscuts this zone, rest is spodumene pegmatite with blady, greenish-white, partly aligned spodumenes to 7 by 1 cm that comprise about 10-18% of the zone, averaging about 13% for the spodumene pegmatite and about 7-8% spodumene overall in the sample, associated with 20-30% K-spar, lots of quartz and variable but generally about 10% medium-grained green mica books.	881454

Channel Log HARRICANA-16-CH-2					
3.69	4.66	Spod Peg/Aplite	Spod	13 cm of grey very fine-grained aplite in three bands, the western one is irregularly thick and varies from 1.5 to 3.5 cm and it is penetrated by spodumene crystals and has about 5% greenish to brownish mica and a lot of cleavelandite, about 7% of the sample is large whitish K-spars to 6 by 4 by 4 cm in spodumene pegmatite which comprises the rest of the sample, spodumenes reach at least 7 cm long and some are 2 by 1 cm in thickness, are greenish-white, blady to blocky (the smallest ones are least aligned and are often needlelike) and comprise about 15-25% of the zone and about 15% overall in the sample with many spodumenes being aligned, associated with 15-25% white medium to coarse-grained K-spars suspended in lots of quartz, with about 8-12% medium-grained mica books and trace blue apatite to 2 mm.	881455
4.66	5.68	Spod Peg/Aplite	Spod	Two 1 to 1.5 cm wide grey very fine-grained aplite bands with 10% green mica, rest of the sample is spodumene pegmatite with a few large K-spars to 5 cm long and about 20-30% medium-grained interstitial K-spar in lots of grey quartz with 8-15% medium-grained mica books, the spodumene is greenish-white to white, blady, is mostly aligned and reaches 9 cm in length and 1 cm in width and comprises between 15-20% of the zone and probably 17% overall in the sample.	881456
5.68	6.69	Spod Peg/Aplite	Spod	Two 8 cm wide bands of fine to mostly very fine-grained grey aplite with some cleavelandite and about 10% green mica, a few white to beige K-spars to at least 4 cm long in spodumene pegmatite comprised of dominantly grey quartz, about 20-35% K-spar (very variable and difficult some times to see if single or multiple K-spars), and 5% to rarely 10% medium-grained greenish mica books, the blady to rarely blocky, greenish-white, partly aligned spodumene crystals that can reach 4 cm long with some blockier crystals being up to 2 cm wide, and comprise 10% with a 10 cm long section with 45% spodumene (sample average 15-18% spodumene overall).	881457
6.69	7.68	Spod Peg/Aplite	Spod	5 cm wide band of brownish very fine-grained aplite with 15-20% green mica crosscutting the spodumene pegmatite at an angle about 1/3 of the way from one end of the sample and a 7 cm wide band of grey very fine-grained aplite with large spodumenes penetrating it, having 15% greenish mica, rare blue apatite to 2 mm, found 1/3 of the way to the other end, the rest of the sample is spodumene pegmatite with large (to 13.5 cm long, some to 1.3 cm wide), blady, greenish-white to very rarely dark green altered, aligned spodumenes comprising 10 to 20% of the zone (14% overall in the sample), associated with 20-25% medium-grained K-spar, lots of grey quartz, and 5 to 10% medium to rarely coarse-grained grey mica.	881458
7.68	8.68	Spod Peg/Aplite	Spod, Black C	10 cm of the sample was not cut because it was in a low spot near the east end of the sample. At the east end is a 2 cm thick band of grey very fine grained aplite with 10% mica that extends for 15 cm to the notch, aplite has trace black oxides with radiation damage and trace blue apatites, the rest of the sample is spodumene pegmatite that varies from 6-8% with a 10 cm sized patch with 45% spodumene (about 10% spodumene overall in the sample), spodumene is aligned to partly aligned, is generally greenish-white, sometimes it's green, but occasionally spodumene is a dark green altered colour, for a 25 cm section the spodumene is mostly altered to green and brown mica and here trace anhedral brownish-orange garnets are found, spodumene is blady and reaches 5 cm in length, spodumene pegmatite has 20-35% medium to coarse-grained K-spar, variable amounts of grey quartz and 2-6% fine to mostly medium-grained green mica books.	881459

Channel Log HARRICANA-16-CH-2					
8.68	8.68	Blank		Blank	881460
8.68	9.67	Spod Peg/K-spar + Quartz + Mica Peg/Aplite	Spod	At the west end is a 2 cm thick band that runs for 10 cm along the top of the sample of grey-white fine-grained aplite with 10% light green mica, near the centre is a 10 cm thick band of white K-spar + quartz + mica zone with individual K-spars to 4 cm long and a few % spodumene crystals that are identical to the spodumene in the spodumene pegmatite which makes up the rest of the sample, spodumene pegmatite has 15-20% K-spar, lots of quartz, and about 6-10% green medium-grained mica books, spodumene is generally green but sometimes it is greenish-white, blady, aligned to partly aligned and at the east end for 20 cm the spodumene is partly pseudomorphed by mica, they reach 11 cm in length and can be up to 1.5 cm wide, and comprise from 10 to 15% of the zone and about 8-10% of the sample overall.	881461
9.67	10.68	Spod Peg/Aplite/Quartz Vn	Spod	25 cm east of the west end is a 5.5 cm wide barren grey massive quartz vein/quartz core with 2-3 mm of light green mica on the outside edges, west of the quartz vein is 8-10 cm of irregularly bounded greyish-beige very fine-grained aplite with 10% greenish mica, which contacts spodumene pegmatite that is 17 cm long till the west end of the sample, the spodumene is blady, aligned, reaches 6 cm long, comprises about 10% of the zone and is completely replaced by green mica, associated with 30-35% K-spar, dominantly grey quartz and 5-6% green to dark green medium-grained mica books, east of the quartz vein, are two pods of greyish-beige very fine-grained aplite with irregular contacts, large spodumenes are especially present in the western one (7% of this section) which abuts the quartz vein, is ~17 cm wide, and has about 20% green mica whereas the eastern aplite only has 10% green mica, the rest of the sample is spodumene pegmatite with greenish-white to rarely dark green altered, blady, aligned spodumenes to 4 cm long and one cm wide comprising 15-20% of the pegmatite, except for the easternmost 12 cm where the spodumene is completely pseudomorphed to green mica and comprises 10% of the section, spodumene pegmatite has about 35-40% beige K-spar, about 38-45% quartz and 10% green medium-grained mica books. Spodumene comprises probably 6-8% of the sample.	881462
10.68	11.66	Spod Peg/Aplite	Spod	About 55 cm of very fine-grained grey to rarely greenish-grey aplite with 15 to 20% green mica and thin 1-2 cm thick bands of spodumene pegmatite running through it with these spodumene pegmatite bands having greenish-white spodumenes to 1 cm long comprising 20% of these bands, the rest is spodumene pegmatite with blady, generally non aligned, dark green altered or more commonly mica pseudomorphed spodumenes to 3 cm long, comprising 10-20% of the zone, associated with 30% K-spar, dominantly grey quartz and about 10% darker green medium-grained mica books, the average spodumene for the sample is about 5-7%.	881463
11.66	12.71	Spod Peg/K-spar + Quartz + Mica Peg/Aplite	Spod/Black O	Easternmost 5 cm of the sample was not cut because it was in a dip in the outcrop and the sample end is taken to be the corner of the rock outcrop. 15 cm of grey, very fine-grained aplite with 15% green mica, trace small black oxides, in three bands and a few included spodumenes from the enclosing spodumene pegmatite, one of which is a 2 cm thick band near the west side, 20 cm of K-spar + quartz + mica pegmatite with no observed spodumene though a few % of the zone's 15-20% mica could be pseudomorphed after spodumene, (K-Spar to 4 cm long and 35-40% of the zone, lots of grey quartz), the rest of the sample is spodumene pegmatite with 25-30% K-spar, 8% greenish-grey medium-grained mica and lots of quartz with greenish-white to white, blady, generally nonaligned spodumene that can reach 4 cm long and comprises from 8 to locally about 20% of the zone, with about 5-6% of the overall sample being spodumene.	881464

Channel Log HARRICANA-16-CH-2					
12.71	13.85	K-spar + Quartz + Mica Peg/Spod Peg	Spod	Westernmost 5 cm not sampled as it is in a corner and covered by water. Mostly K-spar + quartz + mica + albite? pegmatite with 35% K-spar, lots of grey quartz, a few albites? and about 10% green medium-grained mica books with 2-3% blady, nonaligned mica pseudomorphs after spodumene that reach 4 cm long, the remaining 30 cm is spodumene pegmatite with 15% greenish mica pseudomorphs after spodumene that are blady, are partly aligned and reach 7 cm long associated with 20-25% K-spar, 5-15% greenish medium-grained mica books and lots of grey quartz. Spodumene about 5% overall in the sample. Sample 881466 is a duplicate of this one.	881465
12.71	13.85	K-spar + Quartz + Mica Peg/Spod Peg	Spod	Westernmost 5 cm not sampled as it is in a corner and covered by water. Mostly K-spar + quartz + mica + albite? pegmatite with 35% K-spar, lots of grey quartz, a few albites? and about 10% green medium-grained mica books with 2-3% blady, nonaligned mica pseudomorphs after spodumene that reach 4 cm long, the remaining 30 cm is spodumene pegmatite with 15% greenish mica pseudomorphs after spodumene that are blady, are partly aligned and reach 7 cm long associated with 20-25% K-spar, 5-15% greenish medium-grained mica books and lots of grey quartz. Spodumene about 5% overall in the sample. Sample 881465 is a duplicate of this one.	881466, duplicate of 881465
13.85	14.75	K-spar + Quartz + Mica Peg/Spod Peg	Spod	0-4 cm of metasediment at the east end of the sample, at the contact which was very irregular and abutts 1/2 cm of comb structure K-spar + quartz wall zone, ~6 cm metasediment xenolith that does not reach the surface of the sample (has a partial rim to 3 mm thick of massive blue apatite) and the xenolith is about 45 cm from the east end of the sample and it separates spodumene pegmatite to the west and K-spar + quartz + mica pegmatite to the east which is composed of about 35 to 45% K-spar, 5-10% green to light green medium-grained mica books with the remainder being grey quartz and possibly a few indistinct, small mica pseudomorphs after spodumene especially at the west end of the zone, the spodumene pegmatite comprises ~ 35 cm of the sample at the western end of the sample and is composed of 25-30% medium-grained K-spar, 10% green medium-grained mica books, with the rest being grey quartz and about 20% greenish-white to very rarely white, blady, partly aligned spodumenes that reach 10 cm long and 1 cm wide, that are commonly fractured and filled with a few mm of quartz between the spodumene pieces. Spodumene is about 6% overall in the sample.	881467
14.75	15.85	Metasediment		Massive homogeneous metasediment with a few mm thick veinlets, composed of 30% light phases, 35% grey phases and 35% dark phase that is probably predominantly biotite mica.	881468
15.85	15.86	EOH		EOH	

Channel Log HARRICANA-16-CH-3A

Company: Rock Tech Lithium
Property: Harricana
Channel number: HARRICANA-16-CH-3A
claim number: 3005434

Logger: Harvey M. Buck
Start Date: 22-Sep-16
End Date: 22-Sep-16
Date logged: 9/28/2016, 10/13/2016

collar coordinates:

easting 425804.441
northing 5477069.251
elevation 411.776
azimuth 125 from northwest end of channel
dip 0
final length (m) 4.45

comments:

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	0.98	Metasediment		Massive metasediment with multiple thin fractures that are bleached in the sample, composed of 55-60% light phases, the rest are darker, foliation not observed, contact with pegmatite is fairly steady and straight at 225 degrees/dipping 78 degrees NW.	881449
0.98	2.03	Spod Peg/Intermedi ate Peg/Aplite	Spod	Northwest 22 cm at the contact is intermediate pegmatite with a few irregular cm sized patches of grey very fine-grained aplite with 8% green mica, intermediate pegmatite has 35% medium to coarse-grained white K-spar, 3% medium-grained mica books, trace subhedral orange-red garnet to 1 mm, with the rest being grey quartz, the spodumene pegmatite which comprises most of the rest of the sample to the east is composed of 20-25% white K-spar, 10-15% green medium-grained mica books to flakes, lots of grey quartz and 10 to 20% greenish-white, blady, aligned spodumene to 4 cm long, with overall spodumene about 10-12% in the sample, there are a few cm scale patches to bands of grey fine to very fine-grained aplite with 15% green mica that accounts for about 10 to 15% of the spodumene pegmatite.	881469
2.03	2.03	Low Standard		Low Standard	881470
2.03	3.03	K-spar + Quartz + Mica Peg/Spod Peg/Aplite/ Metasediment /Wall Zone	Spod, Black Oxides	0-8 cm of metasediment at the southeast contact that is very irregular and skirts the base of the sample to 23 cm from the southeast end and comprises about 6% of the sample overall, in contact with a 1 cm wide K-spar + quartz wall zone, the northwest side has 23 cm of spodumene pegmatite before the aplite and 14 cm of spodumene pegmatite after the aplite, spodumene pegmatite has 10% greenish-white, blady (larger) to needlelike (for smaller), nonaligned spodumenes to 7 cm long, associated with a large K-spar to 11 cm long in the middle of the zone, K-spar about 20-25%, with 5% green medium-grained mica books and grey quartz, the spodumene zone irregularly contacts a very fine-grained grey to greenish-grey aplite with 20% mica, some large spodumenes that penetrate it from the enclosing spodumene pegmatite, trace subhedral pale orange garnets to a few mm wide and trace blue apatite to 1 m wide, the aplite is about 10 cm wide but varies in width within the spodumene pegmatite, to the southeast the sample changes to K-spar + quartz + mica pegmatite that has a few patches of greenish-white, blady, nonaligned spodumene to 3 cm long comprising 3% of the zone, which has a 13 cm long K-spar with a matrix of 35-50% K-spar, a few % green mica, trace sulphide and black oxide grains and rare subhedral light orange garnets to 3 mm. Sample has 3-4% spodumene crystals overall.	881471

Channel Log HARRICANA-16-CH-3A					
3.03	4.03	Metasediment		Homogeneous massive metasediment with a few quartz-feldspar veinlets to 0.5 cm wide, the thickest of which is rusty, composed of 40% light and 60% darker phases.	881472
4.03	4.45	Metasediment /Spod Peg, K- spar + Quartz Wall Zone	Spod	Homogeneous massive metasediment, composed of 40% light and 60% darker phases, with 6 cm of pegmatite at the southeast end which has a 1 cm thick comb structure K-spar + quartz wall zone which grades to spodumene pegmatite as greenish-white spodumene was observed.	881473
4.45	4.46	EOH		EOH	

Channel Log HARRICANA-16-CH-3B

Company: Rock Tech Lithium
Property: Harricana **Logger:** Harvey M. Buck
Channel number: HARRICANA-16-CH-3B **Start Date:** 22-Sep-16
claim number: 3005434 **End Date:** 22-Sep-16
Date logged: 14-Oct-16

collar coordinates:

easting 425805.968
northing 5477067.862
elevation 411.751
azimuth 123 from northwest end of channel
dip 0
final length (m) 5.27

comments:

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	0.97	Aplite/K-spar + Quartz Peg/Spod Peg/Wall Zone	Spod	Offset 10 cm to the northeast from the previous channels end. On the northwest side, the contact zone comprises the top 2-4 cm of the sample for the first 43 cm of the sample length, generally for one to two cm the core is K-spar + quartz +- mica wall zone changing to intermediate zone further from the outside, as this zone thickens the bottom 1-2 cm may have up to 20% blocky, greenish-white spodumene that is not aligned and reaches no more than 2 cm in length, the spodumenes can grow from the K-spar + quartz intermediate zone to a greenish very fine-grained aplite with 25% mica that is never wider than 1.5 cm, the rest of the first 43 cm is very fine-grained grey aplite with 4% mica and 2% needlelike black crystals that are probably tourmaline, the next 14 cm or so are spodumene pegmatite with 20% greenish-white to white, blady, nonaligned spodumene that reaches 4 cm in length and is associated with ~8% light green mica, some of the green mica is surrounding parts of the spodumene crystals, about 20% K-spar and grey quartz, this zone gives way to a 2-3 cm wide brownish aplite that is very fine-grained and continues with a 5 cm patch within the K-spar + quartz + mica + spodumene zone to the southeast end of the sample, beige K-spars reach several cm, comprise 35-40% of the zone and may contain albite? also, with 5% light green flaky mica and dark green mica books, along with trace irregular light orange garnets, spodumene is about 15% of the zone as greenish-white to white, blocky to blady, nonaligned crystals to 4 cm in length. Overall about 2-3% spodumene in the sample.	881474
0.97	2.03	Spod Peg/Metasediment/Aplite	Spod	Southeast 17 cm of the sample is metasediment, probably a xenolith with an undulating contact at 181 degrees dipping 30 degrees west, 10 cm of grey very fine-grained aplite in 3 bands with 20% green to light green mica within spodumene pegmatite which comprises the rest of the sample and has almost enough beige K-spar at 25-35% to be K-spar + grey quartz + spodumene + mica pegmatite, not ordinary spodumene pegmatite, spodumene varies from 10 to locally 25% and is generally greenish-white, blady, at least partly aligned and reaching 8 cm long and 1 cm wide, about 5-10% of the spodumene are pseudomorphed by mica and the pseudomorphs are spatially associated in alteration pods, rare anhedral to subhedral orange garnets to 5 mm in length and 5% mica as medium-grained green books. Overall probably no more than 8-10% spodumene.	881475

Channel Log HARRICANA-16-CH-3B					
2.03	3.27	Metasediment /K-spar + Quartz + Mica Peg/Wall Zone		Southeast 0-2 cm is pegmatite with a 1 cm thick K-spar + quartz wall zone, rest is massive metasediment xenolith? with a 4 cm wide K-spar + quartz + mica + rare blue apatite pegmatite dyke crosscutting the samples metasediment (has a 20 cm wide footprint in the side of the channel) with 5 cm of altered and bleached metasediment associated with the dyke, otherwise the fine to very fine-grained metasediment is composed of 45% light and 55% darker phases.	881476
3.27	4.22	Spod Peg/Aplite/K-spar + Quartz	Spod	~25 cm of grey very fine-grained aplite with 20% brown to green mica, rare small blue apatites and variable cleavelandite, in several pods to patches throughout the spodumene pegmatite which comprises most of the rest of the sample, within the spodumene pegmatite are a number of larger K-spars, the largest of which is 7 by 4 by 3 cm, otherwise K-spar is medium-grained and comprises about 15% of the zone, sample has a fair amount of grey quartz, mica books are fairly rare, rare orange-brown subhedral garnets, and about 5-15% greenish-white, blady, nonaligned spodumenes to 2 cm long, southeast end has 18 cm of K-spar + quartz + albite? + mica pegmatite with no spodumene, sample has 5% spodumene overall, sample has a touch of metasediment at the southeast end.	881477
4.22	5.27	Metasediment		Massive metasediment with 1/2 cm wide quartz veinlet running down part of it, composed of 35% light, 35% grey and 30% dark phases, contact with the pegmatite was good locally and is at 205 degrees/ dipping 64 degrees northeast.	881478
5.27	5.28	EOH		EOH	

Channel Log HARRICANA-16-CH-3C

Company: Rock Tech Lithium
Property: Harricana
Channel number: HARRICANA-16-CH-3C
claim number: 3005434
Logger: Harvey M. Buck
Start Date: 22-Sep-16
End Date: 22-Sep-16
Date logged: 10/14/2016

collar coordinates:

easting 425808.001
northing 5477066.042
elevation 411.067
azimuth 127 from northwest end of channel
dip 0
final length (m) 7.11

comments:

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	0.94	Metasediment		0-8 cm of pegmatite was added to sample 881481 from the contact of the metasediment which was irregular and curved, sample is massive metasediment composed of 45% light phases and 55% darker phases.	881479
0.94	0.94	Blank		Blank	881480
0.94	1.97	Spod/Quartz Vein/Aplite	Spod	0-8 cm of pegmatite was added to this sample from sample 881479 at the contact of the pegmatite, two, 2 cm wide very fine-grained aplite dykes on the northwest side of the quartz vein, one is beige and the other is light grey, the centre is a barren looking 17 cm wide quartz vein with a 2-3 mm wide greenish-yellow mica veinlet down the centre, the northwest side has 36 cm (40 with the peice from the previous sample that has a 1.5 cm wide comb structure K-spar + quartz wall zone) of spodumene pegmatite composed of 30% K-spar (to 3 cm long), 15-18% brown to green medium-grained mica, lots of quartz and 15% to a 10 cm patch of 20% spodumene, which are needlelike to blady, greenish-white to white, aligned spodumenes to 3 cm long, within 8 cm of the central quartz vein, all the spodumene was pseudomorphed to mica, on the southeast side of the quartz vein the spodumene pegmatite has 10-15% blady, partly aligned spodumene that has all been pseudomorphed to mica associated with K-spars to at least 13 by at least 2.5 by at least 2.5 cm that are at the base of the channel associated with 35% medium to coarse-grained K-spar, 5% green medium-grained books of mica, lots of grey quartz and rare subhedral orange garnets and trace blue apatites, sample has about 14% spodumene overall.	881481
1.97	3.06	K-spar + Quartz + Mica Peg/ Intermediate Peg/Aplite	Spod	~22 cm of grey, very fine-grained aplite with 5% green mica in two bands, the largest running down the middle of the sample is about 5 cm thick and has 2-3% mica pseudomorphs after spodumene to 5.5 cm long that extend from the enclosing intermediate pegmatite into the aplite, the second aplite dyke is at the southeast end at the base of the channel, ~18 cm of K-spar from 8 crystals in the K-spar + quartz + mica pegmatite in the northwest 46 cm of the sample, this section has about 5-10% blady, greenish-white to dark green altered, aligned spodumenes, many of which are pseudomorphed to mica, the southeast section except for the aplite is intermediate pegmatite with 25% K-spar, lots of quartz, 4% medium-grained mica books and about 5% mica pseudomorphs after spodumene that was blady, partly aligned?, and reached maybe 3 cm long, overall about 4% spodumene in the sample.	881482

Channel Log HARRICANA-16-CH-3C					
3.06	4.06	Spod Peg/Aplite/ Quartz Pod	Spod	Equivalent to about 12 cm of light grey, very fine-grained aplite with 5% mica and rare orange anhedral garnet to 4 mm wide, the aplite runs along the base of the channel in several places, 5 cm wide quartz pod with a 1.5 cm long anhedral orange garnet at the edge of the pod, the rest is spodumene pegmatite with about 8 cm of larger K-spar crystals in it in the 75 cm at the northwest of the sample containing large K-feldspar crystals, spodumene pegmatite has about 25% K-spar, lots of grey quartz, 5-10% mica generally as small flakes, and 10-20% greenish-white to white, blady, mostly aligned, spodumene that reach 3 cm long, a dm wide sections of spodumene pegmatite had the spodumenes pseudomorphed to mica, overall about 10-12% spodumene.	881483
4.06	5.05	Spod Peg/Aplite/ Quartz Core Pod	Spod	~22 cm of grey, fine to very fine-grained aplite with 10% mica and the occasional spodumene extending out from the enclosing spodumene pegmatite, in bands and pods in the northwest 2/3 of the sample, one of the aplites is associated with a 7 cm wide quartz core pod that is about 15 cm from the northwest end, the pod has a 7 mm wide subhedral red-orange garnet and a 3.5 by 1.3 cm greenish-white, blady spodumene crystal, and at the edge of the quartz pod, is a 5 mm long subhedral molybdenite crystal, the rest of the sample is spodumene pegmatite with 10 to 20% greenish-white, blocky to mostly blady, generally nonaligned, except at the south east end where it is aligned, spodumene crystals that reach 7 cm and some spodumenes are 1.5 cm wide, associated with about 25-30% K-spar, lots of quartz, 5-10% green mica as books and as flakes in spodumene, and rare orange-red subhedral garnets and trace small blue apatites, probably about 7-8% spodumene overall.	881484
5.05	6.06	K-spar + Quartz + Mica Peg/Aplite/ Spod Peg/Wall Zone	Spod	0-3 cm of metasediment at the southeast end, contact is at 229 degrees/dipping 69 degrees NW, 1 cm of K-spar + quartz wall zone, ~17 cm of grey to brownish-grey very fine-grained aplite with 20% green to brown mica in 2 bands with the northwest band having 3% greenish-white, blady spodumenes within them associated with 13 cm of spodumene pegmatite at the northwest end which has 10% green to greenish-white, blady to occasionally needlelike, partly aligned spodumenes to 7 cm long associated with 35% mostly medium-grained K-spar, grey quartz and 8% green medium-grained mica books, the rest of the sample is K-spar + quartz + mica intermediate pegmatite with 35-40% K-spar and possibly some albite, grey quartz, 10% green medium-grained mica books and about 10% green to mostly light green mica pseudomorphs after spodumene that were probably blady, reached 3.5 cm long, and appear to have be aligned, spodumene comprises about 8% of this sample (including the psuedomorphs). Sample 881486 is a duplicate of this sample.	881485
5.05	6.06	K-spar + Quartz + Mica Peg/Aplite/ Spod Peg/Wall Zone	Spod	0-3 cm of metasediment at the southeast end, contact is at 229 degrees/dipping 69 degrees NW, 1 cm of K-spar + quartz wall zone, ~18 cm of grey to brownish-grey very fine-grained aplite with 20% green to brown mica in 2 bands with the northwest band having 3% greenish-white, blady spodumenes within them associated with 15 cm of spodumene pegmatite at the northwest end, which has 10% green to greenish-white, blady to occasionally needlelike, partly aligned spodumenes to 7 cm long associated with 35% mostly medium-grained K-spar, grey quartz and 8% green medium-grained mica books, the rest of the sample is K-spar + quartz + mica intermediate pegmatite with 35-40% K-spar and possibly some albite, grey quartz, 10% green medium-grained mica books and about 10% green to mostly light green mica pseudomorphs after spodumene that were probably blady, reached 3.5 cm long, and appear to have be aligned, spodumene comprises about 8% of this sample (including the psuedomorphs). Sample 881485 is a duplicate of this sample.	881486, duplicate of 881485
6.06	7.11	Metasediment		Massive metasediment with a few small mm scale white veinlets cutting it, composed of about 30% light phases and 70% darker phases.	881487
7.11	7.12	EOH		EOH	

Channel Log HARRICANA-16-CH-4A

Company: Rock Tech Lithium
Property: **Harricana**
Channel number: HARRICANA-16-CH-4A
claim number: 3005434
Logger: Harvey M. Buck
Start Date: **22-Sep-16**
End Date: 22-Sep-16
Date logged: 15-Oct-16

collar coordinates:

easting 425777.643
northing 5477041.611
elevation 414.565
azimuth 136 from northwest end of channel
dip 0
final length (m) 0.94

comments:

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	0.94	Metasediment		Massive metasediment with a number of very rusty fractures ~parallel to the surface, foliated at 97-277 degrees with a steep? dip, composed of 45% light phases and 55% darker phases.	881488
0.94	0.95	EOH		EOH	

Channel Log HARRICANA-16-CH-4B

Company: Rock Tech Lithium
Property: **Harricana**
Channel number: HARRICANA-16-CH-4B
claim number: 3005434
Logger: Harvey M. Buck
Start Date: 22-Sep-16
End Date: 22-Sep-16
Date logged: 15-Oct-16

collar coordinates:

easting 425778.24
northing 5477040.926
elevation 414.97
azimuth 135 from northwest end of channel
dip 0
final length (m) 8.26

comments: Offset 6 cm to the northeast from Harricana-16-CH-4A

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	0.72	Intermediate Peg, Quartz Vein/Wall Zone		Note sample is the face of the pegmatite and ascends the outcrop at about 70 degrees, has 1 cm of wall zone along much of the top of the sample, about 20% of the sample on the northwest side has grey barren quartz vein at the base which has a little mica along fractures, the rest is intermediate pegmatite with 20% K-spar, 10-15% albite, grey quartz and 6% green mica books.	881489
0.72	0.72	High Standard		High Standard	881490
0.72	1.75	Intermediate Peg/Spod Peg/Aplite	Spod	The northwest end has 28 cm of intermediate pegmatite with 20% K-spar, 10-15% albite, grey quartz and 6% green mica books, with rare anhedral orange garnet filling fractures, the middle 40 cm is intermediate pegmatite with about 30-35% K-spar, 5-10% albite, lots of grey quartz, and 7% green medium-grained mica books, trace anhedral orange garnet with 7-8% greenish-white, blocky to blady, nonaligned spodumene to 2 cm long, all the spodumene in the northwestern 15 cm long section of the zone has been pseudomorphed to light green mica, the southeastern 30 cm is spodumene pegmatite that has about 4 cm of irregular patches to bands of grey fine-grained aplite with 20% greenish to brownish mica, the spodumene pegmatite is composed of 30% K-spar, grey quartz, 10-15% green mica as medium-grained books and sometimes as light green mica rimming sopodumene, the spodumene is about 10-15% of the zone and occurs as greenish-white, blady, weakly aligned crystals to 4 cm long, spodumene overall is about 5-6% of the sample.	881491
1.75	2.73	Spod Peg/Aplite/K-spar + Quartz Peg	Spod	9 cm of fine-grained, grey aplite with 15-20% green mica and lots of cleavelandite in three bands, 5 cm of K-spar + quartz pegmatite in the middle of the sample, the rest is spodumene pegmatite, the 21 cm at the southeast end have about 8% spodumene, the rest of the spodumene pegmatite has about 14% spodumene, all spodumene is greenish-white, blady, reaches 6 cm long by 1 cm wide, is aligned except near the northwest end and is associated with 30-35% K-spar, grey quartz and about 5% in the southeast before the aplite and 17-22% on the western 2/3 as green medium-grained books of mica, with trace small blue apatite grains, spodumene probably about 10% overall in the sample.	881492

Channel Log HARRICANA-16-CH-4B					
2.73	3.76	Spod Peg/Aplite	Spod	Southeast end of the sample is 7 cm of grey very fine-grained aplite with 22% brownish to greenish mica, the rest is spodumene pegmatite with a few large beige K-spars that reach 8 by 3 cm, otherwise about 35% medium to coarse-grained K-spar, grey quartz, 5% medium-grained green mica books and trace blue apatite, with 10 to 20% greenish-white to rarely dark green altered, blady, partly aligned spodumene crystals that can reach 10 cm long and 1.5 cm wide, overall about 12% spodumene in the sample.	881493
3.76	4.76	Spod Peg/Intermediate Peg/Aplite	Spod	Northwest end of the sample has 1-4 cm of grey very fine-grained aplite with 22% brownish to greenish mica, the rest is spodumene pegmatite till the southeasternmost 15 cm which is intermediate pegmatite with 30% K-spar, 12% albite, grey quartz and 10% mica as light green flakes and green mica books, contact is indistinct with the spodumene pegmatite which has a few large beige K-spars to 7 by 4 by 3 cm with about 30-35% medium to coarse-grained K-spar, grey quartz, about 6-10% mica as medium-grained green books to flakes, and 15-18% spodumene as green to greenish-white, blady, partly aligned crystals to 8 cm long and 1 cm wide, with about 14% spodumene overall in the sample.	881494
4.76	5.91	Spod Peg/Intermediate Peg	Spod	About 4 cm of the pegmatite was not sampled at a low spot in the centre of the sample. About 22 cm at the southeast end is intermediate pegmatite with about 35-45% K-spar, possibly a little albite?, grey quartz, about 8-10% medium-grained green mica books, and rare subhedral orange-red garnet to 7 mm wide, the rest is spodumene pegmatite with 30-35% K-spar, grey quartz, 3% greenish medium-grained mica books and about 10 to 18% greenish-white to white, blocky to mostly blady, partly aligned spodumene to 5 cm long, a few spodumenes are starting to alter to dark green on there outside in one patch in the spodumene pegmatite, overall about 8% spodumene in the sample.	881495
5.91	7.16	Intermediate Peg/Spod Peg/Aplite/Quartz Vein	Spod	Southeast end has 8 cm of intermediate pegmatite at the contact followed by 7 cm of barren grey quartz vein, 30 cm of very fine-grained aplite with 10% green to brown mica and trace blue apatite in bands to patches on the southwest side of the sample mixed with intermediate pegmatite and 10 cm of blocky porphyritic feldspars to 5 mm, in a fine-grained matrix that looks like feldspar porphyry but appears to blend into the aplite it is associated with, the north western 48 cm are spodumene pegmatite with an 8 cm band of aplite (part of the total 30 cm) within it, about 25-35% K-spar, grey quartz, about 5-15% mica as books to flakes (more mica to the southeast) and 5-20% spodumene as greenish-white, blady, alined crystals to at least 3 cm long, overall about 2% spodumene.	881496
7.16	8.26	Metasediment		Massive metasediment with a few veinlets and one 5 cm wide K-spar + quartz + aplite offshute dyke, 0-2 cm of pegmatite at the contact which is undulating and irregular, metasediment composed of 35% light phases and 65% darker phases.	881497
8.26	8.27	EOH		EOH	

Channel Log HARRICANA-16-CH-5

Company: Rock Tech Lithium
Property: Harricana
Channel number: HARRICANA-16-CH-5
claim number: 3005434

Logger: Harvey M. Buck
Start Date: 22-Sep-16
End Date: 22-Sep-16
Date logged: 10/16/2016, 10/17/2016

collar coordinates:

easting 425738.336
northing 5477016.59
elevation 416.049
azimuth 130 from northwest end of channel
dip 0
final length (m) 5.9

comments:

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	0.88	Metasediment		Massive metasediment with one 0.5 cm rusty quartz vein and 1 cm of comb structure K-Spar + quartz wall zone at the contact, which is irregular where channel 5 cuts it, but the contact is better 0.5 m to the east where it is at 227 degrees/dipping 70 degrees northeast, metasediment is composed of 35% light phases, 30% grey phases and 35% dark phases.	881498
0.88	1.87	Spod Peg/ Intermediate Peg/Aplite	Spod	Northwest end has 10 cm of intermediate pegmatite with 30% K-spar, lots of grey quartz, 10-12% medium-grained mica books and trace small blue apatite, the centre of the sample has closely associated 5 and 3 cm wide grey to partly dark grey very fine-grained aplite with 18% green to light green mica and rare mm sized blue apatites, the rest is spodumene pegmatite composed of 25 to 40% medium to coarse-grained K-spar (more closer to the northwest contact), variable grey quartz, 3-4% green medium-grained mica books, and rare blue apatites to 2 mm wide, with 10-25% spodumene as blady, mostly aligned, greenish-white to white with rare cases where the outer edge is dark green altered, spodumene crystals that reach at least 7 cm and can be over a cm wide, spodumene probably about 8-9% overall in the sample.	881499
1.87	1.87	Blank		Blank	881500
1.87	2.87	Spod Peg/ Intermediate Peg/Aplite	Spod	Northwest end is spodumene pegmatite for 57 cm with 25-35% beige K-spars that vary from medium-grained to a few cm long, grey quartz, about 10-12% green medium-grained mica books and 16-20% greenish-white, blady, aligned spodumene to 13 cm long, the southeastern portion changes to K-spar + quartz + spodumene + mica pegmatite with 35-45% white to beige K-spar, some to 5 cm long, grey quartz, 5-10% medium-grained mica books with 8-20% blady, aligned, dominantly dark green altered, to occasional patches of greenish-white unaltered spodumenes to 12 cm long, some of the altered spodumenes still have a partial greenish-white core, and some have parts altered to mica, this section also has a few cm of grey fine-grained patchy aplite with 10% mica, overall about 10-11% spodumene in the sample.	179501
2.87	4.06	K-spar + Quartz + Mica +Spod Peg/Quartz Vein	Spod	13 cm of greyish-white barren quartz vein at the southeast end, the rest is K-spar + quartz + mica + spodumene pegmatite, K-spars to 15 by 8 cm, comprising about 35-45%, with grey quartz, 4-20% medium-grained green mica books, trace anhedral orange garnet, 1-2% greenish-white, blady, nonaligned spodumene to 2.5 cm, much of the spodumene is pseudomorphed to mica, overall about 1% spodumene in the sample.	179502

Channel Log HARRICANA-16-CH-5					
4.06	4.96	K-spar + Quartz + Mica Peg/Aplite		0-4 cm of metasediment at the southeast end, 1.5 cm of very thin wall zone and thicker parallel aplite at the contact, the contact is relatively constant at 232 degrees/dipping 68 degrees northwest, 14 cm of grey very fine-grained aplite with 10% green mica, trace small blue apatites and trace orange anhedral garnet, aplite is in 4 bands to patches in the southeast half of the sample, within intermediate pegmatite to K-spar + quartz + mica pegmatite with 35% white K-spar, grey quartz, possibly some albite?, 5-15% green mica books that are more common to the northwest and a few of these may be pseudomorphs? after spodumene.	179503
4.96	5.9	Metasediment		Massive metasediment with a 1.5 to 3 cm wide grey irregular quartz +/- feldspar vein cutting it, also some 2-3 mm wide quartz veinlets, foliated at 239 degrees/dipping 68 degrees northwest, composed of 35% light phases, 65% darker phases.	179504
5.9	5.91	EOH		EOH	

Channel Log HARRICANA-16-CH-6

Company: Rock Tech Lithium
Property: Harricana
Channel number: HARRICANA-16-CH-6
claim number: 3005434
Logger: Harvey M. Buck
Start Date: 22-Sep-16
End Date: 22-Sep-16
Date logged: 17-Oct-16

collar coordinates:

easting 425725.803
northing 5476958.725
elevation 417.686
azimuth 143 from northwest end of channel
dip 0
final length (m) 6.69

comments:

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	0.97	Metasediment		Massive metasediment with 0-13 cm of pegmatite at the southeast contact, pegmatite has about 1/2 cm of wall zone, rest is intermediate pegmatite that lacks spodumene but may have a little albite?, contact is slightly curving but appears to be the general trend for the area and is taken 2 m to the northeast and is at 208 degrees dipping moderately to the northwest, metasediment has 35-40% pegmatite to quartz veining and an attendant bleaching halo around the veining, a tiny bit of spodumene may be in the pegmatite veining, metasediment is foliated at 60-240 degrees and is probably dipping northwest?, metasediment is composed of 35-40% light phases, rest is darker phases. Duplicate of sample 179506.	179505
0	0.97	Metasediment		Massive metasediment with 0-13 cm of pegmatite at the southeast contact, pegmatite has about 1/2 cm of wall zone, rest is intermediate pegmatite that lacks spodumene but may have a little albite?, contact is slightly curving but appears to be the general trend for the area and is taken 2 m to the northeast and is at 208 degrees dipping moderately to the northwest, metasediment has 15-20% pegmatite to quartz veining and an attendant bleaching halo around the veining, a tiny bit of spodumene may be in the pegmatite veining, metasediment is foliated at 60-240 degrees and is probably dipping northwest?, metasediment is composed of 35-40% light phases, rest is darker phases. Duplicate of sample 179505.	179506, duplicate of 179505
0.97	1.97	Spod Peg/K-spar +Quartz Peg/Wall Zone	Spod/Black Oxides	Southeast contact has 0-2.5 cm of metasediment, contact is fairly representative at 231 degrees/dipping 56 degrees southwest, contact in the pegmatite is an 8 mm wide comb structure K-spar + quartz wall zone, then 12 cm of K-spar + quartz peg composed of K-spar (30-40%) + quartz + albite? + 3% mica books, rest is spodumene pegmatite with 25-35% K-spar, grey quartz, 2-3% mica as green flakes, trace small black oxides and trace blue apatite, with about 8% spodumene that in the northwest 20 cm is white remnant spodumene surrounded by dark green alteration and mica, the rest of the sample has all the spodumene pseudomorphed to mica, spodumene was aligned, blady, and reached at least 5 cm long, overall about 5% spodumene in the sample.	179507
1.97	2.97	Metasediment		Massive metasediment with three to four 0.1 to 0.3 cm wide white quartz veinlets, composed of 30% light, 30% grey and 40% dark phases.	179508

Channel Log HARRICANA-16-CH-6					
2.97	3.61	Metasediment /Intermediate Peg		Massive metasediment with 0-7 cm of pegmatite at the southeast end, contact is 249 degrees/dipping 45 degrees northwest, pegmatite has 1 cm of K-spar + quartz wall zone, rest is intermediate pegmatite, metasediment is composed of 30% light, 30% grey and 40% dark phases.	179509
3.61	3.61	Low Standard		Low Standard	179510
3.61	4.62	Spod Peg/Aplite	Spod	Northwest end has 4-10 cm of intermediate pegmatite from near the contact, then 10 cm of grey (with 5% green mica) to the more commonly brownish-grey (with 15-18% mica) aplite with rare small pinkish subhedral garnets and trace small blue apatite, the rest is spodumene pegmatite with a three cm wide band of massive K-spar near the middle that may be a single crystal, the spodumene pegmatite has 20-30% white K-spar, a lot of grey quartz, about 8-10% medium-grained mica books, trace pinkish anhedral garnet to 3 mm, and 15 to rarely 18% greenish-white, blady, partly aligned spodumenes that reach 7 cm, note for 30 cm into the zone on the northwest side some of the spodumene on its outside boundary is altered to dark green and to some mica, probably about 14% spodumene overall in the sample.	179511
4.62	5.69	Spod Peg/K- spar + Quartz Peg/Aplite/ Wall Zone	Spod	0-4 cm of metasediment at the southeast end of the sample, contact is roughly constant at 218 degrees/ dipping 47 degrees to the northwest, then 0.5 cm of K-spar + quartz wall zone, followed by 27 cm of intermediate pegmatite with 8-10 cm of grey very fine-grained aplite with 5% green mica and trace small anhedral orange garnet, the aplite in two bands in the intermediate pegmatite, the rest of the sample is spodumene pegmatite with about 20 cm of K-spar + quartz rich bands within it, spodumene pegmatite has 25-30% white to beige K-spar, lots of grey quartz, about 5-7% green medium-grained mica books with trace blue apatite and trace orange anhedral garnet, with 12 to 15% greenish-white, blady, aligned spodumene to at least 4 cm long, overall about 6-8% spodumene in the sample.	179512
5.69	6.69	Metasediment		Massive metasediment with a few thin white quartz veinlets crossing it and one 0.5 cm wide quartz veinlet, composed of 30% light phases, 35% grey phases and 30% darkphases.	179513
6.69	6.7	EOH		EOH	

Channel Log HARRICANA-16-CH-7

Company: Rock Tech Lithium
Property: Harricana **Logger:** Harvey M. Buck
Channel number: HARRICANA-16-CH-7 **Start Date:** 22-Sep-16
claim number: 3005434 **End Date:** 22-Sep-16
Date logged: 17-Oct-16

collar coordinates:

easting 425631.609
northing 5476733.407
elevation 417.437
azimuth 135 from northwest end of channel
dip 0
final length (m) 3.1

comments:

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	1	Metasediment		At the southeast end, 0-10 cm of pegmatite at the contact with 1.3 cm of comb structure K-spar + quartz wall zone followed by grey very fine-grained aplite with 1% black needlelike tourmaline and 10% green to brown mica, the contact is straight and appears to be representative at 225 degrees/dipping 39 degrees northwest, the rest of the sample is massive metasediment that is rusty and bleached on fractures, metasediment has two 1 to 2 cm thick quartz-feldspar veins, metasediment is composed of 40% light and 60% darker phases.	179514
1	2.02	Spod Peg/Intermediate Peg/Aplite	Spod	Northwest end has 8 cm of grey very fine-grained aplite, with 15% mica, 1% black needles that are probably tourmaline and trace anhedral orange garnet, the southeast end (which ends at the end of the pegmatite, has 5 cm of K-spar + quartz intermediate pegmatite followed by 20 cm of mostly very fine-grained grey aplite with 2% mica and trace anhedral orange garnet, the rest is spodumene pegmatite which has K-spars to at least 11 by 6 by 3 cm, generally about 25% otherwise, with grey quartz, 10% green medium to coarse-grained mica books, and 14% green to greenish-white, blady, generally aligned spodumene to 13 cm long by 1 cm wide, spodumene about 9% overall in the sample. Southeast contact is slightly undulating but relatively stable at 236 degrees/dipping at 44 degrees to the northwest.	179515
2.02	3.1	Metasediment		10 cm section between the pegmatite and the start of the sample was not sampled due to a dip in the outcrop, massive metasediment with several rusty quartz veinlets to 0.5 cm, composed of 60% light and 40% darkphases.	179516
3.1	3.11	EOH		EOH	

Channel Log WEST-16-CH-1

Company: Rock Tech Lithium
Property: West
Channel number: WEST-16-CH-1
claim number: TB67176
Logger: Harvey M. Buck
Start Date: 18-Sep-16
End Date: 18-Sep-16
Date logged: 21-Sep-16

collar coordinates:

easting 425679.089
northing 5477409.055
elevation 371.09
azimuth 95 from west side
dip 0
final length (m) 6.15

comments:

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	1	Metasediment		0-2 cm of pegmatite at the contact which is curving and not representative of the boundary and a 1.5-2 cm wide medium-grained quartz feldspar vein cutting the metasediment. Metasediment is otherwise massive and is composed of 40% dark minerals (biotite?), 50% grey minerals and 10% light minerals. Foliation is striking at ~70-250, dip unknown. Sample has a duplicate sample 881366.	881365
0	1	Metasediment		0-2 cm of pegmatite at the contact which is curving and not representative and a 1.5-2 cm wide medium-grained quartz feldspar vein cutting the metasediment. Metasediment is otherwise massive and is composed of 40% dark minerals (biotite?), 50% grey minerals and 10% light minerals. Foliation is striking at ~70-250, dip unknown. Sample has a duplicate sample 881365.	881366 duplicate of 881365
1	2.01	Spod Peg/K-spar Peg/Aplite	Spod	East end has 4 cm of grey fine to very fine-grained aplite with 15-20% green mica, 6 cm band of K-spar pegmatite (probably a single crystal) with some quartz, rest is spodumene pegmatite with quartz, K-spar, and 5% green mica, with about 15% greenish-white blady to sometimes blocky spodumene that reaches at least 6 cm in length, is at least partly oriented and has a little mica alteration, overall about 13-14% spodumene in sample. 1/4 of the channel was underwater.	881367
2.01	3.03	Spod Peg/Aplite/K-spar Peg	Spod	11 cm of fine to very fine-grained aplite, 8 cm at the west end that is greenish-grey with a cm thick darkish grey band, aplite has about 10% greenish mica, 3-4 cm wide K-spar + quartz + 5% greenish mica band which is beside the thin aplite band that has orange anhedral to subhedral garnet between the bands, the rest is spodumene pegmatite with spodumene varying from 10 to 25% of the rock (about 10% of the sample), spodumene is greenish-white to rarely green, is blady to at least 3 cm long, some appears to be partly aligned, the minority is altering to green mica, with quartz, K-spar and 10% green mica (some in altered spodumenes). Note the sample was mostly under water and was not sampled as well as the rest of the samples in this channel.	881368

Channel Log WEST-16-CH-1					
3.03	4.06	Spod Peg/Aplite	Spod	14 cm of aplite at the west end, 13 cm of aplite above spodumene pegmatite in the middle of the sample, aplite is greenish-grey with dark grey bands to 1 cm wide, fine to very fine-grained, has 5% mica and has orange garnets at the edge of the aplite, rest is spodumene pegmatite with rare K-spar crystals to 5 by 3.5 to at least 2 cm, three reddish brown subhedral garnet grains to 12 mm, rest has 10-15% medium to coarse-grained K-spar, 40-50% grey quartz, 10-15% greenish to mostly brownish interstitial mica, with 15 to 30% (10% overall) greenish-white, partly aligned, blady spodumene crystals to 7.5 cm long, a few of which have minor alteration to green mica.	881369
4.06	4.06	High Standard		High Standard	881370
4.06	5.16	Spod Peg/Aplite	Spod	A banded patch of very fine-grained grey to dark grey aplite to 2 cm wide, the rest is spodumene pegmatite with 10-20% (13% overall for sample) greenish-white blady to needle like spodumene to 10 cm wide, longest crystals are curved and broken and have a near constant width/almost needlelike in appearance, some of the spodumene is aligned, very little has green mica in it, rest is 15-25% K-spar, 40-50% grey quartz, rare anhedral reddish-orange garnets, 10-15% green to dark green mica with some books to 1.5 cm wide. About 0.5 cm of metasediment in the sample.	881371
5.16	6.15	Metasediment		Metasediment with several <1 cm wide feldspar + quartz veinlets, the east end has 4 cm of a 10 cm wide pegmatite dyke (with 4% green mica), 0-5 cm of the previous sample was added to this one as the angled contact was partly in the previous sample, contact is undulating and is at ~199/42W, metasediment is homogeneous with 35% dark phase, 50% grey phase and 15% light phase.	881372
6.15	6.16	EOH		EOH	

Channel Log WEST-16-CH-1W

Company: Rock Tech Lithium
Property: West Lithium
Channel number: WEST-16-CH-1W
claim number: TB67176

Logger: Harvey M. Buck
Start Date: 18-Sep-16
End Date: 18-Sep-16
Date logged: 21-Sep-16

collar coordinates:

easting 425671.324
northing 5477386.978
elevation 373.988
azimuth 133 from northwest end of channel
dip 0
final length (m) 3.43

comments:

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	1.02	Metasediment		Metasediment with a subtle, poorly formed foliation at 66-246 degrees (dip unknown), a few 0.5 cm wide feldspar + quartz veinlets, metasediment is mostly fine to very fine-grained grey minerals with 30% darker phase (mica?).	881373
1.02	1.94	Spod Peg/Metased/ Aplite	Spod	North east end is 19 cm of spodumene pegmatite with 20% spodumene, about 10% of which is altered to green mica, spodumene appears greenish-white, are blocky and non aligned, reach 2 cm long, with quartz, K-feldspar and 5-7% green to dark green mica, then 28 cm of metasedimentary xenolith which is massive and has greenish fracture traces to 2 mm wide, about 33% each, light to white, grey and dark grey mineral phases, then spod pegmatite surrounding 17 cm of fine to very fine-grained greenish-grey aplite with 10% light green to usually dark green to brownish mica, spod pegmatite has light green to greenish-white aligned, blocky, broken crystals to at least 11.5 cm long by 1.5 cm wide that comprise up to 25% locally of the sample, and maybe 5-6% overall?, with quartz, K-spar, and 10-15% greenish mica.	881374
1.94	2.62	Spod Peg/Aplite	Spod	16 cm of aplite in two bands, 13 cm from the band in the middle of the sample with grey very fine-grained aplite has 5% green mica, 0-1 cm of metasediment from the south end of the sample, rest is spodumene pegmatite with mostly quartz, K-feldspar to 20%, albite? and 10% green mica with rare subhedral orange garnets to 3 mm, spodumene is greenish-white, blady, reaches 2.5 cm long with breaks along the crystal, they appear to be aligned and comprise between 2 and 25% locally, and perhaps 5% over the sample. Contact is irregular with the metasediment.	881375
2.62	3.43	Metasediment		Metasediment with a few 1-2 mm wide veinlets, otherwise it's homogeneous and is fine- to very fine-grained, has 25% dark phases, 25% light phases and 50% grey phases.	881376
3.43	3.44	EOH		EOH	

Channel Log WEST-16-CH-2

Company: Rock Tech Lithium
Property: West Lithium
Channel number: WEST-16-CH-2
claim number: TB67176
Logger: Harvey M. Buck
Start Date: 19-Sep-16
End Date: 19-Sep-16
Date logged: 21-Sep-16

collar coordinates:

easting 425651.382
northing 5477319.361
elevation 378.053
azimuth 67 from west end of channel
dip 0
final length (m) 9.97

comments:

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	0.95	Metasediment		About 1 cm of pegmatite at the east end of the channel, with 1 cm wide quartz feldspar veinlet, otherwise its homogeneous and massive with minor bleaching along fractures, metasediment is very fine-grained and has 30% light phases with the rest darker phases. Very poorly foliated at 014/76SE, possibly other foliations. Contact with pegmatite at 160/70W but contact shortly turns to north, holds locally around the channel.	881377
0.95	2.21	Spod Peg/Aplite	Spod	3 cm of pegmatite added from sample 881377. West end has 55 cm of spodumene pegmatite (including 3 cm from 881377), 2 to 10% spodumene, much of it altered to mica (85%) and that which is not altered is dark grey and partly rimmed by mica, crystals were blady, partly aligned and reached 6.5 cm long, the rest is K-feldspar (20-25%), quartz ~40%, and 5-10% mica that is not pseudomorphing spodumene, then there is an 18 cm band of aplite and another 30 cm band of aplite that is on the top half of the channel over spodumene pegmatite at the bottom, aplite is fine to very fine-grained, mostly grey with thinner dark grey bands and has about 7% mica, the remaining (including 4 cm band at the east end) is spodumene pegmatite with greenish-grey blady aligned spodumenes to 14 cm long with some dark green altered sections and minor mica replacement, comprising about 15% of the zone, with K-spar, quartz and 10% non pseudomorphing mica, overall maybe 1-2% spodumene in the sample.	881378
2.21	3.21	Spod Peg/Aplite	Spod	4 cm wide pod of grey very fine-grained aplite with 2-3% mica at the base of the channel in the centre of the sample, westernmost 22 cm of sample has 15-20% greenish to greenish-grey muscovite alteration of the spodumene pegmatite with patches of spodumene rich pegmatite, rest is all spodumene pegmatite with greenish-white, blady, partly aligned spodumene's reaching 7 cm long and comprising from 10 to 30% spodumene, probably about 10% spodumene overall in the sample.	881379
3.21	3.21	Blank		Blank	881380
3.21	4.19	Spod Peg/K-spar Peg/Aplite	Spod	About 8 cm of fine to very fine-grained greyish to pinkish-grey aplite with 5% mica, 11 cm of medium-grained K-spar and quartz pegmatite with very little spodumene, rest is spodumene pegmatite with greenish-white to white, blady, aligned spodumene to 5 cm long comprising between 5 and 25% locally of the sample with a few spodumenes that are altered and a dark green colour, comprise 5-6% of the sample overall.	881381

Channel Log WEST-16-CH-2					
4.19	5.36	Spod Peg/ Metasediment /K-spar Peg	Spod/Black Oxide	Westernmost 29 cm of the sample is spodumene pegmatite with 10-15% white, blady to needle like (small), generally nonaligned spodumenes reaching 3 cm long, a few are altered to dark green pseudomorphs with mostly quartz, a little K-spar, albite? and 10% mica, followed by 17 cm of K-spar + quartz + mica intermediate zone, rest is fine to very fine-grained greenish-grey to grey aplite with rare black oxides rimmed by radiation damage, and having about 3% mica, easternmost 38 cm is a partly digested metasedimentary xenolith that has chaotic quartz-feldspar veining digesting the bleached altered metasediment.	881382
5.36	6.37	Metasediment		Metasediment in centre of metasedimentary xenolith with 6 cm of 0.5-1 cm wide quartz-feldspar veinlets, some bleaching around fractures, metasediment is 30% light phase, 30% dark phase and 40% grey phase.	881383
6.37	7.38	Metasediment		Metasedimentary xenolith with the central 20 cm being a quartz-feldspar vein, with 20 cm of smaller veining surrounding the vein on the east side and the rest on the east side being unaltered metasediment, and 43 cm with smaller veining on the west side of the central vein (till edge of sample), metasediment is fine-grained and has about 35-40% light phases, the rest being dark phases.	881384
7.38	8.97	Aplite/Spod Peg	Spod/Black Oxide	Contact somewhat local (Azimuth should be okay) and undulating at 195 degrees/ dipping 50 West. 1.09 cm of grey fine to very fine-grained aplite in multiple band with about 2% mica and trace mm sized apatite, and trace black oxide's. 52 cm of banded spodumene peg and aplite, westernmost 12 cm wide spodumene pegmatite band has large K-feldspars to 3 cm, spodumene is green to greenish-white to white, is blady, appears to be non aligned, one reaches 8 cm long with the wider part in aplite, and spod varies from 5 to 25% but averages around 20% in the spodumene pegmatite, with abundant quartz, variable K-feldspar, 5% green mica and a 15 cm section where 5-7% of the mica in the section has replaced spodumene. 2 cm of metasediment at one end of the sample, overall spodumene is 5% of the sample. Sample 881386 is a duplicate of this sample.	881385
7.38	8.97	Aplite/Spod Peg	Spod/Black Oxide	Contact somewhat local (Azimuth should be okay) and undulating at 195 degrees/ dipping 50 West. 1.09 cm of grey fine to very fine-grained aplite in multiple band with about 2% mica and trace mm sized apatite, and trace black oxide's. 52 cm of banded spodumene peg and aplite, westernmost 12 cm wide spodumene pegmatite band has large K-feldspars to 3 cm, spodumene is green to greenish-white to white, is blady, appears to be non aligned, one reaches 8 cm long with the wider part in aplite, and spodumene varies from 5 to 25% but averages around 20% in the spodumene pegmatite, with abundant quartz, variable K-feldspar, 5% green mica and a 15 cm section where 5-7% mica in the section has replaced spodumene. Overall spodumene 5% of the sample. Note each end of this sample has about 1.5 cm of metasediment which is different than the previous sample. Sample 881385 is a duplicate of this sample.	881386 duplicate of 881385
8.97	9.97	Metasediment		Metasediment with five, 0.3-1 cm wide quartz to quartz-feldspar veinlets, some of which are rusty and discoloured from the normal white and two that appear folded, some bleaching associated with the veining and with small fracture planes. Metasediment is very fine-grained and is composed of 35% light phases, with the rest being intermediate and darker phases. First foliation is 91-271 degrees and is crosscut by the pegmatite, dip is steep but unknown. Second foliation is spotty at 7-187 with an unknown dip.	881387
9.97	9.98	EOH		EOH	

Channel Log WEST-16-CH-3A

Company: Rock Tech Lithium
Property: West Lithium
Channel number: WEST-16-CH-3A
claim number: TB67176

Logger: Harvey M. Buck
Start Date: 19-Sep-16
End Date: 19-Sep-16
Date logged: 24-Sep-16

collar coordinates:

easting 425661.245
northing 5477277.681
elevation 380.715
azimuth 59 from southwest end of channel
dip 0
final length (m) 6.69

comments:

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	0.96	Metasediment		Metasediment with 40-50% chaotic and folded banding from quartz veining and its associated auriole, which appears to be from fluids from the pegmatite intrusion, contact measured to the north of the channel and is at 147 degrees/47 degrees southwest, foliation is irregular and disrupted in the metasediment, which is bleached around veining and fractures and is composed of 50% light and 50% dark phases.	881392
0.96	1.4	Spod Peg/Aplite	Spod	About 1.5 cm of metasediment at contact and 0-4 cm of pegmatite added from sample 881392. The east side of the sample has 18 cm of fine to mostly very fine-grained grey to dark grey aplite with 15% brownish mica and trace mm sized blue apatite. Spodumene pegmatite is quartz rich (~40%), has 18-22% white K-spar as medium-grained to coarse-grained interstitial grains, with one reaching at least 3.5 cm long, may have some albite, has 1-2% interstitial light green mica, trace orange anhedral garnet grains to 5 mm wide, and 3-4% spodumene crystals that are blady, partly aligned (visible on the surface), the majority being green mica pseudomorphed spodumenes and a few dark green altered spodumenes that tend to be longer and bigger and reach 5 cm long (comprising 1% of the sample).	881393
1.4	2.64	Spod Peg/K-spar Peg	Spod	One 3 cm wide K-spar + quartz pegmatite zone, rest is spodumene pegmatite with 15 to 30% spodumene and averaging 20-22% overall. Spodumene is greenish-white to white, blady, aligned, several crystals are at least 10 cm long by 1 cm wide, and the greenist spodumene is at least 6 cm long by 2 cm wide, is found in spodumene pegmatite that is quartz dominant, variable interstitial K-feldspar containing, with 5 to 20% generally greenish but sometimes brownish mica, and about 1-2% of the spod having been replaced by green mica, with trace orange anhedral garnet to 5 cm wide.	881394
2.64	3.21	Aplite/Spod Peg	Spod	41 cm of dark grey very fine-grained aplite that is prominently bleached for 1 cm on the upper surface of the sample with 15% greenish to greenish-brown mica, with 3 bands of spodumene pegmatite totaling 16 cm of the sample. The spodumene pegmatite has 20-30% K-feldspar, lots of quartz, about 5% mica overall, trace blue apatite and about 20% greenish-grey to mostly greenish-white blady nonaligned spodumene to 3 cm long, spodumene probably 4-5% overall in the sample.	881395

Channel Log WEST-16-CH-3A					
3.21	4.2	Spod Peg/Aplite	Spod	31 cm of very fine-grained brownish-grey to greenish-grey aplite bands with 55 (for greenish mica) to 15% (brownish) mica alternating with spodumene pegmatite bands with 15 to 30% (generally 20%) greenish-white, blady, aligned (visible on surface and in sample) spodumenes, reaching at least 10 cm long, in 40-45% quartz, 15-25% K-feldspar, 10-15% greenish to brownish mica books and rare to trace small blue apatites. Overall about 14% spodumene.	881396
4.2	5.19	Spod Peg/K-spar Peg/Aplite	Spod	15 cm of aplite in the middle of the sample and 4 cm of aplite at the east end, aplite is very fine-grained grey to brownish-grey with about 15% mica and rare to trace blue apatites, and two dark green altered spodumenes to 1 cm wide, about 24 cm of K-spar pegmatite with the largest K-feldspar reaching 8 by 6 cm, and with about 2/3 of the K-spars being white and 1/3 being beige, both types occurring with quartz, 1-2% greenish mica books and about 4-5% greenish to mostly greenish-yellow mica pseudomorphs after spodumene, the longest being 5 cm, the ~56 cm remaining is spodumene pegmatite with about 15% blady, non aligned to sometimes aligned, greenish-white to rarely altered dark green, and up to 5 cm long spodumene, some spodumene is partly altered to green mica, with lots of quartz, variable medium to coarse-grained K-feldspar and 5 to 15% interstitial green mica. Overall ~8% spodumene.	881397
5.19	6.19	Spod Peg/K-spar Peg/Aplite	Spod/Black Oxides	8 cm of brownish-grey to grey fine to very fine-grained aplite at the west end of the sample, aplite with 12% mica and rare to trace black oxides, 15 cm of K-spar + quartz + mica pegmatite with the largest K-spar reaching 18 cm by 4 cm, the rest is spodumene pegmatite with 10-20% spodumene, generally about 15%, with the spodumenes being greenish-white to white to dark green (rarest), blady to blocky, appearing non aligned in the sample and surface, and reaching 2 cm in length, with a few spodumenes having altered to mica, associated with lots of quartz and K-feldspar and 10-12% mica books.	881398
6.19	6.69	Spod Peg/Aplite	Spod	0-3 cm of metasediment at the east end of the sample, 11 cm of very fine-grained grey to brownish-grey aplite with 15% mica and trace blue apatite in two bands near the west end of the sample, about 37 cm of spodumene pegmatite with 5% blady spodumene, some of which is aligned on the surface, occurring as about 1/3 dark green altered crystals to 7 cm long, 1/3 whitish spodumene, and 1/3 pseudomorphed and partly pseudomorphed spodumene altering to green mica, associated with quartz, K-spar, 5% green mica books unrelated to spodumene and trace orange anhedral garnet to 3 mm. Contact with metasediment taken 50 cm to the north of the channel and is fairly constant where exposed and is at 146 degrees/dipping 60 degrees southwest.	881399
6.69	6.69	Blank		Blank	881400
6.69	6.7	EOH		EOH	

Channel Log WEST-16-CH-3B

Company: Rock Tech Lithium
Property: West Lithium
Channel number: WEST-16-CH-3B
claim number: TB67176
Logger: Harvey M. Buck
Start Date: 19-Sep-16
End Date: 19-Sep-16
Date logged: 24-Sep-16

collar coordinates:

easting 425665.843
northing 5477281.83
elevation 381.737
azimuth 36 from southwest end of channel
dip 0
final length (m) 0.96

comments:

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	0.96	Metasediment		Massive metasediment with a number of mm sized veinlets cutting it that have small bleached rims, foliation was not readable and the composition is 10% light phase, 65% grey phase and 25% dark phase.	881401
0.96	0.97	EOH		EOH	

Channel Log WEST-16-CH-3W

Company: Rock Tech Lithium
Property: West Lithium
Channel number: WEST-16-CH-3W
claim number: TB67176
Logger: Harvey M. Buck
Start Date: 19-Sep-16
End Date: 19-Sep-16
Date logged: 24-Sep-16

collar coordinates:

easting 425650.419
northing 5477264.683
elevation 381.243
azimuth 36 from southwest end of channel
dip 0
final length (m) 2.95

comments:

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	0.99	Metasediment		Homogeneous metasediment with a few mm of bleaching around fractures, is fine to mostly very fine-grained and is comprised of 40% light phases with the rest being darker phases. Steeply foliated at 182-02. Contact with pegmatite is relatively constant at 120 degrees/dipping 68 degrees southwest.	881388
0.99	2.04	Spod Peg	Spod/Black Oxides	Whole sample is spodumene pegmatite except for 0 to 0.5 cm of metasediment at one end. Spodumene pegmatite is very quartz rich (40-60%), has variable white K-spar as medium-grained to coarse-grained interstitial grains, may have some albite, has 1-2% interstitial mica, trace blue anhedral apatite grains to 6 mm wide, trace mm sized black oxides and sulphides with rust around them, and 7-10% spodumene crystals that are blady, partly aligned (visible on the surface), with some green ones to 1.5 cm wide that are the most prestine, the majority being greenish-white with some parts having minor green mica, and a few dark green altered ones that tend to be longer with about 25% of the spodumene crystals being pseudomorphed to mica (comprising 2-3% of the sample) and the largest spodumene crystal was at least 6 cm long. Note in the sample picture, tag says this sample is 881391, which it is not.	881389
0.99	2.04	Low Standard		Low Standard	881390
2.04	2.95	Metasediment		Massive metasediment with a few 1-2 mm wide quartz veinlets that have small bleaching rims surrounding them, contact with pegmatite is fairly constant in strike and dip and is at 127 degrees/dipping 69 degrees southwest, weakly foliated at ~070-250 degrees. Note in the sample picture, tag says this sample is 881389, which it is not.	881391
2.95	2.96	EOH		EOH	

Channel Log WEST-16-CH-4

Company: Rock Tech Lithium
Property: West
Channel number: WEST-16-CH-4
claim number: TB67176
Logger: Harvey M. Buck
Start Date: 19-Sep-16
End Date: 19-Sep-16
Date logged: 9/26/2016, 9/27/2016

collar coordinates:

easting 425686.74
northing 5477235.601
elevation 387.029
azimuth 53 from southwest end of channel
dip 0
final length (m) 9.59

comments:

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	1.04	Metasediment		Metasedimentary rock, 0-4 cm of sample (Pegmatite) added to sample 881403. Has a 3 cm wide quartz-feldspar vein crosscutting the sample at an angle, has some chaotic banding that could be old layers in the sediment?, exhibits bleaching along fractures and is weakly foliated at 067/64 SE, the contact with the pegmatite is at 143/58 SW. Comprised of 40% light phase and 60% darker phases.	881402
1.04	2.47	K-spar Peg/Spod Peg/Wall Zone	Spod/Black Oxides	Contact with metasediment comprises 1.5 cm of comb structure K-spar + quartz and sample has 0 1.5 cm of metasediment at the contact, western 87 cm comprised of K-spar rich pegmatite with lots of quartz, 5% greenish to brownish medium-grained mica books. About 3-4% mica, associated with quartz and remnant spodumene replacing blady spodumene crystals that reached 4 cm and appear to be nonaligned, zone also has trace sulphide, trace anhedral orange garnet and trace black oxides, easternmost 55 cm of the pegmatite is regular spodumene pegmatite with spodumenes that appear to be aligned, are blady, reach at least 6 cm long, are usually greenish-white, some with a little bit of green mica replacing them and with a small minority that are altered dark green and spodumenes comprise 15-20% of the zone and probably 5-6% over the whole sample, are associated with some larger K-feldspars to at least 4 cm and 15-20% K-feldspar with 40-50% quartz, and about 5% mica as books.	881403
2.47	3.48	Spod Peg/Aplite	Spod	Aplite as small irregular patches and as a 4 cm wide band, aplite is dark brownish-grey, very fine-grained with about 20% green and brown mica, rest is spodumene pegmatite with 10-15% floating crystals of K-spar to 7 by 3 cm, spodumene is aligned, blady, greenish-white to white, reaches at least 7 cm long and exhibits no mica alteration, varies from 10-20% of the rock and probably about 12-13% of the sample, associated with 20% K-spar (variable), quartz, 10-20% darker green mica books, and trace blue apatite.	881404

Channel Log WEST-16-CH-4					
3.48	4.7	Spod Peg	Spod	Spodumene pegmatite with two large K-feldspars, the first is 7 cm from the west end and is at least 22 by at least 9 by 7 cm in size, the other large K-spar is in the middle of the sample and is 20 by 6 by at least 4 cm in size, the west end of the sample is a 2 cm wide band of brownish-grey very fine-grained aplite with 20% green and brown coloured mica, the spodumene is at least partly aligned, is usually greenish white to white but has a 7-8 cm wide section where the spodumene is altered to a dark green colour, all spodumenes are blady and they reach at least 7 cm long by 1.5 cm wide, abundance varies from about 6 to 20% with 8-10% overall and spodumene pegmatite is also composed of medium to coarse-grained K-spar crystals separate from the large crystals, lots of quartz, and about 10% medium-grained darker green mica books. Sample 881406 is a duplicate of this one.	881405 duplicate of 881406
3.48	4.7	Spod Peg	Spod	Spodumene pegmatite with two large K-feldspars, the first is 7 cm from the west end and is at least 22 by at least 9 by 7 cm in size, the other large K-spar is in the middle of the sample and is 20 by 6 by at least 4 cm in size, the west end of the sample is a 2 cm wide band of brownish-grey very fine-grained aplite with 20% green and brown coloured mica, the spodumene is at least partly aligned, is usually greenish white to white but has a 7-8 cm wide section where the spodumene is altered to a dark green colour, all spodumenes are blady and they reach at least 5 cm long, abundance varies from about 8 to 22% with ~10% overall and is also associated with medium to coarse-grained K-spar crystals separate from the large crystals, lots of quartz, and about 10% medium-grained darker green mica books. Sample 881405 is a duplicate of this one.	881406 duplicate of 881405
4.7	5.55	Aplite/K-spar Peg	Spod	Mostly an aplite band that runs along the sample, aplite is fine to very fine-grained, is grey to greenish-grey with darker bands to about 4 mm wide, has 15 to 20% greenish mica and the occasional cm scale (to 2 cm long) greenish-white, blady, nonoriented spodumene (1% of the aplite zone) and more rarely K-spar within it. The aplite is cut by about 30 cm of K-spar (to 7 cm long) + quartz + spodumene pegmatite in cm scale bands with between 10 and usually about 18% blady spodumene that is greenish-white to white, nonaligned, minimally altered to green mica (1-2% of a spodumene crystal) and reach 4 cm long, associated with trace blue apatite and about 10-12% interstitial dark greenish to greenish mica. Spodumene totals about 3-4% of the sample.	881407
5.55	6.55	Spod Peg/Aplite	Spod	3 cm band of brownish-grey very fine-grained aplite at the west end of the sample, near the east end of the sample there is a 16 by 6 by 6 cm long K-feldspar crystal, the remainder is spodumene pegmatite with K-spar variable from 10 to 25%, lots of quartz that is variable depending on the amount of K-spar, and 5% to subordinantly 10% green mica books. Spodumene is greenish white, blady, up to 5.5 cm long with some of the longer crystals being partly aligned but spodumene generally is mostly random, has less than 5% alteration to green mica, and comprises 10 to 20% of the zone and about 13% overall in the sample.	881408
6.55	7.54	Spod Peg/Aplite/K-spar Peg	Spod	Three bands totaling 16 cm of very fine-grained greenish-grey to more commonly grey aplite with 20% greenish mica and trace blue apatite, there is about 15 cm of K-spar dominant pegmatite with crystals to 4.5 cm associated with quartz, 5% blady spodumene and 5% mica, the rest is spodumene pegmatite with greenish-white to white, blady spodumenes where the longer ones are aligned and reach at least 11 cm, but the shorter ones are nonaligned to partly aligned and spodumene comprises 15 to 25% of the rock averaging 20% over the zone and about 16% over the sample, spodumenes are associated with 10-15% K-spar, 40-60% quartz and 10% green mica books.	881409
7.54	7.54	High Standard		High Standard	881410

Channel Log WEST-16-CH-4					
7.54	8.53	Spod Peg/Int Peg/K-spar Peg/Aplite	Spod	17 cm of K-spar (to 50 or more %) + quartz + spodumene + mica pegmatite in the middle of the sample where there is about 12% spodumene that is blady, reaches 2 cm long, is nonaligned and is altered to dark mica on the outside with 10-30% remnant greenish-white spodumene in the middle, east end is the contact which is slightly undulating but relatively consistant at 134 degrees/50 degrees southwest, for 30 cm from the contact, pegmatite is intermediate pegmatite with a 2 cm wide patch of very fine-grained aplite 4 cm from the contact which is comprised of 0.5 cm wide comb structure K-spar and quartz wall zone, intermediate pegmatite is 20-25% medium to coarse-grained white K-feldspar, 15-20% medium-grained green mica and 40-55% quartz, the rest of the sample is spodumene pegmatite, the 15 cm of spodumene pegmatite on the east side of the K-spar rich zone, has 10% blady green mica to subordinantly dark green mica pseudomorphs after spodumene in rock otherwise identicle to the intermediate pegmatite, the rest of the spodumene pegmatite on the west side of the sample has 15-20% greenish-white, blady, partly aligned spodumene to 4 cm long with 5-10% mica alteration occuring within 10 cm of the central K-spar zone as green to dark green mica in fractures or rimming the spodumene, associated with 20% or more K-spar, quartz and 10% grey medium-grained mica books.	881411
8.53	9.59	Metasediment		Massive metasediment with thin bleaching along fractures, 10 cm of metasediment sampled at the west end in contact with the pegmatite, then there is 25 cm that were not sampled in a low in the outcrop, then the rest was sampled to the east end. Comprised of about 40% light and 60% darker phases.	881412
9.59	9.6	EOH		EOH	

Channel Log WEST-16-CH-5

Company: Rock Tech Lithium
Property: West
Channel number: WEST-16-CH-5
claim number: TB67176
Logger: Harvey M. Buck
Start Date: 20-Sep-16
End Date: 20-Sep-16
Date logged: 27-Sep-16

collar coordinates:

easting 425722.924
northing 5477183.313
elevation 396.766
azimuth 55 from southwest end of channel
dip 0
final length (m) 12.29

comments:

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	0.99	Metasediment		Metasediment with 2 cm of pegmatite on the east end of the sample with half the pegmatite being comb structure K-spar and quartz, then the pegmatite described in the next sample, the rest is massive metasediment with a few thin bleaching traces along fractures, comprised of 30% grey phases and 35% light and dark phases, moderately foliated at 099 degrees/dipping 8 degrees S, undulating contact at 143 degrees/74 degrees southwest, should be representative.	881413
0.99	1.97	Spod Peg/Aplite	Spod	6 cm of grey very fine-grained aplite with 15 to 25% mica in several irregular pods, 15 cm of K-spar dominant pegmatite with a 15 by at least 10 by at least 8 cm K-spar crystal, the remaining 76 cm is spodumene pegmatite with 8-15% spodumene, about 10% average in the zone of green (fairly pristine and widest crystals), greenish-white (the majority) and some dark green altered near the giant K-spar, spodumene are blady, partly aligned crystals to 5 cm long with the green blocky spodumenes being up to 2 cm wide and a bit longer, within 20 cm from the southwest contact, the spodumene is mostly pseudomorphed into mica, spodumene pegmatite is associated with lots of quartz (to 50%), some K-spar and 15 to 20% medium-grained green mica books.	881414
1.97	2.97	Spod Peg/Aplite	Spod	Two 0.5 to 1 cm wide bands of very fine-grained brownish aplite with 25% mica, a 14 cm long crystal at the base of the channel, the rest is spodumene pegmatite, the southwestern end with large, green, blady, near pristine spodumene that are at least 11 cm long and 2 cm wide, they are non aligned, and comprise 15% of the sample, the spodumene in the south east half is green to greenish-white, blady, nonaligned and comprises 15 to 25% of the sample with crystals reaching 7 cm, overall spodumene is 18% in the sample, and is associated with lots of quartz, 15-20% K-spar, some albite crystals, 5 to 10% greenish mica books, trace mm sized blue apatite and very trace mm sized orange garnet.	881415
2.97	3.98	Spod Peg/Aplite	Spod	Aplite as a five cm wide pod near the centre of the sample, aplite is greenish-grey to brownish-grey, very fine grained and has 15% mica in the greenish section and 20% mica in the brownish section, and has some trace blue apatite, ~10 cm of the sample total is large, white to light beige K-feldspar crystals to 13 by 3.5 cm, the rest is spodumene pegmatite with 10 to 18% greenish-white, blady, partly aligned, spodumenes to 7 cm long, comprising about 15% of the sample, at the south east end of the sample, some of the spodumene is dark green and altered (1-2% of the spodumene overall), associated with 15% K-spar, lots of quartz (but variable), 10-15% green to darker green medium-grained mica books, and trace anhedral orange garnet to 3 mm.	881416

Channel Log WEST-16-CH-5					
3.98	5	Spod Peg/Aplite	Spod	25 cm of greenish-grey to more rarely brownish-grey very fine-grained aplite in a few bands and an irregular pod with 10% green to greenish-yellow mica, trace sulphide and trace blue apatite, the rest of the sample is spodumene pegmatite, within 7 cm of the southwest end of the sample all spodumene is altered to a dark green colour, spodumene is blady, aligned, reaches 7 cm long and comprises 25% of the section, and within 20 cm of the south-east end, most of the spodumene is altered and falls to 8% of the section, and the remaining spodumene to the north west is blady, non aligned, partly altered to green mica but not the dark green seen in the southeast, and comprises 6 to 15% of the section, for about 6-7% spodumene overall in the sample, spodumene pegmatite has ~20% medium-grained K-spar, lots of grey quartz, 5-10% green mica and trace blue apatite.	881417
5	6.05	Spod Peg/Aplite	Spod	Aplite in two bands, a 2 cm thick one near the south east end and a 4 cm band near the middle, aplite is grey, very fine-grained, has 15% mica and rare to trace mm sized blue apatites, the rest is spodumene pegmatite, spodumene in a 7 cm long section at the north west end is altered and dark green, is blady, aligned, continues into the previous sample and is about 25% spodumene in that short section, going southeast the spodumene becomes greenish-white and trails off to the sample average of about 12-15%, spodumene can reach 11 cm but as one goes further southeast in the sample it becomes pseudomorphed to green and light green mica, rest is about 15-20% K-spar, some albite?, lots of grey quartz, and 5% mica books.	881418
6.05	7.06	Aplite/Spod Peg/K-spar Peg	Spod	Two 3 cm wide bands to patches of aplite and at about 60-65 cm towards the southeast end where much was under water, aplite is generally brownish-grey but is light grey at the southeast end, is very fine-grained, has 15% mica in the light grey section and 25-30% mica in the brownish-grey sections, spodumene crystals rarely extend into the aplite, there is about 30 cm of spodumene pegmatite, 25 cm at the northwest end and a few very K-spar rich pegmatite bands after with spodumene at 15-20% as usually greenish-white to occasionally dark green crystals, all are blady, spodumene pegmatite ones are aligned, K-spar pegmatite ones may or may not be, they reach 10 cm by 2 cm, spodumene pegmatite has lots of quartz, K-spar Peg has some quartz, and about 20% green mica books, spodumene pegmatite has 7% green mica books. Spodumene might be 5% overall in the sample.	881419
6.05	7.06	Blank		Blank	881420
7.06	8.06	Aplite/Spod Peg	Spod	30 cm of spodumene pegmatite at the south east end of the pegmatite that has some irregular aplite mixed in, spodumene from 5% (SW) to 25% (NE) as blady, nonaligned, greenish-white crystals to 6 by 1 cm, associated with 20-25% K-spar, 40-50% grey quartz, 10-15% green mica books, and rare anhedral reddish-orange garnet to 4 mm, and trace blue apatite, the rest of the sample has one at least 7 by at least 7 by at least 3 cm K-spar in greenish grey to dark grey fine to very fine-grained aplite with 10-15% interstitial mica, but it also has medium-grained mica in irregular bands in the aplite, where there is 50% mica, and trace blue apatite. Probably up to 5% spodumene overall.	881421
8.06	9.06	Spod Peg/Aplite/K- spar Peg	Spod	Three pods of aplite in the southwest half totaling 23 cm of the sample where the aplite is grey to greenish-grey to dark grey, is very fine-grained, has 20-25% mica and has a few larger spodumenes and more rarely K-spar crystals within it, 10-15 cm of K-spar + quartz + blady spodumene (to 5%) pegmatite in a few bands, the rest is spodumene pegmatite with greenish-white to white, blady, semi aligned spodumenes varying from 10 to 30% of the zone, probably 12-15% overall, with associated K-feldspar, quartz, 5% mica books and rare blue apatite, and trace reddish-orange subhedral garnets to 4 mm.	881422

Channel Log WEST-16-CH-5					
9.06	10.06	Spod Peg/K-spar Peg/Aplite	Spod	Two pods totaling 19 cm of grey to greenish-grey very fine-grained aplite with 10% mica, 27 cm of K-spar + quartz + mica peg with minor spodumene, the rest is spodumene pegmatite with 10 to mostly 15 to 20% to locally 35-40% greenish-white to rarely white, blady, aligned spodumene, associated with K-spar, quartz, about 10% mica books and trace blue apatite.	881423
10.06	11.27	Intermediate Peg/K-spar Peg	Spod	1-5 cm of metasediment at the northeast end, contact is somewhat undulating and is at 145 degrees/dipping 34 degrees SW, 1 cm of comb structure K-spar + quartz wall zone, central 56 cm of the sample is a K-spar + quartz + green mica after blady, nonaligned spodumene reaching a few cm (~ 8% of the zone), associated with rare orange garnets to 2 mm, the rest is intermediate pegmatite with 10-15% of greenish mica books with a few mica pseudomorphs after spodumene?, this zone is more K-spar rich on the southwest side of the outcrop, overall spodumene probably 1-2%.	881424
11.27	12.29	Metasediment		Metasediment with 37 cm of pegmatite in irregular pods and veins, some is aplitic but most is spodumene pegmatite with spodumene to 5% in the veins, the metasediment is somewhat bleached, has a couple of 1-2 cm wide quartz veins crosscutting it, is foliated at 041 degrees/dipping 33 degrees SW (taken to the south of the channel), metasediment is composed of 35% light phases, the rest are darker phases. This is a duplicate of sample 881426.	881425
11.27	12.29	Metasediment		Metasediment with 37 cm of pegmatite in irregular pods and veins, some is aplitic but most is spodumene pegmatite with spodumene to 5% in the veins, the metasediment is somewhat bleached, has a couple of 1-2 cm wide quartz veins crosscutting it, is foliated at 041 degrees/dipping 33 degrees SW (taken to the south of the channel), metasediment is composed of 35% light phases, the rest are darker phases. This is a duplicate of sample 881425.	881426, duplicate of 881425
12.29	12.3	EOH		EOH	

Channel Log WEST-16-CH-7

Company: Rock Tech Lithium
Property: West
Channel number: WEST-16-CH-7
claim number: 3005434
Logger: Harvey M. Buck
Start Date: 20-Sep-16
End Date: 23-Sep-16
Date logged: 28-Sep-16

collar coordinates:

easting 425592.756
northing 5476889.283
elevation 410.248
azimuth 164 from northwest end of channel
dip 0
final length (m) 6.05

comments: This trench was named West Trench 7 because a large exposed trench of the west pegmatite was uncovered but not sampled inbetween Trench 5 and Trench 7. This trench was poorly washed due to the distance from the water source.

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	1	Metasediment		Massive metasediment with about 6 cm of pegmatite dyke at the northwest end of the sample, dyke is mostly quartz with some K-spar, a little mica and green amphibole??, about 40% light and 60% dark phases.	881427
1	2.04	Spod Pegmatite/ Aplite/ Intermediate Peg	Spod	Contact appears to be straight at 240 degrees/dipping 58 degrees NW, first 6 cm in NW appears to be intermediate pegmatite with no visible spodumene, it is mostly quartz with white K-spar and 15% green medium-grained mica books that do not look like pseudomorphs, then 12 cm of greenish to lesser brownish-grey very fine grained aplite with about 15% mica, then in the rest of the sample is about 5 cm of blocky K-feldspars in spodumene pegmatite where the spodumene is blady, greenish-white, nonaligned, and reaches 3 cm long, comprising 10-15% of the zone and maybe 8-10% overall in the sample, associated with 20-25% K-spar, 50% quartz and 5-10% medium-grained mica books.	881428
2.04	2.94	Spod Peg	Spod	86 cm sampled on NW side, 4 cm gap to next sample due to corner in the rock, about 1/3 under water so it was not observed well in the field, whole sample is K-spar rich spodumene pegmatite, white K-spar reaches 7 cm, but most larger crystals are under 2 cm, and K-spar comprises 20-30% of the zone, grey quartz varies from 40-50%, green to light green medium-grained mica books comprise about 5% and very little mica appears to be replacing spodumene which comprises 10-15% of the rock locally, maybe 12% overall as blady, greenish-white, randomly oriented crystals to 2.5 cm long.	881429
2.04	2.94	Low Standard		Low Standard	881430

Channel Log WEST-16-CH-7					
2.94	3.57	Aplite/Spod Peg	Spod/Black Oxide	Sample 60% aplite, 40% spodumene pegmatite, from the NW end sample is spodumene pegmatite on top and aplite on the bottom to the middle of the sample, then the samples top and bottom are aplite and the samples centre is spodumene pegmatite (spodumene pegmatite is all one layer), very fine-grained greenish-grey aplite has 5-10% green mica and trace rectangular black oxides to 1 mm, spodumene pegmatite zone is up to 5 cm wide with 5-10% greenish-white to dark green rimmed altered spodumene to greenish mica pseudomorphs after spodumene, which are non aligned, reach 1.5 cm long, are blocky to blady and are mica replaced where the abundance is less, overall spodumene is 2-4% of the sample.	881431
3.57	4.6	Spod Peg/ Intermediate Peg/Aplite/K-spar Wall Zone	Spod/Black Oxide	Two sections seperated by a 10 cm gap at a notch in the outcrop, ~30 cm on the southeast side and ~65 cm on the northwest side, southeast section has 0-4 cm of metasediment that continues under the sample for 20 cm, contact is undulating, poorly exposed, and is at 229 degrees/70 degrees NW, then 1 to 1.5 cm thick wall zone of comb structure K-spar + quartz (22 cm long at base of sample), rest is intermediate pegmatite with 25-30% K-spar, 15% albite?, 40% quartz, 5% green mica and one or two possible green mica pseudomorphs? after spodumene? to 1 cm long, with trace orange garnet to 2 mm, the northwest section from the edge has 20 cm of grey very fine-grained aplite with 15% mica and trace rectangular black oxides to 1 mm, over top of a 5 cm thick spodumene pegmatite zone with 1-2% spodumene and 5% mica books which quickly becomes much more spodumene rich to the southeast in the main sopodumene pegmatite zone, spodumene is greenish-white, blady, reaches 1 cm long, is nonaligned and comprises about 15% of the zone, associated with 20% K-spar, lots of quartz, 10% medium-grained mica books and trace orange subhedral garnet to 2 mm, 3-4% spodumene overall in the sample.	881432
4.6	5.05	Metasediment		Massive metasediment with one or two mm sized white quartz veinlets, comprised of 30-35% light phases, the rest being darker phases.	881433
5.05	6.05	Metasediment		Massive metasediment with one 2 mm wide quartz veinlet, metasediment comprised of 50% light and 50% dark phases, 2 mm to 1 cm wide pegmatite layer at the top of the sample that is probably about 2-3% of the sample.	881434
6.05	6.06	EOH		EOH	

Channel Log WEST-16-CH-8

Company: Rock Tech Lithium
Property: West
Channel number: WEST-16-CH-8
claim number: TB67185
Logger: Harvey M. Buck
Start Date: 20-Sep-16
End Date: 20-Sep-16
Date logged: 28-Sep-16

collar coordinates:

easting 425544.152
northing 5476856.599
elevation 405.02
azimuth 138 from northwest end of channel
dip 0
final length (m) 5.77

comments: Trench was poorly washed due to the distance from the water source

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	0.88	Metasediment		Massive metasediment with bleaching rims on fractures to 1 cm from the fracture, composed of 40% light phases and 60% darker phases, note the sample ends at a dip at the contact with the pegmatite which was not cut, not at the cut which is in the next sample in the wrong place, contact is covered but strikes at 224 degrees/ dipping 80 degree NW and was taken 1 m to the west.	881435
0.88	2.56	Spod Peg/ Intermediate Peg/Aplite	Spod	Note the sample includes 12 cm to the northwest end of the crosscut to the contact, and has 1 cm thick K-spar + quartz wall zone, sample has at least two bands of greenish-grey, very fine-grained aplite with 15% greenish to greenish-yellow mica and trace mm sized blue apatite, rest is two kinds of spodumene pegmatite, ~40 cm at the south east end has 10-22 % spodumene that is dominantly greenish-white to occasionally dark green altered on the outside, all are blady, aligned in places, random in others, spodumene reaches 3.5 cm long, associated with K-feldspar, quartz, ~2% mica books and trace orange garnet to 1 mm, the other spodumene pegmatite/Intermediate Pegmatite comprises the rest of the sample, is similar to the previous spodumene pegmatite except it may have 10% albite?, and it has about 10% greenish-yellow mica that appears to be pseudomorphs after blady, aligned spodumenes that reached 3 cm long, associated with rare to trace 1-2 mm anhedral orange garnets.	881436
2.56	3.59	Spod Peg/Aplite	Spod	A 3 cm irregular grey very fine-grained pod of aplite with 5% mica and trace blue apatite, about 20 cm total of K-spar +- quartz pegmatite with K-spars reaching 7 cm by 3 cm by 3 cm, the rest is spodumene pegmatite with 10-20% spodumene, probably 12% overall in the sample, spodumene is all blady, reaches 6 cm long, is aligned in some places, random in others, about 2/3 is greenish-white crystals and 1/3 is dark green to black altered spodumene which is grouped together in several spots along the sample, associated with variable K-spar to 30%, variable quartz to 45-50%, and 5-7% mica books.	881437

Channel Log WEST-16-CH-8					
3.59	4.57	Spod peg/K-spar Peg/Aplite/ Wall zone	Spod	Sample has 0-1 cm of metasediment at the southeast side, has 1 cm of poorly developed comb structure K-spar + quartz + mica at the contact, which is at 232 degrees/dipping 71 degrees to the northwest, 6 cm of very fine-grained greenish-grey aplite in three bands, one of which is a 2 cm band by the wall zone, with 10-15% mica and trace blue apatite, 6 cm of K-spar + quartz + mica pegmatite, the rest is spodumene pegmatite with 20-30% K-spar as interstitial crystals and as large stand alone K-spars, 40-50% quartz, 15% mica books and spodumene comprises from 10 to 15% of the zone, spodumenes are blady, reaching 6.5 cm long, are partly oriented and about 70% of the spodumenes are greenish-white, with another 30% having dark green alteration throughout or much more commonly dark green rims surrounding greenish-white spodumene, some of the spodumenes especially near the southeast end are completely altered to greenish-yellow mica pseudomorphs, this is where the spodume percentage is lowest, spodumene probably 8-10% overall.	881438
4.57	5.77	Metasediment		Massive metasediment with common bleached patches throught, a few rusty 2-3 mm wide quartz veinlets, no foliation was observed because the surface was so dirty, composed of 35% light and 65% darker phases.	881439
4.57	5.77	Blank		Blank	881440
5.77	5.78	EOH		EOH	

Channel Log L60-16-CH-11

Company: Rock Tech Lithium
Property: Line 60
Channel number: L60-16-CH-11
claim number: 3005434

Logger: Vittoria Smith, Harvey M. Buck
Start Date: 27-Aug-16
End Date: 28-Aug-16
Date logged: 8/27/2016, 8/28/2016 &9/06/2016

collar coordinates:

easting 426223.243
northing 5476918.230
elevation 414.487
azimuth 97
dip 0
final length (m) 25.12

comments: The western contact was not exposed and the channel ends in water.

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	0.87	Spod Peg	Spod	Sample has about 15cm of aplite and the rest is spodumene pegmatite. Sample is rich in green muscovite with a couple large k-spar crystals. Spodumene is light green, randomly oriented and <0.5cm in length. Spod composes roughly 15% of samples. Samples also contain some minor black oxides.	881288
0.87	1.87	Spod Peg	Spod	15cm grey aplite. 2-3cm kspar crystals, and the rest is spodumene pegmatite. Spodumene is roughly 25% of the samples. Light green in colour, and abundant green muscovite. Other minerals in the sample include albite, quartz, and minor black oxides. spodumene is randomly oriented and variable in size, although the longest crystal is 4cm.	881289
1.87	1.87	HIGH STANDARD		High Standard	881290
1.87	2.87	Spod Peg	Spod	12cm of patchy aplite and 13cm of k-spar pegmatite. Rest is spodumene pegmatite. The spodumene is light green in colour, bladed, and up to 2.5cm in length. The spodumene is randomly oriented in most samples, except for one where it seems fairly parallel and makes up roughly 15-20% of the samples. Samples also have wuggy quartz veins, and are rich in mica with some black oxides.	881291
2.87	3.86	Kspar Peg & Spod Peg	Spod	Spodumene is light green, randomly oriented and composes roughly 15% of the total samples. Crystals are <0.2cm at their longest. Sample also contains quartz, albite, kspar green muscovite and some black oxides. Sample also contains some sacchoidal albite and quartz veins which have some small wugs.	881292

Channel Log L60-16-CH-11					
3.86	4.87	Spod Peg	Spod	10cm of aplite near 10cm of kspar pegmatite and rest is spod peg. Spodumene is green and needlike with crystals up to 3cm in length, however most are considerably smaller. Some cleavandite finer grained cleavandite. Other minerals include kspar, quartz, green muscovite nad black oxides. Sample is also cross cut by thin black veinlets (black oxides). Spod comprises roughly 20% of sample.	881293
4.87	5.86	Kspar peg and Spod peg	Spod	80cm of kspar peg and rest is spodumene peg. Kspar peg is kspar, quartz, green muscovite and some spodumene. The spod pegmatite is kspar, albite, cleavandite, quartz, spodumene with veinlets of black oxide and veinlets of quartz and feldspar. the spodumene makes up only about 10% of the total samples, and it is bladed, green and up to 0.5cm in length with a random orientation.	881294
5.86	6.87	kspar peg and spod peg	Spod	36cm of kspar pegmatite which is composed of quartz, light pink k-spar, green muscovite and accessory garnet. The rest is spodumene pegmatite and the spodumene is light green, bladed and randomly oriented. Also occurring is cleavandite in finer grained white needles. The spodumene crystals range in size with the largest being about 2cm long, and makes up roughly 15% of the samples. The spodumene pegmatite also contains muscovite, k-spar, albite and quartz.	881295
6.87	7.86	Aplite/ Kspar Peg/Spod Peg	Spod	Sample is 32cm of aplite, 10-15cm of spodumene pegmatite and the rest k-spar pegmatite. Spodumene is green in colour, randomly oriented, roughly 2cm long at its longest, however most is much finer grained and composes maybe 5% total of the samples. The kspar pegmatite has light peach coloured kspar, muscovite, quartz, and minor black oxides. There are some graphic intergrowths between the quartz and kfeldspar.	881296
7.86	8.86	Kspar peg/Spod Peg	Spod	Sample has a 5cm pod of aplitic peg and 30-35cm of kspar peg. The rest is spod peg. The kspar peg is kspar, quartz, muscovite, ome small patch of radiating clewandite and small of black oxides and fine grained garnet. The spodumene in the sample is pale to lime green and is randomly oriented with the largest being up to 1.5cm long. The spodumene pegmatite also has kspar, quartz, albite, minor black oxides, and muscovite.	881297
8.86	9.96	Kspar peg/Spod Peg	Spod	10cm of kspar peg, 25cm of pody aplite and the rest is spodumene pegmatite. The kspar pegmatite is kspar with some quartz intergrowths, quartz, muscovite, albite and minor black oxides. Spodumene crystals are light green, needle like to bladed and are mostly randomly oriented, except in one of the samples which they are quite parallel. The spodumene comprises roughly 15-20% of the sample, but comprise up to 30% locally of the spodumene pegmatite.	881298
9.96	10.97	Kspar peg/Spod Peg	Spod	12cm of kspar pegmatite, 8cm of aplite and the rest is spodumene pegmatite. The Kspar pegmatite is kspar, muscovite, quartz, minor black oxides and albite and is cross cur by veins with quartz. The spodumene pegmatite is spod, ablite, kspar, quartz and muscovite. the spodumene is 2.5cm at its longest, however most of it is much smaller. the spodumene is randomly oriented for the most part, except in one of the samples wher it it looks almost parallel oriented. It is light to dark green in colour. also occurring in cleavandite in thin white needles within the spodumene pegmatite. tghe spodumene comprises up to 30% of the spodumeme pegmatite locally, but overall is only roughly 15-20% of the total samples.	881299

Channel Log L60-16-CH-11					
10.97	10.97	BLANK		BLANK	881300
10.97	12.07	Kspar peg/Spod Peg	Spod	31cm of kspar pegmatite, 10cm of very fine grained aplite patch and the rest is spodumene peg. Kspar peg is mostly Kspar with quartz albite and some muscovite. The spodumene pegmatite is spod, quartz, kspar, and muscovite. Both have some black oxides. The spodumene is light green to lime green and is generally finer grained, bladed and up to 1cm at its longest. Spod is randomly oriented and makes up about 15% of the samples. Also present within the spod peg is some fine grained needle like white crystals (cleavandite?), but there are only a couple present.	881301
12.07	12.97	Aplite/Kspar Peg/Spod Peg	Spod	31cm of Kspar pegmatite and two 2cm bands of spodumene pegmatite, the rest is mostly aplite. Kspar peg is kspar, muscovite, quartz, albite and some black oxides. Large crystals of albite are occurring near the contact between the aplite and spodumene pegmatite. The spodumene in the pegmatite is finer grained, and crystal length is restricted to less than 0.5cm. They are light green in colour, randomly oriented and the spodumene comprises of <5% of the total samples.	881302
12.97	13.96	Aplite/ Kspar Peg/Spod Peg	Spod	15cm of aplite, 32cm of kspar peg and the rest is spodumene peg. The kspar peg is kspar, muscovite and quartz, with some black oxides. The spodumene is light green in colour, up to 2cm long and some crystals are over 1cm thick. The spodumene pegmatite also has quartz, albite and muscovite. The spodumene is randomly oriented and comprises roughly about 20% of the total samples. The muscovite within the spodumene pegmatite is lime green.	881303
13.96	14.93	Aplite/ Spod Peg	Spod	10cm of aplite and the rest is spodumene pegmatite. The spodumene is light green, up to 2cm long (although size is highly variable) and randomly oriented, the spodumene composes up to 20% of the samples. The other minerals occurring within the samples are muscovite, black oxides, albite, minor kspar and quartz.	881304
14.93	15.93	Spod Peg	Spod	5cm of aplite and the rest spodumene pegmatite. The spodumene is very light green, randomly oriented and less than 1cm in length, it comprises roughly 30% of the samples. Thin quartz veins cross cut the spodumene pegmatite. The other minerals present within the spodumene pegmatite are quartz, muscovite, albite and some black oxides. The contact between the aplite and the spodumene pegmatite has a fine grained black rim around it.	881305 DUPLICATE OF 881306
		Spod Peg	Spod	16cm of aplite and the rest spodumene pegmatite. The spodumene is light green and randomly oriented and less than 1.5cm in length, it comprises roughly 30% of the samples. Thin quartz veins cross cut the spodumene pegmatite. The other minerals present within the spodumene pegmatite are quartz, muscovite, albite and some black oxides. Contact between the aplite and the spodumene pegmatite has a fine grained black rim around it.	881306 DUPLICATE OF 881305

Channel Log L60-16-CH-11					
15.93	16.97	Aplite/ Kspar peg/ Spod peg	Spod	42cm of aplite 12cm wide kspar, qtz and spodumene band between aplite and the rest is spodumene pegmatite. The spodumene within the band with the kspar is much coarser grained than the spodumene within the spod peg. The sodumene in the band is up to 4cm at its longest, green and randomly oriented. The spodumene within the spod pegmatite is <0.5cm in length and much finer grained, lighter green and stull randomly poriented. the contact between the spodumene pegmatite and the aplite has a fine grained black band along it. Veins of quartz and oxides cross cut the aplite. the muscovite within these samples is very green. within the pegmatite the spodumene is up to 30% locally but overall the spodumene comprises up to 20% of the samples.	881307
16.97	18	Aplite/ Kspar Peg/Spod Peg	Spod	39cm of aplite in bands, 10cm of kspar pegmatite and the rest is spodumene pegmatite except for two bands of kspar, qtz and spodumene veins that are about 3cm thick. The kspar pegmatite is kspar, quartz, muscovite and some black oxides. The spodumene is variable in size up has a length up to 1.5cm at its longest. it is randomly oriented, light green and comprises up to 40% locally in some areas of the spodumene pegmatite. Overall it comprises maybe 15-20% of the total samples. Some kspar crystals show graphic intergrowths with quartz, and the spodumene within the kspar bands is bladed and much more coarse than the spodumene within the spod peg which is at its longest is only around 0.5cm in length.	881308
18	19	Aplite/ Kspar Peg/Spod Peg	Spod	20cm of kspar peg in two bands and 27cm of aplite in 3 bands, the rest is spodumene pegmatite. The kspar pegmatite is kspar, quartz, muscovite, albite and some black oxides. The spodumene withn the spodumene pegmatite ranges up to 2cm in length and it light greenish gray in colour. they are randomly oriended and make up roughly 35% of the spodumene pegmatite. the contacts between the aplite and pegmatites are sharp, and the contact between the kspar pegmatite and spodumene pegmatite is gradational within a small area. The spodumene composes between 15-20% of the sample. other minerals within the spodumene pegmatite are quartz, albite, some kspar, muscovite and two crystals of fine grained blue apatite were also found.	881309
19	19	LOW STANDARD		Low standard	881310
19	19.98	Spod Peg/Aplite	Spod	2 cm of K-spar pegmatite of a 6 cm long crystal (that is mostly in sample 881309), 45 cm of aplite pegmatite with about 4-5% green very fine-grained mica and sharp contacts with spodumene pegmatite. The spodumene pegmatite comprises only a few % greenish-yellow spodumene, which appears to be randomly oriented and reaches about 5 mm in length, has 15-20% green muscovite mica and 30-35% grey quartz with the rest being K-feldspar and albite? The spodumene content appears to be less than 1% overall.	881311

Channel Log L60-16-CH-11					
19.98	21.01	Spod Peg/Aplite	Spod	16 cm of aplitic pegmatite as pods with sharp contacts and about 4% very fine-grained green muscovite. Rest is spodumene pegmatite with light green blady spodumene to a few mm that appears to be random and is rare overall in the sample. Cm sized sections that are very quartz rich, with generally 35-40% grey fine to medium-grained quartz, 10-15% green to greenish-grey muscovite, K-feldspar to 1cm in quartz poorer sections and the rest being albite.	881312
21.01	22.01	Spod Peg/Aplite/K-spar Peg	Spod	About 1/3 of the channel is under water, 16 cm of aplite with 2% fine-grained green muscovite and a few mm sized grains of blue apatite, aplite has sharp contacts, 12 cm of grey to white massive quartz core that has 4 cm of unsampled channel at the base of a cliff in the quartz core, several 2-3 cm sections of white K-spar crystals with some grey quartz, the rest is medium-grained intermediate pegmatite with 35% quartz, 15% light green muscovite, and the remainder being albite with rare K-spars. Rare to trace light green spodumene is up to a few mm long, is blady and randomly oriented in the pegmatite.	881313
22.01	23.03	Spod Peg/Aplite/K-spar Peg	Spod	20 cm of aplite in bands with relatively sharp contacts and containing 3-4% light green muscovite and trace blue apatite, two 6 cm wide K-spar pegmatite bands with up to 10% muscovite, 25% K-spar and the rest being quartz, the remainder of the pegmatite is spodumene pegmatite. The spodumene is light grey, randomly oriented needles to about 11 mm long and varies from <5% in lighter coloured medium-grained spod peg to 30-35% in the medium to fine-grained dominant darker phase which has 30% grey quartz, 1% muscovite and the rest being albite? giving ~15% spod in the sample.	881314
23.03	24.1	Spod Peg/Aplite/K-spar Peg	Spod	5 cm of quartz vein which is parallel to the contact (which is at the east end of this sample), 19 cm of K-spar and quartz pegmatite with 0.5% orange subhedral garnets to 2 mm, and about 10% greenish-grey muscovite, 11 cm of the K-spar pegmatite is found at the contact and has aligned K-spars perpendicular to the contact, (note a small piece of the metasediment was found at the contact and was put in sample 881316), 30 cm of aplite in several bands with sharp contacts, aplite has trace orange garnets to 1 mm and 5% green muscovite mixed in with 30-35% cleavelandite, the remaining sample was bands of spodumene pegmatite where the blady light green spodumene reaches 15 mm long and comprises between 2-30% spodumene with an average in the spodumene pegmatite of 15%, or at most 5% overall in the sample, spod is associated with 5% green mica, trace blue apatite and orange garnet and occasional medium-grained K-spars, the balance being quartz and albite.	881315
24.1	25.12	Metasediment		Fine-grained metasediment with 50% lighter phase and 50% darker phase evenly distributed within the sample. Single cm wide white quartz vein with occasional rounded medium-grained grey quartz fragments? within it. Small piece of metasediment added to this sample from 881315.	881316
25.12	25.22	EOH		EOH	

Channel Log L60-16-CH-11East

Company: Rock Tech Lithium
Property: Line 60
Channel number: L60-16-CH-11East
claim number: 3005434

Logger: Harvey M. Buck
Start Date: 22-Aug-16
End Date: 22-Aug-16
Date logged: 22-Aug-16

collar coordinates:

easting 426276.884
northing 5476905.501
elevation 418.487
azimuth 173 from north end
dip 0
final length (m) 3.55

comments: Same granitic pegmatite that has a nearby section of quartz core and core-margin zones with the core margin containing muscovite, lepidolite and molybdenite, located ~35 m east of trench 11, azimuth derived by adding 90 degrees to the contact strike as the channel was perpendicular to it and no azimuth was taken.

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	0.98	metasediment		Metasediment has some cm scale banding with the metasediment comprising 50% fine-grained light phase and 50% fine-grained dark phase that has 5% biotite overall, with a 5 cm wide aplite/quartz vein containing 50% quartz, 30% albite and 20% mica, with the quartz vein section being mostly quartz, there is also a 3 cm wide aplite with 15% mica found in the middle of the sample, contact with the pegmatite at 083/32S, metasediment foliated at 078/44S.	881283
0.98	1.99	K-feldspar pegmatite		Porphyritic intermediate grey granitic pegmatite with ~35% cream coloured subhedral to euhedral K-feldspars that are matrix supported, peg has 10% darker minerals that appear to be mostly fine-grained to medium-grained dark green mica (some of which rims feldspar), and the rest is fine-grained quartz and some feldspar. Grey coloured except around some fractures where the rock is bleached and there is 0.5 cm of bleaching along the upper surface	881284
1.99	2.58	K-feldspar pegmatite		Porphyritic intermediate grey granitic pegmatite with ~35% cream coloured subhedral to euhedral K-feldspars that are matrix supported, peg has 10% darker minerals that appear to be mostly fine-grained to medium-grained dark green mica (some of which rims feldspar), and the rest is fine-grained quartz and some feldspar. Grey coloured except around some fractures where the rock is bleached and there is 0.5 cm of bleaching along the upper surface. Sample is a duplicate of 881286. Contact with country rock (south end of the pegmatite) is at 085/70S, and there is about 1 cm of country rock in the sample.	881285
1.99	2.58	K-feldspar pegmatite		Porphyritic intermediate grey granitic pegmatite with ~35% cream coloured subhedral to euhedral K-feldspars that are matrix supported, peg has 10% darker minerals that appear to be mostly fine-grained to medium-grained dark green mica (some of which rims feldspar), and the rest is fine-grained quartz and some feldspar. Grey coloured except around some fractures where the rock is bleached and there is 0.5 cm of bleaching along the upper surface. Sample is a duplicate of 881285. Contact with country rock (south end of the pegmatite) is at 085/70S and there is about 1 cm of country rock in the sample.	881286, duplicate of 881285
2.58	3.55	metasediment		Metasediment has some cm scale banding, with the metasediment comprising 50% fine-grained light phase and 50% fine-grained dark phase that has 5% biotite overall. It is foliated at 071/64S	881287
3.55	3.56			EOH	

Channel Log L60-16-CH-12A

Company: Rock Tech Lithium
Property: Line 60
Channel number: L60-16-CH-12A
claim number: 3005434

Logger: Harvey M. Buck
Start Date: 20-Aug-16
End Date: 20-Aug-16
Date logged: 20-Aug-16 to 22-Aug-16

collar coordinates:

easting 426207.759
northing 5476883.548
elevation 413.417
azimuth 114
dip 0
final length (m) 7.9

comments:

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	1.01	metasedimentary rock		fine-grained black with 5% mica, weakly foliated; offset vertically down about 65 cm	881251
1.01	1.54	metasedimentary rock		fine-grained black with 5% mica, weakly foliated; 5 cm of pegmatite was put into 881253	881252
1.54	2.54	aplite	spod	67 cm fine-grained aplite with greenish muscovite; 12 cm band of coarse-grained white K-feldspar-rich, quartz and green muscovite; 21 cm is a band of green muscovite-rich with pale green spodumene up to 18% spod randomly oriented and trace pink K-feldspar	881253
2.54	3.56	aplite	spod	45 cm of fine-grained aplite at the top of the channel with greenish muscovite; patches of K-feldspar rich peg with grey quartz, K-feldspar is up to 6 cm long; patches of fine-grained pale green spod needles with up to 40% spod in small patches randomly oriented	881254
3.56	4.61	spod peg	spod	fine-grained pale green spod needles up to 2 cm long random spod, about 15% spod, with quartz and fine-grained muscovite and minor cream K-feldspar	881255
4.61	5.76	spod peg	spod	About 26 cm of fine-grained aplite as bands and pods; 6 cm patch of K-feldspar rich peg with grey quartz; rest muscovite rich peg with pale green spod needles to 3.5 cm long with patches to 35% spod and trace white K-feldspar, random spod, 5 cm from the east end of the interval was sed and was added to 881257	881256
5.76	6.61	metasedimentary rock		Includes 5 cm from 881256, Sediment xenolith, very fine-grained weakly foliated with at least 8% biotite, included two grey aplite dykes to 3 cm wide, new cutter so channel very wide and was submitted in two sample bags	881257
6.61	7.01	metasedimentary rock		Includes 3-6 cm of K-feldspar rich pegmatite and aplite with muscovite from the east end of the sample, rest very fine-grained weakly foliated metasedimentary xenolith with 10% biotite, west end of the sample has two crosscuts, the westernmost was used	881258
7.01	7.9	spod peg	spod	Easternmost 24 cm past the crosscut at the end of the channel is still in this sample; ~30 cm of grey aplite in bands and pods with the remainder being spodumene pegmatite with muscovite and rare K-feldspar; Pale green spod needles are up to 2 cm long and have at maximum 20% spod in pods	881259
7.9	7.9			Blank	881260
7.9	7.91	EOH			

Channel Log L60-16-CH-12B

Company: Rock Tech Lithium

Property: Line 60

Channel number: L60-16-CH-12B

claim number: 3005434

Logger: Harvey M. Buck

Start Date: 20-Aug-16

End Date: 20-Aug-16

Date logged: 20-Aug-16 to 22-Aug-16

collar coordinates:

easting 426213.982

northing 5476879.480

elevation 416.577

azimuth 120 from west

dip 0

final length (m) 2.06

comments: Channel 12B is offset 70 cm to the south of channel 12A

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	0.99	spod peg	spod	Spodumene pegmatite medium-grained with mica, quartz and albite, spod to 0.5 cm is needle like and has up to 20% spod in pods	881261
0.99	2.06	spod peg	spod	Spodumene pegmatite with muscovite and rare K-feldspar, 15-20% pale green to white spod needles randomly up to 1 cm long with 2 cm wide K-feldspar pod; approx 20 cm of aplite with green muscovite; this sample was taken at the base of a cliff, next sample is 5 cm east	881262
2.06	2.07	EOH			

Channel Log L60-16-CH-12C

Company: Rock Tech Lithium

Property: Line 60

Channel number: L60-16-CH-12C

claim number: 3005434

Logger: Vittoria Smith

Start Date: 27-Aug-16

End Date: 27-Aug-16

Date logged: 27-Aug-16

collar coordinates:

easting 426215.675

northing 5476878.569

elevation 416.514

azimuth 118

dip 0

final length (m) 10.5

comments: Base not cut due to outcrop shape. No azimuth listed in notes.

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	0.88	Int Peg	Spod	Spod is green to white in colour, occurring in clusters of needle-like crystals which range up to 2cm in length at their largest. Randomly oriented, spod rich areas are up to 30% (overall sample roughly 15%) spod, Finer grained band of spod pegmatite is occurring within the sample, surrounded by albite. Other occurring minerals are quartz, muscovite.	881263
0.88	1.86	spod peg	Spod	Spod pegmatite (spod, musc, qtz, alb) in contact with sacchroidal feldspar and k-spar pegmatite. Spod is bladed, randomly oriented and up to 2cm in length. Spod pegmatite is up to 35% spod. Along the contact with the k-spar pegmatite are 0.5-1cm large crystals of white to light pink k-spar followed by a saccharoidal feldspar and then the k-spar pegmatite. K-spar pegmatite has k-spar and qtz.	881264
1.86	2.86	Spod Peg	Spod	Spod pegmatite with up to 35% spodumene in the rich zones, occurring as elongate thin needles (up to 2cm) and thicker bladed crystals (up to 1.5cm long). Spod is green to white in colour and is randomly oriented. Qtz, white k-spar and albite are also present, along with bands of sacchoridal albite.	881265
2.86	3.86	Spod Peg	Spod	Spod pegmatite with large crystal (10cm long) white k-spar. Spodumene crystals are light green in colour and comprise roughly 25% of sample. Spod is bladed and randomly oriented with a large range in size (up to 3cm in length), however much of it is finer grained and with a length around 1cm. Other minerals include muscovite, albite and quartz.	881266 DUPLICATE OF 881267
			spod	Spod pegmatite with large crystals of white k-spar. Spodumene crystals are light green in colour and comprise roughly 30% of sample. Spod is bladed and randomly oriented with a large range in size (up to 3cm in length), however much of it is finer grained and with a length around 1cm. Other minerals include muscovite, albite, minor oxides and quartz.	881267 DUPLICATE OF 881266

Channel Log L60-16-CH-12C					
3.86	4.86	K-spar peg	spod	Kspar rich pegmatite (K-spar is light pink/white) with bladed white and green randomly oriented spodumene with crystals up to 3cm in length. Spodumene is roughly 10%. Other minerals are quartz, muscovite and albite. The largest K-spar crystal exceeds 20cm.	881268
4.86	5.89	K-spar peg	Spod	K-spar rich pegmatite with quartz, albite, k-spar, minor fine grained oxides and muscovite that looks somewhat greenish. Spod is roughly 5% of total sample, but is concentrated in one spot and makes up roughly 20% locally, bladed and up to 1.5cm in length. It is green and randomly oriented.	881269
5.89	5.89			LOW STANDARD	881270
5.89	6.55	K-spar peg	Spod	K-spar pegmatite. Some crystals have been altered/retrograded. The K-spar pegmatite is cross cut by later veins which carry spodumene. The K-feldspar pegmatite has k-spar, muscovite, black oxides and quartz. Spod veins are dark in colour and have spod, musc, feldspar and minor black oxides. Spodumene <10%.	881271
6.55	7.55	Int Peg	Spod	Sample is roughly 20% spodumene which occurs in small needles and blades. Longest crystal is about 1cm. Spodumene is light green to white. Rest of the sample is albite, quartz and muscovite with some white k-spar and some fine grained black oxides. The spodumene crystals are randomly oriented. The K-spar crystals are large and up to 4cm across.	881272
7.55	8.54	Int Peg and K-spar peg	Spod	K-spar pegmatite and int. pegmatite. The K-spar pegmatite has blocky white K-spar crystals, quartz, minor spodumene and some fine grained black oxides. Spodumene within the K-spar peg is rare and is up to 2cm in length. It is green in colour and is randomly oriented. Spodumene within the Int pegmatite is >0.5cm in length and is bladed, white and randomly oriented. The spodumene is roughly 10% of the sample and occurs within spodumene rich pods.	881273
8.54	9.54	Int Peg and K-spar peg	Spod	Mostly intermediate peg with roughly 17cm of k-spar rich peg. Spodumene is up to 10% of the intermediate peg. The spodumene is <0.5cm, needle like and white in colour. Crystals are randomly oriented and are contained in spodumene rich pods which seem to be crosscut by k-spar veins. k-spar in the sample is white and other minerals include quartz and muscovite with what looks to be fine grained black oxides. Sample also has some small vugs.	881274
9.54	10.5	Int Peg and K-spar peg	Spod	20cm total of Kspar rich peg at east and west end of the sample. Rest of the channel is intermediate pegmatite with fine grained spodumene up to 10%. Spodumene is white, fine grained, randomly oriented and <0.25cm in length. K-spar is white and blocky. Other minerals include quartz, muscovite and fine grained black oxides. Some of the K-spar crystals have graphic intergrowths with quartz and thin veins of pegmatite (quartz and feldspar) cross cut some of the samples.	881275
10.5	10.6	EOH			

Channel Log L60-16-CH-12D

Company: Rock Tech Lithium
Property: Line 60
Channel number: L60-16-CH-12D
claim number: 3005434
Logger: Vittoria Smith
Start Date: 27-Aug-16
End Date: 27-Aug-16
Date logged: 27-Aug-16

collar coordinates:

easting 426223.218
northing 5476872.598
elevation 417.716
azimuth 111
dip 0
final length (m) 3.06

comments: Channel 12D is offset 4m to the S

From (m)	To (m)	Rock Type	Minz	Mineralization Description/Comments	Sample number
0	1.03	Int Peg	Spod	25cm of kspar rich int. pegmatite rest is intermediate pegmatite with kspar, quartz albite and muscovite. Spodumene is in pod-like areas where 25% locally. Otherwise it is only 10% of the samples. The spodumene is green and bladed with up to 1cm in length, however another sample within the same channel also has finer grained white needle like spodumene with lengths less than 0.5cm. The K-spar rich pegmatite is much coarser grained, with white k-spar crystals exceeding 5cm in length. Some k-spar crystals show some graphic intergrowths with quartz.	881276
1.03	2.05	Int Peg		Mica Rich int. peg. Noted a small 1.5 by 3mm CT crystal in unit. Spodumene is rare, mostly mica. Spodumene is green and bladed/tabular up to 2.5cm long (only a about 7 crystals were seen in one sample out of the bag). Muscovite in sample is white. Some minor intergrowths between quartz and k-spar.	881277
2.05	3.06	Int Peg	Spod	50% kspar and quartz rich zones at east end of channel rest is Int. peg with 10-15% spodumene. Spodumene are <0.25cm length and are lime green in colour occurring mostly as aggregates of blades in pod-like zones, but some is distributed through the rest of the sample as well. Other minerals within the sample include fine grained black spots (oxides?), quartz and muscovite.	881278
3.06	3.07	EOH			

Channel Log L60-16-CH-12E

Company: Rock Tech Lithium
Property: Line 60
Channel number: L60-16-CH-12E
claim number: 3005434
Logger: Vittoria Smith
Start Date: 27-Aug-16
End Date: 27-Aug-16
Date logged: 27-Aug-16

collar coordinates:

easting 426227.646
northing 5476874.839
elevation 419.76
azimuth 101
dip 0
final length (m) 2.04

comments: In line with Channel 12C (4.56m from east end of CH12D)

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	1.02	Int. peg	spod	25-30cm of sacchroidal albite, while the rest of the samples are intermediate pegmatite with very rare spodumene crystals which are green in colour, and up to 1cm long. Randomly oriented and bladed. Spodumene makes only 5% of samples. Sample is mica rich and appears to have oxides in thin veinlets/fractures. Other minerals within the samples are k-spar, albite and quartz.	881279
		BLANK		BLANK	881280
1.02	2.04	Int. peg	spod	Roughly 10cm sacchroidal albite and the rest is albite pegmatite with albite, some k-spar, muscovite, quartz and spodumene. Spodumene is only 1-2mm in length, white to light green, and randomly oriented. The spodumene makes up roughly 10% of the samples.	881281

Channel Log L60-16-CH-12F**Company:** Rock Tech Lithium**Property:** Line 60**Channel number:** L60-16-CH-12F**claim number:** 3005434**Logger:** Vittoria Smith**Start Date:** 27-Aug-16**End Date:** 27-Aug-16**Date logged:** 27-Aug-16**collar coordinates:****easting** 426229.421**northing** 5476875.365**elevation** 419.08**azimuth** 101**dip** 0**final length (m)** 1.03**comments:** 35cm to the west

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	1.03	Sediments		Fine to medium grained foliated sediments cross-cut with 3-5mm thick quartz vein.	881282
1.03	1.04	EOH			

Channel Log L60-16-CH-13A

Company: Rock Tech Lithium
Property: Line 60
Channel number: L60-16-CH-13A
claim number: 3005434

Logger: Harvey M. Buck
Start Date: 29-Aug-16
End Date: 30-Aug-16
Date logged: 9/7/2016, 9/8/2016

collar coordinates:

easting 426230.306
northing 5476837.638
elevation 422.653
azimuth 108 from west
dip 0
final length (m) 15.44

comments:

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	0.99	Metasediment		Massive metasediment with about 50% fine-grained light and dark phases and one 0.5 cm wide greyish-white quartz veinlet. Duplicate of 881326. About two cm of granitic pegmatite added to 881327.	881325
0	0.99	Metasediment		Massive metasediment with about 50% fine-grained light and dark phases and one 0.5 cm wide greyish-white quartz veinlet. Duplicate of 881325. About two cm of granitic pegmatite added to 881327.	881326
0.99	1.97	Intermediate peg/aplite/ spod peg	Spod	First 38 cm of pegmatite from the contact (west side) is lighter coloured, intermediate pegmatite with 1-4 mm wide pinkish K-spars comprising 10% of the pegmatite along with lots of quartz, some mica and albite, after which there is 20 cm of grey pegmatite (possibly aplite) which grades to pinkish red spodumene pegmatite the further east in the sample, both being more medium-grained than fine-grained to the east. Spodumene is in the easternmost 40 cm of the channel and is greenish-grey, blady to 3 cm long, appears to be nonoriented and comprises about 15% of the pegmatite in this section, 6% overall?	881327
1.97	2.97	K-spar peg/aplite/ spod peg	Spod	32 cm of grey to pinkish aplite which occurs in bands, 28 cm of spodumene pegmatite with large white K-spars that have pink bands in the K-spar and grew to at least 8 cm by 4 cm with up to 25% mm scale greenish to greenish-grey blady spodumene that may be partly oriented, some reaching 3 cm long, with about 30% quartz, 10% smaller white K-spars and some mica. The rest of the sample is medium-grained spodumene pegmatite with a pinkish colour, the greenish-grey spodumene varies from 2% to 20% is blady and grades into the coarse-grained K-spar zone. about 10% spod overall?	881328
2.97	3.95	Spod peg/aplite/K- spar peg	Spod	34 cm of both grey and pinkish aplite with sharp contacts and about 5% mica, about 10 cm of K-spar up to 7 by 4.5 cm (floating in spod pegmatite and being white with pinkish stripes) and medium to coarse-grained K-spar + quartz pegmatite associated with 58 cm of spodumene pegmatite with greenish to greenish-grey nonoriented blady spodumene up to 2 cm long comprising up to 20% of the zone or about 10% overall in the sample with 7% dark green to brown mica, 40% quartz and the rest albite?	881329

Channel Log L60-16-CH-13A					
3.95	3.95	Standard		High Standard	881330
3.95	4.96	Spod peg/aplite/K- spar peg	Spod	6 cm wide pinkish band of aplite with rare medium-grained K-spars within it and sharp but irregular contacts with 2-3 cm wide rims of pink K-spar + quartz + muscovite + 10% green blady spodumene to 1.2 cm long that is nonoriented. 4 cm from the east end of the sample is a 4 cm thick grey quartz vein. The west half of the sample is grey spodumene pegmatite (except for the pinkish aplite), the east half is light coloured spodumene pegmatite with 5% green blady nonoriented spodumene to less than 1 cm in length with 5% coarse-grained K-feldspars, lots of grey quartz, 5-7% light greenish muscovite and smaller K-spar and albite. In the darker spodumene pegmatite, 25-30% greenish-blue blady nonoriented spodumene crystals to about 1 cm in length are associated with quartz, 10-15% K-spar floating crystals, 35% grey quartz, 5% mica and the rest is albite or smaller K-spar.	881331
4.96	5.96	Aplite/Spod pegmatite	Spod	Westernmost 13 cm of grey-pinkish spodumene pegmatite is a continuation from the pervious sample and varies by having 10-15% greenish blady nonoriented spodumene, rest of the pegmatite grades from grey aplite in the west to pink aplite in the east with a few percent blady greenish nonoriented 1-2 mm spodumenes and about 5% mica.	881332
5.96	6.98	Spod peg/aplite	Spod	6 cm band of pinkish aplite at the west end of the sample with 6% mica, and 4 cm of aplite in a band in the pinkish-grey spodumene pegmatite that comprises the rest of the sample and also has rare large K-spars to 4 by 1.5 cm, 30% grey quartz, 10% darkish mica, smaller K-spar and albite, the blady greenish-grey spodumene appears to be nonoriented, reaches 1.5 cm in length and comprises 20% of the zone or about 18% overall.	881333
6.98	7.97	Spod peg	Spod	All pinkish grey to rarely grey medium-grained spodumene pegmatite with a single cm wide pinkish aplite veinlet with sharp contacts, the spodumene is greenish, blady, nonoriented and reaches 2.5 cm in length and the spodumene comprises 10% of the core where K-spar rich bands are present and 20-25% of the core in darker bands that lack K-spar (bands are about evenly distributed and have indistinct contacts), K-spars are pinkish and comprise 10-35%, quartz comprises 15-45%, mica about 10% with some albite also.	881334
7.97	8.98	Spod K-spar Peg/spod peg/aplite	Spod	Westernmost 16 cm is the same spodumene pegmatite in the previous sample, two 4 cm wide bands of pinkish grey aplite with 10% greenish blady spodumenes to a few mm long, the rest is spodumene pegmatite with large banded (white with pink bands) K-feldspars to 10 by 5 cm or K-spar rich pods with up to 25% K-spar, 35% grey quartz, 7-10% darker mica, and some albite. Spodumene is greenish to blueish green, blady possibly partly oriented and is at least 2.5 by 1 cm in size comprising 10-45% of the core and averaging 20% over the sample.	881335

Channel Log L60-16-CH-13A					
8.98	9.97	Spod K-spar Peg/spod peg/aplite	Spod	Four pinkish bands of aplite totaling about 24 cm and having 2-3% mm sized green spodumene and 2% green mica with distinct but not sharp contacts, about 26 cm of spodumene K-spar pegmatite bands with pink and whitish K-spars to 4.5 by 2 cm comprising about 60% of the bands with variable greenish blady to stubby nonoriented spodumenes from 5-20%, and 5% mica, 10-20% quartz, the rest of the sample is spodumene pegmatite with up to 3 by 1.2 cm greenish-blue spodumene that is blady to stubby, nonoriented and comprises 20-40% of the zone, (with 15% overall in the sample), quartz to 25%, pinkish medium grained K-spar to 25% and 5% mica.	881336
9.97	10.99	Spod peg/spod K- spar peg/aplite	Spod	4 cm thick band of grey aplite with 10% mm sized greenish blady spodumenes, pinkish to grey spodumene pegmatite with two large banded K-spar crystals one 14 by 12 by 9 cm, other 8 by 8 by 5 cm at least, spodumene to 2.3 cm long that is greenish, blady and nonoriented comprising about 20% of the unit, with 25-45% grey quartz, up to 15% smaller K-spar, and up to 5% dark mica with albite? Spodumene about 10-12% overall.	881337
10.99	11.99	Spod peg/spod K- spar peg/aplite	Spod	Three bands of grey-white fine-grained aplite with 5% yellow-green muscovite and sharp contacts, 12 cm of large banded K-spars including a single 23 by 11 by 4 cm K-feldspar (at least) that started in the previous sample, most of the sample is spodumene pegmatite with lighter sections having a little spodumene and darker sections having 20% greenish needlelike to blady spodumene that reaches 2 cm long and appears to be partly oriented, mica variable and <10%, lots of quartz and K-spar, overall maybe 7-10% spodumene.	881338
11.99	12.99	Spod peg/spod K- spar peg/aplite	Spod	Three bands of aplite totaling 22 cm with one band being grey and the other two being light grey, rare green blady spodumene to 3 mm in aplite band, Three bands of K-spar peg, the largest band has a crystal to 30 by at least 8 by at least 6.5 cm, 6 cm band of spodumene pegmatite with 10% needlelike spodumenes, rest spodumene pegmatite with 20% blue-green to more rarely dark green to black blady spodumenes to 2.7 cm long associated with quartz and K-feldspar xls and up to 5% very fine-grained greenish mica.	881339
12.99	12.99	Blank		Blank	881340
12.99	14.39	Spod peg/spod K- spar peg/aplite	Spod	A few cm scale aplite patches, 17 cm of K-spar rich bands with 15% blady nonoriented green spodumene to 2.5 cm long associated with quartz, the K-spar and a few % mica, The majority of the sample is spodumene pegmatite with greenish-grey to dark green needlelike to mostly blady partly oriented spodumenes reaching 2 cm long and comprising 15 to 35%, with an average of 25% (22% overall?), with a few % yellowish very fine-grained mica, lots of quartz and medium-grained K-spar, and some albite?	881341
14.39	15.44	Diabase/Spod peg	Spod	East end of channel, sample has a layer of diabase over pegmatite, both of which were cut into, 3/4 of sample is very fine-grained chilled? diabase with bleaching around fractures, 1/4 is spodumene pegmatite with 20-25% blady light green to green spodumene that often has a dark mm thick rim around the spodumene which reach 2.5 cm in length and they appear to be randomly oriented, and are associated with 35% quartz, 30% medium-grained K-spar and up to 10% mica.	881342
15.44	15.45			EOH	

Channel Log L60-16-CH-13B

Company: Rock Tech Lithium
Property: Line 60
Channel number: L60-16-CH-13B
claim number: 3005434

Logger: Harvey M. Buck
Start Date: 29-Aug-16
End Date: 30-Aug-16
Date logged: 08-Sep-16

collar coordinates:

easting 426241.042
northing 5476835.131
elevation 422.102
azimuth 102 from west
dip 0
final length (m) 4.55

comments: moved 2.00 m to the north to sample more spodumene pegmatite than CH13A would allow

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	0.98	Spod peg/K-spar peg/aplite	Spod	West end of channel, 17 cm of fine-grained to medium-grained spodumene pegmatite at west end of sample with green blady nonoriented spodumene reaching 6 mm and comprising 10% of the rock, east end has 32 cm of mostly banded grey-white and beige K-feldspar, between the two ends of the sample is spodumene pegmatite with the spodumene peg underneath, this section is crosscut by two aplite dykes that are 1-2 cm wide and 1 cm wide respectively, both having sharp contacts, between the two ends, spodumene pegmatite with 20% generally medium to occasionally coarse-grained beige K-spar, 30% grey quartz, 10% dark green mica with the rest being feldspar except for the 15 to 20% green to grey-green blady nonoriented spodumene (to 15 mm).	881343
0.98	1.97	Spod peg/K-spar peg/aplite	Spod	26 cm of light grey aplite with indistinct contacts and 2% green mica, 10 cm of K-spar dominant pegmatite, 10 cm of bands of K-spar, quartz, mica and green spodumene to 2 cm long that is blady to stubby and comprised 10% of the zone, rest is spodumene pegmatite with 2-3% spod to 30% green to blue-green blady nonoriented spodumene reaching 4 cm in length, overall spodumene average 10-15%	881344
1.97	2.97	spod peg/aplite	Spod	5 cm patch of light grey aplite and the final 10 cm at the east end fines to aplite? or intermediate peg and becomes very light coloured and loses the spodumene, rest is light coloured spodumene pegmatite with 20% medium to coarse-grained K-spar, 35% grey quartz, ~10% dark green mica, with the rest being feldspar and spodumene which varies from 5% near the east end to 20% as green to greyish-green blade like partly aligned crystals that reach 3.5 cm long. Overall probably 8-10% spodumene. Sample 881346 is a duplicate of this sample.	881345
1.97	2.97	spod peg/aplite	Spod	5 cm patch of light grey aplite and the final 10 cm at the east end fines to aplite? or intermediate peg and becomes very light coloured and loses the spodumene, rest is light coloured spodumene pegmatite with 20% medium to coarse-grained K-spar, 35% grey quartz, ~10% dark green mica, with the rest being feldspar and spodumene which varies from 5% near the east end to 20% as green to greyish-green blade like partly aligned crystals that reach 3.5 cm long. Overall probably 8-10% spodumene. Sample 881345 is a duplicate of this sample.	881346

Channel Log L60-16-CH-13B					
2.97	3.97	Spod peg/K-spar peg/aplite	Spod	West end has 13 cm of fine-grained aplite or intermediate pegmatite continuing from the previous sample and having 5% yellow-green muscovite, which grades to 40 cm of K-spar + quartz + mica pegmatite with the occasional green blady spodumene, K-spars reach 10 cm long by 5 cm wide, then 6-8 cm of spodumene pegmatite with 1% white blady spodumene? and 10% muscovite mica with quartz, K-spar and albite? after which it has 27 cm of K-spar pegmatite that was the same as the earlier zone, with the final 13 cm of fine to medium-grained spodumene pegmatite with 20% dark green mica, possibly after spodumene and 5% light green mica with quartz, K-spar and rare greenish-grey mm sized spodumene specks.	881347
3.97	4.55	Intermediate peg/aplite	Spod	Fine -grained to medium grained light grey intermediate pegmatite with the easternmost 13 cm being light grey aplite. Trace greenish grey blady spodumene to 3 mm long, K-spars to 2 cm, with lots of quartz and 7% dark green mica. East end of channel.	881348
4.55	4.56	EOH		EOH	

Channel Log L60-16-CH-13C

Company: Rock Tech Lithium

Property: Line 60

Channel number: L60-16-CH-13C

claim number: 3005434

Logger: Harvey M. Buck

Start Date: 30-Aug-16

End Date: 30-Aug-16

Date logged: 07-Sep-16

collar coordinates:

easting 426244

northing 5476831

elevation 418.3

azimuth 82 from west

dip 0

final length (m) 0.87

comments:

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	0.87	Metasediment		Fine-grained metasediment with 50% dark phases and 50% light phases that is modified by bleaching and irregularly banded.	881349
		QC sample		low standard	881350
0.87	0.88			EOH	

Channel Log L60-16-CH-13West

Company: Rock Tech Lithium
Property: Line 60
Channel number: L60-16-CH-13West
claim number: 3005434

Logger: Harvey M. Buck
Start Date: 29-Aug-16
End Date: 29-Aug-16
Date logged: 8/29/2016, 09/07/2016

collar coordinates:

easting 426215.610
northing 5476837.305
elevation 418.279
azimuth 106
dip 0
final length (m) 6.07

comments:

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	1.09	Diabase		Very fine-grained greenish-grey to grey diabase? with some bleaching around fractures and patches.	881318
1.09	2.08	Aplite/ intermediate pegmatite		87 cm of white aplite with a couple % yellow-green very fine-grained mica in patches or fractures in the aplite, with a 7 cm wide section of aplite with abundant dark fractures located 15 cm from the contact, the easternmost 12 cm of the sample is medium-grained intermediate pegmatite with 25% grey quartz, a little green mica in patches and light green grains totaling about 4%, within an albite dominant matrix containing up to 20% subhedral white feldspar. No spodumene was observed.	881319
2.08	2.08	BLANK		Blank	881320
2.08	3.11	Spod peg/K- spar peg/Aplite	Spod	Whole channel is bands and pods with 20 cm of the sample being aplite with serrated but distinct contacts and containing about 4% yellow-green muscovite, four or five ~5 cm wide bands of K-spar (white to beige) plus quartz with 15% muscovite and trace mm scale light green blady spodumene. The rest of the sample is intermediate pegmatite with up to 40% medium-grained white to mostly beige K-spar, with lesser grey quartz and albite and up to 5% fine-grained muscovite.	881321
3.11	4.11	Intermediate peg/aplite	Spod	Sample is subhorizontally banded with 22 cm of white aplite with K-spar crystals to 4 by 2 cm floating in it, aplite has rare very fine-grained yellow-green muscovite, sample has 4 cm thick bands with quartz, dark mica, albite and k-spar with 1% nonoriented light green to grey blady spodumene to 13 cm long. These bands alternate with light grey quartz (20%), K-spar (20%), greenish mica (10-15%) and albite with rare greyish-white blady spodumene to 7 mm long.	881322
4.11	5.11	K-spar peg/aplite/ spodumene peg	Spod	62 cm of K-spar pegmatite either as bleached white mostly K-spar pegmatite (about 20 cm) or K-spar plus grey quartz (in equal amounts) with 5% green mica and 4% nonoriented greenish-grey blady spodumenes to 1.3 cm long. 19 cm of aplite in two bands containing 2-3% very fine-grained greenish-yellow muscovite. The rest of the pegmatite is spodumene pegmatite with 5% greenish-white blady nonoriented spodumene in 35-40% light grey quartz, with 10% dark green to light green mica, some medium-grained K-spar and albite.	881323
5.11	6.07	Metasediment		Massive metasediment with about 50% fine-grained light and dark phases and several cm wide greyish-white quartz veinlets with indistinct contacts	881324
6.07	6.08	EOH		EOH	

Channel Log L60-16-CH-14N,A

Company: Rock Tech Lithium
Property: Line 60
Channel number: L60-16-CH-14N,A
claim number: TB67174

Logger: Harvey M. Buck
Start Date: 29-Aug-16
End Date: 29-Aug-16
Date logged: 08-Sep-16

collar coordinates:

easting 426369.478
northing 5477367.394
elevation 374.104
azimuth 159 from north
dip 0
final length (m) 0.92

comments:

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	0.92	Metasediment		Massive metasediment that is fine to very fine-grained with about 50% light and 50% dark phases, has two mm scale grey-white quartz veinlets.	881351
0.92	0.93			EOH	

Channel Log L60-16-CH-14N,B

Company: Rock Tech Lithium
Property: Line 60
Channel number: L60-16-CH-14N,B
claim number: TB67174

Logger: Harvey M. Buck
Start Date: 29-Aug-16
End Date: 29-Aug-16
Date logged: 9/8/2016 and 9/9/2016

collar coordinates:

easting 426371.719
northing 5477367.411
elevation 374.326
azimuth 160 from north
dip 0
final length (m) 4.49

comments:

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	1.03	Spod Peg	Spod	Eastern 30 cm has larger K-feldspars to 4 cm in size, all spodumene pegmatite with about 2-8% (average 5-6% over sample) very light green (largest) to green (smallest) to very dark green (which are rimmed by 2 mm of green muscovite) blady nonaligned crystals to 2 cm long, 5-7% green to yellow-green muscovite, 35% grey quartz, up to 25% large K-spars where they are present, and a few dark green blocky mica clots to 2.5 cm in size.	881352
1.03	2.03	Spod Peg/Aplite	Spod, Black Oxides	10 cm of grey aplite with about 4% yellow-green muscovite, 11 cm of K-spar rich intermediate peg with trace black oxides to 1 mm and 79 cm of spodumene pegmatite with trace mm scale blue apatite, mica from 10% up to 25% with yellow-green being dominant but also having up to 10% dark green mica, Spodumene to 1% as dark green blady crystals to a few mm in size surrounded by green mica, or otherwise altered, small 5 cm wide section with very light green spodumene to 1 cm as nonaligned blades that appear bleached and altered, and muscovite pseudomorphs of needle like spods were also observed with only partial alteration of the spodumene, rest is mostly grey quartz, medium-grained K-feldspar and albite?	881353
2.03	3.02	Spod peg/Aplite	Spod	12 cm of grey aplite at the east end of the sample with rare mm sized black oxides with radiation halos around them, and small aplite patches in the spodumene pegmatite, rest spodumene pegmatite with 1% very light green ghostly blady crystals and some dark altered blades that were probably spodumene at one time, the outcrop showed partly aligned spodumenes with some random ones also, rest is grey quartz to 40%, up to 20% light green muscovite, some of which looks like altered spodumene, and the rest is feldspar.	881354
3.02	4.49	Intermediate peg/aplite	Black oxides	Sample is probably short about 3 cm from the eastern contact with the metasediments (contact was a low and buried below the channel), approximately 35 cm of fine-grained light grey to beige aplite in bands containing 3-4% yellow-brown and green mica with trace mm sized black oxides and trace blue apatite, the remaining 112 cm of intermediate pegmatite, has about 1% dark brown subhedral equant crystals to two mm that may be an oxide, 2-3% larger K-spars floating in the pegmatite and maybe 20-30% medium-grained K-feldspar, has 20-35% grey quartz, 10-15% dark green and green mica, and albite making the balance of the rock. Oriented spodumene was noted on the surface but just two patches with perhaps 15% abundance that may be muscovite altered spodumene with no prestine spodumene observed, but two highly altered masses to 6 mm probably were spodumene.	881355
4.49	4.5	EOH		EOH	

Channel Log L60-16-CH14N,C

Company: Rock Tech Lithium
Property: Line 60
Channel number: L60-16-CH-14N,C
claim number: TB67174

Logger: Harvey M. Buck
Start Date: 29-Aug-16
End Date: 29-Aug-16
Date logged: 09-Sep-16

collar coordinates:

easting 426374.353
northing 5477363.952
elevation 375.101
azimuth 157 from north
dip 0
final length (m) 0.98

comments:

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	0.98	Metasediment		Metasediment that is fine to very fine-grained, homogeneous looking and is composed of three grey phases, a light one comprising about 30% of the core, a medium-grained grey phase comprising 30% of the core and a dark grey phase comprising 40% of the core.	881356
0.98	0.99	EOH		EOH	

Channel Log L60-16-CH-15N,A

Company: Rock Tech Lithium
Property: Line 60
Channel number: L60-16-CH-15N,A
claim number: TB67174

Logger: Harvey M. Buck
Start Date: 29-Aug-16
End Date: 29-Aug-16
Date logged: 9/9/2016, 9/21/2016

collar coordinates:

easting 426421.389
northing 5477380.540
elevation 371.732
azimuth 135
dip 0
final length (m) 3.62

comments:

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	0.85	Aplite/Int Peg	Spod, black oxides	Accidental crosscut in western third of sample. About 50 cm of fine-grained grey aplite with 15% green mica, rare dark brown to black subhedral equant crystals that may be oxides?, 35 cm of intermediate pegmatite with 15-20% mica, rare dark subhedral equant oxides?, 40% quartz and the rest being K-spar and albite? Note that some of the mica crystals are blady in appearance and may be pseudomorphed after spodumene.	881359
0.85	0.85	BLANK		Blank	881360
0.85	1.65	Spod Peg/Aplite/ K-spar peg	Spod	20 cm of grey very fine-grained aplite with about 15% green mica and 1% black minerals with no radiation halos, 10 cm of coarse-grained K-spar pegmatite that appears to mostly be one crystal with minor quartz and rare mica, rest is intermediate pegmatite with quartz, albite, K-spar, and 5 to 10% mica, some of which appears to have replaced blady spodumene that was up to 2 cm long and constituted 1-2% of the sample.	881361
1.65	2.65	Spod/Aplite/ Int Peg	Spod/Black Oxides	South west side is 47 cm of spodumene pegmatite, spodumene from 15-22% as greenish-white to white, blady, partly aligned crystals to 3 cm long associated with quartz, K-spar and 5% greenish mica and rare books to 0.5 cm and trace black oxides with radiation damage to 2 mm, rest of channel is aplite totaling about 37 cm on the north east side, that is grey with minor dark grey banding, contains 10-15% brownish to greenish mica, and rare mm sized black specks, with contained bands of intermediate peg with lots of K-spar and quartz with 10-15% mica. Spodumene about 8% overall in the sample.	881362
2.65	3.62	Aplite/Spod Peg/Int peg	Spod	36 cm of spodumene pegmatite at the west side, quartz, K-spar, albite, 5% green mica mostly associated with the 15% greenish-white spodumene crystals that reach 6 cm long, are blady, with some partly altered to green mica and a few altered to dark green mica?, spodumene probably 3-4% overall and oriented spodumenes were observed 0.5 m laterally (south side) from the sample, then the middle of the sample is 43 cm of grey to greenish-grey fine to very fine-grained aplite with rare <mm sized black minerals and ~12% greenish mica, the easternmost 18 cm was intermediate pegmatite with quartz, K-spar, albite and 5% mica.	881363
3.62	3.63	EOH		EOH	

Channel Log L60-16-CH-15N,B

Company: Rock Tech Lithium
Property: Line 60
Channel number: L60-16-CH-15N,B
claim number: TB67174

Logger: Harvey M. Buck
Start Date: 16-Sep-16
End Date: 16-Sep-16
Date logged: 21-Sep-16

collar coordinates:

easting 426423.206
northing 5477378.641
elevation 372.3
azimuth 145
dip 0
final length (m) 0.87

comments:

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	0.87	Metasediment		Metasediment that is very fine-grained and is composed of 30% dark phase (biotite), 40% intermediate grey phases and 30% light phases, foliated at 052 degrees, dipping 26 degrees to the SE.	881364
0.87	0.88	EOH		EOH	

Channel Log L60-16-CH-15N,W

Company: Rock Tech Lithium
Property: Line 60
Channel number: L60-16-CH-15N,W
claim number: TB67174

Logger: Harvey M. Buck
Start Date: 29-Aug-16
End Date: 29-Aug-16
Date logged: 07-Sep-16

collar coordinates:

easting 426414.755
northing 5477383.991
elevation 369.53
azimuth 157 from north
dip 0
final length (m) 1.6

comments:

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	0.6	Intermediate peg/Aplite	Spod?	There was only ~10 cm of metasediment exposed on the west side of the pegmatite so no channel was possible, 17 cm of grey fine-grained aplite with about 10-15% light green mica, trace blue apatite and trace orange garnet, 43 cm of intermediate pegmatite with 15-22% green to dark green mica, patches of cleavelandite? to 30% possibly with some altered spodumene?? grey quartz to 30% and up to 20% K-feldspar. Note aligned spodumenes to 5 cm long were observed about 0.5 m to the south of the channel and about 0.5 cm of metasediment was included in this sample	881357
0.6	1.6	Metasediment		Metasediment that is fine to very fine-grained, massive and is composed of about 50% light phase and 50% dark phase minerals	881358
1.6	1.7	EOH		EOH	

Channel Log MCVITTIE-16-CH-1

Company: Rock Tech Lithium
Property: McVittie Pegmatite
Channel number: MV-16-CH-1
claim number: TB732175
Logger: Harvey M. Buck
Start Date: 22-Oct-16
End Date: 23-Oct-16
Date logged: 22-Nov-16

collar coordinates:

easting 425760.63
northing 5473311.356
elevation 397.631
azimuth 61 From the southwest end of the channel
dip 0
final length (m) 4.93

comments: Channel is 70 cm to the north of the west end of MV-16-CH-1W

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	0.9	Spod Peg/Aplite	Spod	Western 20 cm is a mix of spodumene pegmatite with patches of very fine-grained light grey aplite with trace small blue apatites and 10% brownish mica that is usually in patches associated with large K-spars to at least 6 by 3.5 cm comprising 20% of the section, spodumene is white (except for the westernmost 3 cm where it is all altered to dark green spodumene), blady, mostly aligned, reaches 5 cm long by 1 cm wide and comprises 8% of the section, the middle 30 cm is fine to medium-grained brownish-grey aplite with 20% brownish mica, rare blue apatite, and about 10% small blocky to blady white crystals that are either cleavelandite or possibly spodumene, the easternmost 40 cm is spodumene pegmatite with about 10% spodumene in the western 10 cm increasing to 16% for the rest of the section, spodumene is blady, partly alined on surface and in section, greenish-white to mostly white, blady, and it reaches 4 cm long, associated with 20% K-spar, grey quartz and aplitic patches, spodumene overall about 8% of the sample.	179561
0.9	1.85	Spod Peg/Aplite	Spod	Sample has two low dips where very little sample was taken and the central section is displaced a few cm south of the two end sections, the eastern 16 cm is brownish-grey, fine to medium-grained aplite with large spodumenes in the easternmost 6 cm that may be coming off spodumene pegmatite, there is about 12% white blady crystals to 5 mm that are probably albite var cleavelandite or possibly spodumene, aplite has about 20% brownish mica and trace small blue apatite, the rest of the sample is spodumene pegmatite with 10-20% greenish-white to mostly white, blady, partly aligned spodumene that reaches 3 cm long, associated with rare K-spars to 9 by 9 by 7 cm, 35% K-spar overall and lots of grey quartz, spodumene overall about 12% for the sample.	179562
1.85	2.88	Spod Peg/Aplite	Spod	Western 59 cm is spodumene pegmatite with the occasional large white K-spar to 6 by 2 cm, the groundmass of this section includes about 20 cm of fine-grained aplite with 20% brownish mica aplite in patches mixed with medium to coarse-grained spodumene pegmatite and having about 5% greenish-white to mostly white, blady, nonaligned to partly alined spodumene that reaches 6.5 cm long, the remaining 45 cm to the east is bands to patches of dark to light grey, fine to medium-grained aplite with 20% brownish mica and 5 to 20% white blocky to blady crystals to 6 mm that are either cleavelandite or possibly spodumene, overall spodumene was about 3%.	179563

Channel Log MCVITTIE-16-CH-1					
2.88	3.89	Spod Peg/Aplite	Spod	West end is about 6 cm of fine to medium-grained aplite zone that is a continuation from the previous sample, which grades into the central spodumene pegmatite, east end has 1 cm of homogeneous K-spar granite, the contact is slightly undulating at 321 degrees/dipping at 85 degrees NE, then erratic thin wall zone (if present at all), then 18 cm of intermediate pegmatite/spodumene pegmatite with 6 cm at the east end having no spodumene at all and the remaining 12 cm having 5% dominantly dark green blady, aligned spodumene reaching 4 cm and subordinately light green mica pseudomorphs after spodumene, associated with white K-spars to 6 cm long, grey quartz and 5% green mica books, then a 3-6 cm band of light grey fine-grained aplite with trace blue apatite, trace small orange garnets and 10% light green mica, then the central spodumene pegmatite with the eastern 40 cm having mm to cm scale patches of aplite, rare orange subhedral garnets to 3 mm and large white K-spars to 28 by 10 by at least 9 cm, comprising 30-50% of the section, this part has spodumene varying from a few % light green mica pseudomorphs after spodumene to 15 cm of 15% spodumene, the western spodumene pegmatite has 14-16% greenish-white to white, blady, partly aligned spodumene crystals to 4 cm long, spodumene about 7% overall in the sample.	179564
3.89	4.93	K-spar Granite/Spod Peg	Spod	West end has a cm wide feldspar dyke 3 cm from the contact and then 17 cm of medium-grained K-spar granite before a 13 cm wide spodumene pegmatite dyke with 10% spodumene as blady crystals to 4 cm long, the western half of the dyke has greenish-white cores and thin dark green altered rims, the eastern half has light green mica pseudomorphs after spodumene, all spodumenes are aligned roughly perpendicular to the contacts, there is about 2% orange subhedral garnet to 3 mm in the pegmatite, the rest of the sample to the east is medium-grained K-spar granite except for a 3 cm wide K-spar and quartz pegmatite dyke 30 cm from the east end. Sample is a duplicate of 179566.	179565
3.89	4.93	K-spar Granite/Spod Peg	Spod	West end has a cm wide feldspar dyke 3 cm from the contact and 18 cm of medium-grained K-spar granite before a 13 cm wide spodumene pegmatite dyke with 10% spodumene as blady crystals to 4 cm long, the western half of the dyke has greenish-white cores and thin dark green altered rims, the eastern half has light green mica pseudomorphs after spodumene, all spodumenes are aligned roughly perpendicular to the contacts, there is about 2% orange subhedral garnet to 3 mm in the pegmatite, the rest of the sample to the east is medium-grained K-spar granite except for a 3 cm wide K-spar and quartz pegmatite dyke 30 cm from the east end. Sample is a duplicate of 179565.	179566
4.93	4.94	EOH		EOH	

Channel Log MCVITTIE-16-CH-1W

Company: Rock Tech Lithium
Property: McVittie Pegmatite
Channel number: MV-16-CH-1W
claim number: TB732175
Logger: Harvey M. Buck
Start Date: 22-Oct-16
End Date: 22-Oct-16
Date logged: 22-Nov-16

collar coordinates:

easting 425759.643
northing 5473309.643
elevation 397.532
azimuth 55 From the southwest end of the channel
dip 0
final length (m) 1.92

comments: Channel has two samples located west of MV-16-CH-1 and 70 cm to the south

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	1.1	Granite		Homogeneous medium-grained K-spar granite comprised dominantly of subhedral to euhedral white K-spar from 4-10 mm wide comprising 65% of the granite, about 25% grey quartz and 10% interstitial biotite.	179558
1.1	1.92	Spod Peg/Aplite/ Intermediate Peg/Wall Zone	Spod	0-2 cm of K-spar granite at the west end of the sample, the contact is ~324 degrees/dipping ~55 degrees NE, then 0.5 cm of poorly defined wall zone with white K-spar and quartz followed by about 24 cm of intermediate pegmatite mixed with patches to bands of greenish-grey fine-grained aplite with 15% green mica and 1-2% subhedral orange garnets to 2 mm, the intermediate peg has about 25% white to light beige K-spars to 2 cm and about 25% grey quartz, the rest being the aplite, going east then is 34 cm of spodumene pegmatite, the spodumene is blocky to mostly blady, is partly aligned, greenish-white to white, reaches 3 cm in length and comprises 11-12% of the section, associated with trace blue anhedral apatite, 30% K-spar, 10% brownish mica and grey quartz, the easternmost 22 cm is aplitic, fine-grained to medium-grained, with about 10% white blocky mineral that may be spodumene or more likely is cleavelandite, section has rare blue anhedral apatite to 2 mm and 15% brownish mica.	179559
1.92	1.92	BLANK		BLANK	179560
1.92	1.93	EOH		EOH	

Channel Log MCVITTIE-16-CH-2

Company: Rock Tech Lithium
Property: McVittie Pegmatite
Channel numb MV-16-CH-2
claim number: TB732175

Logger: Harvey M. Buck
Start Date: 23-Oct-16
End Date: 23-Oct-16
Date logged: 24-Nov-16

collar coordinates:

easting 425748.635
northing 5473322.635
elevation 399.892
azimuth 44 From the southwest end of the channel
dip
final length (m) 8.35

comments: Channel is near the top of the trench

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	0.83	K-spar Granite/ Intermediate Peg	Spod	Homogeneous medium-grained K-spar granite comprised dominantly of subhedral to euhedral white K-spar crystals from 4-10 mm wide comprising 60% of the granite, about 30% grey quartz and 10% interstitial biotite occurs for 22 cm at the southwest end of the sample and 39 cm at the northeast end to the crosscut at the contact which is relatively constant at 319 degrees/dipping 88 degrees NE (contact taken 1 m south of channel), between the two K-spar pegmatite sections is an intermediate pegmatite dyke/spodumene pegmatite dyke that is 15 cm wide with a poorly defined ~0.5 cm thick wall zone, the rest having 8% light green mica pseudomorphs after spodumene that were probably blady, perpendicular to the contacts and at least partly aligned, spodumene reached 4.5 cm long, are associated with 2% orange subhedral garnets to 5 mm wide, trace small blue anhedral apatite, 30% white K-spar and lots of grey quartz, overall spodumene about 1% (as mica pseudomorphs) in the sample.	179567
0.83	1.51	Spod Peg/ Intermediate Peg/K-spar Granite	Spod	There is an accidental crosscut in the middle of the sample. The southwest 27 cm is intermediate pegmatite with two bands to patches of K-spar pegmatite within the pegmatite that are 4 and 6-8 cm wide, the intermediate pegmatite has trace anhedral orange garnet to 3 mm wide and trace anhedral blue apatite to 2 mm wide and 5% medium-grained mica books, northeast of the accidental crosscut is 41 cm of spodumene pegmatite with 12-14% greenish-white to white, blady, mostly aligned spodumene that reaches 6 cm long and some reach 1 cm wide, associated with 25% K-spar, one crystal to 7 by 2 cm, lots of grey quartz, and 5% greenish to brownish mica, 7-8% spodumene overall in sample.	179568
1.51	2.51	Spod Peg/Aplite	Spod	Sample is all spodumene pegmatite except for the northeastern 1/3 of the sample which has 3 irregular dark grey fine to very fine-grained aplite patches totaling about 7 cm in width with about 15% green to dominantly brown mica flakes and some spodumene crystals that penetrate the aplite from the spodumene pegmatite, there are at least 5 subhedral white to beige K-feldspar crystals to at least 10 cm long in the spodumene pegmatite that combined are 10% of the sample, with 30% K-feldspar, lots of grey quartz, and 7-8% spodumene overall in the sample that is greenish-white to white, blady, aligned and reaches 6 cm long.	179569
2.51	2.51	HIGH STANDARD		HIGH STANDARD	179570

Channel Log MCVITTIE-16-CH-2					
2.51	3.51	Spod Peg	Spod	All spodumene pegmatite with 5% white to beige large K-feldspars, and smaller K-spar at about 30-35% of the sample with grey quartz and 8-10% brownish interstitial mica, spodumene is 10-12% of the sample, was partly aligned in outcrop and in section, is generally greenish-white, blady to rarely blocky, reaches 7 cm in length and about 10% of the spodumene crystals have the rims altered to dark green spodumene, the sample was extracted in one piece and was pictured as such.	179571
3.51	4.5	Spod Peg	Spod	All spodumene pegmatite with 5% beige large K-feldspars to 5 by 2 cm, and smaller K-spar at about 30% of the sample with grey quartz and 8% brownish interstitial mica, spodumene is 12% of the sample, was mostly aligned in outcrop and in section, is generally greenish-white, blady to rarely blocky, reaches 10 cm in length and about 5% of the spodumene crystals have a rim to the whole crystal that is altered to dark green spodumene, the sample was extracted in two pieces and was pictured as such.	179572
4.5	5.56	Spod Peg/Aplite	Spod	Almost all spodumene pegmatite with 6% beige large K-feldspars to 7 by 3 cm, and smaller K-spar at about 30% of the sample, with grey quartz and 10% brownish to rarely greenish interstitial mica, in the eastern 35 cm of the sample, there are patches to small pods of dark grey fine to very fine-grained aplite with a few % subhedral orange garnets to 2 mm with about 20% green to mostly brown mica and some spodumene from the surrounding spodumene pegmatite growing into the aplite which combined accounts for 5 cm of the sample, spodumene varies from 8 to 15% of the sample, was mostly aligned in outcrop and in section, is generally greenish-white, blady to rarely blocky, reaches 5 cm in length and about 5% of the spodumene crystals have a rim to parts of the whole crystal altered to dark green spodumene, there are two, 2 cm wide bands where all the spodumene is altered to dark green spodumene, spodumene is probably 10% overall in the sample.	179573
5.56	6.58	Spod Peg/Aplite	Spod	West end has a 10 cm wide band of dark fine-grained aplite with 10% brownish mica and trace small orange garnet, the northeast end is 6 cm of spodumene pegmatite with 10% spodumene, then 26 cm of greenish to brownish grey, fine to very fine-grained aplite with rare subhedral orange garnet to 1.5 mm wide, with 10% generally brown mica with a few patches of light green mica here and there, the rest is spodumene pegmatite with 8% white to beige large K-feldspars to 6 by 3 cm, and smaller K-spar at about 35% of the sample, with grey quartz and 5% brownish interstitial mica, spodumene is 10-15% of the sample, was mostly aligned in section, is generally greenish-white, blady, reaches 7 cm in length, spodumene is about 7-8% overall in the sample.	179574
6.58	7.28	Spod Peg/Intermediate Peg/Aplite	Spod	Southwest 55 cm is spodumene pegmatite with 8-10% beige large K-feldspars, the biggest at the northeast end of the zone is 8 by 3 cm, and smaller K-spar at about 25-30% of the sample, with grey quartz and 5% brownish interstitial mica and trace subhedral orange garnet, spodumene is 10-14% of the zone, was partly aligned in outcrop and in section, is generally greenish-white but for the northeastern 25 cm, some spodumene is partly altered to dark green spodumene, especially on the rims and as the spodumene gets further northeast, all spodumene was blady, and reaches 7 cm in length, the northeastern 15 cm is composed of 6 cm of grey fine-grained aplite with rare subhedral orange garnet and 12% light greenish mica which gives way to 9 cm of intermediate pegmatite with rare garnet and green flaky mica that possibly might be pseudomorphs of mica after spodumene?	179575

Channel Log MCVITTIE-16-CH-2					
7.28	8.35	K-spar Granite/Aplite/ Intermediate Peg		Sample has 2-8 cm of intermediate pegmatite at the southeast end including a 0.5 cm of poorly defined wall zone, both of which are disrupted by 4 cm of a light grey very fine-grained aplite which exits the pegmatite partly along the channel sample, including 15 cm on the southeast side with the grey quartz core of the aplite and aplite along one side, both going along the sample, the aplite leaves the pegmatite and is sampled for about 66 cm down the sample, aplite has rare orange garnet and 10% light green mica, the contact was disrupted, irregular and not measured, the rest of the sample is homogeneous medium-grained K-spar granite comprised dominantly of subhedral to euhedral white K-spar from 3-11 mm wide comprising 55% of the granite, about 30% grey quartz and 15% interstitial biotite.	179576
8.35	8.36	EOH		EOH	

Channel Log MCVITTIE-16-CH-3

Company: Rock Tech Lithium
Property: **McVittie Pegmatite**
Channel number: MV-16-CH-3
claim number: TB732175

Logger: Harvey M. Buck
Start Date: **24-Oct-16**
End Date: **24-Oct-16**
Date logged: 11/25/2016, 11/27/2016

collar coordinates:

easting 425737.819
northing 5473353.895
elevation 404.011
azimuth 48 From the southwest end of the channel
dip 0
final length (m) 8.59

comments:

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	0.53	Spod Peg	Spod	Slightly undulating contact at 339 degrees/dipping 74 degrees NE, crosscut chopped the last few cm of the pegmatite off including the wall zone at the edge of the pegmatite so it was not sampled, the rest is intermediate pegmatite/spodumene pegmatite with the occasional large white K-spars to 6 cm long by 2 cm wide, associated with 20-35% K-spar, grey quartz, 1% subhedral orange garnet with 6-10% blady, partly aligned spodumene now as light green pseudomorphs after spodumene that reach 7 cm long, probably 7% spodumene that was pseudomorphed to mica.	179578
0.53	1.54	Spod Peg	Spod	All spodumene pegmatite, for 7 cm the southwest end spodumene grades from a few cm of light green mica pseudomorphs after spodumene grading to dark green altered spodumene as crystals and rims grading to the rest which is greenish-white, blady, mostly aligned spodumenes to 9 cm long and some are up to 1.3 cm wide, comprising 5-14% of the zone and about 7-8% overall, approximately 15 cm of the channel was large white K-spar crystals, associated with 35% groundmass K-spar, rare subhedral orange garnets and grey quartz.	179579
1.54	1.54	BLANK		BLANK	179580
1.54	2.54	Spod Peg	Spod	All spodumene pegmatite that has large white K-spars to 4 cm long here and there with a groundmass of about 30% K-spar, grey quartz, trace subhedral orange garnet to 2 mm, and 5% interstitial brownish to occasionally greenish mica, spodumene is greenish-white to white, blady, mostly aligned, reaches 18 cm long, and is about 8-12% spodumene, or about 10% overall in the sample, note the surface alteration (bleaching) reaches an especially deep 2.5 cm in parts of this sample.	179581
2.54	3.52	Spod Peg	Spod	All spodumene pegmatite that has large white K-spars to 10 cm long by 2 cm wide commonly with a groundmass of about 30% K-spar, grey quartz, and 6-8% interstitial brownish to greenish mica, spodumene is greenish-white to white, blady, mostly aligned in sample and on surface, reaches 9 cm long, and is about 10-12% spodumene, or about 11% overall in the sample.	179582

Channel Log MCVITTIE-16-CH-3					
3.52	4.54	Spod Peg	Spod	All spodumene pegmatite except for 12 cm from the northeast end, which has 50% white K-spars, the largest is 9 by 2.5 cm with a few large K-spars throughout the rest of the sample, generally about 25-30% K-spar, lots of grey quartz, ~4-5% interstitial brownish mica in the northeast 1/3, mica is greenish in the rest of the sample, spodumene is greenish-white to white, blady, mostly aligned in sample and on surface, reaches 8 cm long, and has about 10-12% spodumene, or about 10% spodumene overall in the sample, 27 cm from the southwest end is a fracture, for 8 cm to the southwest and 10 cm to the northeast, all the spodumene is converted to light green mica pseudomorphs after spodumene.	179583
4.54	5.56	Spod Peg/Aplite	Spod	All spodumene pegmatite except between 2-15 cm from the northeast end where there is a 3 cm patch and a 5 cm band of fine to very fine-grained greenish-grey aplite with 4% subhedral orange gamets to 2 mm and 12% greenish mica and a few large spodumenes growing into it from the enclosing spodumene pegmatite, the spodumene pegmatite has large white K-spars to 4 cm long, commonly with about 35% K-spar, lots of grey quartz, 5% interstitial brownish to greenish mica and rare anhedral to subhedral orange garnet to 10 mm wide, spodumene is greenish-white to mostly white, blady, mostly aligned in sample and on the surface, it reaches 8.5 cm long, and the zone has between 12-20% spodumene, or about 14% spodumene overall in the sample.	179584
5.56	6.52	Spod Peg/K-spar Peg?	Spod	Possibly all spodumene pegmatite, the northeastern 30 cm on the south side is dominated by a large beige K-spars to 13 cm long by 4 cm wide, with more large K-spar on this side in this section (K-spar pegmatite?), otherwise about 30% K-spar with a few larger crystals here and there, grey quartz, 5% interstitial brownish to greenish mica, and rare subhedral orange garnet to 2 mm, spodumene is greenish-white to generally white, blady, mostly aligned in sample and on surface, reaches 7 cm long, and is about 15-18% spodumene where not in K-spar rich northwest end, in the southwestern half, a few spodumene crystals are partly altered to dark green spodumene and a fair amount of the spodumene has been pseudomorphed to green mica, about 10-11% spodumene overall in the sample. Sample is a duplicate of 179586.	179585
5.56	6.52	Spod Peg	Spod	All spodumene pegmatite, the northeastern end has a large beige K-spar that is at least 12 cm long by 3 cm wide, with a few large K-spars here and there throughout the rest of the sample, about 30% K-spar, grey quartz, 5% interstitial brownish to greenish mica, and rare subhedral orange garnet to 2 mm, spodumene is greenish-white to generally white, blady, mostly aligned in sample and on surface, reaches 9 cm long, and varies from about 10-18% spodumene, in the southwestern half, a few spodumene crystals are partly altered to dark green spodumene and a fair amount of the spodumene has been pseudomorphed to green mica, sample has about 12% spodumene overall. Sample is a duplicate of 179585.	179586
6.52	7.54	Spod Peg/Intermediate Peg	Spod	Southwestern 82 cm is spodumene pegmatite/intermediate pegmatite, eastern 20 cm is intermediate pegmatite and is completely rubble from old blasting to make a trench, and appears to lack spodumene, the spodumene pegmatite has all the spodumene pseudomorphed to light green mica, southwesternmost 30 cm had about 10% spodumene, then the percentage drops off to the northeast, overall maybe 3-4% mica pseudomorph after spodumene, which are blady, mostly aligned, and reached 5 cm in length, associated with 35-40% K-spar, grey quartz, rare subhedral orange garnet to 2 mm, and trace anhedral blue apatite to 3 mm.	179587
7.54	8.59	K-spar Granite		Homogeneous medium-grained K-spar granite comprised dominantly of subhedral to euhedral greenish-white to white K-spar from 4-12 mm wide comprising 60% of the granite, about 30% grey quartz and 10% interstitial biotite, middle of the sample has a 3 cm wide quartz vein, about 5 cm not sampled just northeast of the centre because of a dip in the outcrop. No information on the contact was taken.	179588
8.59	8.6	EOH		EOH	

Channel Log MCVITTIE-16-CH-3W

Company: Rock Tech Lithium
Property: **McVittie Pegmatite**
Channel number: MV-16-CH-3W
claim number: TB732175
Logger: Harvey M. Buck
Start Date: 23-Oct-16
End Date: 23-Oct-16
Date logged: 24-Nov-16

collar coordinates:

easting 425736.932
northing 5473354.03
elevation 403.95
azimuth 62 From the southwest end of the channel
dip
final length (m) 1.06

comments: Channel is near the top of the trench

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	1.06	Granite		Homogeneous medium-grained K-spar granite comprised dominantly of subhedral to euhedral white K-spar from 3-12 mm wide comprising 60% of the granite, about 30% grey quartz and 10% interstitial biotite, there is a 5 by 4 by at least 2 cm clot of altered mafic? within the K-spar granite that is fine-grained and grey overall.	179577
1.06	1.07	EOH		EOH	

Channel Log MCVITTIE-16-CH-4

Company: Rock Tech Lithium
Property: **McVittie Pegmatite**
Channel number: MV-16-CH-4
claim number: TB732175
Logger: Harvey M. Buck
Start Date: **24-Oct-16**
End Date: **24-Oct-16**
Date logged: 27-Nov-16

collar coordinates:

easting 425724.309
northing 5473391.53
elevation 402.95
azimuth 52 From the southwest end of the channel
dip 0
final length (m) 6.09

comments: Starts 72 cm north of the northeast end of channel MV-16-CH-4W

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	0.65	Spod Peg/ Intermediate Peg	Spod	Contact taken 70 cm north of the channel start and contact has a small undulation at 131 degrees/dipping 65 degrees SW, actual start of sample is potentially up to 20 cm from the actual pegmatite contact, first 8 cm is fine to medium-grained intermediate pegmatite with 10% light green mica pseudomorphs after spodumene, the rest of the pegmatite is spodumene pegmatite with 10-16% blady, partly aligned, greenish-white to white spodumene, the southwestern 10 cm of which has the spodumene partly rimed by dark green altered spodumene, they reach 5 cm long, and are associated with 40% white to beige K-spar, grey quartz, rare subhedral orange garnets to 3 mm, trace small blue apatite, and 3-4% brownish to greenish interstitial mica, spodumene about 10% overall in the sample.	179591
0.65	1.1	Spod Peg	Spod	All spodumene pegmatite that has a few large white K-spars to 3.5 cm long, for about 40% K-spar, grey quartz, 4-5% interstitial brownish to mostly greenish mica, and 1% subhedral orange garnet to 3 mm, spodumene is greenish-white to white, blady, mostly aligned in sample and on surface, reaches 5 cm long, and is about 4-16% spodumene, or about 10% overall in the sample.	179592
1.1	1.6	Spod Peg/Aplite/K- spar Granite	Spod	Almost all spodumene pegmatite that has a few large beige K-spars to 5 cm long, for about 45% K-spar, grey quartz, 5-8% interstitial brownish to greenish mica, trace subhedral orange-brown garnet to 4 mm, and trace anhedral blue apatite, spodumene is greenish-white to white, blady, mostly aligned in sample and on surface, reaches 3 cm long, and is about 10-12% spodumene, or about 10% spodumene overall in the sample, northeast end is 1 cm of K-spar Granite and 0.5 to 1 cm of aplite with trace orange garnet at the contact.	179593
1.6	2.44	Spod Peg/Aplite/K- spar Granite	Spod	Southwest end is 22 cm of homogeneous K-spar granite, then 17 cm of spodumene pegmatite that begins alternating with 3 bands of fine-grained grey aplite that are 8, 5 and 9 cm wide respectively and have 5-10% brownish to greenish mica, small tabular white crystals in the aplite account for 15% of the zone and are either cleavelandite or spodumene, and aplite has some large spodumene crystals that extend from the enclosing spodumene pegmatite, which has about 10% greenish-white to white, blady, poorly aligned crystals to 10 cm long, associated with 45-50% beige K-feldspars, grey quartz, ~8% brownish to greenish interstitial mica, rare subhedral orange garnet to 2 mm, with the 40 cm of spodumene pegmatite, spodumene is about 4-5% overall in the sample.	179594

Channel Log MCVITTIE-16-CH-4					
2.44	3.06	Spod Peg	Spod	All spodumene pegmatite that has a few large white to beige K-spars to 8 cm long by 2 cm wide, for about 45-55% K-spar, with grey quartz, 4-5% interstitial brownish to greenish mica, and trace small blue apatite, spodumene is greenish-white to mostly white, blady, mostly aligned in sample and on surface, reaches 5 cm, and spodumene pegmatite is about 10-18% spodumene, or about 13% spodumene overall in the sample.	179595
3.06	4.07	Spod Peg	Spod	All spodumene pegmatite but has a 25 cm section near the middle of the sample that is dominated by large beige K-spars, one of which is 19 cm long by 5 cm wide (this section has 3-4% spodumene and 60-70% K-spar), otherwise about 45-50% K-spar, grey quartz, 5-6% interstitial brownish to greenish mica, and trace small blue apatite, spodumene is greenish-white to white, blady, mostly aligned in sample and on surface, reaches 10 cm long, and sample is about 10-16% spodumene, or about 10% spodumene overall in the sample.	179596
4.07	5.05	Spod Peg	Spod	All spodumene pegmatite that has a few large beige K-spars to 4 cm long, for about 40-45% K-spar, grey quartz, 5-8% interstitial light greenish mica, and trace small blue apatite, spodumene is greenish-white to mostly white, blady, partly aligned in sample, reaches 9 cm long by 1 cm wide, and sample is about 10-12% spodumene, or about 11% overall in the sample.	179597
5.05	6.09	Spod Peg	Spod	Southwestern 50 cm is spodumene pegmatite, with a few large beige K-spars, the largest is 7 by 2 cm, then 4 and 5 cm wide grey fine-grained bands of aplite with 5 cm of spodumene pegmatite in between, the rest is spodumene pegmatite to 1.0 to 1.5 cm from the northwest end where the contact with the K-spar granite is, note the 0.5 cm of quartz, K-feldspar wall zone at the contact, aplite has 15% brown to mostly light green mica, 1% orange subhedral garnets to 2 mm, and some large spodumene crystals growing into it from the enclosing spodumene pegmatite, the spodumene pegmatite has about 40% K-spar, grey quartz, 5-8% interstitial light greenish mica, and rare subhedral orange garnet to 4 mm, spodumene is greenish-white to white, blady, mostly aligned in sample, reaches 8 cm long, the last 4 cm of pegmatite at the northeast end has light green mica pseudomorphs after spodumene, and spodumene pegmatite is about 10-12% spodumene, or about 8% spodumene overall in the sample.	179598
6.09	6.1	EOH		EOH	

Channel Log MCVITTIE-16-CH-4E

Company: Rock Tech Lithium
Property: **McVittie Pegmatite**
Channel number: MV-16-CH-4E
claim number: TB732175
Logger: Harvey M. Buck
Start Date: **24-Oct-16**
End Date: **24-Oct-16**
Date logged: 27-Nov-16

collar coordinates:

easting 425729.43
northing 5473395.022
elevation 402.995
azimuth 46 From the southwest end of the channel
dip 0
final length (m) 1.02

comments: Starts 59 cm south of the northeast end of channel MV-16-CH-4

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	1.02	Granite		Homogeneous medium-grained K-spar granite comprised dominantly of subhedral to euhedral greenish-white to white K-spar from 3-8 mm wide comprising 60% of the granite, about 30% grey quartz and 10% interstitial biotite, contact is slightly undulating but fairly constant at 132 degrees/dipping 84 degrees SW.	179599
1.02	1.02	BLANK		BLANK	179600
1.02	1.03	EOH		EOH	

Channel Log MCVITTIE-16-CH-4W

Company: Rock Tech Lithium
Property: **McVittie Pegmatite**
Channel number: MV-16-CH-4W
claim number: TB732175
Logger: Harvey M. Buck
Start Date: 24-Oct-16
End Date: 24-Oct-16
Date logged: 27-Nov-16

collar coordinates:

easting 425723.199
northing 5473391.829
elevation 402.249
azimuth 58 From the southwest end of the channel
dip 0
final length (m) 0.85

comments:

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	0.85	K-spar Granite/Spod Peg/Wall Zone	Spod	Homogeneous medium-grained K-spar granite comprised dominantly of subhedral to euhedral greenish-white to white K-spar from 3-13 mm wide comprising 60% of the granite, about 30% grey quartz and 10% interstitial biotite, there is 6-10 cm of pegmatite at the northeast end which has about 3-5 mm of wall zone, the rest is intermediate pegmatite/spodumene pegmatite with white K-spar to 3 cm and 12% light green mica pseudomorphs after blady, aligned spodumene that reached 4 cm long and are associated with rare subhedral orange garnet.	179589
0.85	0.85	LOW STANDARD		LOW STANDARD	179590
0.85	0.86			EOH	

Channel Log MCVITTIE-16-CH-5

Company: Rock Tech Lithium
Property: **McVittie Pegmatite**
Channel number: MV-16-CH-5
claim number: TB732175
Logger: Harvey M. Buck
Start Date: 25-Oct-16
End Date: 25-Oct-16
Date logged: 11/27/2016, 11/28/2016

collar coordinates:

easting 425713.587
northing 5473420.665
elevation 399.246
azimuth 76 From the southwest end of the channel
dip 0
final length (m) 5.76

comments:

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	1.03	Granite		Homogeneous medium-grained granite comprised of subhedral beige K-spar from 2-7 mm wide comprising 60% of the granite, about 25% grey quartz and 15% interstitial biotite, 1 to 1.5 cm of pegmatite on the northwest end including 0.5 cm of poorly developed comb structure quartz and K-feldspar wall zone, an 8 cm section is poorly sampled at the base of a verticle face in the sample, contact with pegmatite is fairly constant at 351 degrees/dipping 82 degrees E.	179601
1.03	1.85	Spod Peg/Aplite/ Intermediate Peg	Spod	Southwestern most 20 cm is intermediate pegmatite with 5% altered spodumene, the southeastermost 10 cm of which has all spodumene pseudomorphed by light green mica, otherwise the spodumene is partly converted to dark green altered spodumene, especially the outer portions, associated with rare subhedral orange garnet to 1.5 mm, the northeastermost 22 cm is dark grey fine to very fine-grained aplite (except for 2 cm at the southeast end at the top of the sample which is spodumene pegmatite) with possible cleavelandite (or spodumene??) to 7%, and 4% brownish to greenish mica, the remainder of the sampole is spodumene pegmatite with a few large beige K-spars to 5 cm long by 2 cm wide, for about 45% K-spar, grey quartz, 4-5% interstitial brownish to light greenish mica, and trace small blue apatite, spodumene is greenish-white to mostly white, very rarely needle like, mostly blady, partly aligned in sample and on outcrop, reaches 4.5 cm long, and is about 10-16% spodumene, or about 8-10% spodumene overall in the sample.	179602
1.85	2.89	Spod Peg/Aplite	Spod	Southwest end is 9 cm of fine to very fine-grained dark grey aplite with 5-6% interstitial brownish to greenish mica and trace small blue apatites, the rest of the sample is spodumene pegmatite, the spodumene is partially altered to dark green crackled appearing spodumene with extra alteration on the rims but partially preserved cores in the western 13 cm, the spodumene pegmatite has a few large beige K-spars to 5 cm long, for about 40-50% K-spar, grey quartz, 6-9% interstitial brownish to light greenish mica, spodumene is greenish-white to mostly white, blady, partly aligned in sample, reaches 6.5 cm long, and is about 10-15% spodumene, or about 11-12% spodumene overall in the sample.	179603
2.89	3.84	Spod Peg/Aplite	Spod/Black Oxides	17 cm of fine-grained dark grey aplite with 15% brownish to mostly light greenish mica, rare black oxides to 1 mm, and trace subhedral blue apatite, aplite located 22 cm northeast of the end of the sample, the rest of the sample is spodumene pegmatite that has a few large beige K-spars to 7 cm long by 2 cm wide, for about 45-50% K-spar, grey quartz, 4% interstitial brownish to mostly light greenish mica, and trace small blue apatite, spodumene is greenish-white to mostly white, blady, mostly aligned in sample, reaches 8 cm long, and is about 18% spodumene in the southwestern 22 cm and 5-20% in the rest, for about 8% spodumene overall in the sample.	179604

Channel Log MCVITTIE-16-CH-5					
3.84	4.86	Spod Peg/Aplite	Spod	Sample mostly spodumene pegmatite, southwest end has a 5 cm patch of aplite and two aplite patches to bands between 25-40 cm from the northeast end, aplite is brownish-grey, fine to very fine-grained, has about 10% mostly brownish mica, spodumene pegmatite has a few beige to mostly white K-spars to 3 cm long, for about 40-45% K-spar, grey quartz, and 6-8% interstitial brownish to light greenish mica, spodumene is greenish-white to mostly white, blocky to mostly blady with many blades being curved, partly aligned in sample and mostly aligned in outcrop, reaches 7 cm long, and is about 10-20% spodumene, or about 12-14% spodumene overall in the sample. Sample is a duplicate of 179606.	179605
3.84	4.86	Spod Peg/Aplite	Spod	Sample is mostly spodumene pegmatite, southwest end has a 5 cm patch of aplite and two aplite patches to bands between 25-40 cm from the northeast end, aplite is brownish-grey, fine to very fine-grained, and has about 10% mostly brownish mica, spodumene pegmatite has a few beige to mostly white K-spars to 3 cm long, for about 40-45% K-spar, grey quartz, and 6-8% interstitial brownish to light greenish mica, spodumene is greenish-white to mostly white, blocky to mostly blady with many blades being curved, partly aligned in sample and mostly aligned in outcrop, reaches 7 cm long, and is about 10-14% spodumene, or about 10-11% spodumene overall in the sample. Sample is a duplicate of 179605.	179606
4.86	5.76	Spod Peg/Aplite	Spod	From the southwest end, sample has 29 cm of spodumene pegmatite with ~20% spodumene, then a 16 cm wide band of aplite, then a 5 cm band of spodumene pegmatite, then a 9 cm thick band of aplite and the remaining sample to the northeast is spodumene pegmatite, aplite is fine-grained brownish grey with 15-18% brown mica, spodumene pegmatite has a few large white K-spars to 3 cm long, and about 30-40% K-spar, grey quartz, and 5-7% interstitial brown to occasionally light greenish mica, spodumene is greenish-white to white, blocky to blady, partly aligned in sample, reaches 3 cm long, and is about 15-20% spodumene, or about 13% spodumene overall in the sample.	179607
5.76	5.77			EOH	

Channel Log MCVITTIE-16-CH-5E

Company: Rock Tech Lithium
Property: **McVittie Pegmatite**
Channel number: MV-16-CH-5E
claim number: TB732175
Logger: Harvey M. Buck
Start Date: 26-Oct-16
End Date: 26-Oct-16
Date logged: 28-Nov-16

collar coordinates:

easting 425719.236
northing 5473421.05
elevation 398.713
azimuth 74 From the southwest end of the channel
dip 0
final length (m) 2.29

comments: Channel is approximately 68 cm south of the northeast end of MV-16-CH-5

From (m)	To (m)	Rock Type	Min'z	Mineralization Description/Comments	Sample number
0	1.1	Spod Peg/Aplite	Spod	Sample starts at the base of a cliff of pegmatite, sample is mostly spodumene pegmatite, southwest end has a 4 cm patch of aplite which is brownish-grey, fine to very fine-grained, and has about 15% mostly brownish mica, at the northeast end is 0.5 cm of K-spar + quartz wall zone, contact is straight and appears to be representative at 163 degrees/dipping 89 degrees W, the rest is spodumene pegmatite that has a number of beige K-spars to 5 cm long, for about 45-55% K-spar, grey quartz, and 5-6% interstitial brownish to light greenish mica, spodumene is greenish-white to white, blocky to blady, partly aligned in sample and mostly aligned in outcrop, reaches 10 cm long, spodumene at the northeast end is partly altered to dark green spodumene for 2-3 cm from the contact, sample has about 18-20% spodumene, or about 18% spodumene overall in the sample.	179608
1.1	2.29	Granite/ Spod Peg	Spod	Homogeneous medium-grained granite comprised of subhedral beige K-spars from 2-8 mm wide comprising 60% of the granite, about 25% grey quartz and 15% interstitial biotite, 18 cm of spodumene pegmatite dyke on the northwest end including 0.5 cm of poorly developed comb structure quartz and K-feldspar wall zone on both sides of the dyke, pegmatite has about 10% spodumene as light green mica pseudomorphs after spodumene, some with remnant spodumene specks within them, a few altered to green spodumene, they are blady, mostly aligned, and reach 5 cm long, associated with trace blue subhedral apatite to 4 mm.	179609
2.29	2.29	HIGH STANDARD		HIGH STANDARD	179610
2.29	2.3	EOH		EOH	

Appendix C – Daily Work Logs

Prospecting Work Log														
Date	Location	Alex	Mike	Luke	Doug	Frank	Roger	Scott	Chainsaw	ATV/Mule	Travel (km)	Gas	Supplies	Note
July														
2016-07-27	McVittie	x	x	x				x	x	x	x	x	x	prospecting historic showings from MDI and past RCK work and recording locations of any historic collars
2016-07-28	Foster-Lew	x	x	x				x	x	x	x	x	x	prospecting historic showings from MDI and past RCK work and recording locations of any historic collars
2016-07-29	Parole	x	x	x				x	x	x	x	x	x	prospecting historic showings from MDI and past RCK work and recording locations of any historic collars
2016-07-30	Parole	x	x	x				x	x	x	x	x	x	prospecting historic showings from MDI and past RCK work and recording locations of any historic collars
2016-07-31	Parole	x	x	x				x	x	x	x	x	x	prospecting historic showings from MDI and past RCK work and recording locations of any historic collars
August														
2016-08-01	Parole	x	x	x	x	x	x	x	x	x	x	x	x	prospecting historic showings from MDI and past RCK work and recording locations of any historic collars
2016-08-02	East of Aumacho	x	x	x	x	x	x	x	x	x	x	x	x	search for new pegmatite outcrop
2016-08-03	Newkirk	x	x	x	x	x	x	x	x	x	x	x	x	prospecting historic showings from MDI and past RCK work and recording locations of any historic collars
2016-08-04	Newkirk	x	x	x	x	x			x	x	x	x	x	prospecting historic showings from MDI and past RCK work and recording locations of any historic collars
2016-08-05	Line 60/New claims	x	x	x					x	x	x	x	x	search for new pegmatite outcrop
2016-08-06	Parole	x	x	x	x	x		x	x	x	x	x	x	prospecting historic showings from MDI and past RCK work and recording locations of any historic collars
2016-08-07	Nama Creek	x	x	x	x	x		x	x	x	x	x	x	search for new pegmatites, prospecting historic showings from MDI and past RCK work and recording locations of any historic collars
2016-08-08	Nama Creek	x	x	x	x	x		x	x	x	x	x	x	search for new pegmatites, prospecting historic showings from MDI and past RCK work and recording locations of any historic collars
2016-08-09	Nama Creek	x	x	x	x	x		x	x	x	x	x	x	search for new pegmatites, prospecting historic showings from MDI and past RCK work and recording locations of any historic collars
2016-08-10	Nama Creek	x	x	x	x	x		x	x	x	x	x	x	search for new pegmatites, prospecting historic showings from MDI and past RCK work and recording locations of any historic collars

Trenching and Channel Sampling Work Log															
Date	Location	Alex	Mike	Brad	Chainsaw	Pump	ATV/Mule	Travel (km)	Hose	Channel Saws	Gas	Supplies	Generator	Drill	Note
August															
2016-08-10	Trail to Conway	x	x		x		x	x			x	x	x	x	Bridge
2016-08-11	Trail to Conway	x	x		x		x	x			x	x	x	x	Bridge
2016-08-12	Trail to Conway		x												Finish Bridge
2016-08-13															
2016-08-14	To Line 60	x	x		x		x	x			x	x			trail making
2016-08-15	Line 60/Trail Prep	x	x			x	x	x	x		x	x			trail making
2016-08-16	Line 60	x	x			x	x	x	x	x	x	x			start working dyke
2016-08-17	Line 60	x				x	x	x	x	x	x	x			continue trenching + channel sampling
2016-08-18	Line 60	x	x		x	x	x	x	x	x	x	x			continue trenching + channel sampling
2016-08-19	Line 60	x	x			x	x	x	x	x	x	x			continue trenching + channel sampling
2016-08-20	Line 60	x	x			x	x	x	x	x	x	x			continue trenching + channel sampling
2016-08-21	Line 60	x				x	x	x	x	x	x	x			continue trenching + channel sampling
2016-08-22	Line 60	x	x		x	x	x	x	x	x	x	x			continue trenching + channel sampling
2016-08-23	Line 60	x	x		x	x	x	x	x	x	x	x			continue trenching + channel sampling
2016-08-24	Line 60	x				x	x	x	x	x	x	x			continue trenching + channel sampling
2016-08-25	Line 60	x	x			x	x	x	x	x	x	x			continue trenching + channel sampling
2016-08-26	Line 60	x	x			x	x	x	x	x	x	x			continue trenching + channel sampling
2016-08-27	Line 60	x	x		x	x	x	x	x	x	x	x			finish and Mob to West

2016-08-28	West Dike/ Harricana	x	x		x	x	x	x	x	x	x	x			start working dyke
2016-08-29	West Dike/ Harricana	x	x			x	x	x	x	x	x	x			continue trenching + channel sampling
2016-08-30	West Dike/ Harricana	x	x			x	x	x	x	x	x	x			continue trenching + channel sampling
2016-08-31	West Dike/ Harricana	x	x			x	x	x	x	x	x	x			continue trenching + channel sampling
September															
2016-09-01	West Dike/ Harricana	x	x		x	x	x	x	x	x	x	x			continue trenching + channel sampling
2016-09-02	West Dike/ Harricana		x			x	x	x	x	x	x	x			continue trenching + channel sampling
2016-09-03															
2016-09-04															
2016-09-05	West Dike/ Harricana	x	x			x	x	x	x	x	x	x			continue trenching + channel sampling
2016-09-06	West Dike/ Harricana	x	x			x	x	x	x	x	x	x			continue trenching + channel sampling
2016-09-07	West Dike/ Harricana	x				x	x	x	x	x	x	x			continue trenching + channel sampling
2016-09-08															
2016-09-09	West Dike/ Harricana		x			x	x	x	x	x	x	x			continue trenching + channel sampling
2016-09-10	West Dike/ Harricana	x	x			x	x	x	x	x	x	x			continue trenching + channel sampling
2016-09-11	West Dike/ Harricana	x	x			x	x	x	x	x	x	x			continue trenching + channel sampling
2016-09-12	Walk to Main Road	x			x	x	x	x	x	x	x	x			demob
2016-09-13	Float Day to Parole	x	x				x	x			x	x			
2016-09-14	Parole - Road	x		x	x		x	x			x	x			trail building
2016-09-15	Parole - Road	x		x	x		x	x			x	x			trail building
2016-09-16	Parole - Road	x		x	x		x	x			x	x			trail building

2016-09-17	Parole - Road	x		x	x		x	x		x	x	x		Channel saw with Harvey/Doug
2016-09-18	Parole - Road	x		x	x		x	x		x	x	x		Channel saw with Harvey/Doug
2016-09-19	Parole - Road	x		x	x		x	x		x	x	x		Channel saw with Harvey/Doug
2016-09-20	Parole - Road	x			x		x	x		x	x	x		Channel saw with Harvey/Doug
2016-09-21	Parole - Road	x			x		x	x		x	x	x		Channel saw with Harvey/Doug
2016-09-22	Parole - Road	x	x		x		x	x		x	x	x		Channel saw with Harvey/Doug
2016-09-23	Parole - Road	x			x		x	x		x	x	x		Channel saw with Harvey/Doug
2016-09-24	Parole - Road	x			x		x	x		x	x	x		Channel saw with Harvey/Doug
2016-09-25	Parole - Road	x			x		x	x		x	x	x		Channel saw with Harvey/Doug
2016-09-26	Parole									x				Hoe down, saw(harvey)
2016-09-27	Parole	x					x	x						Hoe down, saw(harvey)
2016-09-28	Parole	x				x	x	x	x		x	x		trenching
2016-09-29	Parole	x	x		x	x	x		x		x	x		trenching
2016-09-30	Parole	x	x			x	x		x		x	x		trenching
October														
2016-10-01														
2016-10-02														
2016-10-03	McVittie/Parole	x	x			x	x	x	x	x	x	x		continue trenching + channel sampling
2016-10-04	McVittie/Parole	x	x			x	x	x	x	x	x	x		continue trenching + channel sampling
2016-10-05	McVittie/Parole	x				x	x	x	x	x	x	x		continue trenching + channel sampling
2016-10-06	McVittie	x					x	x			x	x		continue trenching + channel sampling

2016-10-07	McVittie	x	x				x	x			x				continue trenching + channel sampling
2016-10-08	McVittie	x	x				x	x		x	x	x			continue trenching + channel sampling
2016-10-09	Parole/McVittie	x	x		x	x	x	x	x	x	x	x			continue trenching + channel sampling
2016-10-10	Finish Ex work @McVittie/Parole	x	x			x	x	x	x	x	x	x			
2016-10-11	McVittie/MZSW	x	x			x	x	x	x	x	x	x			float day to km4 (Aumacho/Newkirk)
2016-10-12	km4 float day+walk/	x				x	x	x	x	x	x	x			
2016-10-13	Aumacho	x	x		x	x	x	x	x	x	x	x			
2016-10-14	Aumacho/McVittie	x	x			x	x	x	x	x	x	x			continue trenching + channel sampling
2016-10-15	Trail to Newkirk	x	x		x	x	x	x	x	x	x	x			
2016-10-16	McVittie/MZSW	x						x							Hoe to be floated from Nama to Conway
2016-10-17	Conway/Trail to Newkirk/MZSW	x	x		x	x	x	x	x	x	x	x			Hoe floated Nama to Conway
2016-10-18	Conway/Trail to Newkirk	x	x		x		x	x		x	x	x			continue trenching + channel sampling
2016-10-19	Conway/Trail to Newkirk	x			x		x	x		x	x	x			continue trenching + channel sampling
2016-10-20	Conway/Trail to Newkirk	x	x		x	x	x	x	x	x	x	x			continue trenching + channel sampling
2016-10-21	Conway/Newkirk	x	x			x	x	x	x	x	x	x			trenching
2016-10-22	Conway/Newkirk	x	x			x	x	x	x	x	x	x			trenching
2016-10-23	Conway/Newkirk	x				x	x	x	x	x	x	x			trenching
2016-10-24	Conway/Newkirk	x				x	x	x	x	x	x	x			trenching
2016-10-25	Conway/Newkirk	x	x			x	x	x	x	x	x	x			trenching
2016-10-26	Conway/Newkirk					x	x	x	x	x	x	x			trenching

2016-10-27	Conway/Newkirk	x	x			x	x	x	x	x	x	x		trenching
2016-10-28	Conway/Newkirk	x	x			x	x	x	x	x	x	x		trenching
2016-10-29	Conway	x	x			x	x	x	x	x	x	x		trenching
2016-10-30	Conway	x	x			x	x	x	x	x	x	x		trenching
2016-10-31	Conway	x	x			x	x	x	x	x	x	x		trenching
November														
2016-11-01	Conway	x	x			x	x	x	x	x	x	x		trenching
2016-11-02						x	x	x	x	x	x	x		trenching
2016-11-03	Conway/Newkirk	x	x			x	x	x	x	x	x	x		Excavator- pull bridge/crib from Conway to landing
2016-11-04	Conway/Newkirk	x	x			x	x	x	x	x	x	x		trenching/sampling
2016-11-05	Conway/Newkirk	x	x			x	x	x	x	x	x	x		sampling
2016-11-06	Conway/Newkirk/ Parole	x	x			x	x	x	x	x	x	x		sampling
2016-11-07	Newkirk	x				x	x	x	x	x	x	x		Old Hyundai floated out of bush
2016-11-08	Newkirk	x	x			x	x	x	x	x	x	x		New Hyundai floated out of bush
2016-11-09	Newkirk	x	x			x	x	x	x	x	x	x		sampling
2016-11-10														
2016-11-11	Newkirk	x				x								pack-out equipment and pull-out broke ATV @Newkirk

Appendix D – Certificates of Analysis

Grab Samples

Quality Analysis ...



Innovative Technologies

Date Submitted: 11-Aug-16
Invoice No.: A16-07919
Invoice Date: 09-Sep-16
Your Reference: Georgia Lake Lithium

Rock Tech Lithium Inc.
789 West Pender Street
Suite 1200
Vancouver BC V6C 1H6
Canada

ATTN: Julie Selway

CERTIFICATE OF ANALYSIS

15 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 4Litho-Pegmatite Special Major Elements Fusion ICP(WRA)/Trace Elements Fusion ICP/MS(WRA4B2)

Code 8-Li (Sodium Peroxide Fusion) Sodium Peroxide Fusion

REPORT **A16-07919**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Total includes all elements in % oxide to the left of total.

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Eseme". The signature is stylized with a large, looped 'E' and 'S'.

Emmanuel Eseme, Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Results

Activation Laboratories Ltd.

Report: A16-07919

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	0.01	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
881151	75.19	15.68	0.59	0.052	0.03	0.22	4.62	2.20	0.004	0.16	0.50	99.26	< 1	192	< 5	< 20	< 1	< 20	< 10	< 0.01	36	4	< 5
881152	76.77	15.85	0.78	0.065	0.03	0.21	4.60	1.38	0.002	0.16	0.54	100.4	< 1	217	< 5	< 20	< 1	< 20	< 10	< 0.01	38	4	< 5
881153	75.62	16.42	0.61	0.062	0.05	0.17	4.25	2.30	0.002	0.18	0.51	100.2	< 1	135	< 5	20	< 1	< 20	< 10	< 0.01	37	4	< 5
881154	75.74	16.65	0.63	0.113	0.03	0.15	4.14	1.48	0.003	0.11	0.38	99.42	< 1	191	< 5	20	< 1	< 20	< 10	40.0	37	4	< 5
881155	74.51	15.25	0.55	0.054	0.03	0.13	4.15	3.70	0.002	0.12	0.56	99.05	< 1	198	< 5	< 20	< 1	< 20	< 10	< 0.01	36	4	< 5
881010	72.29	17.70	0.51	0.015	0.02	0.04	4.05	3.46	0.010	0.03	1.81	99.93	< 1	18	< 5	< 20	< 1	< 20	< 10	58.0	54	3	< 5
881011	74.14	16.07	0.31	0.012	0.03	0.26	7.64	1.07	0.004	0.26	0.73	100.5	< 1	105	< 5	< 20	< 1	< 20	< 10	< 0.01	33	5	< 5
881012	76.10	15.47	0.61	0.048	0.06	0.22	5.70	1.23	0.002	0.16	0.46	100.1	< 1	127	< 5	< 20	< 1	< 20	< 10	< 0.01	35	4	< 5
881013	78.53	13.88	0.87	0.105	0.03	0.20	3.35	1.19	0.001	0.26	0.54	98.95	< 1	211	< 5	< 20	< 1	< 20	< 10	< 0.01	37	4	< 5
881014	75.95	16.21	0.96	0.139	0.02	0.17	3.24	1.69	0.002	0.30	0.76	99.46	< 1	332	< 5	< 20	< 1	< 20	< 10	35.0	50	4	< 5
881015	77.10	15.50	0.98	0.085	0.03	0.12	2.44	1.56	0.002	0.15	0.69	98.66	< 1	236	< 5	< 20	< 1	< 20	< 10	38.0	49	3	< 5
881016	75.50	15.85	0.67	0.050	0.04	0.15	3.86	2.47	0.003	0.13	0.61	99.32	< 1	166	< 5	20	< 1	< 20	< 10	< 0.01	40	4	< 5
881061	73.92	16.54	0.44	0.013	0.03	0.08	5.49	2.14	0.010	0.10	1.29	100.1	< 1	111	< 5	< 20	< 1	< 20	< 10	< 0.01	43	4	< 5
881062	75.53	15.07	0.32	0.009	0.03	0.17	7.22	0.86	0.004	0.17	0.57	99.95	< 1	175	< 5	20	< 1	< 20	< 10	< 0.01	28	5	< 5
881063	73.18	17.64	0.36	0.011	0.03	0.08	6.04	2.18	0.010	0.08	1.10	100.7	< 1	64	< 5	< 20	< 1	< 20	< 10	< 0.01	44	4	< 5

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2
881151	583	24	2	8	29	< 2	< 0.5	< 0.2	69	< 0.5	35.4	39	< 0.4	0.5	24.0	< 1	3.4	14	1.6	2.0	0.65	1.39	
881152	397	20	< 2	10	18	< 2	< 0.5	< 0.2	67	1.7	27.1	37	1.5	0.6	19.7	< 1	2.6	15	1.8	6.7	0.72	1.56	
881153	719	35	2	19	50	< 2	< 0.5	< 0.2	76	< 0.5	55.8	55	1.0	2.0	94.6	< 1	4.9	14	1.9	3.7	0.74	1.60	
881154	466	18	< 2	16	22	< 2	< 0.5	< 0.2	75	< 0.5	33.8	25	1.6	1.4	22.5	< 1	3.7	13	1.0	2.8	0.84	1.81	
881155	1220	27	3	23	43	< 2	< 0.5	< 0.2	60	< 0.5	69.8	32	0.6	2.3	60.8	< 1	8.4	19	1.6	4.5	0.47	1.01	
881010	939	14	< 2	7	21	< 2	< 0.5	< 0.2	66	1.6	23.7	10	< 0.4	0.3	15.7	2	7.3	< 5	< 0.1	0.2	< 0.01	< 0.01	
881011	593	19	2	17	115	< 2	< 0.5	< 0.2	25	< 0.5	25.1	10	< 0.4	2.3	271	< 1	4.9	7	1.2	1.5	< 0.01	< 0.01	
881012	359	18	< 2	11	39	< 2	< 0.5	< 0.2	70	< 0.5	26.1	44	0.8	0.9	37.7	< 1	2.8	13	1.6	4.2	0.49	1.06	
881013	407	22	< 2	8	28	< 2	< 0.5	< 0.2	73	< 0.5	28.0	24	0.6	0.6	16.0	< 1	2.8	13	1.8	5.5	0.82	1.76	
881014	653	27	< 2	26	44	< 2	< 0.5	< 0.2	82	1.9	49.5	33	6.3	1.8	19.2	< 1	3.9	13	2.0	4.9	0.81	1.74	
881015	628	23	< 2	15	40	< 2	< 0.5	< 0.2	86	< 0.5	45.8	23	2.1	1.1	24.4	< 1	3.7	10	1.5	3.1	1.00	2.16	
881016	836	20	< 2	21	37	< 2	< 0.5	< 0.2	74	< 0.5	45.4	34	0.6	2.0	31.4	< 1	5.7	15	0.9	3.8	0.74	1.59	
881061	939	16	< 2	18	82	< 2	< 0.5	< 0.2	46	< 0.5	45.7	8	< 0.4	2.4	148	< 1	6.8	5	0.6	1.3	< 0.01	0.01	
881062	222	22	< 2	20	73	< 2	< 0.5	< 0.2	18	1.4	9.3	17	< 0.4	2.6	126	2	2.4	8	0.7	3.9	< 0.01	< 0.01	
881063	630	34	< 2	19	84	< 2	< 0.5	< 0.2	48	< 0.5	20.6	19	< 0.4	2.7	138	1	4.3	6	0.9	1.3	< 0.01	< 0.01	

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	0.01	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
NIST 694 Meas	11.20	1.89	0.74	0.010	0.34	42.47	0.89	0.54	0.120	30.20					1617								
NIST 694 Cert	11.2	1.80	0.790	0.0116	0.330	43.6	0.860	0.510	0.110	30.2					1740								
DNC-1 Meas	47.27	17.99	9.85	0.150	9.93	11.56	1.88	0.22	0.480	0.07			31		149	280	56	240	100	73.0	15		
DNC-1 Cert	47.15	18.34	9.97	0.150	10.13	11.49	1.890	0.234	0.480	0.070			31		148	270	57	247	100		15		
GBW 07113 Meas	71.57	12.82	3.18	0.140	0.14	0.60	2.45	5.41	0.280	0.03			5	4	6								
GBW 07113 Cert	72.8	13.0	3.21	0.140	0.160	0.590	2.57	5.43	0.300	0.0500			5.00	4.00	5.00								
LKSD-3 Meas																90	30	50	30	148			26
LKSD-3 Cert																87.0	30.0	47.0	35.0	0.0152			27.0
TDB-1 Meas																250		100	330	155			
TDB-1 Cert																251		92	323				
W-2a Meas	52.87	15.32	11.11	0.170	6.23	11.16	2.23	0.62	1.090	0.13			35	< 1	273	90	43	70	110	75.0	18	1	< 5
W-2a Cert	52.4	15.4	10.7	0.163	6.37	10.9	2.14	0.626	1.06	0.130			36.0	1.30	262	92.0	43.0	70.0	110	0.00800	17.0	1.00	1.20
SY-4 Meas	50.43	21.11	6.25	0.110	0.50	8.16	6.94	1.68	0.290	0.11			< 1	3	7								
SY-4 Cert	49.9	20.69	6.21	0.108	0.54	8.05	7.10	1.66	0.287	0.131			1.1	2.6	8.0								
CTA-AC-1 Meas																				35.8			
CTA-AC-1 Cert																							
BIR-1a Meas	48.02	15.16	11.15	0.170	9.40	13.50	1.81	0.02	0.940	0.02			43	< 1	324	410	50	180	120	76.0	17		
BIR-1a Cert	47.96	15.50	11.30	0.175	9.700	13.30	1.82	0.030	0.96	0.021			44	0.58	310	370	52	170	125		16		
NCS DC86312 Meas																							
NCS DC86312 Cert																							
ZW-C Meas																							
ZW-C Cert																							
NCS DC70009 (GBW07241) Meas																	4		970	103	18	10	65
NCS DC70009 (GBW07241) Cert																	3.7		960		16.5	11.2	69.9
OREAS 100a (Fusion) Meas																	17		170				
OREAS 100a (Fusion) Cert																	18.1		169				
OREAS 101a (Fusion) Meas																	48		440				
OREAS 101a (Fusion) Cert																	48.8		434				
OREAS 101b (Fusion) Meas																	45		420				
OREAS 101b (Fusion) Cert																	47		416				
JR-1 Meas																		< 20		32.3	17	2	16
JR-1 Cert																		1.67			16.1	1.88	16.3
NCS DC86303 Meas																							
NCS DC86303 Cert																							
NCS DC86314 Meas																							
NCS DC86314 Cert																							
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	0.01	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							
881063 Orig	72.99	17.68	0.36	0.011	0.03	0.08	6.03	2.18	0.010	0.08	1.10	100.6	< 1	63	< 5	< 20	< 1	< 20	< 10	32.0	45	4	< 5
881063 Dup	73.37	17.59	0.36	0.011	0.03	0.08	6.05	2.17	0.010	0.08	1.10	100.8	< 1	64	< 5	< 20	< 1	< 20	< 10	< 0.01	43	4	< 5
Method Blank																< 20	< 1	< 20	< 10	< 0.01	< 1	< 1	< 5
Method Blank																							

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
NIST 694 Meas																						
NIST 694 Cert																						
DNC-1 Meas		140	16	35						1.0		106						7				
DNC-1 Cert		144.0	18.0	38						0.96		118						6.3				
GBW 07113 Meas		39	46	384								495										
GBW 07113 Cert		43.0	43.0	403								506										
LKSD-3 Meas	73					< 2	3.0		2	1.2	2.4				0.6				10.3	4.4		
LKSD-3 Cert	78.0					2.00	2.70		3.00	1.30	2.30				0.700				11.4	4.60		
TDB-1 Meas	21																			2.6		
TDB-1 Cert	23																			2.7		
W-2a Meas	20	191	19	87		< 2				0.7	0.9	174	< 0.4		0.5	< 1	< 0.1	7	1.9	0.5		
W-2a Cert	21.0	190	24.0	94.0		0.600				0.790	0.990	182	0.0300		0.500	0.300	0.200	9.30	2.40	0.530		
SY-4 Meas		1216	117	538								350										
SY-4 Cert		1191	119	517								340										
CTA-AC-1 Meas																2.5					4.2	
CTA-AC-1 Cert															2.65						4.4	
BIR-1a Meas		105	14	16								7		0.6					< 5			
BIR-1a Cert		110	16	18								6		0.60					3			
NCS DC86312 Meas																				25.7		
NCS DC86312 Cert																				23.6		
ZW-C Meas											261				83.5	325	34.2					
ZW-C Cert											260				82	320	34					
NCS DC70009 (GBW07241) Meas	510						2.0	1.0	1620		42.1					2100	1.9		29.2			
NCS DC70009 (GBW07241) Cert	500						1.8	1.3	1701		41					2200	1.8		28.3			
OREAS 100a (Fusion) Meas						24													52.0	140		
OREAS 100a (Fusion) Cert						24.1													51.6	135		
OREAS 101a (Fusion) Meas						20													35.9	438		
OREAS 101a (Fusion) Cert						21.9													36.6	422		
OREAS 101b (Fusion) Meas						20													35.8	388		
OREAS 101b (Fusion) Cert						20.9													37.1	396		
JR-1 Meas	251				15	3		< 0.2	3	1.1	20.4		0.5	4.2	2.0	2	1.4	20	26.5	8.8		
JR-1 Cert	257				15.2	3.25		0.028	2.86	1.19	20.8		0.56	4.51	1.86	1.59	1.56	19.3	26.7	8.88		
NCS DC86303 Meas																					0.22	0.47
NCS DC86303 Cert																					0.21	0.460
NCS DC86314 Meas																					1.80	3.86
NCS DC86314 Cert																					1.81	3.89
Lithium Tetraborate FX-LT 100 lot#220610B Meas																					8.09	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																					8	

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Lithium Tetraborate FX-LT 100 lot#220610B Meas																					8.00	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																					8	
881063 Orig	635	33	< 2	19	87	< 2	< 0.5	< 0.2	49	< 0.5	20.8	19	< 0.4	2.8	145	1	4.1	6	0.9	1.3	< 0.01	< 0.01
881063 Dup	625	34	< 2	19	80	< 2	< 0.5	< 0.2	47	< 0.5	20.5	19	< 0.4	2.6	131	1	4.6	6	0.9	1.4	< 0.01	0.01
Method Blank	< 2				< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5		< 0.4	< 0.2	< 0.1	< 1	< 0.1	< 5	< 0.1	< 0.1		
Method Blank																					< 0.01	< 0.01



Date Submitted: 04-Aug-16
Invoice No.: A16-07621
Invoice Date: 19-Sep-16
Your Reference: Georgia Lake Lithium

Rock Tech Lithium Inc.
789 West Pender Street
Suite 1200
Vancouver BC V6C 1H6
Canada

ATTN: Julie Selway

CERTIFICATE OF ANALYSIS

32 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 4Litho-Pegmatite Special Major Elements Fusion ICP(WRA)/Trace Elements Fusion ICP/MS(WRA4B2)

Code 8-Li (Sodium Peroxide Fusion) Sodium Peroxide Fusion

REPORT **A16-07621**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Total includes all elements in % oxide to the left of total.

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written in a cursive style with some loops and is positioned above a horizontal line.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
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TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
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Results

Activation Laboratories Ltd.

Report: A16-07621

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	0.01	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
881051	78.40	13.60	0.59	0.048	0.07	0.17	5.13	1.57	0.008	0.08	0.94	100.6	< 1	192	9	20	< 1	< 20	< 10	< 0.01	34	4	< 5
881052	79.27	13.26	0.49	0.020	0.04	0.13	4.28	1.60	0.005	0.06	0.96	100.1	< 1	275	< 5	40	< 1	< 20	< 10	< 0.01	34	3	< 5
881053	74.39	16.82	0.73	0.094	0.04	0.28	4.42	1.47	0.002	0.19	0.53	98.97	< 1	268	< 5	30	< 1	< 20	< 10	69.0	41	4	< 5
881054	74.77	16.36	0.66	0.195	0.05	0.21	5.16	1.26	0.004	0.12	0.67	99.46	< 1	184	< 5	40	< 1	< 20	< 10	66.0	42	5	< 5
881055	75.11	15.25	0.40	0.007	0.03	0.14	6.46	1.22	0.001	0.07	0.77	99.45	< 1	150	< 5	30	< 1	< 20	< 10	< 0.01	36	4	< 5
881056	73.74	16.25	0.54	0.020	0.02	0.14	5.87	2.14	0.002	0.08	1.03	99.83	< 1	113	< 5	< 20	< 1	< 20	< 10	< 0.01	51	5	< 5
881057	75.44	16.84	0.86	0.067	0.10	0.16	3.13	1.91	0.001	0.14	0.68	99.34	< 1	151	< 5	30	< 1	< 20	< 10	46.0	48	4	< 5
881058	75.52	16.84	0.87	0.185	0.04	0.29	3.09	1.05	0.002	0.15	0.64	98.67	< 1	154	< 5	30	< 1	< 20	< 10	97.0	50	5	< 5
881059	71.31	18.43	0.84	0.065	0.21	0.31	3.87	4.08	0.001	0.21	0.97	100.3	< 1	170	< 5	30	1	< 20	< 10	< 0.01	47	4	< 5
881060	73.55	16.70	0.50	0.019	0.04	0.31	6.55	1.40	0.003	0.19	0.82	100.1	< 1	146	< 5	30	< 1	< 20	< 10	< 0.01	39	4	< 5
881001	78.79	15.60	0.85	0.237	0.06	0.19	1.97	0.73	0.009	0.08	0.46	98.98	< 1	152	< 5	40	< 1	< 20	< 10	130	47	5	< 5
881002	76.56	16.18	0.76	0.194	0.07	0.26	3.28	0.74	0.008	0.07	0.56	98.68	< 1	159	< 5	30	< 1	< 20	< 10	131	44	5	< 5
881003	77.42	16.75	0.86	0.097	0.03	0.09	1.52	1.24	0.004	0.09	0.77	98.87	< 1	22	< 5	30	< 1	< 20	< 10	44.0	54	5	< 5
881004	75.91	15.82	0.63	0.101	0.03	0.27	4.87	1.43	0.002	0.27	0.49	99.83	< 1	96	< 5	30	< 1	< 20	< 10	30.0	34	5	< 5
881005	73.86	15.57	0.67	0.069	0.13	0.41	4.37	3.13	0.001	0.19	0.73	99.13	< 1	134	< 5	30	< 1	< 20	< 10	44.0	35	4	< 5
881006	76.67	16.78	0.84	0.085	0.03	0.22	2.37	0.98	0.003	0.10	0.65	98.72	< 1	129	< 5	30	< 1	< 20	< 10	79.0	46	4	< 5
881007	74.91	16.62	0.89	0.054	0.28	0.22	3.82	2.69	0.002	0.15	1.01	100.6	< 1	187	< 5	30	< 1	< 20	< 10	< 0.01	39	4	< 5
881008	76.06	15.69	0.71	0.074	0.03	0.29	3.63	1.54	0.002	0.28	0.49	98.79	< 1	191	< 5	40	< 1	< 20	< 10	63.0	40	5	< 5
881009	74.39	15.98	0.69	0.076	0.06	0.12	4.09	2.36	0.002	0.12	0.63	98.51	< 1	116	< 5	30	< 1	< 20	< 10	< 0.01	42	4	< 5
630261	75.54	16.28	0.69	0.107	0.05	0.20	2.99	2.47	0.002	0.18	0.46	98.96	< 1	147	< 5	30	< 1	< 20	< 10	149	41	6	< 5
630262	76.13	16.22	0.78	0.155	0.09	0.28	2.45	2.48	0.005	0.20	0.54	99.33	< 1	159	< 5	60	< 1	< 20	< 10	175	44	6	< 5
630263	77.06	15.94	0.85	0.088	0.09	0.21	2.16	2.36	0.008	0.08	0.68	99.53	< 1	123	7	20	< 1	< 20	< 10	57.0	46	4	< 5
630264	76.28	15.78	0.63	0.070	0.06	0.15	3.33	2.38	0.006	0.05	0.51	99.26	< 1	277	< 5	30	< 1	< 20	< 10	< 0.01	38	4	< 5
630265	76.69	15.83	0.66	0.176	0.02	0.26	4.33	0.98	0.001	0.16	0.61	99.72	< 1	194	< 5	30	< 1	< 20	< 10	63.0	38	4	< 5
630266	74.19	16.14	0.46	0.053	0.08	0.41	7.01	1.30	0.004	0.22	0.73	100.6	< 1	143	< 5	20	2	< 20	< 10	< 0.01	31	3	< 5
630267	73.15	16.07	0.53	0.033	0.15	0.87	6.93	1.31	0.013	0.55	0.75	100.3	< 1	196	< 5	30	1	< 20	< 10	< 0.01	31	4	< 5
630268	73.90	17.47	0.71	0.055	0.10	0.21	4.34	2.26	0.002	0.16	0.87	100.1	< 1	151	< 5	30	< 1	< 20	< 10	37.0	43	5	< 5
630269	73.96	16.65	0.54	0.051	0.04	0.18	6.20	1.74	0.002	0.07	1.02	100.4	< 1	149	< 5	30	< 1	< 20	< 10	< 0.01	34	3	< 5
630270	74.21	15.13	0.45	0.045	0.03	0.18	5.54	3.19	0.001	0.12	0.81	99.69	< 1	150	< 5	20	< 1	< 20	< 10	< 0.01	29	4	< 5
630271	73.04	16.78	0.63	0.025	0.10	0.43	5.88	2.09	0.019	0.25	1.09	100.3	< 1	65	5	30	< 1	< 20	10	< 0.01	41	4	< 5
630272	78.33	14.13	0.58	0.018	0.11	0.18	4.11	2.02	0.004	0.08	1.14	100.7	< 1	143	< 5	30	< 1	< 20	< 10	< 0.01	37	4	< 5
630273	73.82	16.20	0.60	0.074	0.05	0.39	6.93	1.39	0.002	0.15	0.82	100.4	< 1	101	< 5	30	1	< 20	< 10	< 0.01	33	3	< 5

Results

Activation Laboratories Ltd.

Report: A16-07621

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2
881051	431	39	5	26	54	< 2	< 0.5	< 0.2	58	< 0.5	34.2	45	1.4	2.8	133	< 1	3.5	9	2.3	2.0	< 0.01	0.02	
881052	487	42	2	33	57	< 2	< 0.5	< 0.2	56	< 0.5	40.7	33	< 0.4	3.9	83.3	2	2.5	8	3.1	2.7	< 0.01	0.02	
881053	504	24	< 2	9	30	< 2	< 0.5	< 0.2	122	< 0.5	34.8	41	0.7	1.2	29.1	< 1	3.2	11	1.5	3.0	0.79	1.71	
881054	605	22	< 2	21	58	< 2	< 0.5	< 0.2	119	< 0.5	46.7	41	1.7	3.4	152	1	3.8	10	3.5	4.5	0.48	1.04	
881055	403	40	< 2	17	48	< 2	< 0.5	< 0.2	59	< 0.5	25.1	36	< 0.4	1.4	64.6	2	2.3	9	1.1	2.7	< 0.01	< 0.01	
881056	608	15	3	33	55	< 2	< 0.5	< 0.2	101	< 0.5	48.6	15	2.3	3.7	70.5	1	3.4	10	2.8	2.6	< 0.01	0.01	
881057	650	23	< 2	19	48	< 2	< 0.5	< 0.2	82	< 0.5	55.7	71	0.6	1.9	49.4	< 1	4.2	9	1.8	3.4	1.03	2.22	
881058	394	31	< 2	22	51	< 2	< 0.5	< 0.2	106	< 0.5	43.9	46	5.3	2.2	40.5	1	2.5	12	2.9	4.3	1.09	2.35	
881059	1010	132	< 2	21	59	< 2	< 0.5	< 0.2	114	< 0.5	78.3	798	1.5	2.4	62.9	1	6.2	13	2.7	4.9	0.55	1.19	
881060	481	37	< 2	19	65	< 2	< 0.5	< 0.2	74	< 0.5	41.1	46	0.5	2.2	62.5	2	3.3	9	2.2	3.8	0.15	0.32	
881001	288	10	4	19	84	< 2	< 0.5	< 0.2	16	< 0.5	11.9	19	0.5	1.3	64.5	1	1.9	10	4.0	3.1	1.31	2.83	
881002	337	12	< 2	15	47	< 2	< 0.5	< 0.2	25	< 0.5	17.8	18	0.6	1.6	91.0	< 1	2.2	8	2.6	2.5	1.13	2.42	
881003	908	17	< 2	18	18	< 2	< 0.5	< 0.2	72	< 0.5	98.2	18	< 0.4	3.7	14.6	< 1	5.4	< 5	2.3	3.7	1.34	2.87	
881004	878	20	< 2	13	21	< 2	< 0.5	< 0.2	35	< 0.5	106	13	< 0.4	1.8	31.2	< 1	7.7	7	1.8	3.6	0.61	1.32	
881005	872	42	< 2	6	38	< 2	< 0.5	< 0.2	59	< 0.5	46.2	120	2.0	0.4	24.3	< 1	6.3	16	1.3	5.1	0.35	0.76	
881006	379	25	< 2	8	24	< 2	< 0.5	< 0.2	87	< 0.5	31.0	17	1.0	1.5	45.4	< 1	2.6	11	3.3	5.9	1.31	2.81	
881007	714	50	2	11	27	< 2	< 0.5	< 0.2	91	< 0.5	61.6	306	0.8	1.4	33.9	< 1	4.6	11	2.1	2.2	0.53	1.14	
881008	551	23	< 2	11	71	< 2	< 0.5	< 0.2	103	< 0.5	34.0	32	0.8	1.2	57.2	1	4.0	15	3.6	6.9	0.87	1.86	
881009	821	93	< 2	13	69	< 2	< 0.5	< 0.2	98	< 0.5	90.5	210	0.9	1.4	101	1	5.5	16	4.8	3.8	0.64	1.37	
630261	1090	28	< 2	14	38	< 2	< 0.5	< 0.2	59	< 0.5	74.2	55	5.7	1.4	27.4	< 1	7.4	7	1.9	4.3	0.93	2.01	
630262	954	39	< 2	27	96	< 2	< 0.5	< 0.2	69	< 0.5	74.5	161	14.6	2.6	66.4	< 1	6.4	11	2.9	5.1	1.04	2.25	
630263	832	32	2	8	36	< 2	< 0.5	< 0.2	25	0.7	39.9	43	0.9	< 0.2	25.3	< 1	6.2	9	0.9	0.8	1.09	2.35	
630264	812	29	< 2	4	45	< 2	< 0.5	< 0.2	17	< 0.5	45.5	34	0.5	< 0.2	32.7	1	6.9	10	1.0	1.6	0.71	1.53	
630265	445	19	< 2	11	43	< 2	< 0.5	< 0.2	67	< 0.5	34.6	12	< 0.4	1.1	38.8	< 1	3.1	9	1.7	2.9	0.70	1.50	
630266	421	77	< 2	23	53	< 2	< 0.5	< 0.2	45	< 0.5	30.5	99	< 0.4	3.0	128	2	2.5	8	2.3	3.7	< 0.01	0.02	
630267	457	89	2	13	32	< 2	< 0.5	< 0.2	52	< 0.5	37.1	108	< 0.4	2.0	100	1	2.8	7	2.1	2.1	0.01	0.03	
630268	955	39	< 2	19	59	< 2	< 0.5	< 0.2	117	< 0.5	75.3	108	0.8	3.2	183	< 1	6.4	14	2.6	2.7	0.72	1.54	
630269	423	25	< 2	14	47	< 2	< 0.5	< 0.2	58	< 0.5	24.7	34	< 0.4	1.6	35.3	2	2.9	10	2.1	2.2	< 0.01	0.02	
630270	834	37	2	12	34	< 2	< 0.5	< 0.2	41	< 0.5	41.8	41	< 0.4	1.3	60.8	1	4.8	12	1.6	2.3	< 0.01	0.02	
630271	1120	56	3	25	62	< 2	< 0.5	< 0.2	126	< 0.5	74.6	119	< 0.4	3.3	163	< 1	6.8	10	2.2	4.6	< 0.01	< 0.01	
630272	606	34	< 2	24	53	< 2	< 0.5	< 0.2	82	< 0.5	31.7	47	< 0.4	3.0	110	2	4.1	7	2.4	4.8	< 0.01	0.02	
630273	400	37	2	21	37	< 2	< 0.5	< 0.2	62	< 0.5	27.5	76	< 0.4	2.0	56.2	2	2.6	8	1.2	3.2	< 0.01	< 0.01	

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	0.01	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
NIST 694 Meas	11.40	1.88	0.73	0.013	0.35	43.10	0.89	0.55	0.117	30.23					1601								
NIST 694 Cert	11.2	1.80	0.790	0.0116	0.330	43.6	0.860	0.510	0.110	30.2					1740								
DNC-1 Meas																	280	56	240	100	73.0	15	
DNC-1 Cert																	270	57	247	100		15	
GBW 07113 Meas	72.52	13.12	3.21	0.141	0.15	0.60	2.48	5.41	0.288	0.04			5	4	5								
GBW 07113 Cert	72.8	13.0	3.21	0.140	0.160	0.590	2.57	5.43	0.300	0.0500			5.00	4.00	5.00								
LKSD-3 Meas																90	30	50	30	148			26
LKSD-3 Cert																87.0	30.0	47.0	35.0	0.0152			27.0
TDB-1 Meas																250		100	330	155			
TDB-1 Cert																251		92	323				
W-2a Meas	52.52	15.48	10.97	0.168	6.33	11.20	2.24	0.62	1.079	0.13			36	< 1	275	90	43	70	110	75.0	18	1	< 5
W-2a Cert	52.4	15.4	10.7	0.163	6.37	10.9	2.14	0.626	1.06	0.130			36.0	1.30	262	92.0	43.0	70.0	110	0.00800	17.0	1.00	1.20
SY-4 Meas	49.96	20.79	6.16	0.108	0.51	8.16	7.02	1.67	0.293	0.12			1	3	6								
SY-4 Cert	49.9	20.69	6.21	0.108	0.54	8.05	7.10	1.66	0.287	0.131			1.1	2.6	8.0								
CTA-AC-1 Meas																				35.8			
CTA-AC-1 Cert																							
BIR-1a Meas	47.04	18.26	10.01	0.149	10.02	11.63	1.90	0.22	0.476	0.07			32	< 1	153	410	50	180	120	76.0	17		
BIR-1a Cert	47.96	15.50	11.30	0.175	9.700	13.30	1.82	0.030	0.96	0.021			44	0.58	310	370	52	170	125		16		
NCS DC86312 Meas																							
NCS DC86312 Cert																							
ZW-C Meas																							
ZW-C Cert																							
NCS DC70009 (GBW07241) Meas																	4		970	103	18	10	65
NCS DC70009 (GBW07241) Cert																	3.7		960		16.5	11.2	69.9
OREAS 100a (Fusion) Meas																	17		170				
OREAS 100a (Fusion) Cert																	18.1		169				
OREAS 101a (Fusion) Meas																	48		440				
OREAS 101a (Fusion) Cert																	48.8		434				
OREAS 101b (Fusion) Meas																	45		420				
OREAS 101b (Fusion) Cert																	47		416				
JR-1 Meas																		< 20		32.3	17	2	16
JR-1 Cert																		1.67			16.1	1.88	16.3
NCS DC86303 Meas																							
NCS DC86303 Cert																							
NCS DC86303 Meas																							
NCS DC86303 Cert																							
NCS DC86314 Meas																							
NCS DC86314 Cert																							
NCS DC86314 Meas																							
NCS DC86314 Cert																							
Lithium Tetraborate FX-LT 100																							

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	0.01	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
lot#220610B Meas																							
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							
881060 Orig																							
881060 Dup																							
881005 Orig	73.41	15.55	0.66	0.068	0.13	0.41	4.33	3.10	0.001	0.20	0.73	98.59	< 1	133	< 5	30	< 1	< 20	< 10	41.0	35	3	< 5
881005 Dup	74.31	15.60	0.68	0.070	0.13	0.42	4.40	3.16	0.001	0.19	0.73	99.68	< 1	136	< 5	30	< 1	< 20	< 10	47.0	35	4	< 5
630261 Orig																							
630261 Dup																							
630271 Orig																							
630271 Dup																							
630273 Orig	74.23	16.10	0.60	0.076	0.05	0.39	6.93	1.39	0.002	0.15	0.82	100.7	< 1	101	< 5	30	1	< 20	< 10	< 0.01	33	3	< 5
630273 Dup	73.40	16.30	0.60	0.073	0.05	0.39	6.92	1.39	0.002	0.16	0.82	100.1	< 1	101	< 5	30	1	< 20	< 10	< 0.01	33	3	< 5
Method Blank																< 20	< 1	< 20	< 10	< 0.01	< 1	< 1	< 5
Method Blank																							
Method Blank																							

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
NIST 694 Meas																						
NIST 694 Cert																						
DNC-1 Meas										1.0								7				
DNC-1 Cert										0.96								6.3				
GBW 07113 Meas		41	46	406								500										
GBW 07113 Cert		43.0	43.0	403								506										
LKSD-3 Meas	73					< 2	3.0		2	1.2	2.4				0.6				10.3	4.4		
LKSD-3 Cert	78.0					2.00	2.70		3.00	1.30	2.30				0.700				11.4	4.60		
TDB-1 Meas	21																			2.6		
TDB-1 Cert	23																			2.7		
W-2a Meas	20	197	20	90		< 2				0.7	0.9	175	< 0.4		0.5	< 1	< 0.1	7	1.9	0.5		
W-2a Cert	21.0	190	24.0	94.0		0.600				0.790	0.990	182	0.0300		0.500	0.300	0.200	9.30	2.40	0.530		
SY-4 Meas		1207	120	518								347										
SY-4 Cert		1191	119	517								340										
CTA-AC-1 Meas																					4.2	
CTA-AC-1 Cert															2.5						4.4	
BIR-1a Meas		143	16	34								106		0.6					< 5			
BIR-1a Cert		110	16	18								6		0.60					3			
NCS DC86312 Meas																					25.7	
NCS DC86312 Cert																					23.6	
ZW-C Meas	8880				199							272			83.4	335	33.8					
ZW-C Cert	8500				198							260			82	320	34					
NCS DC70009 (GBW07241) Meas	510						2.0	1.0	1620			42.1				2100	1.9			29.2		
NCS DC70009 (GBW07241) Cert	500						1.8	1.3	1701			41				2200	1.8			28.3		
OREAS 100a (Fusion) Meas						24														52.0	140	
OREAS 100a (Fusion) Cert						24.1														51.6	135	
OREAS 101a (Fusion) Meas						20														35.9	438	
OREAS 101a (Fusion) Cert						21.9														36.6	422	
OREAS 101b (Fusion) Meas						20														35.8	388	
OREAS 101b (Fusion) Cert						20.9														37.1	396	
JR-1 Meas	251				15	3		< 0.2	3	1.1	20.4		0.5	4.2	2.0	2	1.4	20	26.5	8.8		
JR-1 Cert	257				15.2	3.25		0.028	2.86	1.19	20.8		0.56	4.51	1.86	1.59	1.56	19.3	26.7	8.88		
NCS DC86303 Meas																					0.22	0.47
NCS DC86303 Cert																					0.21	0.460
NCS DC86303 Meas																					0.21	0.46
NCS DC86303 Cert																					0.21	0.460
NCS DC86314 Meas																					1.82	3.92
NCS DC86314 Cert																					1.81	3.89
NCS DC86314 Meas																					1.78	3.82
NCS DC86314 Cert																					1.81	3.89
Lithium Tetraborate FX-LT 100																					8.44	

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	
lot#220610B Meas																							
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.15	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.04	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.38	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8	
881060 Orig																						0.15	0.33
881060 Dup																						0.15	0.32
881005 Orig	869	42	< 2	6	36	< 2	< 0.5	< 0.2	60	< 0.5	45.7	119	1.9	0.4	23.2	< 1	6.2	16	1.4	5.1			
881005 Dup	874	43	< 2	7	39	< 2	< 0.5	< 0.2	57	< 0.5	46.6	121	2.1	0.5	25.4	1	6.3	16	1.3	5.0			
630261 Orig																						0.93	2.01
630261 Dup																						0.94	2.02
630271 Orig																						< 0.01	< 0.01
630271 Dup																						< 0.01	< 0.01
630273 Orig	399	37	3	22	37	< 2	< 0.5	< 0.2	63	< 0.5	27.5	76	< 0.4	1.8	56.6	2	2.7	8	1.2	3.1			
630273 Dup	400	37	2	20	36	< 2	< 0.5	< 0.2	61	< 0.5	27.5	76	< 0.4	2.2	55.8	2	2.4	8	1.2	3.2			
Method Blank	< 2				< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5		< 0.4	< 0.2	< 0.1	< 1	< 0.1	< 5	< 0.1	< 0.1			
Method Blank																						< 0.01	< 0.01
Method Blank																						< 0.01	< 0.01

Certificates of Analysis - Channel Samples



Rock Tech Lithium Inc.
789 West Pender Street
Suite 1200
Vancouver BC V6C 1H6
Canada

ATTN: Julie Selway

Date Submitted: 23-Aug-16
Invoice No.: A16-08492 (i)
Invoice Date: 04-Oct-16
Your Reference: Georgia Lake Lithium

CERTIFICATE OF ANALYSIS

11 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 4Litho-Pegmatite Special Major Elements Fusion ICP(WRA)/Trace Elements Fusion ICP/MS(WRA4B2)

Code 8-Li (Sodium Peroxide Fusion) Sodium Peroxide Fusion

Code Specific Gravity Pulp

REPORT **A16-08492 (i)**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Total includes all elements in % oxide to the left of total.

CERTIFIED BY:

A handwritten signature in black ink, appearing to read "Emmanuel Eseme". The signature is stylized and written over a horizontal line.

Emmanuel Eseme, Ph.D.
Quality Control

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Results

Activation Laboratories Ltd.

Report: A16-08492

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
881251	63.11	15.81	6.61	0.110	3.46	3.17	3.22	2.40	0.593	0.14	1.16	99.79	16	3	112	270	23	90	70	110	19	2	< 5
881252	63.08	16.30	5.89	0.111	3.10	1.93	4.14	2.89	0.588	0.21	1.29	99.53	17	16	118	210	21	80	< 10	60	20	2	< 5
881253	73.43	15.75	0.84	0.068	0.06	0.45	5.27	2.43	0.003	0.29	0.67	99.26	< 1	94	< 5	< 20	< 1	< 20	< 10	< 30	32	4	< 5
881254	73.43	15.51	0.92	0.067	0.08	0.34	4.38	3.73	0.002	0.24	0.84	99.54	< 1	85	< 5	< 20	1	< 20	< 10	< 30	32	3	< 5
881255	73.92	16.81	0.96	0.058	0.08	0.46	5.14	2.20	0.003	0.28	0.57	100.5	< 1	161	< 5	< 20	2	< 20	< 10	< 30	32	4	< 5
881256	72.97	15.87	0.95	0.072	0.10	0.47	4.97	2.29	0.009	0.30	0.56	98.56	< 1	110	< 5	< 20	2	< 20	< 10	< 30	31	4	< 5
881257	63.92	15.04	6.55	0.159	3.13	3.19	2.85	2.26	0.544	0.14	1.42	99.19	16	5	106	220	22	100	60	80	18	2	< 5
881258	66.26	15.10	4.98	0.145	2.23	2.32	3.93	1.98	0.410	0.19	1.69	99.23	12	16	80	170	16	60	20	40	19	2	< 5
881259	72.03	15.46	1.03	0.110	0.09	0.69	4.53	3.79	0.002	0.40	0.61	98.73	< 1	62	< 5	< 20	< 1	< 20	40	240	30	4	< 5
881260	97.25	0.61	1.92	0.015	0.09	0.13	0.05	0.06	0.025	< 0.01	0.24	100.4	< 1	< 1	7	< 20	1	< 20	< 10	< 30	1	< 1	< 5
881261	74.03	15.67	1.10	0.124	0.07	0.61	3.61	3.19	0.004	0.41	0.62	99.44	< 1	104	< 5	< 20	< 1	< 20	< 10	50	31	4	< 5

Results

Activation Laboratories Ltd.

Report: A16-08492

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	Spec Grav	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-	
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01	
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2	GRAV
881251	185	428	10	121	4	< 2	0.7	< 0.2	3	< 0.5	26.7	609	< 0.4	2.8	1.1	< 1	1.6	13	6.4	2.0	0.07	0.16	2.80	
881252	433	327	9	111	5	< 2	0.5	< 0.2	18	< 0.5	66.7	589	< 0.4	2.7	2.6	1	3.1	11	5.7	2.4	0.09	0.19		
881253	699	32	< 2	21	15	< 2	< 0.5	< 0.2	52	< 0.5	30.1	77	0.9	1.8	22.1	< 1	3.7	9	1.1	4.2	0.13	0.27		
881254	971	30	< 2	32	9	< 2	< 0.5	< 0.2	55	< 0.5	33.1	94	1.9	3.1	13.4	< 1	5.1	10	1.6	4.1	0.12	0.25		
881255	610	49	< 2	28	11	< 2	< 0.5	< 0.2	43	< 0.5	22.8	128	1.3	2.9	18.3	< 1	3.5	10	1.8	3.1	0.38	0.81		
881256	637	44	< 2	22	12	< 2	< 0.5	< 0.2	49	< 0.5	25.4	135	1.1	1.8	23.6	2	3.4	8	1.3	4.5	0.27	0.59		
881257	269	327	10	113	3	< 2	< 0.5	< 0.2	12	< 0.5	65.1	590	0.5	2.7	0.7	16	2.2	9	5.8	1.8	0.12	0.25		
881258	316	271	8	92	3	< 2	< 0.5	< 0.2	16	< 0.5	56.9	423	< 0.4	2.2	1.2	4	2.0	6	4.9	2.0	0.12	0.25		
881259	993	69	< 2	24	13	< 2	< 0.5	< 0.2	41	< 0.5	39.3	213	6.4	1.9	26.3	< 1	5.1	21	1.8	11.9	0.20	0.44		
881260	< 2	11	< 2	20	< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	190	< 0.4	0.4	< 0.1	< 1	0.6	< 5	0.3	0.2	< 0.01	< 0.01		
881261	994	80	< 2	22	21	< 2	< 0.5	< 0.2	57	< 0.5	50.3	127	2.1	2.0	49.7	< 1	5.6	13	1.3	5.8	0.51	1.11		

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
NIST 694 Meas	11.13	1.87	0.75	0.010	0.33	42.54	0.86	0.54	0.120	30.24					1609								
NIST 694 Cert	11.2	1.80	0.790	0.0116	0.330	43.6	0.860	0.510	0.110	30.2					1740								
DNC-1 Meas	47.06	18.41	9.75	0.150	9.95	11.51	1.86	0.22	0.480	0.06			31		146	290	52	270	100	70	14		
DNC-1 Cert	47.15	18.34	9.97	0.150	10.13	11.49	1.890	0.234	0.480	0.070			31		148	270	57	247	100	70	15		
GBW 07113 Meas	71.76	12.96	3.17	0.140	0.15	0.60	2.48	5.43	0.280	0.04			5	4	6								
GBW 07113 Cert	72.8	13.0	3.21	0.140	0.160	0.590	2.57	5.43	0.300	0.0500			5.00	4.00	5.00								
LKSD-3 Meas																	28	50	30	140			26
LKSD-3 Cert																	30.0	47.0	35.0	152			27.0
TDB-1 Meas																260		90	350				
TDB-1 Cert																251		92	323				
W-2a Meas	52.92	15.21	10.80	0.170	6.21	11.18	2.18	0.61	1.090	0.12			36	< 1	263	100	45	80	120	80	18	2	< 5
W-2a Cert	52.4	15.4	10.7	0.163	6.37	10.9	2.14	0.626	1.06	0.130			36.0	1.30	262	92.0	43.0	70.0	110	80.0	17.0	1.00	1.20
SY-4 Meas	50.17	21.16	6.20	0.110	0.50	8.09	7.01	1.67	0.290	0.12			< 1	3	8								
SY-4 Cert	49.9	20.69	6.21	0.108	0.54	8.05	7.10	1.66	0.287	0.131			1.1	2.6	8.0								
CTA-AC-1 Meas																			60	< 30			
CTA-AC-1 Cert																			54.0	38.0			
BIR-1a Meas	47.95	15.53	11.28	0.170	9.56	13.60	1.82	0.02	0.970	0.01			44	< 1	316	400	49	180	120	80	15		
BIR-1a Cert	47.96	15.50	11.30	0.175	9.700	13.30	1.82	0.030	0.96	0.021			44	0.58	310	370	52	170	125	70	16		
NCS DC86312 Meas																							
NCS DC86312 Cert																							
ZW-C Meas																							
ZW-C Cert																							
NCS DC70009 (GBW07241) Meas																30			910	110	16	10	66
NCS DC70009 (GBW07241) Cert																30			960	100	16.5	11.2	69.9
OREAS 100a (Fusion) Meas																	18		160				
OREAS 100a (Fusion) Cert																	18.1		169				
OREAS 101a (Fusion) Meas																	47		400				
OREAS 101a (Fusion) Cert																	48.8		434				
OREAS 101b (Fusion) Meas																	45		430				
OREAS 101b (Fusion) Cert																	47		416				
JR-1 Meas																		< 20	< 10	< 30	17	2	16
JR-1 Cert																		1.67	2.68	30.6	16.1	1.88	16.3
NCS DC86303 Meas																							
NCS DC86303 Cert																							
NCS DC86304 Meas																							
NCS DC86304 Cert																							
NCS DC86314 Meas																							
NCS DC86314 Cert																							
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							
Lithium Tetraborate																							

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
FX-LT 100 lot#220610B Cert																							
881261 Orig	74.69	15.61	1.15	0.125	0.08	0.62	3.66	3.23	0.004	0.41	0.62	100.2	< 1	105	< 5	< 20	< 1	< 20	< 10	50	31	4	< 5
881261 Dup	73.37	15.72	1.04	0.124	0.07	0.61	3.56	3.16	0.004	0.40	0.62	98.68	< 1	104	< 5	< 20	1	< 20	< 10	50	31	4	< 5
Method Blank																							
Method Blank																< 20	< 1	< 20	< 10		< 1	< 1	< 5
Method Blank																							
Method Blank																				< 30			

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	Spec Grav
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
NIST 694 Meas																							
NIST 694 Cert																							
DNC-1 Meas		141	15	34						1.0		104											
DNC-1 Cert		144.0	18.0	38						0.96		118											
GBW 07113 Meas		40	45	398								499											
GBW 07113 Cert		43.0	43.0	403								506											
LKSD-3 Meas	79					< 2					2.2			4.6	0.6					4.3			
LKSD-3 Cert	78.0					2.00					2.30			4.80	0.700					4.60			
TDB-1 Meas	22																			2.5			
TDB-1 Cert	23																			2.7			
W-2a Meas	22	194	18	85	8	< 2				0.8	0.9	172	< 0.4	2.6	0.5	< 1	< 0.1	9	2.3	0.6			
W-2a Cert	21.0	190	24.0	94.0	7.90	0.600				0.790	0.990	182	0.0300	2.60	0.500	0.300	0.200	9.30	2.40	0.530			
SY-4 Meas		1213	115	530								347											
SY-4 Cert		1191	119	517								340											
CTA-AC-1 Meas														1.2	2.9					21.1	4.1		
CTA-AC-1 Cert														1.13	2.65					21.8	4.4		
BIR-1a Meas		106	13	17								8		0.6					< 5				
BIR-1a Cert		110	16	18								6		0.60					3				
NCS DC86312 Meas																					22.6		
NCS DC86312 Cert																					23.6		
ZW-C Meas					189						261				77.2	326	33.3						
ZW-C Cert					198						260				82	320	34						
NCS DC70009 (GBW07241) Meas	491						1.7	1.0	1780	3.0	38.3					2040	1.9			25.7			
NCS DC70009 (GBW07241) Cert	500						1.8	1.3	1701	3.1	41					2200	1.8			28.3			
OREAS 100a (Fusion) Meas						24															132		
OREAS 100a (Fusion) Cert						24.1															135		
OREAS 101a (Fusion) Meas						21															418		
OREAS 101a (Fusion) Cert						21.9															422		
OREAS 101b (Fusion) Meas						21														37.2	411		
OREAS 101b (Fusion) Cert						20.9														37.1	396		
JR-1 Meas	248				16	3		< 0.2	3	1.1	19.3		0.5	4.3	1.9		1.5	18	26.4	8.7			
JR-1 Cert	257				15.2	3.25		0.028	2.86	1.19	20.8		0.56	4.51	1.86		1.56	19.3	26.7	8.88			
NCS DC86303 Meas																					0.21	0.44	
NCS DC86303 Cert																					0.21	0.460	
NCS DC86304 Meas																					1.08	2.32	
NCS DC86304 Cert																					1.06	2.29	
NCS DC86314 Meas																					1.83	3.93	
NCS DC86314 Cert																					1.81	3.89	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																					8.41		

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	Spec Grav	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-	
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01	
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2	GRAV
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8		
881261 Orig	1010	81	< 2	23	22	< 2	< 0.5	< 0.2	58	< 0.5	51.1	129	2.2	2.0	52.4	< 1	5.3	13	1.3	5.9				
881261 Dup	983	79	< 2	21	20	< 2	< 0.5	< 0.2	56	< 0.5	49.4	125	2.0	2.0	47.0	< 1	5.8	13	1.3	5.6				
Method Blank																						< 0.01	< 0.01	
Method Blank	< 2				< 1	< 2	< 0.5	< 0.2	< 1	< 0.5			< 0.4	< 0.2	< 0.1	< 1	< 0.1	< 5	< 0.1	< 0.1				
Method Blank																								1.00
Method Blank																								



Rock Tech Lithium Inc.
789 West Pender Street
Suite 1200
Vancouver BC V6C 1H6
Canada

ATTN: Julie Selway

Date Submitted: 30-Aug-16
Invoice No.: A16-08779
Invoice Date: 29-Sep-16
Your Reference: Georgia Lake

CERTIFICATE OF ANALYSIS

50 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 4Litho-Pegmatite Special Major Elements Fusion ICP(WRA)/Trace Elements Fusion ICP/MS(WRA4B2)

Code 8-Li (Sodium Peroxide Fusion) Sodium Peroxide Fusion

Code Specific Gravity Pulp

REPORT **A16-08779**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Total includes all elements in % oxide to the left of total.

CERTIFIED BY:

A handwritten signature in black ink, appearing to read "Elitsa Hrischeva".

Elitsa Hrischeva, Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
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Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	0.01	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
881262	73.46	16.30	0.73	0.129	0.07	0.43	3.51	3.51	0.004	0.28	1.00	99.41	< 1	131	< 5	< 20	< 1	< 20	< 10	46.0	34	3	< 5
881263	72.58	16.24	0.64	0.068	0.04	0.46	6.54	1.26	0.002	0.32	0.73	98.88	< 1	140	< 5	< 20	< 1	< 20	< 10	< 0.01	33	4	< 5
881264	73.81	15.40	0.82	0.084	0.05	0.47	4.62	2.25	0.002	0.35	0.86	98.73	< 1	82	< 5	20	< 1	< 20	< 10	< 0.01	32	3	< 5
881265	73.42	16.18	1.01	0.101	0.10	0.49	2.98	3.11	0.002	0.34	1.02	98.77	< 1	114	< 5	< 20	< 1	< 20	< 10	< 0.01	32	3	< 5
881266	72.77	16.38	0.96	0.099	0.06	0.47	2.27	4.39	0.001	0.24	0.87	98.51	< 1	172	< 5	30	< 1	< 20	< 10	< 0.01	32	4	< 5
881267	73.59	16.41	0.96	0.105	0.06	0.57	2.12	3.53	0.001	0.27	0.91	98.53	< 1	173	< 5	30	< 1	< 20	< 10	< 0.01	36	3	< 5
881268	69.70	16.73	0.61	0.067	0.06	0.42	3.63	6.77	0.002	0.31	0.66	98.95	< 1	136	< 5	< 20	< 1	< 20	< 10	< 0.01	26	3	< 5
881269	73.51	16.25	0.56	0.049	0.04	0.48	7.18	1.14	0.001	0.40	0.68	100.3	< 1	140	< 5	< 20	< 1	< 20	10	< 0.01	34	3	< 5
881270	85.01	8.25	1.66	0.048	0.05	0.16	1.79	1.32	0.036	0.08	0.18	98.57	< 1	76	< 5	20	< 1	< 20	30	46.0	21	2	< 5
881271	72.87	16.43	0.48	0.027	0.06	0.51	7.30	1.54	0.001	0.38	0.59	100.2	< 1	108	< 5	< 20	< 1	< 20	< 10	< 0.01	33	4	< 5
881272	72.99	16.02	0.78	0.053	0.15	0.43	4.57	2.79	0.001	0.24	0.89	98.91	< 1	174	< 5	< 20	1	< 20	20	42.0	35	3	< 5
881273	72.75	16.01	0.74	0.030	0.17	0.50	5.94	2.47	0.003	0.31	0.83	99.74	< 1	158	< 5	< 20	1	< 20	< 10	< 0.01	34	3	< 5
881274	72.62	16.07	0.66	0.015	0.16	0.57	7.27	1.28	0.003	0.31	0.62	99.59	< 1	155	< 5	< 20	1	< 20	< 10	< 0.01	31	3	< 5
881275	72.52	16.55	0.65	0.013	0.15	0.47	8.14	0.87	0.003	0.24	0.57	100.2	< 1	142	6	< 20	1	< 20	< 10	< 0.01	33	2	< 5
881276	73.73	16.04	0.75	0.035	0.14	0.51	5.97	2.13	0.003	0.30	0.82	100.4	< 1	123	< 5	< 20	1	< 20	10	< 0.01	34	3	< 5
881277	70.72	16.69	0.95	0.044	0.41	0.57	3.62	4.28	0.001	0.28	1.21	98.78	< 1	231	< 5	< 20	2	< 20	< 10	< 0.01	38	3	< 5
881278	73.37	16.05	0.56	0.020	0.11	0.49	6.43	2.00	0.002	0.29	0.76	100.1	< 1	175	< 5	< 20	< 1	< 20	< 10	< 0.01	33	3	< 5
881279	73.31	15.61	0.92	0.137	0.06	0.61	4.24	3.48	0.002	0.40	0.88	99.65	< 1	69	< 5	< 20	< 1	< 20	10	253	36	3	< 5
881280	97.72	0.71	0.70	0.007	0.03	0.03	0.04	0.06	0.026	< 0.01	0.43	99.74	< 1	< 1	5	< 20	< 1	< 20	< 10	< 0.01	1	< 1	< 5
881281	72.43	16.15	0.65	0.088	0.06	0.44	6.83	1.41	0.001	0.34	0.62	99.02	< 1	98	< 5	< 20	< 1	< 20	< 10	< 0.01	31	3	< 5
881282	62.24	16.20	6.55	0.106	3.46	2.77	3.08	2.60	0.600	0.15	1.31	99.06	16	6	110	260	22	90	60	100	18	1	< 5
881283	59.57	18.04	6.88	0.095	3.76	2.04	3.03	4.07	0.638	0.46	1.65	100.2	20	22	129	200	26	100	40	113	30	2	< 5
881284	70.43	17.56	1.13	0.026	0.61	2.77	5.46	1.60	0.127	0.04	0.84	100.6	2	3	14	< 20	2	< 20	< 10	< 0.01	16	< 1	< 5
881285	70.14	16.86	1.28	0.028	0.68	2.63	5.84	1.29	0.136	0.04	0.83	99.76	2	2	14	< 20	3	< 20	< 10	< 0.01	17	< 1	< 5
881286	70.33	17.18	1.36	0.029	0.72	2.61	5.94	1.29	0.146	0.04	0.82	100.5	2	2	18	< 20	3	< 20	< 10	< 0.01	17	< 1	< 5
881287	61.90	15.83	7.28	0.091	3.71	2.24	3.60	3.21	0.651	0.14	1.20	99.85	18	1	128	240	25	90	40	88.0	19	1	< 5
881288	71.71	16.06	1.08	0.149	0.08	0.47	4.70	3.41	0.004	0.44	0.87	98.96	< 1	55	< 5	< 20	< 1	< 20	< 10	36.0	36	3	< 5
881289	72.91	15.66	1.22	0.090	0.19	0.42	2.69	4.55	0.002	0.34	0.79	98.87	< 1	74	< 5	< 20	1	< 20	< 10	< 0.01	33	3	< 5
881290	73.13	15.53	3.28	0.095	0.07	0.28	3.51	2.44	0.004	0.16	0.08	98.60	< 1	151	< 5	30	1	20	50	97.0	41	3	< 5
881291	73.50	15.51	0.93	0.057	0.19	0.55	4.57	2.92	0.002	0.40	0.95	99.58	< 1	163	< 5	< 20	1	< 20	< 10	36.0	34	3	< 5
881292	71.53	15.43	0.81	0.025	0.21	0.50	4.60	4.46	0.002	0.34	0.90	98.80	< 1	189	5	< 20	1	< 20	< 10	< 0.01	29	3	< 5
881293	72.57	15.65	1.16	0.063	0.30	0.49	4.47	3.33	0.002	0.35	0.99	99.38	< 1	205	6	< 20	2	< 20	< 10	< 0.01	34	4	< 5
881294	72.62	16.07	0.67	0.031	0.09	0.54	6.87	1.43	0.001	0.41	0.64	99.39	< 1	141	< 5	< 20	1	< 20	10	< 0.01	33	3	< 5
881295	73.90	15.80	0.88	0.050	0.07	0.23	3.23	5.10	0.002	0.19	0.82	100.3	< 1	122	< 5	< 20	1	< 20	10	< 0.01	31	3	< 5
881296	74.20	15.29	0.69	0.036	0.06	0.24	4.57	3.46	0.002	0.20	0.59	99.35	< 1	152	< 5	< 20	< 1	< 20	< 10	< 0.01	27	3	< 5
881297	72.26	16.07	0.88	0.045	0.15	0.45	3.80	4.83	0.001	0.36	0.73	99.57	< 1	154	< 5	< 20	1	< 20	20	36.0	29	3	< 5
881298	72.88	16.07	0.88	0.061	0.11	0.32	4.33	3.09	0.002	0.28	0.76	98.78	< 1	166	< 5	< 20	1	< 20	20	34.0	33	4	< 5
881299	72.07	16.00	0.97	0.051	0.15	0.34	4.35	3.50	0.002	0.27	0.78	98.49	< 1	194	< 5	< 20	2	< 20	20	< 0.01	33	3	< 5
881300	98.79	0.57	0.99	0.008	0.02	0.03	0.04	0.05	0.026	< 0.01	0.20	100.7	< 1	< 1	< 5	< 20	< 1	< 20	< 10	< 0.01	< 1	< 1	< 5
881301	73.52	16.17	0.98	0.056	0.19	0.34	4.41	3.43	0.002	0.28	0.89	100.3	< 1	173	< 5	< 20	1	< 20	40	< 0.01	34	3	< 5
881302	74.52	16.01	0.87	0.071	0.09	0.50	5.15	1.99	0.001	0.45	0.72	100.4	< 1	165	< 5	< 20	1	< 20	20	< 0.01	34	3	< 5
881303	72.55	16.18	0.94	0.039	0.15	0.39	4.97	3.87	0.003	0.29	0.74	100.1	< 1	95	< 5	< 20	2	< 20	20	< 0.01	29	3	< 5
881304	73.57	15.53	0.87	0.072	0.08	0.47	4.41	3.52	0.003	0.35	0.70	99.57	< 1	90	< 5	< 20	1	< 20	< 10	< 0.01	33	3	< 5
881305	74.26	15.83	1.30	0.112	0.07	0.55	3.53	2.82	0.002	0.43	0.83	99.73	< 1	96	< 5	< 20	< 1	< 20	< 10	86.0	36	3	< 5
881306	74.73	15.67	1.29	0.101	0.07	0.60	4.01	2.97	0.003	0.45	0.86	100.8	< 1	126	< 5	20	< 1	< 20	< 10	41.0	37	4	< 5
881307	75.14	15.46	0.92	0.091	0.03	0.44	4.23	2.97	0.002	0.36	0.65	100.3	< 1	111	< 5	< 20	< 1	< 20	< 10	36.0	33	4	< 5
881308	73.56	15.73	0.71	0.049	0.03	0.35	4.49	3.40	0.002	0.27	0.54	99.13	< 1	109	< 5	< 20	< 1	< 20	< 10	< 0.01	29	4	< 5

Results

Activation Laboratories Ltd.

Report: A16-08779

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	0.01	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
881309	73.97	15.95	0.82	0.050	0.05	0.46	5.08	2.83	0.002	0.37	0.66	100.2	< 1	124	< 5	< 20	< 1	< 20	30	< 0.01	33	3	< 5
881310	85.82	8.17	1.65	0.048	0.06	0.16	1.75	1.31	0.036	0.07	0.14	99.22	< 1	76	< 5	30	< 1	< 20	30	45.0	20	2	< 5
881317	49.60	14.90	13.73	0.200	7.20	10.04	2.30	0.44	1.168	0.11	0.46	100.2	36	1	289	140	54	140	180	98.0	19	2	< 5

Results

Activation Laboratories Ltd.

Report: A16-08779

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	Spec Grav	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-	
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01	
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2	GRAV
881262	1090	41	<2	22	13	<2	<0.5	<0.2	51	<0.5	44.5	86	1.9	2.5	23.5	<1	6.1	11	1.2	5.7	0.51	1.10		
881263	388	30	<2	18	32	<2	<0.5	<0.2	29	<0.5	18.4	63	0.9	2.4	59.4	12	1.9	7	1.4	5.8	0.18	0.39		
881264	695	30	<2	15	10	<2	<0.5	<0.2	37	<0.5	30.0	60	<0.4	1.6	15.4	1	3.6	7	0.9	3.9	0.41	0.89		
881265	947	41	<2	20	7	<2	<0.5	<0.2	42	<0.5	37.3	110	0.6	1.9	9.9	<1	5.4	18	1.3	7.0	0.73	1.56		
881266	1310	51	<2	18	8	<2	<0.5	<0.2	44	<0.5	51.6	97	0.8	2.1	13.4	<1	7.9	14	1.3	5.7	0.84	1.80		
881267	1060	52	<2	17	6	<2	<0.5	<0.2	45	<0.5	42.1	87	0.7	2.0	10.1	<1	6.3	14	1.5	6.7	0.97	2.08		
881268	1880	55	<2	18	8	<2	<0.5	<0.2	28	<0.5	60.0	119	0.6	2.0	9.5	<1	11.4	15	1.3	8.0	0.24	0.52		
881269	368	22	<2	54	12	<2	<0.5	<0.2	38	<0.5	18.8	41	<0.4	7.0	8.2	1	1.9	5	1.6	4.8	0.05	0.10		
881270	338	23	2	58	17	12	<0.5	<0.2	37	<0.5	18.6	63	<0.4	2.1	13.8	1	2.0	9	2.0	2.6	0.38	0.81		
881271	451	21	<2	28	18	<2	<0.5	<0.2	30	<0.5	22.1	70	1.3	3.8	51.5	1	2.2	13	1.4	2.4	0.03	0.07	2.69	
881272	824	79	<2	25	13	<2	<0.5	<0.2	52	<0.5	32.2	211	1.2	3.4	31.6	<1	4.4	10	1.7	8.0	0.32	0.68		
881273	651	60	<2	19	22	<2	<0.5	<0.2	47	<0.5	28.6	211	<0.4	2.5	47.6	1	3.3	6	1.6	4.6	0.08	0.18		
881274	312	62	2	16	17	<2	<0.5	<0.2	33	<0.5	13.1	169	<0.4	2.1	32.6	<1	1.4	<5	1.4	2.4	0.01	0.03		
881275	236	55	2	13	24	<2	<0.5	<0.2	32	<0.5	11.3	109	<0.4	1.6	45.1	<1	1.1	<5	1.0	2.6	0.01	0.02		
881276	564	64	<2	16	32	<2	<0.5	<0.2	65	<0.5	24.6	190	0.8	2.0	42.9	<1	2.8	7	1.4	3.8	0.09	0.20		
881277	932	107	<2	13	14	<2	<0.5	<0.2	70	<0.5	47.3	415	1.4	1.7	23.4	1	4.6	5	1.1	3.3	0.14	0.29		
881278	407	48	3	27	16	<2	<0.5	<0.2	41	<0.5	14.5	178	<0.4	3.2	24.2	<1	1.8	<5	1.7	2.4	0.03	0.07		
881279	994	71	<2	20	16	<2	<0.5	<0.2	56	<0.5	44.2	92	3.6	2.0	24.0	<1	5.3	16	1.3	8.0	0.24	0.52		
881280	3	9	<2	21	<1	<2	<0.5	<0.2	<1	<0.5	<0.5	190	<0.4	0.6	0.1	<1	0.2	<5	0.3	0.2	<0.01	<0.01		
881281	350	30	<2	21	17	<2	<0.5	<0.2	43	<0.5	15.6	53	1.0	2.3	36.7	<1	1.5	8	1.2	5.8	0.05	0.11	2.69	
881282	259	402	10	124	5	<2	<0.5	<0.2	9	<0.5	78.0	606	<0.4	3.3	1.1	<1	1.5	13	6.3	2.0	0.10	0.21		
881283	721	242	12	104	13	13	<0.5	<0.2	55	<0.5	237	737	3.3	3.0	15.2	3	4.2	11	6.0	1.8	0.08	0.17		
881284	52	563	<2	60	<1	<2	<0.5	<0.2	2	<0.5	6.7	533	<0.4	1.8	0.1	<1	0.3	12	0.2	0.1	0.02	0.03		
881285	43	561	<2	59	<1	<2	<0.5	<0.2	1	<0.5	3.2	530	<0.4	1.8	<0.1	<1	0.2	10	0.3	0.2	0.02	0.04		
881286	41	546	<2	59	<1	<2	<0.5	<0.2	2	0.6	3.4	505	0.8	1.8	0.1	<1	<0.1	10	0.3	0.2	0.02	0.04		
881287	102	301	10	114	5	<2	<0.5	<0.2	1	<0.5	18.0	616	<0.4	3.0	0.5	<1	0.5	12	6.1	1.8	0.07	0.15		
881288	953	31	<2	21	15	<2	<0.5	<0.2	60	<0.5	66.1	62	3.4	1.6	16.6	1	5.1	12	1.5	7.1	0.17	0.36		
881289	1170	44	<2	20	8	<2	<0.5	<0.2	52	<0.5	66.6	278	1.2	2.0	11.3	<1	6.6	10	1.4	4.4	0.54	1.17		
881290	678	43	<2	17	33	24	<0.5	<0.2	74	<0.5	38.0	106	<0.4	1.8	28.1	1	3.9	17	1.7	4.6	0.72	1.54		
881291	811	50	<2	28	15	<2	<0.5	<0.2	54	<0.5	40.0	212	1.4	3.0	25.8	<1	4.4	10	2.0	5.7	0.23	0.50	2.69	
881292	1070	54	<2	23	7	<2	<0.5	<0.2	36	<0.5	38.3	325	<0.4	2.5	7.0	<1	5.9	9	1.5	2.5	0.03	0.07		
881293	786	52	<2	29	11	<2	<0.5	<0.2	45	<0.5	30.3	311	0.6	3.3	12.3	<1	4.4	10	2.1	5.4	0.24	0.52		
881294	365	26	<2	18	15	<2	<0.5	<0.2	33	<0.5	15.1	119	0.7	2.3	29.8	<1	1.9	<5	1.2	2.4	0.06	0.14		
881295	1330	39	<2	19	20	<2	<0.5	<0.2	51	0.7	52.2	143	1.0	2.7	37.1	1	8.1	12	1.5	2.8	0.21	0.46		
881296	970	34	<2	14	21	<2	<0.5	<0.2	36	<0.5	45.9	90	0.9	1.7	41.0	<1	6.1	11	1.0	2.3	0.24	0.52		
881297	1300	45	<2	12	9	<2	<0.5	<0.2	44	<0.5	51.3	172	1.1	1.5	14.4	<1	8.0	12	1.0	3.4	0.28	0.59		
881298	949	40	2	22	12	<2	<0.5	<0.2	48	<0.5	46.9	146	1.3	2.9	20.3	<1	6.0	12	1.5	4.8	0.38	0.82		
881299	1040	45	<2	12	15	<2	<0.5	<0.2	53	<0.5	44.4	174	2.6	1.7	25.2	<1	6.0	10	1.5	3.1	0.32	0.69		
881300	2	7	<2	29	<1	<2	<0.5	<0.2	<1	<0.5	<0.5	183	<0.4	0.7	0.1	<1	0.3	<5	0.3	0.2	<0.01	<0.01		
881301	1020	45	<2	18	28	<2	<0.5	<0.2	56	<0.5	49.2	192	4.0	2.6	71.8	<1	6.0	13	1.4	5.0	0.32	0.68	2.73	
881302	633	32	4	19	24	<2	<0.5	<0.2	49	<0.5	32.5	118	1.3	2.6	44.5	<1	3.6	11	1.6	6.8	0.32	0.69		
881303	1200	46	4	15	19	<2	<0.5	<0.2	38	<0.5	49.9	159	0.7	2.0	28.8	<1	7.4	12	1.0	3.0	0.14	0.31		
881304	1100	45	<2	19	20	<2	<0.5	<0.2	51	<0.5	55.1	125	2.9	2.1	31.9	<1	7.0	11	1.3	3.7	0.34	0.73		
881305	851	38	<2	18	19	<2	<0.5	<0.2	68	<0.5	47.0	106	2.2	2.0	23.6	2	4.7	14	1.3	6.3	0.54	1.17		
881306	889	39	<2	22	21	<2	<0.5	<0.2	69	<0.5	48.1	119	2.1	2.1	29.1	<1	5.0	13	1.3	6.4	0.40	0.87		
881307	1020	33	5	25	25	<2	<0.5	<0.2	58	<0.5	62.1	34	2.1	2.8	42.2	1	6.5	13	1.2	7.6	0.47	1.01		
881308	997	27	<2	19	19	<2	<0.5	<0.2	46	<0.5	53.2	47	1.0	2.1	26.6	<1	6.3	11	1.0	4.6	0.35	0.74		

Results

Activation Laboratories Ltd.

Report: A16-08779

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	Spec Grav	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-	
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01	
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2	GRAV
881309	795	32	< 2	18	18	< 2	< 0.5	< 0.2	50	< 0.5	42.6	60	1.3	1.8	28.9	< 1	5.0	9	1.4	7.7	0.32	0.68		
881310	333	24	4	56	17	12	< 0.5	< 0.2	35	< 0.5	19.5	63	< 0.4	2.0	17.5	2	2.1	7	2.1	2.5	0.37	0.79		
881317	19	154	19	70	4	< 2	< 0.5	< 0.2	< 1	< 0.5	2.1	161	< 0.4	1.8	0.5	< 1	0.2	< 5	1.2	0.4	< 0.01	< 0.01	2.93	

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	0.01	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
NIST 694 Meas	11.13	1.87	0.75	0.010	0.33	42.54	0.86	0.54	0.120	30.24					1609								
NIST 694 Cert	11.2	1.80	0.790	0.0116	0.330	43.6	0.860	0.510	0.110	30.2					1740								
DNC-1 Meas	47.06	18.41	9.75	0.150	9.95	11.51	1.86	0.22	0.480	0.06			31		146	260	55	250	100	75.0			
DNC-1 Cert	47.15	18.34	9.97	0.150	10.13	11.49	1.890	0.234	0.480	0.070			31		148	270	57	247	100				
GBW 07113 Meas	71.76	12.96	3.17	0.140	0.15	0.60	2.48	5.43	0.280	0.04			5	4	6								
GBW 07113 Cert	72.8	13.0	3.21	0.140	0.160	0.590	2.57	5.43	0.300	0.0500			5.00	4.00	5.00								
LKSD-3 Meas																90	29	50	30	147			26
LKSD-3 Cert																87.0	30.0	47.0	35.0	0.0152			27.0
TDB-1 Meas																250		100	330	155			
TDB-1 Cert																251		92	323				
W-2a Meas	52.92	15.21	10.80	0.170	6.21	11.18	2.18	0.61	1.090	0.12			36	< 1	263	90	43	80	110	74.0	17	1	
W-2a Cert	52.4	15.4	10.7	0.163	6.37	10.9	2.14	0.626	1.06	0.130			36.0	1.30	262	92.0	43.0	70.0	110	0.00800	17.0	1.00	
SY-4 Meas	50.17	21.16	6.20	0.110	0.50	8.09	7.01	1.67	0.290	0.12			< 1	3	8								
SY-4 Cert	49.9	20.69	6.21	0.108	0.54	8.05	7.10	1.66	0.287	0.131			1.1	2.6	8.0								
CTA-AC-1 Meas																			60	37.0			
CTA-AC-1 Cert																			54.0				
BIR-1a Meas	47.95	15.53	11.28	0.170	9.56	13.60	1.82	0.02	0.970	0.01			44	< 1	316	370	51	180	130	71.0	16		< 5
BIR-1a Cert	47.96	15.50	11.30	0.175	9.700	13.30	1.82	0.030	0.96	0.021			44	0.58	310	370	52	170	125		16		0.44
NCS DC86312 Meas																							
NCS DC86312 Cert																							
NCS DC70009 (GBW07241) Meas																30			890	101	16	10	67
NCS DC70009 (GBW07241) Cert																30			960		16.5	11.2	69.9
OREAS 100a (Fusion) Meas																	18		170				
OREAS 100a (Fusion) Cert																	18.1		169				
OREAS 101a (Fusion) Meas																	44		410				
OREAS 101a (Fusion) Cert																	48.8		434				
OREAS 101b (Fusion) Meas																	46	< 20	430				
OREAS 101b (Fusion) Cert																	47	9	416				
JR-1 Meas																			< 20	34.0	16	2	16
JR-1 Cert																			1.67		16.1	1.88	16.3
NCS DC86303 Meas																							
NCS DC86303 Cert																							
NCS DC86303 Meas																							
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NCS DC86304 Cert																							
NCS DC86304 Meas																							

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	0.01	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
NCS DC86304 Cert																							
NCS DC86314 Meas																							
NCS DC86314 Cert																							
NCS DC86314 Meas																							
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NCS DC86314 Meas																							
NCS DC86314 Cert																							
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							
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Lithium Tetraborate FX-LT 100 lot#220610B Meas																							
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							
881271 Orig																							
881271 Dup																							
881276 Orig	73.89	16.12	0.75	0.035	0.14	0.51	5.92	2.12	0.003	0.30	0.82	100.6	< 1	123	< 5	20	1	< 20	10	< 0.01	34	3	< 5
881276 Dup	73.58	15.96	0.74	0.035	0.14	0.51	6.01	2.15	0.003	0.30	0.82	100.2	< 1	123	< 5	< 20	1	< 20	10	< 0.01	33	3	< 5
881281 Orig																							
881281 Dup																							
881293 Orig	72.33	15.60	1.16	0.062	0.31	0.49	4.45	3.32	0.002	0.36	0.99	99.06	< 1	202	6	< 20	2	< 20	< 10	33.0	34	4	< 5
881293 Dup	72.81	15.70	1.17	0.063	0.30	0.49	4.49	3.35	0.002	0.35	0.99	99.71	< 1	208	6	< 20	2	< 20	< 10	< 0.01	34	3	< 5
881294 Orig																							
881294 Dup																							
881302 Orig																							
881302 Dup																							
881308 Orig	73.44	15.73	0.71	0.049	0.03	0.35	4.48	3.39	0.001	0.27	0.54	99.01	< 1	110	< 5	< 20	< 1	< 20	< 10	< 0.01	29	4	< 5
881308 Dup	73.68	15.72	0.71	0.048	0.03	0.35	4.50	3.40	0.002	0.26	0.54	99.25	< 1	107	< 5	< 20	< 1	< 20	< 10	< 0.01	29	4	< 5
881310 Orig																							
881310 Dup																							
881317 Orig	49.60	14.90	13.73	0.200	7.20	10.04	2.30	0.44	1.168	0.11	0.46	100.2	36	1	289	140	54	140	180	98.0	19	2	< 5
881317 Split PREP DUP	49.46	14.78	13.85	0.202	7.41	10.02	2.30	0.44	1.167	0.17	0.47	100.3	36	1	317	150	55	150	180	134	19	2	< 5
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																< 20	< 1	< 20	< 10	< 0.01	< 1	< 1	< 5
Method Blank																							

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	Spec Grav		
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-		
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01		
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2	GRAV	
NIST 694 Meas																									
NIST 694 Cert																									
DNC-1 Meas		141	15	34						0.9		104						6							
DNC-1 Cert		144.0	18.0	38						0.96		118						6.3							
GBW 07113 Meas		40	45	398								499													
GBW 07113 Cert		43.0	43.0	403								506													
LKSD-3 Meas	75					< 2	2.9		3					4.5	0.6	< 1				4.2					
LKSD-3 Cert	78.0					2.00	2.70		3.00					4.80	0.700	2.00				4.60					
TDB-1 Meas	21																			2.9					
TDB-1 Cert	23																			2.7					
W-2a Meas	20	194	18	85	7	< 2				0.8	0.9	172	< 0.4	2.5	0.4	1	< 0.1								
W-2a Cert	21.0	190	24.0	94.0	7.90	0.600				0.790	0.990	182	0.0300	2.60	0.500	0.300	0.200								
SY-4 Meas		1213	115	530								347													
SY-4 Cert		1191	119	517								340													
CTA-AC-1 Meas															2.7						23.4				
CTA-AC-1 Cert															2.65						21.8				
BIR-1a Meas		106	13	17	< 1							8		0.6					< 5						
BIR-1a Cert		110	16	18	0.6							6		0.60					3						
NCS DC86312 Meas																						24.9			
NCS DC86312 Cert																						23.6			
NCS DC70009 (GBW07241) Meas	485						1.9	1.0	1640	2.9	39.6					2110	1.9				27.7				
NCS DC70009 (GBW07241) Cert	500						1.8	1.3	1701	3.1	41					2200	1.8				28.3				
OREAS 100a (Fusion) Meas						24														51.8	136				
OREAS 100a (Fusion) Cert						24.1														51.6	135				
OREAS 101a (Fusion) Meas						21														35.5	414				
OREAS 101a (Fusion) Cert						21.9														36.6	422				
OREAS 101b (Fusion) Meas						21														37.8	418				
OREAS 101b (Fusion) Cert						20.9														37.1	396				
JR-1 Meas	244				14	3		< 0.2	3		19.1		0.6	4.6	1.8	2	1.4	20	26.3	8.8					
JR-1 Cert	257				15.2	3.25		0.028	2.86		20.8		0.56	4.51	1.86	1.59	1.56	19.3	26.7	8.88					
NCS DC86303 Meas																						0.21	0.46		
NCS DC86303 Cert																						0.21	0.460		
NCS DC86303 Meas																						0.21	0.45		
NCS DC86303 Cert																						0.21	0.460		
NCS DC86303 Meas																						0.22	0.47		
NCS DC86303 Cert																						0.21	0.460		
NCS DC86304 Meas																						1.07	2.31		
NCS DC86304 Cert																						1.06	2.29		
NCS DC86304 Meas																						1.06	2.28		
NCS DC86304 Cert																						1.06	2.29		
NCS DC86304 Meas																						1.08	2.32		

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	Spec Grav
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
NCS DC86304 Cert																						1.06	2.29
NCS DC86314 Meas																						1.79	3.85
NCS DC86314 Cert																						1.81	3.89
NCS DC86314 Meas																						1.80	3.88
NCS DC86314 Cert																						1.81	3.89
NCS DC86314 Meas																						1.72	3.71
NCS DC86314 Cert																						1.81	3.89
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.14	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.00	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						7.87	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8	
881271 Orig																						0.03	0.07
881271 Dup																						0.03	0.07
881276 Orig	561	64	< 2	16	31	< 2	< 0.5	< 0.2	65	< 0.5	24.7	188	0.8	1.9	41.5	< 1	2.8	7	1.2	3.8			
881276 Dup	566	64	< 2	16	33	< 2	< 0.5	< 0.2	65	< 0.5	24.5	192	0.8	2.0	44.3	2	2.8	7	1.6	3.9			
881281 Orig																						0.05	0.11
881281 Dup																						0.05	0.11
881293 Orig	787	52	< 2	29	11	< 2	< 0.5	< 0.2	44	< 0.5	30.3	310	0.7	3.1	12.8	< 1	4.4	10	2.0	5.6			
881293 Dup	784	52	< 2	30	10	< 2	< 0.5	< 0.2	46	< 0.5	30.2	313	0.6	3.4	11.8	< 1	4.3	10	2.2	5.3			
881294 Orig																						0.06	0.14
881294 Dup																						0.06	0.14
881302 Orig																						0.33	0.71
881302 Dup																						0.31	0.68
881308 Orig	1000	28	< 2	19	18	< 2	< 0.5	< 0.2	46	< 0.5	53.2	47	1.1	2.2	26.7	< 1	6.5	11	1.0	4.8			
881308 Dup	993	27	< 2	20	19	< 2	< 0.5	< 0.2	46	< 0.5	53.2	47	0.8	2.0	26.5	< 1	6.2	10	1.0	4.4			
881310 Orig																						0.38	0.81
881310 Dup																						0.36	0.77
881317 Orig	19	154	19	70	4	< 2	< 0.5	< 0.2	< 1	< 0.5	2.1	161	< 0.4	1.8	0.5	< 1	0.2	< 5	1.2	0.4	< 0.01	< 0.01	2.93
881317 Split PREP DUP	17	171	21	75	4	< 2	< 0.5	< 0.2	< 1	< 0.5	2.0	161	< 0.4	2.0	0.4	< 1	0.2	< 5	1.2	2.7	< 0.01	< 0.01	2.93
Method Blank																						< 0.01	< 0.01
Method Blank																						< 0.01	< 0.01
Method Blank																						< 0.01	< 0.01
Method Blank	< 2				< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5		< 0.4	< 0.2	< 0.1	< 1	< 0.1	< 5	< 0.1	< 0.1			
Method Blank																							1.00



Date Submitted: 09-Sep-16
Invoice No.: A16-09189
Invoice Date: 06-Oct-16
Your Reference: Georgia Lake Lithium

Rock Tech Lithium Inc.
789 West Pender Street
Suite 1200
Vancouver BC V6C 1H6
Canada

ATTN: Julie Selway

CERTIFICATE OF ANALYSIS

49 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 4Litho-Pegmatite Special Major Elements Fusion ICP(WRA)/Trace Elements Fusion ICP/MS(WRA4B2)

Code 8-Li (Sodium Peroxide Fusion) Sodium Peroxide Fusion

REPORT **A16-09189**

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Notes:

Total includes all elements in % oxide to the left of total.

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Eseme". The signature is written in a cursive style with some loops and flourishes.

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Date Submitted: 09-Sep-16
Invoice No.: A16-09189
Invoice Date: 06-Oct-16
Your Reference: Georgia Lake Lithium

**Rock Tech Lithium Inc.
789 West Pender Street
Suite 1200
Vancouver BC V6C 1H6
Canada**

ATTN: Julie Selway

CERTIFICATE OF ANALYSIS

49 Rock samples were submitted for analysis.

The following analytical package(s) were requested: Code Specific Gravity - Tbay Pulp

REPORT **A16-09189**

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Notes:

Total includes all elements in % oxide to the left of total.

CERTIFIED BY:



Emmanuel Eseme , Ph.D.
Quality Control

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Results

Activation Laboratories Ltd.

Report: A16-09189

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
881311	73.67	14.96	0.43	0.037	0.04	0.46	5.89	2.32	0.003	0.30	1.10	99.20	< 1	119	6	< 20	< 1	< 20	< 10	< 30	33	4	< 5
881312	75.02	15.28	0.55	0.025	0.06	0.23	4.45	2.73	0.005	0.14	1.67	100.2	< 1	56	6	< 20	< 1	< 20	< 10	< 30	37	3	< 5
881313	78.65	13.13	0.57	0.035	0.03	0.27	3.54	3.00	0.006	0.19	1.48	100.9	< 1	138	< 5	< 20	< 1	< 20	< 10	< 30	32	4	< 5
881314	73.09	15.70	0.69	0.093	0.03	0.38	5.20	2.25	0.002	0.35	1.05	98.82	< 1	138	< 5	< 20	< 1	< 20	< 10	30	34	5	< 5
881315	73.45	15.63	0.62	0.064	0.05	0.44	4.88	3.07	0.004	0.33	1.14	99.69	< 1	142	< 5	20	< 1	< 20	< 10	< 30	34	5	< 5
881316	63.14	15.09	6.24	0.107	3.33	2.46	2.97	2.85	0.593	0.18	1.89	98.86	17	8	124	260	24	90	30	90	20	2	< 5
881318	66.01	15.62	4.51	0.116	2.65	1.12	6.28	0.18	0.554	0.15	2.43	99.63	15	11	111	270	24	70	< 10	< 30	25	3	< 5
881319	74.57	15.48	0.51	0.010	0.16	0.70	7.62	0.69	0.008	0.35	0.74	100.8	1	56	< 5	< 20	2	< 20	< 10	< 30	26	3	< 5
881320	97.15	0.65	1.25	0.011	0.03	0.05	0.06	0.07	0.023	< 0.01	0.48	99.76	< 1	< 1	6	< 20	< 1	< 20	< 10	< 30	1	1	< 5
881321	73.83	14.75	0.53	0.016	0.12	0.75	5.90	3.01	0.002	0.39	0.74	100.0	< 1	55	< 5	< 20	< 1	< 20	< 10	< 30	27	4	< 5
881322	73.44	15.37	0.68	0.022	0.25	0.68	6.57	1.56	0.002	0.31	0.75	99.63	< 1	47	< 5	< 20	4	< 20	< 10	< 30	29	3	< 5
881323	73.46	15.23	0.56	0.021	0.16	0.68	7.58	0.62	0.003	0.34	0.81	99.47	< 1	81	5	< 20	8	< 20	< 10	< 30	28	4	< 5
881324	61.42	16.23	6.32	0.087	3.61	1.94	4.17	2.79	0.624	0.15	1.71	99.06	17	8	125	270	26	90	50	60	20	2	< 5
881325	64.13	14.85	5.96	0.108	3.23	3.37	3.29	2.21	0.544	0.14	1.54	99.37	15	4	113	290	21	70	20	50	18	2	< 5
881326	64.76	14.68	6.18	0.105	2.96	3.45	3.26	2.30	0.579	0.16	1.56	99.99	16	3	112	290	21	80	20	50	19	2	< 5
881327	74.36	14.82	0.72	0.107	0.08	0.47	5.62	2.12	0.003	0.22	1.20	99.72	< 1	125	< 5	< 20	< 1	< 20	< 10	< 30	33	4	< 5
881328	74.91	14.88	0.80	0.144	0.05	0.41	4.61	2.86	0.003	0.24	1.20	100.1	< 1	158	< 5	30	< 1	< 20	< 10	90	30	4	< 5
881329	75.68	14.85	0.81	0.107	0.10	0.59	4.57	2.19	0.002	0.34	1.62	100.9	< 1	120	< 5	< 20	< 1	< 20	< 10	70	34	5	< 5
881330	74.62	15.32	3.17	0.094	0.07	0.29	3.54	2.49	0.004	0.15	0.08	99.85	< 1	156	< 5	30	1	20	50	90	40	4	< 5
881331	77.07	13.61	0.79	0.070	0.09	0.66	3.45	2.95	0.003	0.41	1.42	100.5	< 1	150	< 5	< 20	< 1	< 20	< 10	< 30	34	4	< 5
881332	75.21	14.42	0.72	0.073	0.09	0.70	5.29	2.20	0.001	0.33	1.45	100.5	< 1	200	< 5	< 20	< 1	< 20	< 10	50	31	5	< 5
881333	74.65	14.74	0.93	0.132	0.05	0.70	3.23	3.68	0.001	0.47	1.78	100.4	< 1	241	< 5	< 20	< 1	< 20	< 10	60	35	5	< 5
881334	73.36	15.20	0.89	0.118	0.06	0.60	3.38	4.10	0.001	0.39	1.72	99.80	< 1	127	< 5	< 20	< 1	< 20	< 10	60	33	5	< 5
881335	73.69	15.59	0.75	0.076	0.06	0.53	3.32	4.35	0.001	0.29	1.61	100.3	< 1	131	< 5	< 20	< 1	< 20	< 10	70	30	5	< 5
881336	74.49	15.14	0.72	0.062	0.09	0.59	4.34	3.51	0.001	0.30	1.59	100.8	< 1	134	< 5	30	< 1	< 20	< 10	40	31	5	< 5
881337	71.98	15.07	0.72	0.036	0.08	0.75	5.14	3.02	0.002	0.41	1.37	98.57	< 1	179	< 5	< 20	< 1	< 20	< 10	< 30	29	4	< 5
881338	73.64	15.69	0.52	0.011	0.05	0.65	7.82	0.71	0.003	0.31	0.83	100.3	< 1	214	< 5	< 20	< 1	< 20	20	< 30	30	3	< 5
881339	73.76	15.15	0.85	0.022	0.09	0.49	6.76	0.85	0.003	0.22	1.17	99.38	< 1	225	< 5	< 20	2	< 20	20	< 30	33	4	< 5
881340	96.70	0.75	1.55	0.013	0.03	0.07	0.07	0.08	0.028	< 0.01	0.71	99.98	< 1	< 1	5	< 20	< 1	< 20	< 10	< 30	1	< 1	< 5
881341	74.60	15.03	1.00	0.015	0.13	0.88	7.35	0.51	0.003	0.44	0.91	100.9	< 1	189	< 5	< 20	2	< 20	20	< 30	32	4	< 5
881342	55.46	15.14	9.50	0.276	4.97	6.49	4.66	0.28	0.988	0.18	2.22	100.2	31	45	281	110	34	80	120	230	26	3	< 5
881343	73.63	15.42	0.57	0.014	0.08	0.68	6.99	1.34	0.002	0.31	1.05	100.1	< 1	183	< 5	< 20	< 1	< 20	< 10	< 30	31	4	< 5
881344	73.99	15.57	0.60	0.013	0.07	0.68	7.25	0.85	0.003	0.32	0.93	100.3	< 1	178	< 5	< 20	2	< 20	10	< 30	33	5	< 5
881345	73.80	15.24	0.44	0.008	0.03	0.87	7.95	0.33	0.003	0.41	0.61	99.69	< 1	162	< 5	< 20	< 1	< 20	10	30	30	3	< 5
881346	73.73	15.82	0.39	0.007	0.03	0.81	8.24	0.32	0.002	0.40	0.64	100.4	< 1	181	< 5	< 20	1	< 20	20	< 30	31	4	< 5
881347	73.99	14.80	0.46	0.025	0.05	0.64	7.75	0.51	0.002	0.35	0.76	99.33	< 1	76	< 5	< 20	2	< 20	20	< 30	30	4	< 5
881348	73.42	15.54	0.61	0.012	0.10	0.46	6.95	0.92	0.003	0.22	0.93	99.15	< 1	60	< 5	< 20	1	< 20	10	< 30	31	3	< 5
881349	63.71	16.80	5.04	0.109	2.30	1.10	6.41	0.88	0.420	0.13	2.43	99.33	11	22	89	180	17	50	60	30	25	1	< 5
881350	86.63	7.94	1.63	0.046	0.04	0.16	1.71	1.32	0.034	0.07	0.18	99.76	< 1	74	< 5	30	< 1	< 20	30	50	20	3	< 5
881351	57.36	13.03	7.73	0.132	8.31	5.22	1.30	2.85	0.553	0.26	2.11	98.85	20	4	130	840	35	220	< 10	70	16	2	< 5
881352	74.11	15.42	0.91	0.055	0.07	0.28	5.13	2.60	0.003	0.23	0.76	99.57	< 1	74	< 5	20	2	< 20	10	< 30	34	4	< 5
881353	75.04	15.43	0.49	0.023	0.04	0.29	4.12	3.80	0.002	0.22	1.31	100.8	< 1	97	< 5	< 20	< 1	< 20	< 10	< 30	32	3	< 5
881354	74.42	15.03	0.56	0.054	0.04	0.30	5.77	1.92	0.002	0.24	1.10	99.42	< 1	155	< 5	< 20	< 1	< 20	< 10	< 30	35	5	< 5
881355	72.95	15.07	0.46	0.036	0.03	0.38	6.39	2.36	0.002	0.26	0.95	98.89	< 1	112	< 5	< 20	< 1	< 20	< 10	< 30	34	4	< 5
881356	57.16	12.95	7.76	0.139	8.31	5.34	1.54	2.61	0.561	0.23	2.05	98.65	20	7	129	900	37	220	30	70	19	2	< 5
881357	75.42	14.92	0.56	0.131	0.04	0.21	5.96	1.54	0.003	0.14	1.03	99.95	< 1	43	< 5	< 20	< 1	< 20	< 10	< 30	34	4	< 5
881358	65.52	14.16	5.65	0.082	4.21	4.46	2.90	1.05	0.558	0.16	1.55	100.3	15	2	109	260	19	70	30	70	18	2	< 5

Results

Activation Laboratories Ltd.

Report: A16-09189

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5	
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
881359	72.90	15.78	0.57	0.051	0.07	0.38	6.04	1.65	0.003	0.25	1.09	98.78	< 1	60	< 5	< 20	< 1	< 20	10	< 30	34	3	< 5	
881360	95.99	0.74	1.47	0.013	0.02	0.03	0.06	0.09	0.023	< 0.01	0.49	98.94	< 1	< 1	< 5	< 20	< 1	< 20	< 10	< 30	1	< 1	< 5	

Results

Activation Laboratories Ltd.

Report: A16-09189

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Spec Grav	Li	Li2O	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-	%	%	
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01	
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	GRAV	FUS-Na2O2	FUS-Na2O2
881311	557	15	3	22	15	<2	<0.5	<0.2	43	<0.5	23.8	31	<0.4	2.1	32.0	1	2.9	<5	1.3	2.4		<0.01	<0.01	
881312	600	20	3	22	15	<2	<0.5	<0.2	65	<0.5	27.5	62	<0.4	1.8	18.2	2	2.7	<5	1.6	1.5		<0.01	0.01	
881313	670	21	<2	16	13	<2	<0.5	<0.2	56	<0.5	34.2	45	0.5	1.3	18.3	2	3.4	<5	1.0	1.1		<0.01	0.01	
881314	624	28	<2	18	26	2	<0.5	<0.2	45	<0.5	36.9	55	3.5	2.0	33.3	<1	3.7	11	1.5	5.1		0.42	0.90	
881315	858	31	3	20	19	<2	<0.5	<0.2	54	<0.5	48.2	62	3.2	2.1	33.8	1	5.3	11	1.4	4.9		0.17	0.37	
881316	399	325	12	130	7	<2	<0.5	<0.2	12	<0.5	139	716	<0.4	3.2	4.3	<1	3.0	12	6.9	2.0		0.10	0.22	
881318	27	84	11	118	6	<2	<0.5	<0.2	22	<0.5	1.3	82	<0.4	3.0	0.8	3	0.2	<5	6.7	1.9		0.08	0.17	
881319	108	99	5	19	9	<2	<0.5	<0.2	22	<0.5	3.1	107	<0.4	1.9	10.4	1	0.3	<5	1.6	2.2		<0.01	0.02	
881320	2	9	2	19	<1	<2	<0.5	<0.2	<1	<0.5	<0.5	175	<0.4	0.4	<0.1	<1	<0.1	<5	0.4	0.2		<0.01	<0.01	
881321	545	104	2	19	10	<2	<0.5	<0.2	29	<0.5	13.5	284	<0.4	1.8	12.2	1	2.1	<5	1.5	2.5	2.68	0.01	0.03	
881322	254	99	3	20	20	<2	<0.5	<0.2	31	<0.5	6.5	228	0.8	1.8	38.4	<1	0.8	<5	1.9	4.8		0.02	0.05	
881323	121	71	3	27	14	<2	<0.5	<0.2	23	<0.5	3.6	77	0.6	2.7	25.7	<1	0.3	<5	1.7	2.9		0.01	0.03	
881324	395	308	12	139	7	<2	<0.5	<0.2	14	<0.5	76.9	560	<0.4	3.4	1.4	<1	2.5	7	7.0	2.0		0.09	0.19	
881325	214	364	11	140	5	<2	<0.5	<0.2	6	<0.5	36.9	513	<0.4	3.4	0.6	<1	1.4	9	6.9	2.5		0.08	0.17	
881326	197	360	12	143	5	<2	<0.5	<0.2	5	<0.5	33.8	615	<0.4	3.3	0.6	<1	1.2	9	7.0	2.4		0.08	0.17	
881327	477	55	<2	28	15	<2	<0.5	<0.2	47	<0.5	13.6	118	1.6	2.7	22.8	<1	1.5	9	1.6	5.8		0.24	0.52	
881328	773	54	4	22	18	2	<0.5	<0.2	49	<0.5	27.6	63	2.8	2.1	26.9	<1	3.4	15	1.4	6.5		0.24	0.51	
881329	590	54	<2	26	20	<2	<0.5	<0.2	62	<0.5	18.4	78	1.5	2.5	27.0	<1	2.3	9	1.4	6.1		0.36	0.77	
881330	670	42	<2	20	37	23	<0.5	<0.2	72	<0.5	38.0	109	0.6	1.9	30.6	1	3.9	16	1.9	5.0		0.72	1.54	
881331	715	50	<2	22	18	<2	<0.5	<0.2	63	<0.5	16.9	161	1.7	2.4	23.8	2	3.0	7	2.0	5.5	2.66	0.26	0.55	
881332	507	61	<2	26	9	<2	<0.5	<0.2	49	<0.5	12.2	125	1.8	2.7	10.1	<1	1.6	9	1.4	7.7		0.20	0.44	
881333	1120	58	2	22	21	<2	<0.5	<0.2	73	<0.5	32.2	80	5.3	2.5	21.7	1	4.7	12	1.8	7.8		0.31	0.66	
881334	1230	59	<2	20	16	<2	<0.5	<0.2	61	<0.5	27.7	74	7.4	2.3	17.4	<1	5.3	14	1.6	7.8		0.31	0.67	
881335	1330	67	<2	13	18	<2	<0.5	<0.2	48	<0.5	36.8	98	1.5	1.7	25.9	1	6.6	10	1.2	5.9		0.40	0.86	
881336	956	69	3	16	14	2	<0.5	<0.2	46	<0.5	24.2	115	1.1	2.1	24.2	<1	4.1	5	1.3	4.4		0.33	0.71	
881337	616	60	<2	17	11	<2	<0.5	<0.2	33	<0.5	13.6	210	1.5	1.6	12.2	<1	2.5	11	1.5	5.8		0.13	0.28	
881338	136	53	6	16	18	<2	<0.5	<0.2	25	<0.5	2.3	90	2.3	2.2	38.8	<1	0.4	<5	1.2	5.2		0.02	0.04	
881339	172	46	3	16	31	<2	<0.5	<0.2	44	<0.5	4.4	117	1.2	2.1	65.3	1	0.4	<5	1.4	5.0		0.06	0.12	
881340	3	9	2	19	<1	<2	<0.5	<0.2	<1	<0.5	<0.5	152	<0.4	0.4	<0.1	<1	<0.1	<5	0.4	0.2		<0.01	<0.01	
881341	102	53	4	41	14	<2	<0.5	<0.2	24	<0.5	1.9	84	0.6	2.6	31.3	<1	0.2	<5	1.8	6.5	2.70	0.02	0.05	
881342	26	130	20	65	12	<2	<0.5	<0.2	16	<0.5	2.4	85	2.3	2.5	6.3	2	0.2	<5	1.5	2.3		0.05	0.10	
881343	236	71	<2	16	9	<2	<0.5	<0.2	26	<0.5	4.4	228	1.8	2.2	15.6	<1	0.6	<5	1.8	5.6		0.09	0.19	
881344	167	63	3	18	14	<2	<0.5	<0.2	35	<0.5	4.6	158	1.0	2.4	34.7	<1	0.5	<5	1.8	5.0		0.06	0.14	
881345	40	71	<2	22	10	<2	<0.5	<0.2	19	<0.5	0.8	93	0.8	2.5	22.1	<1	<0.1	<5	1.8	5.3		<0.01	0.02	
881346	38	65	3	24	11	<2	<0.5	<0.2	20	<0.5	0.8	72	0.6	2.7	24.3	<1	<0.1	<5	2.0	5.8		<0.01	0.02	
881347	79	52	3	23	18	<2	<0.5	<0.2	23	<0.5	1.2	139	0.6	2.8	33.4	1	0.1	<5	1.9	4.6		<0.01	0.02	
881348	140	60	4	20	15	<2	<0.5	<0.2	36	<0.5	2.2	265	<0.4	2.1	25.9	1	0.2	<5	1.4	2.8		0.03	0.06	
881349	83	163	12	124	13	<2	<0.5	<0.2	15	<0.5	14.6	221	0.5	3.2	18.7	1	0.4	<5	5.3	3.2		0.06	0.13	
881350	337	23	4	62	19	13	<0.5	<0.2	38	<0.5	19.1	63	<0.4	2.3	14.5	2	1.8	8	2.3	3.1		0.36	0.78	
881351	230	203	14	133	5	<2	<0.5	<0.2	12	<0.5	105	751	<0.4	3.2	0.4	<1	1.7	9	7.4	1.7	2.88	0.10	0.21	
881352	673	23	<2	14	13	<2	<0.5	<0.2	46	<0.5	30.6	57	3.5	1.2	14.5	11	3.8	10	1.1	4.1		0.23	0.49	
881353	842	34	2	22	15	<2	<0.5	<0.2	56	<0.5	33.4	43	3.1	2.4	19.6	1	4.7	10	1.5	3.9		<0.01	0.01	
881354	479	19	<2	19	14	<2	<0.5	<0.2	56	<0.5	23.3	38	7.9	2.0	19.3	<1	2.6	9	1.3	4.6		0.07	0.15	
881355	592	19	<2	21	19	<2	<0.5	<0.2	47	<0.5	23.4	43	1.8	2.2	29.6	1	3.1	10	1.4	3.8		<0.01	<0.01	
881356	216	249	13	144	5	<2	<0.5	<0.2	14	<0.5	127	672	0.8	3.6	0.5	<1	1.6	13	7.6	1.8		0.09	0.19	
881357	476	40	2	23	20	<2	<0.5	<0.2	58	<0.5	23.7	99	3.1	2.2	27.7	1	2.3	16	1.3	5.6		<0.01	<0.01	
881358	100	542	12	123	5	<2	<0.5	<0.2	4	<0.5	58.8	271	<0.4	3.0	0.6	<1	0.8	18	7.0	1.8		0.15	0.32	

Results

Activation Laboratories Ltd.

Report: A16-09189

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Spec Grav	Li	Li2O	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-	%	%	
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01	
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	GRAV	FUS-Na2O2	FUS-Na2O2
881359	502	45	< 2	11	9	< 2	< 0.5	< 0.2	50	< 0.5	21.9	50	8.2	1.0	10.4	2	2.2	11	0.7	2.4		< 0.01	< 0.01	
881360	3	9	3	17	< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	151	< 0.4	0.3	< 0.1	2	0.1	7	0.5	0.2		< 0.01	< 0.01	

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5	
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	
NIST 694 Meas	11.22	1.85	0.74	0.010	0.33	42.62	0.89	0.55	0.120	30.19					1611									
NIST 694 Cert	11.2	1.80	0.790	0.0116	0.330	43.6	0.860	0.510	0.110	30.2				1740										
DNC-1 Meas	47.05	18.82	9.95	0.150	10.02	11.51	1.93	0.23	0.490	0.07			31		152	300	56	270	100	70	16			
DNC-1 Cert	47.15	18.34	9.97	0.150	10.13	11.49	1.890	0.234	0.480	0.070			31		148	270	57	247	100	70	15			
GBW 07113 Meas	71.58	12.72	3.17	0.140	0.14	0.60	2.50	5.41	0.280	0.04			5	4	5									
GBW 07113 Cert	72.8	13.0	3.21	0.140	0.160	0.590	2.57	5.43	0.300	0.0500			5.00	4.00	5.00									
LKSD-3 Meas																90	30	50	30				27	
LKSD-3 Cert																87.0	30.0	47.0	35.0				27.0	
TDB-1 Meas																270		90		170				
TDB-1 Cert																251		92		155				
W-2a Meas	52.50	15.45	10.66	0.170	6.23	11.07	2.22	0.62	1.100	0.13			36	< 1	271	100	45	70	120	80	18	2	< 5	
W-2a Cert	52.4	15.4	10.7	0.163	6.37	10.9	2.14	0.626	1.06	0.130			36.0	1.30	262	92.0	43.0	70.0	110	80.0	17.0	1.00	1.20	
SY-4 Meas	49.76	20.48	6.27	0.110	0.50	8.14	6.90	1.66	0.290	0.14			1	3	7									
SY-4 Cert	49.9	20.69	6.21	0.108	0.54	8.05	7.10	1.66	0.287	0.131			1.1	2.6	8.0									
CTA-AC-1 Meas																								
CTA-AC-1 Cert																								
BIR-1a Meas	47.68	15.64	11.26	0.170	9.52	13.57	1.81	0.02	0.970	0.03			43	< 1	326	390	47	180	120	70	16			
BIR-1a Cert	47.96	15.50	11.30	0.175	9.700	13.30	1.82	0.030	0.96	0.021			44	0.58	310	370	52	170	125	70	16			
NCS DC70009 (GBW07241) Meas																			970	100	17	11	69	
NCS DC70009 (GBW07241) Cert																			960	100	16.5	11.2	69.9	
OREAS 100a (Fusion) Meas																	16		170					
OREAS 100a (Fusion) Cert																	18.1		169					
OREAS 101a (Fusion) Meas																	45		420					
OREAS 101a (Fusion) Cert																	48.8		434					
OREAS 101b (Fusion) Meas																	47		440					
OREAS 101b (Fusion) Cert																	47		416					
JR-1 Meas																			< 20	< 10	30	16	2	15
JR-1 Cert																			1.67	2.68	30.6	16.1	1.88	16.3
USZ 25-2006 Meas																				620				
USZ 25-2006 Cert																				600				
NCS DC86303 Meas																								
NCS DC86303 Cert																								
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Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
NCS DC86304 Cert																							
NCS DC86314 Meas																							
NCS DC86314 Cert																							
NCS DC86314 Meas																							
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NCS DC86314 Meas																							
USZ 42-2006 Meas																					460		
USZ 42-2006 Cert																					469		
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							
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Lithium Tetraborate FX-LT 100 lot#220610B Cert																							
881319 Orig																							
881319 Dup																							
881326 Orig	64.83	14.90	6.15	0.107	2.95	3.44	3.25	2.29	0.585	0.14	1.56	100.2	16	3	111	300	20	80	20	60	19	2	< 5
881326 Dup	64.68	14.47	6.20	0.104	2.96	3.47	3.27	2.32	0.572	0.17	1.56	99.76	16	3	114	290	21	70	20	50	19	2	< 5
881327 Orig																							
881327 Dup																							
881341 Orig																							
881341 Dup																							

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
881343 Orig	73.93	15.15	0.56	0.014	0.08	0.67	6.89	1.32	0.002	0.31	1.05	99.97	< 1	179	< 5	< 20	< 1	< 20	< 10	< 30	31	4	< 5
881343 Dup	73.33	15.69	0.58	0.015	0.08	0.69	7.10	1.36	0.002	0.31	1.05	100.2	< 1	187	< 5	< 20	< 1	< 20	< 10	< 30	31	4	< 5
881349 Orig																							
881349 Dup																							
881351 Orig																							
881351 Dup																							
881355 Orig																							
881355 Dup																							
881358 Orig	65.50	13.97	5.60	0.082	4.21	4.44	2.90	1.05	0.554	0.16	1.55	100.0	15	2	109	260	19	70	30	70	17	2	< 5
881358 Dup	65.54	14.35	5.70	0.082	4.21	4.47	2.90	1.05	0.562	0.16	1.55	100.6	15	2	109	260	19	60	40	60	18	2	< 5
Method Blank																							
Method Blank																< 20	< 1	< 20	< 10		< 1	< 1	< 5
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Spec Grav	Li	Li2O
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-	%	%
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	GRAV	FUS-Na2O2	FUS-Na2O2
NIST 694 Meas																							
NIST 694 Cert																							
DNC-1 Meas		143	15	36						0.9		106						7					
DNC-1 Cert		144.0	18.0	38						0.96		118						6.3					
GBW 07113 Meas		40	45	393								499											
GBW 07113 Cert		43.0	43.0	403								506											
LKSD-3 Meas	75					< 2	2.4				2.4			4.4	0.6				10.9	4.8			
LKSD-3 Cert	78.0					2.00	2.70				2.30			4.80	0.700				11.4	4.60			
TDB-1 Meas	22																			2.8			
TDB-1 Cert	23																			2.7			
W-2a Meas	21	194	18	90		< 2						174	< 0.4	2.4		< 1	< 0.1		2.4				
W-2a Cert	21.0	190	24.0	94.0		0.600						182	0.0300	2.60		0.300	0.200		2.40				
SY-4 Meas		1202	119	529								345											
SY-4 Cert		1191	119	517								340											
CTA-AC-1 Meas																					4.3		
CTA-AC-1 Cert																					4.4		
BIR-1a Meas		107	14	17		< 1						8							< 5				
BIR-1a Cert		110	16	18		0.6						6							3				
NCS DC70009 (GBW07241) Meas	499						1.6	1.5		3.0	42.7					2100				29.6			
NCS DC70009 (GBW07241) Cert	500						1.8	1.3		3.1	41					2200				28.3			
OREAS 100a (Fusion) Meas						23														52.5	142		
OREAS 100a (Fusion) Cert						24.1														51.6	135		
OREAS 101a (Fusion) Meas						20														36.4	436		
OREAS 101a (Fusion) Cert						21.9														36.6	422		
OREAS 101b (Fusion) Meas						21														40.7			
OREAS 101b (Fusion) Cert						20.9														37.1			
JR-1 Meas	254				15	3		< 0.2	3		21.1		0.6	4.1	1.8	2	1.4	20	27.3	9.3			
JR-1 Cert	257				15.2	3.25		0.028	2.86		20.8		0.56	4.51	1.86	1.59	1.56	19.3	26.7	8.88			
USZ 25-2006 Meas																							
USZ 25-2006 Cert																							
NCS DC86303 Meas																						0.20	0.44
NCS DC86303 Cert																						0.21	0.460
NCS DC86303 Meas																						0.21	0.45
NCS DC86303 Cert																						0.21	0.460
NCS DC86303 Meas																						0.21	0.45
NCS DC86303 Cert																						0.21	0.460
NCS DC86304 Meas																						1.04	2.25
NCS DC86304 Cert																						1.06	2.29
NCS DC86304 Meas																						1.04	2.23
NCS DC86304 Cert																						1.06	2.29
NCS DC86304 Meas																						1.05	2.25

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Spec Grav	Li	Li2O	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-	%	%
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01	
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	GRAV	FUS-Na2O2	FUS-Na2O2
NCS DC86304 Cert																							1.06	2.29
NCS DC86314 Meas																							1.72	3.71
NCS DC86314 Cert																							1.81	3.89
NCS DC86314 Meas																							1.68	3.61
NCS DC86314 Cert																							1.81	3.89
NCS DC86314 Meas																							1.71	3.69
NCS DC86314 Cert																							1.81	3.89
USZ 42-2006 Meas																								
USZ 42-2006 Cert																								
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							8.00	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							8	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							8.09	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							8	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							7.84	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							8	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							8.06	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							8	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							7.80	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							8	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							7.81	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							8	
881319 Orig																							< 0.01	0.02
881319 Dup																							0.01	0.02
881326 Orig	195	367	12	141	5	< 2	< 0.5	< 0.2	5	< 0.5	33.9	614	< 0.4	3.3	0.6	< 1	1.2	9	7.0	2.4				
881326 Dup	198	353	12	144	5	< 2	< 0.5	< 0.2	5	< 0.5	33.8	616	< 0.4	3.3	0.6	< 1	1.1	9	7.0	2.4				
881327 Orig																							0.25	0.53
881327 Dup																							0.24	0.52
881341 Orig																							0.02	0.04

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Spec Grav	Li	Li2O	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-	%	%	
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01	
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	GRAV	FUS-Na2O2	FUS-Na2O2
881341 Dup																							0.02	0.05
881343 Orig	237	71	2	17	9	< 2	< 0.5	< 0.2	26	< 0.5	4.4	225	1.8	2.4	14.4	< 1	0.6	< 5	1.7	5.6				
881343 Dup	234	72	< 2	15	9	< 2	< 0.5	< 0.2	25	< 0.5	4.4	230	1.8	2.0	16.8	< 1	0.6	< 5	1.9	5.6				
881349 Orig																							0.06	0.13
881349 Dup																							0.06	0.13
881351 Orig																							2.89	
881351 Dup																							2.87	
881355 Orig																							< 0.01	< 0.01
881355 Dup																							< 0.01	< 0.01
881358 Orig	99	540	12	122	5	< 2	< 0.5	< 0.2	4	< 0.5	59.0	272	< 0.4	3.0	0.7	< 1	0.8	18	6.9	1.8				
881358 Dup	101	544	13	123	5	< 2	< 0.5	< 0.2	4	< 0.5	58.5	269	< 0.4	3.1	0.6	< 1	0.7	18	7.1	1.8				
Method Blank																						< 0.01		
Method Blank	< 2				< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5		< 0.4	< 0.2	< 0.1	< 1	< 0.1	< 5	< 0.1	< 0.1				
Method Blank																							< 0.01	< 0.01
Method Blank																							< 0.01	< 0.01
Method Blank																							< 0.01	< 0.01



Rock Tech Lithium Inc.
789 West Pender Street
Suite 1200
Vancouver BC V6C 1H6
Canada

ATTN: Julie Selway

Date Submitted: 23-Sep-16
Invoice No.: A16-09760
Invoice Date: 20-Oct-16
Your Reference: Georgia Lake Lithium

CERTIFICATE OF ANALYSIS

24 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 4Litho-Pegmatite Special Major Elements Fusion ICP(WRA)/Trace Elements Fusion ICP/MS(WRA4B2)

Code 8-Li (Sodium Peroxide Fusion) Sodium Peroxide Fusion

Code Specific Gravity Pulp

REPORT **A16-09760**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Total includes all elements in % oxide to the left of total.

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written in a cursive style with some loops and is positioned above a horizontal line.

Emmanuel Esemé, Ph.D.
Quality Control

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Results

Activation Laboratories Ltd.

Report: A16-09760

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
881361(L60)	75.01	14.61	1.02	0.074	0.05	0.44	3.81	3.70	0.003	0.34	1.14	100.2	< 1	34	< 5	30	1	< 20	10	< 30	32	3	< 5
881362(L60)	72.79	16.03	1.13	0.086	0.04	0.25	3.85	3.61	0.002	0.24	0.61	98.63	< 1	134	< 5	20	< 1	< 20	< 10	50	33	3	< 5
881363(L60)	74.20	14.98	0.84	0.048	0.04	0.34	4.86	2.83	0.002	0.26	0.70	99.11	< 1	120	< 5	< 20	< 1	< 20	< 10	< 30	33	3	< 5
881364(L60)	62.29	13.40	7.01	0.132	6.26	4.15	1.89	2.26	0.581	0.17	1.82	99.96	15	4	118	450	27	130	40	80	16	2	< 5
881365(West)	64.85	14.73	5.73	0.109	3.38	4.17	3.16	1.95	0.497	0.21	1.05	99.85	14	12	101	220	20	60	40	100	17	1	< 5
881366(West)	64.83	14.52	5.94	0.108	3.59	4.26	3.13	1.99	0.526	0.17	1.03	100.1	15	6	109	230	21	70	40	90	17	1	< 5
881367(West)	74.29	16.04	0.94	0.063	0.03	0.19	4.25	3.15	0.003	0.17	0.38	99.50	< 1	222	< 5	< 20	1	< 20	< 10	150	36	3	< 5
881368(West)	72.57	16.35	0.83	0.092	0.03	0.19	4.33	3.94	0.003	0.16	0.72	99.22	< 1	184	< 5	< 20	1	< 20	20	70	36	3	< 5
881369(West)	75.02	16.30	1.01	0.108	0.03	0.23	4.31	2.56	0.002	0.18	0.49	100.3	< 1	124	< 5	< 20	< 1	< 20	< 10	80	37	3	< 5
881370(West)	73.09	15.56	3.23	0.096	0.07	0.28	3.51	2.46	0.004	0.16	0.14	98.59	< 1	153	< 5	30	2	30	50	100	41	3	< 5
881371(West)	73.95	16.17	0.93	0.097	0.02	0.24	4.47	2.16	0.003	0.18	0.40	98.62	< 1	172	< 5	20	< 1	< 20	< 10	70	39	3	< 5
881372(West)	63.91	14.14	6.46	0.108	3.97	4.88	3.01	1.88	0.549	0.19	0.92	100.0	16	6	121	260	24	70	50	90	18	1	< 5
881373(West)	62.80	15.19	6.66	0.115	3.62	3.39	3.00	2.21	0.621	0.17	1.96	99.75	15	6	129	310	25	80	50	90	19	1	< 5
881374(West)	69.14	17.15	3.16	0.105	1.37	1.66	3.44	2.52	0.226	0.30	0.99	100.1	6	123	44	120	9	30	20	80	36	3	< 5
881375(West)	73.12	16.51	0.81	0.082	0.08	0.32	5.04	2.76	0.009	0.24	0.48	99.44	< 1	181	< 5	< 20	1	< 20	< 10	< 30	34	3	< 5
881376(West)	63.39	14.73	6.37	0.133	3.59	5.26	2.66	1.65	0.574	0.19	1.06	99.61	16	3	113	300	23	70	30	90	19	1	< 5
881377(West)	64.49	15.19	6.38	0.097	2.82	3.25	2.94	2.16	0.594	0.14	1.07	99.14	15	3	110	140	20	60	40	90	18	1	< 5
881378(West)	74.79	15.66	0.81	0.061	0.02	0.32	5.30	2.13	0.003	0.29	0.75	100.1	< 1	153	< 5	< 20	< 1	< 20	< 10	50	40	3	< 5
881379(West)	74.98	16.13	1.05	0.065	0.02	0.21	3.82	2.29	0.004	0.17	0.72	99.45	< 1	139	< 5	< 20	1	< 20	< 10	90	41	3	< 5
881380(West)	97.39	0.57	0.80	0.008	0.02	0.03	0.04	0.04	0.037	< 0.01	0.22	99.17	< 1	< 1	5	< 20	1	< 20	< 10	< 30	1	1	< 5
881381(West)	75.24	16.11	1.05	0.081	0.04	0.23	3.85	2.58	0.003	0.22	0.39	99.79	< 1	233	< 5	20	1	< 20	< 10	70	35	3	< 5
881382(West)	75.91	13.76	1.48	0.092	0.26	1.02	4.48	1.51	0.067	0.26	0.69	99.52	2	152	16	30	3	< 20	10	60	29	3	< 5
881383(West)	62.99	16.05	6.66	0.127	2.82	2.86	3.29	2.38	0.635	0.15	1.34	99.30	16	3	115	160	23	70	40	90	18	2	< 5
881384(West)	63.07	13.51	8.23	0.168	3.48	2.61	2.08	2.95	0.686	0.19	1.60	98.59	17	9	137	220	28	80	70	120	19	2	< 5

Results

Activation Laboratories Ltd.

Report: A16-09760

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	Spec Grav	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-	
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01	
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2	GRAV
881361(L60)	852	53	3	15	12	< 2	< 0.5	< 0.2	49	< 0.5	29.0	55	4.1	1.1	14.2	< 1	4.0	15	1.1	4.2	< 0.01	< 0.01		
881362(L60)	916	34	< 2	13	15	< 2	< 0.5	< 0.2	47	< 0.5	42.0	61	1.3	1.3	39.8	< 1	5.5	10	0.8	2.4	0.47	1.02		
881363(L60)	842	34	< 2	16	21	< 2	< 0.5	< 0.2	48	< 0.5	43.7	38	1.6	1.9	52.5	< 1	5.7	10	1.1	2.9	0.25	0.53		
881364(L60)	156	291	11	132	4	< 2	0.8	< 0.2	4	< 0.5	90.9	626	< 0.4	3.2	0.6	2	1.8	14	6.5	1.5	0.07	0.15		
881365(West)	232	561	11	116	8	< 2	0.6	< 0.2	6	< 0.5	73.1	679	< 0.4	2.8	9.2	< 1	2.2	13	5.1	2.4	0.10	0.21		
881366(West)	223	574	12	121	5	< 2	0.6	< 0.2	5	< 0.5	62.1	711	< 0.4	2.6	3.5	< 1	2.0	12	5.3	2.1	0.10	0.22		
881367(West)	904	36	< 2	16	54	5	< 0.5	< 0.2	61	< 0.5	53.8	24	1.5	1.8	83.3	< 1	5.7	16	1.4	3.1	0.53	1.14		
881368(West)	1030	42	3	14	37	4	< 0.5	< 0.2	51	< 0.5	50.8	23	2.5	1.6	62.1	1	6.8	23	1.3	4.4	0.26	0.56		
881369(West)	708	27	2	16	30	6	< 0.5	< 0.2	49	< 0.5	38.6	21	1.0	1.6	56.3	< 1	4.9	23	1.0	3.4	0.56	1.20		
881370(West)	658	43	< 2	17	30	24	< 0.5	< 0.2	66	< 0.5	36.7	106	0.5	1.8	29.9	< 1	4.1	16	1.7	4.5	0.73	1.56		
881371(West)	720	33	< 2	23	56	3	< 0.5	< 0.2	55	< 0.5	49.1	15	2.0	2.7	116	< 1	4.9	22	1.3	3.6	0.66	1.42	2.79	
881372(West)	220	667	10	126	5	< 2	0.6	< 0.2	9	< 0.5	70.2	596	< 0.4	2.9	2.6	< 1	2.3	13	5.5	1.8	0.09	0.19		
881373(West)	313	425	11	137	6	< 2	0.7	< 0.2	10	< 0.5	127	667	< 0.4	3.3	2.3	2	2.6	13	6.2	1.3	0.09	0.20		
881374(West)	797	250	6	65	33	2	< 0.5	< 0.2	56	< 0.5	127	277	1.8	2.9	61.6	< 1	5.6	19	3.4	4.3	0.44	0.94		
881375(West)	842	46	< 2	25	51	< 2	< 0.5	< 0.2	39	< 0.5	52.8	46	1.1	3.0	112	< 1	5.9	18	1.7	4.7	0.31	0.66		
881376(West)	233	589	12	142	5	< 2	0.8	< 0.2	6	< 0.5	64.3	550	< 0.4	3.4	1.0	< 1	2.8	17	6.7	1.6	0.08	0.17		
881377(West)	125	508	10	121	4	< 2	0.6	< 0.2	3	< 0.5	20.3	594	< 0.4	2.7	0.5	< 1	1.3	13	5.6	2.2	0.10	0.21		
881378(West)	663	25	2	21	22	< 2	< 0.5	< 0.2	56	< 0.5	35.6	15	1.8	1.6	26.3	< 1	3.7	14	1.0	4.1	0.08	0.18		
881379(West)	680	21	< 2	12	23	< 2	< 0.5	< 0.2	62	< 0.5	37.1	15	0.8	1.1	37.6	< 1	4.4	11	0.7	3.0	0.61	1.30		
881380(West)	2	7	< 2	31	1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	100	< 0.4	0.6	0.1	< 1	0.4	< 5	0.3	0.1	< 0.01	< 0.01		
881381(West)	762	38	< 2	15	29	< 2	< 0.5	< 0.2	53	< 0.5	46.4	83	0.8	1.3	47.4	< 1	4.6	14	1.2	4.7	0.58	1.24	2.78	
881382(West)	347	57	3	28	18	< 2	< 0.5	< 0.2	36	< 0.5	25.1	97	0.7	1.7	36.2	1	2.4	23	1.3	2.6	0.21	0.45		
881383(West)	459	425	10	132	5	< 2	0.6	< 0.2	8	< 0.5	169	611	< 0.4	3.2	0.5	< 1	3.4	18	6.5	1.9	0.12	0.26		
881384(West)	758	261	12	203	5	< 2	1.2	< 0.2	37	< 0.5	237	870	< 0.4	4.9	0.6	< 1	6.1	14	10.5	3.8	0.16	0.35		

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
NIST 694 Meas	11.20	1.90	0.73	0.013	0.34	42.76	0.88	0.55	0.115	30.17					1607								
NIST 694 Cert	11.2	1.80	0.790	0.0116	0.330	43.6	0.860	0.510	0.110	30.2				1740									
DNC-1 Meas	47.98	18.70	9.83	0.147	10.12	11.44	1.93	0.23	0.488	0.08			31		154	280		250	90	70			
DNC-1 Cert	47.15	18.34	9.97	0.150	10.13	11.49	1.890	0.234	0.480	0.070			31		148	270		247	100	70			
GBW 07113 Meas	72.15	12.75	3.18	0.140	0.15	0.60	2.47	5.38	0.282	0.03			5	4	6								
GBW 07113 Cert	72.8	13.0	3.21	0.140	0.160	0.590	2.57	5.43	0.300	0.0500			5.00	4.00	5.00								
LKSD-3 Meas																90	28	50	40	160			26
LKSD-3 Cert																87.0	30.0	47.0	35.0	152			27.0
TDB-1 Meas																260		100	340				
TDB-1 Cert																251		92	323				
W-2a Meas	52.52	15.29	10.73	0.166	6.29	11.06	2.21	0.63	1.085	0.15			35	< 1	272	90	42	80	110	80	17	2	< 5
W-2a Cert	52.4	15.4	10.7	0.163	6.37	10.9	2.14	0.626	1.06	0.130			36.0	1.30	262	92.0	43.0	70.0	110	80.0	17.0	1.00	1.20
SY-4 Meas	50.73	20.46	6.12	0.108	0.51	8.18	6.91	1.68	0.280	0.13			1	3	9								
SY-4 Cert	49.9	20.69	6.21	0.108	0.54	8.05	7.10	1.66	0.287	0.131			1.1	2.6	8.0								
CTA-AC-1 Meas																							
CTA-AC-1 Cert																							
BIR-1a Meas	48.92	15.79	11.36	0.173	9.60	13.50	1.81	0.02	0.987	0.03			43	< 1	323	370	47	170	130		15		< 5
BIR-1a Cert	47.96	15.50	11.30	0.175	9.700	13.30	1.82	0.030	0.96	0.021			44	0.58	310	370	52	170	125		16		0.44
NCS DC86312 Meas																							
NCS DC86312 Cert																							
NCS DC70009 (GBW07241) Meas																		< 20	990	110	17	11	66
NCS DC70009 (GBW07241) Cert																		2.8	960	100	16.5	11.2	69.9
OREAS 100a (Fusion) Meas																	18		180				
OREAS 100a (Fusion) Cert																	18.1		169				
OREAS 101a (Fusion) Meas																	49		430				
OREAS 101a (Fusion) Cert																	48.8		434				
OREAS 101b (Fusion) Meas																	45		420				
OREAS 101b (Fusion) Cert																	47		416				
JR-1 Meas																		< 20		< 30	16	2	17
JR-1 Cert																		1.67		30.6	16.1	1.88	16.3
NCS DC86303 Meas																							
NCS DC86303 Cert																							
NCS DC86303 Meas																							
NCS DC86303 Cert																							
NCS DC86304 Meas																							
NCS DC86304 Cert																							
NCS DC86304 Meas																							
NCS DC86304 Cert																							
NCS DC86314 Meas																							
NCS DC86314 Cert																							
NCS DC86314 Meas																							

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
NCS DC86314 Cert																							
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							
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Lithium Tetraborate FX-LT 100 lot#220610B Cert																							
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							
881370(West) Orig																							
881370(West) Dup																							
881375(West) Orig	73.48	16.33	0.83	0.082	0.08	0.32	5.06	2.77	0.009	0.24	0.48	99.69	< 1	180	< 5	< 20	1	< 20	< 10	< 30	34	3	< 5
881375(West) Dup	72.76	16.68	0.79	0.081	0.08	0.32	5.01	2.75	0.008	0.24	0.48	99.20	< 1	182	< 5	< 20	1	< 20	< 10	< 30	33	3	< 5
881380(West) Orig																							
881380(West) Dup																							
Method Blank																< 20	< 1	< 20	< 10		< 1	< 1	< 5
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																					< 30		

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	Spec Grav	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-	
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01	
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2	GRAV
NIST 694 Meas																								
NIST 694 Cert																								
DNC-1 Meas		144	15	36								106						6						
DNC-1 Cert		144.0	18.0	38								118						6.3						
GBW 07113 Meas		40	45	404								497												
GBW 07113 Cert		43.0	43.0	403								506												
LKSD-3 Meas	71					< 2	2.8				2.2				0.7				10.5	4.5				
LKSD-3 Cert	78.0					2.00	2.70				2.30				0.700				11.4	4.60				
TDB-1 Meas	22																							
TDB-1 Cert	23																							
W-2a Meas	21	191	19	89	8	< 2					0.9	175	< 0.4			< 1	< 0.1							
W-2a Cert	21.0	190	24.0	94.0	7.90	0.600					0.990	182	0.0300			0.300	0.200							
SY-4 Meas		1210	113	520								346												
SY-4 Cert		1191	119	517								340												
CTA-AC-1 Meas															2.5					22.6				
CTA-AC-1 Cert															2.65					21.8				
BIR-1a Meas		109	14	17								9		0.6										
BIR-1a Cert		110	16	18								6		0.60										
NCS DC86312 Meas																						24.7		
NCS DC86312 Cert																						23.6		
NCS DC70009 (GBW07241) Meas	491						1.7		1690	3.0	40.5					2050				29.0				
NCS DC70009 (GBW07241) Cert	500						1.8		1701	3.1	41					2200				28.3				
OREAS 100a (Fusion) Meas						23														51.4	134			
OREAS 100a (Fusion) Cert						24.1														51.6	135			
OREAS 101a (Fusion) Meas						20														34.7	409			
OREAS 101a (Fusion) Cert						21.9														36.6	422			
OREAS 101b (Fusion) Meas						20														36.5	387			
OREAS 101b (Fusion) Cert						20.9														37.1	396			
JR-1 Meas	255				16	3		< 0.2	3		19.1		0.6	4.1	1.8	2	1.4	20	26.1	8.6				
JR-1 Cert	257				15.2	3.25		0.028	2.86		20.8		0.56	4.51	1.86	1.59	1.56	19.3	26.7	8.88				
NCS DC86303 Meas																						0.21	0.46	
NCS DC86303 Cert																						0.21	0.460	
NCS DC86303 Meas																						0.21	0.46	
NCS DC86303 Cert																						0.21	0.460	
NCS DC86304 Meas																						1.08	2.32	
NCS DC86304 Cert																						1.06	2.29	
NCS DC86304 Meas																						1.08	2.32	
NCS DC86304 Cert																						1.06	2.29	
NCS DC86314 Meas																						1.07	2.30	
NCS DC86314 Cert																						1.81	3.89	
NCS DC86314 Meas																						1.77	3.80	

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	Spec Grav	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-	
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01	
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2	GRAV
NCS DC86314 Cert																						1.81	3.89	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.04		
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8		
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.32		
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8		
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.09		
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8		
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.13		
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8		
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.42		
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8		
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						7.97		
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8		
881370(West) Orig																						0.73	1.56	
881370(West) Dup																						0.73	1.56	
881375(West) Orig	851	46	2	25	49	< 2	< 0.5	< 0.2	39	< 0.5	53.4	47	1.0	3.0	111	< 1	5.9	18	1.7	4.7				
881375(West) Dup	833	46	< 2	24	52	< 2	< 0.5	< 0.2	39	< 0.5	52.3	46	1.2	3.0	113	< 1	5.9	18	1.7	4.7				
881380(West) Orig																						< 0.01	< 0.01	
881380(West) Dup																						< 0.01	< 0.01	
Method Blank	< 2				< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5		< 0.4	< 0.2	< 0.1	< 1	< 0.1	< 5	< 0.1	< 0.1				
Method Blank																						< 0.01	< 0.01	
Method Blank																						< 0.01	< 0.01	
Method Blank																						< 0.01	< 0.01	
Method Blank																								0.99
Method Blank																								



Rock Tech Lithium Inc.
789 West Pender Street
Suite 1200
Vancouver BC V6C 1H6
Canada

ATTN: Julie Selway

Date Submitted: 27-Sep-16
Invoice No.: A16-09856
Invoice Date: 27-Oct-16
Your Reference: Georgia Lake Lithium

CERTIFICATE OF ANALYSIS

22 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 4Litho-Pegmatite Special Major Elements Fusion ICP(WRA)/Trace Elements Fusion ICP/MS(WRA4B2)

Code 8-Li (Sodium Peroxide Fusion) Sodium Peroxide Fusion

Code Specific Gravity Pulp

REPORT **A16-09856**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Total includes all elements in % oxide to the left of total.

CERTIFIED BY:

A handwritten signature in black ink, appearing to read "Emmanuel Eseme". The signature is stylized and somewhat cursive.

Emmanuel Eseme, Ph.D.
Quality Control

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Results

Activation Laboratories Ltd.

Report: A16-09856

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
881385West	73.96	16.53	0.78	0.084	0.08	0.44	5.28	1.80	0.014	0.25	0.72	99.93	< 1	142	8	30	1	< 20	< 10	60	35	3	< 5
881386West	74.87	16.12	0.76	0.097	0.06	0.33	4.66	1.76	0.011	0.22	0.70	99.59	< 1	188	6	30	< 1	< 20	< 10	60	38	3	< 5
881387West	61.72	16.95	6.67	0.128	2.98	3.78	3.22	2.44	0.677	0.16	1.24	99.96	18	5	131	160	25	80	50	100	20	1	< 5
881388West	64.43	14.30	7.03	0.127	2.82	3.31	2.84	2.15	0.640	0.17	1.76	99.56	15	3	121	210	24	70	70	140	19	1	< 5
881389West	72.54	15.95	0.54	0.026	0.05	0.37	5.50	4.43	0.004	0.21	0.60	100.2	< 1	135	< 5	30	< 1	< 20	< 10	< 30	33	3	< 5
881390West	86.31	8.10	1.66	0.049	0.05	0.17	1.76	1.31	0.037	0.08	0.37	99.88	< 1	79	< 5	30	1	< 20	30	60	20	2	< 5
881391West	65.59	14.16	6.86	0.132	2.70	3.39	3.31	1.94	0.597	0.13	1.54	100.3	14	3	116	180	24	70	60	130	19	1	< 5
881392West	60.10	16.53	8.44	0.138	3.74	2.56	3.36	2.97	0.622	0.19	2.30	101.0	18	6	145	190	29	80	110	160	22	2	< 5
881393West	73.87	16.18	1.01	0.082	0.13	0.42	4.93	3.24	0.023	0.29	0.70	100.9	< 1	169	7	30	2	< 20	10	130	38	3	< 5
881394West	74.26	16.55	0.79	0.112	0.04	0.24	3.22	2.48	0.002	0.23	0.61	98.54	< 1	248	< 5	30	< 1	< 20	< 10	110	41	3	< 5
881395West	74.80	15.94	0.69	0.086	0.02	0.23	3.84	3.00	0.002	0.24	0.48	99.34	< 1	163	6	20	< 1	< 20	< 10	100	38	4	< 5
881396West	76.29	16.10	0.67	0.073	0.02	0.26	3.41	2.78	0.001	0.22	0.36	100.2	< 1	171	< 5	30	< 1	< 20	< 10	60	36	4	< 5
881397West	72.32	16.01	0.52	0.046	0.04	0.22	4.04	4.75	0.002	0.20	0.53	98.68	< 1	149	< 5	20	< 1	< 20	< 10	40	33	3	< 5
881398West	73.89	16.69	0.59	0.066	0.03	0.25	4.23	4.27	0.002	0.21	0.38	100.6	< 1	184	< 5	40	< 1	< 20	< 10	50	32	3	< 5
881399West	72.84	15.87	0.76	0.043	0.12	0.41	6.02	2.56	0.024	0.24	0.59	99.48	< 1	148	7	30	1	< 20	< 10	< 30	36	3	< 5
881400West	98.35	0.50	0.77	0.007	0.01	0.02	0.04	0.05	0.022	< 0.01	0.20	99.96	< 1	< 1	8	< 20	< 1	< 20	< 10	< 30	< 1	< 1	< 5
881401West	65.62	14.85	6.00	0.106	2.42	2.98	3.20	1.98	0.545	0.13	1.24	99.07	13	2	102	130	19	50	40	80	18	1	< 5
881402West	62.09	15.64	6.22	0.099	3.52	3.64	3.23	2.26	0.545	0.17	1.46	98.88	14	4	111	260	21	70	50	80	19	1	< 5
881403West	74.06	15.21	0.70	0.070	0.04	0.24	5.59	1.96	0.004	0.22	0.62	98.71	< 1	169	< 5	20	< 1	< 20	< 10	70	39	3	< 5
881404West	75.57	15.87	1.02	0.110	0.03	0.24	3.15	2.32	0.002	0.31	0.61	99.22	< 1	216	< 5	20	< 1	< 20	< 10	80	44	3	< 5
881405West	74.26	15.99	0.73	0.092	0.03	0.25	3.24	3.91	0.003	0.26	0.53	99.29	< 1	145	< 5	20	< 1	< 20	< 10	70	36	3	< 5
881406West	74.29	16.10	0.79	0.104	0.04	0.24	3.35	3.30	0.002	0.27	0.52	99.01	< 1	165	< 5	20	< 1	< 20	< 10	60	37	3	< 5

Results

Activation Laboratories Ltd.

Report: A16-09856

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	Spec Grav	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-	
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01	
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2	GRAV
881385West	497	57	< 2	16	26	< 2	< 0.5	< 0.2	55	< 0.5	36.3	67	1.2	1.6	46.4	1	2.9	16	1.6	4.9	0.45	0.97		
881386West	546	41	< 2	17	35	< 2	< 0.5	< 0.2	65	< 0.5	42.8	55	1.4	1.9	58.7	1	3.2	14	1.7	5.0	0.50	1.08		
881387West	180	496	12	120	5	< 2	0.8	< 0.2	6	< 0.5	72.7	837	< 0.4	3.0	1.6	< 1	1.6	15	6.1	1.8	0.10	0.22		
881388West	125	412	12	199	6	< 2	1.3	< 0.2	6	< 0.5	29.1	594	< 0.4	4.9	1.1	< 1	0.9	19	10.1	3.9	0.06	0.13		
881389West	959	40	< 2	12	11	< 2	< 0.5	< 0.2	28	< 0.5	39.0	80	1.2	0.8	16.2	< 1	5.5	13	0.4	1.4	0.04	0.08		
881390West	314	25	3	62	16	12	< 0.5	< 0.2	33	< 0.5	18.1	62	< 0.4	2.0	15.3	1	2.1	9	1.9	2.3	0.37	0.80		
881391West	110	457	11	173	5	< 2	1.1	< 0.2	8	< 0.5	17.2	527	< 0.4	4.2	0.5	< 1	0.9	22	8.2	2.6	0.05	0.10		
881392West	189	352	10	146	7	35	0.9	< 0.2	10	< 0.5	38.3	1122	< 0.4	3.6	1.1	< 1	1.3	22	8.1	3.4	0.10	0.22		
881393West	733	44	3	19	16	< 2	< 0.5	< 0.2	49	< 0.5	38.6	92	1.4	1.4	16.0	< 1	4.1	19	1.1	7.9	0.26	0.55		
881394West	792	33	< 2	24	36	< 2	< 0.5	< 0.2	67	< 0.5	50.4	70	2.1	1.7	66.2	< 1	4.9	13	1.2	5.7	0.85	1.82	2.86	
881395West	956	27	3	15	31	< 2	< 0.5	< 0.2	57	< 0.5	52.5	35	1.6	1.5	49.2	1	6.5	16	1.3	4.3	0.59	1.27		
881396West	885	31	< 2	14	28	< 2	< 0.5	< 0.2	61	< 0.5	53.6	35	3.7	1.6	40.0	1	6.2	15	1.1	2.6	0.73	1.56		
881397West	1290	35	< 2	17	30	< 2	< 0.5	< 0.2	46	< 0.5	61.0	69	2.7	1.4	48.9	2	8.9	18	0.8	2.7	0.29	0.63		
881398West	1000	29	< 2	14	11	< 2	< 0.5	< 0.2	33	< 0.5	42.1	33	1.3	1.1	13.3	< 1	6.7	17	0.9	3.1	0.40	0.86		
881399West	640	49	< 2	29	21	< 2	< 0.5	< 0.2	44	< 0.5	32.5	52	1.2	1.8	22.9	< 1	4.4	13	0.9	2.8	0.04	0.09		
881400West	< 2	7	< 2	13	< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	122	< 0.4	0.3	< 0.1	< 1	0.5	< 5	0.2	0.1	< 0.01	< 0.01		
881401West	130	443	8	110	4	< 2	0.7	< 0.2	2	< 0.5	52.6	498	< 0.4	2.8	0.4	< 1	0.9	12	5.4	1.7	0.08	0.17		
881402West	91	493	7	135	5	< 2	0.9	< 0.2	4	< 0.5	47.0	811	< 0.4	3.3	0.5	< 1	0.7	13	6.3	1.9	0.08	0.18		
881403West	530	22	< 2	8	14	< 2	< 0.5	< 0.2	61	< 0.5	35.5	21	3.9	0.9	14.0	< 1	2.8	11	0.9	3.5	0.19	0.42		
881404West	592	21	< 2	7	10	< 2	< 0.5	< 0.2	62	< 0.5	39.3	18	5.7	0.5	6.1	< 1	3.4	12	0.6	3.8	0.87	1.88	2.80	
881405West	1070	33	< 2	12	15	< 2	< 0.5	< 0.2	49	< 0.5	59.2	42	2.5	0.7	19.0	< 1	6.6	14	0.6	3.1	0.69	1.48		
881406West	964	31	< 2	10	19	< 2	< 0.5	< 0.2	52	< 0.5	56.2	37	2.1	0.8	22.3	< 1	6.7	12	0.7	2.8	0.69	1.48		

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
NIST 694 Meas	11.34	1.92	0.73	0.010	0.34	42.85	0.88	0.54	0.120	30.18					1616								
NIST 694 Cert	11.2	1.80	0.790	0.0116	0.330	43.6	0.860	0.510	0.110	30.2				1740									
DNC-1 Meas	47.19	18.83	10.15	0.150	10.19	11.49	1.91	0.22	0.490	0.07			32		148	280		250	90	70			
DNC-1 Cert	47.15	18.34	9.97	0.150	10.13	11.49	1.890	0.234	0.480	0.070			31		148	270		247	100	70			
GBW 07113 Meas	73.21	12.97	3.24	0.150	0.15	0.60	2.49	5.46	0.280	0.04			5	4	5								
GBW 07113 Cert	72.8	13.0	3.21	0.140	0.160	0.590	2.57	5.43	0.300	0.0500			5.00	4.00	5.00								
LKSD-3 Meas																90	28	50	40	160			26
LKSD-3 Cert																87.0	30.0	47.0	35.0	152			27.0
TDB-1 Meas																260		100	340				
TDB-1 Cert																251		92	323				
W-2a Meas	51.99	15.43	10.95	0.160	6.28	11.01	2.18	0.61	1.070	0.15			35	< 1	269	90	42	80	110	80	17	2	< 5
W-2a Cert	52.4	15.4	10.7	0.163	6.37	10.9	2.14	0.626	1.06	0.130			36.0	1.30	262	92.0	43.0	70.0	110	80.0	17.0	1.00	1.20
SY-4 Meas	50.15	20.47	6.21	0.110	0.51	8.15	6.99	1.66	0.290	0.13			2	3	9								
SY-4 Cert	49.9	20.69	6.21	0.108	0.54	8.05	7.10	1.66	0.287	0.131			1.1	2.6	8.0								
CTA-AC-1 Meas																							
CTA-AC-1 Cert																							
BIR-1a Meas	47.73	15.66	11.70	0.170	9.58	13.44	1.82	0.02	0.990	0.03			43	< 1	317	370	47	170	130		15		< 5
BIR-1a Cert	47.96	15.50	11.30	0.175	9.700	13.30	1.82	0.030	0.96	0.021			44	0.58	310	370	52	170	125		16		0.44
NCS DC86312 Meas																							
NCS DC86312 Cert																							
NCS DC70009 (GBW07241) Meas																		< 20	990	110	17	11	66
NCS DC70009 (GBW07241) Cert																		2.8	960	100	16.5	11.2	69.9
OREAS 100a (Fusion) Meas																	18		180				
OREAS 100a (Fusion) Cert																	18.1		169				
OREAS 101a (Fusion) Meas																	49		430				
OREAS 101a (Fusion) Cert																	48.8		434				
OREAS 101b (Fusion) Meas																	45		420				
OREAS 101b (Fusion) Cert																	47		416				
JR-1 Meas																		< 20		< 30	16	2	17
JR-1 Cert																		1.67		30.6	16.1	1.88	16.3
NCS DC86303 Meas																							
NCS DC86303 Cert																							
NCS DC86304 Meas																							
NCS DC86304 Cert																							
NCS DC86314 Meas																							
NCS DC86314 Cert																							
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							
881394West Orig																							
881394West Dup																							
881399West Orig	72.72	15.88	0.75	0.043	0.12	0.41	6.06	2.56	0.024	0.23	0.59	99.40	< 1	150	7	30	1	< 20	< 10	30	36	3	< 5
881399West Dup	72.96	15.86	0.76	0.042	0.12	0.41	5.98	2.55	0.024	0.24	0.59	99.55	< 1	146	7	30	1	< 20	< 10	< 30	35	3	< 5
Method Blank																< 20	< 1	< 20	< 10		< 1	< 1	< 5
Method Blank																							
Method Blank																							
Method Blank																					< 30		

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	Spec Grav	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-	
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01	
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2	GRAV
NIST 694 Meas																								
NIST 694 Cert																								
DNC-1 Meas		147	15	36								107						6						
DNC-1 Cert		144.0	18.0	38								118						6.3						
GBW 07113 Meas		41	45	393								502												
GBW 07113 Cert		43.0	43.0	403								506												
LKSD-3 Meas	71					< 2	2.8				2.2				0.7				10.5	4.5				
LKSD-3 Cert	78.0					2.00	2.70				2.30				0.700				11.4	4.60				
TDB-1 Meas	22																							
TDB-1 Cert	23																							
W-2a Meas	21	197	18	85	8	< 2					0.9	173	< 0.4			< 1	< 0.1							
W-2a Cert	21.0	190	24.0	94.0	7.90	0.600					0.990	182	0.0300			0.300	0.200							
SY-4 Meas		1198	114	536								348												
SY-4 Cert		1191	119	517								340												
CTA-AC-1 Meas															2.5					22.6				
CTA-AC-1 Cert															2.65					21.8				
BIR-1a Meas		108	12	16								8		0.6										
BIR-1a Cert		110	16	18								6		0.60										
NCS DC86312 Meas																						24.7		
NCS DC86312 Cert																						23.6		
NCS DC70009 (GBW07241) Meas	491						1.7	1690	3.0	40.5						2050						29.0		
NCS DC70009 (GBW07241) Cert	500						1.8	1701	3.1	41						2200						28.3		
OREAS 100a (Fusion) Meas						23														51.4	134			
OREAS 100a (Fusion) Cert						24.1														51.6	135			
OREAS 101a (Fusion) Meas						20														34.7	409			
OREAS 101a (Fusion) Cert						21.9														36.6	422			
OREAS 101b (Fusion) Meas						20														36.5	387			
OREAS 101b (Fusion) Cert						20.9														37.1	396			
JR-1 Meas	255				16	3		< 0.2	3		19.1		0.6	4.1	1.8	2	1.4	20	26.1	8.6				
JR-1 Cert	257				15.2	3.25		0.028	2.86		20.8		0.56	4.51	1.86	1.59	1.56	19.3	26.7	8.88				
NCS DC86303 Meas																						0.22	0.46	
NCS DC86303 Cert																						0.21	0.460	
NCS DC86304 Meas																						1.08	2.33	
NCS DC86304 Cert																						1.06	2.29	
NCS DC86314 Meas																						1.78	3.84	
NCS DC86314 Cert																						1.81	3.89	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.05		
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8		

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	Spec Grav	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01	
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2	GRAV
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.11		
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8		
881394West Orig																						0.84	1.81	
881394West Dup																						0.85	1.84	
881399West Orig	646	49	< 2	24	21	< 2	< 0.5	< 0.2	44	< 0.5	32.7	52	0.9	1.7	24.0	< 1	4.5	12	0.9	2.7	0.04	0.09		
881399West Dup	634	48	2	34	20	< 2	< 0.5	< 0.2	43	< 0.5	32.3	51	1.5	1.9	21.7	< 1	4.4	13	0.9	2.8	0.04	0.09		
Method Blank	< 2				< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5		< 0.4	< 0.2	< 0.1	< 1	< 0.1	< 5	< 0.1	< 0.1				
Method Blank																					< 0.01	< 0.01		
Method Blank																								0.99
Method Blank																								



Rock Tech Lithium Inc.
789 West Pender Street
Suite 1200
Vancouver BC V6C 1H6
Canada

ATTN: Julie Selway

Date Submitted: 29-Sep-16
Invoice No.: A16-10001
Invoice Date: 21-Oct-16
Your Reference: Georgia Lake Lithium

CERTIFICATE OF ANALYSIS

45 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 4Litho-Pegmatite Special Major Elements Fusion ICP(WRA)/Trace Elements Fusion ICP/MS(WRA4B2)

Code 8-Li (Sodium Peroxide Fusion) Sodium Peroxide Fusion

Code Specific Gravity Pulp

REPORT **A16-10001**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Total includes all elements in % oxide to the left of total.

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written in a cursive, somewhat stylized font.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
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Results

Activation Laboratories Ltd.

Report: A16-10001

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Ga	Ge	As	Rb
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	1	1	5	2
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
881407West	75.24	16.03	0.98	0.088	0.03	0.22	3.60	2.82	0.003	0.27	0.65	99.92	< 1	164	< 5	< 20	< 1	< 20	< 10	36	3	< 5	845
881408West	75.10	15.39	0.84	0.081	0.02	0.22	4.28	2.61	0.002	0.26	0.65	99.44	< 1	200	< 5	20	< 1	< 20	< 10	33	2	< 5	816
881409West	75.48	16.38	1.01	0.092	0.03	0.19	3.39	2.88	0.002	0.23	0.59	100.3	< 1	179	< 5	20	< 1	< 20	< 10	37	2	< 5	856
881410West	73.77	15.16	3.17	0.093	0.08	0.28	3.40	2.45	0.004	0.15	0.30	98.86	< 1	149	< 5	30	1	20	50	38	3	< 5	690
881411West	74.49	15.60	0.91	0.050	0.03	0.27	5.13	2.50	0.002	0.19	0.75	99.93	< 1	172	< 5	< 20	< 1	< 20	< 10	36	3	< 5	572
881412West	60.81	16.17	6.88	0.160	3.74	5.16	3.13	1.91	0.585	0.17	1.66	100.4	16	5	121	270	21	70	40	20	2	< 5	145
881413West	67.16	14.35	5.84	0.104	2.65	3.60	3.23	1.81	0.524	0.15	1.33	100.7	13	5	99	150	19	60	40	17	1	< 5	121
881414West	75.68	14.90	1.19	0.093	0.03	0.33	3.54	3.50	0.004	0.31	0.81	100.4	< 1	188	< 5	< 20	< 1	< 20	< 10	41	2	< 5	955
881415West	76.42	15.78	1.20	0.094	0.02	0.31	3.53	2.04	0.002	0.27	0.60	100.3	< 1	186	< 5	20	< 1	< 20	< 10	40	3	< 5	554
881416West	74.61	15.98	1.01	0.094	0.02	0.28	3.95	2.46	0.003	0.24	0.60	99.25	< 1	187	< 5	20	< 1	< 20	< 10	36	2	< 5	709
881417West	74.92	15.38	0.99	0.064	0.05	0.28	5.27	2.25	0.003	0.19	0.79	100.2	< 1	153	< 5	< 20	< 1	< 20	< 10	35	2	< 5	553
881418West	74.50	15.58	1.01	0.072	0.06	0.23	3.94	3.63	0.003	0.20	0.81	100.0	< 1	182	< 5	20	< 1	< 20	< 10	35	2	< 5	894
881419West	71.94	18.14	1.08	0.081	0.04	0.23	4.58	2.79	0.005	0.24	1.06	100.2	< 1	115	< 5	< 20	< 1	< 20	< 10	46	3	< 5	832
881420West	97.86	0.45	0.89	0.008	0.03	0.03	0.03	0.04	0.028	0.01	0.23	99.61	< 1	< 1	< 5	< 20	< 1	< 20	< 10	< 1	< 1	< 5	< 2
881421West	69.03	19.19	0.99	0.049	0.03	0.21	4.69	3.56	0.005	0.15	1.38	99.28	< 1	112	< 5	< 20	< 1	< 20	< 10	54	2	< 5	965
881422West	75.02	15.86	1.00	0.084	0.03	0.21	3.70	2.86	0.002	0.21	0.56	99.54	< 1	161	< 5	< 20	< 1	< 20	< 10	34	3	< 5	797
881423West	74.26	15.94	0.90	0.060	0.03	0.25	4.21	3.56	0.002	0.23	0.53	99.98	< 1	132	< 5	< 20	< 1	< 20	< 10	32	2	< 5	1010
881424West	69.53	18.23	0.90	0.030	0.10	0.45	6.57	3.12	0.016	0.16	0.96	100.1	< 1	251	8	< 20	1	< 20	< 10	39	2	< 5	664
881425West	66.79	13.97	6.89	0.126	2.77	3.30	2.20	2.31	0.604	0.16	1.45	100.6	19	4	138	150	24	80	70	19	1	< 5	289
881426West	63.82	14.75	7.41	0.134	3.12	3.36	2.41	2.57	0.674	0.15	1.51	99.91	22	4	157	170	27	80	70	20	1	< 5	320
881427West	64.76	13.83	6.38	0.120	3.75	4.32	2.89	1.89	0.518	0.17	1.30	99.93	15	2	111	270	20	60	40	17	1	< 5	170
881428West	74.53	15.13	1.00	0.063	0.06	0.29	4.29	2.74	0.005	0.22	0.68	99.02	< 1	172	< 5	< 20	< 1	< 20	< 10	37	2	< 5	902
881429West	74.04	15.97	0.93	0.055	0.03	0.24	3.97	4.04	0.002	0.20	0.43	99.90	< 1	180	< 5	< 20	< 1	< 20	< 10	34	3	< 5	1170
881430West	86.68	8.23	1.64	0.048	0.05	0.17	1.73	1.32	0.034	0.09	0.15	100.1	< 1	78	< 5	20	< 1	< 20	30	20	2	< 5	344
881431West	73.69	15.85	0.47	0.060	0.03	0.34	6.39	2.23	0.004	0.28	0.75	100.1	< 1	203	< 5	20	< 1	< 20	< 10	38	2	< 5	668
881432West	74.44	15.09	0.79	0.060	0.21	0.49	5.10	2.16	0.030	0.22	0.64	99.21	< 1	155	8	40	1	< 20	< 10	36	3	< 5	599
881433West	63.66	15.25	5.74	0.104	3.26	3.52	2.85	2.45	0.518	0.17	1.20	98.72	14	4	107	230	20	60	40	18	< 1	< 5	264
881434West	64.34	15.06	5.73	0.123	3.29	3.35	2.96	2.78	0.514	0.38	1.27	99.78	14	8	104	230	19	60	40	18	1	< 5	548
881435West	60.97	14.45	7.14	0.110	4.59	4.62	3.09	2.11	0.625	0.18	1.49	99.37	18	3	135	350	25	80	70	18	1	< 5	101
881436West	75.01	15.59	0.49	0.050	0.05	0.30	5.58	2.38	0.003	0.23	0.78	100.5	< 1	136	< 5	30	< 1	< 20	< 10	38	3	< 5	679
881437West	75.10	15.68	0.62	0.064	0.11	0.28	3.98	3.27	0.002	0.23	0.73	100.1	< 1	179	< 5	30	< 1	< 20	< 10	37	3	< 5	808
881438West	74.88	15.44	0.56	0.038	0.11	0.35	5.39	2.66	0.004	0.26	0.83	100.5	< 1	153	< 5	40	< 1	< 20	< 10	38	3	< 5	792
881439West	61.43	14.36	6.93	0.102	4.33	4.92	3.07	1.90	0.572	0.21	1.17	99.00	17	3	125	330	24	80	50	18	1	< 5	106
881440West	97.14	0.74	0.93	0.008	0.03	0.03	0.03	0.07	0.027	< 0.01	0.34	99.35	< 1	< 1	5	< 20	< 1	< 20	< 10	1	< 1	< 5	3
881441Harricana	62.44	16.67	5.42	0.139	2.76	3.04	3.74	2.77	0.449	0.42	1.67	99.51	12	33	89	200	17	50	30	22	2	< 5	648
881442Harricana	72.78	15.47	0.96	0.067	0.11	0.44	4.05	3.98	0.012	0.32	0.85	99.03	1	180	< 5	30	1	< 20	< 10	38	2	< 5	996
881443Harricana	76.28	15.37	0.79	0.090	0.10	0.27	3.36	2.54	0.002	0.18	0.67	99.65	< 1	192	< 5	40	< 1	< 20	< 10	38	3	< 5	728
881444Harricana	74.78	16.04	0.55	0.071	0.03	0.22	4.43	2.63	0.002	0.19	0.61	99.54	< 1	188	< 5	30	< 1	< 20	< 10	34	3	< 5	775
881445Harricana	74.68	14.84	0.58	0.054	0.02	0.27	5.41	2.55	0.002	0.24	0.68	99.32	< 1	181	< 5	20	< 1	< 20	< 10	34	3	< 5	663
881446Harricana	75.21	15.40	0.61	0.052	0.02	0.25	5.27	2.45	0.002	0.23	0.66	100.2	< 1	183	< 5	30	< 1	< 20	< 10	36	3	< 5	644
881447Harricana	77.05	13.94	0.78	0.104	0.06	0.25	4.81	2.69	0.002	0.20	0.86	100.8	< 1	274	< 5	30	< 1	< 20	< 10	31	2	< 5	639
881448Harricana	63.30	15.73	5.84	0.107	3.28	5.07	3.49	2.04	0.519	0.19	1.00	100.6	15	3	106	240	20	60	40	18	1	< 5	94
881449Harricana	63.16	15.59	5.82	0.133	3.46	5.03	3.40	1.60	0.510	0.15	1.26	100.1	14	3	103	230	18	50	30	18	1	< 5	115
881450Harricana	73.94	15.71	3.21	0.092	0.06	0.28	3.48	2.46	0.004	0.14	0.21	99.58	< 1	151	< 5	30	1	20	50	39	3	< 5	667
881451Harricana	61.59	16.19	7.11	0.145	4.29	2.09	3.09	3.60	0.608	0.31	1.72	100.8	17	18	127	200	25	90	10	23	2	< 5	782

Results

Activation Laboratories Ltd.

Report: A16-10001

Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Zn	Li	Li2O	Spec Grav
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	30	0.01	0.01	0.01
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	GRAV
881407West	25	< 2	16	29	< 2	< 0.5	< 0.2	50	< 0.5	57.6	14	1.8	1.7	47.5	< 1	5.4	15	1.4	5.1	40	0.74	1.59	
881408West	25	< 2	10	21	< 2	< 0.5	< 0.2	41	< 0.5	52.1	25	3.2	1.0	29.6	< 1	5.3	12	0.7	2.7	< 30	0.52	1.12	
881409West	22	< 2	12	21	< 2	< 0.5	< 0.2	44	< 0.5	55.7	18	2.2	1.1	27.9	< 1	5.9	13	0.8	3.2	50	0.86	1.86	
881410West	43	< 2	16	36	22	< 0.5	< 0.2	64	< 0.5	41.4	106	0.6	1.7	33.3	1	4.2	17	1.7	4.4	100	0.73	1.57	
881411West	25	< 2	8	13	< 2	< 0.5	< 0.2	49	< 0.5	36.6	47	3.9	0.7	16.4	< 1	3.6	11	0.6	2.4	< 30	0.31	0.67	
881412West	661	12	149	6	< 2	< 0.5	< 0.2	8	< 0.5	41.7	792	< 0.4	3.8	0.6	< 1	1.2	15	7.3	2.2	160	0.08	0.18	
881413West	444	11	116	4	< 2	< 0.5	< 0.2	3	< 0.5	23.1	516	< 0.4	2.9	0.6	< 1	0.9	14	6.1	1.8	70	0.09	0.18	
881414West	29	< 2	14	15	< 2	< 0.5	< 0.2	56	< 0.5	51.8	21	8.4	0.6	9.0	< 1	5.6	13	0.8	4.7	60	0.38	0.83	
881415West	24	< 2	9	13	< 2	< 0.5	< 0.2	45	< 0.5	35.1	19	4.6	0.8	13.8	< 1	3.5	10	0.6	3.4	40	0.84	1.81	
881416West	24	< 2	11	16	< 2	< 0.5	< 0.2	40	< 0.5	46.6	23	1.3	0.9	24.0	< 1	4.4	12	0.9	2.8	50	0.70	1.50	2.80
881417West	21	3	11	16	< 2	< 0.5	< 0.2	36	< 0.5	33.9	52	2.1	0.9	24.5	< 1	3.1	15	0.7	2.0	40	0.16	0.34	
881418West	24	< 2	8	26	< 2	< 0.5	< 0.2	44	< 0.5	49.6	39	3.8	0.7	26.4	< 1	5.6	14	0.9	2.2	50	0.30	0.65	
881419West	23	< 2	15	30	< 2	< 0.5	< 0.2	67	< 0.5	53.8	23	3.1	1.6	31.8	1	5.0	11	1.3	2.1	40	0.43	0.94	
881420West	6	2	17	< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	109	< 0.4	0.3	< 0.1	< 1	0.3	< 5	0.3	0.2	< 30	< 0.01	< 0.01	
881421West	22	< 2	19	36	< 2	< 0.5	< 0.2	78	< 0.5	62.9	17	3.0	2.2	39.0	2	5.8	13	1.5	2.5	50	0.31	0.67	
881422West	21	< 2	11	27	< 2	< 0.5	< 0.2	44	< 0.5	50.6	25	1.3	1.2	47.9	< 1	5.3	13	1.1	2.2	30	0.71	1.53	
881423West	26	< 2	9	18	< 2	< 0.5	< 0.2	31	< 0.5	52.0	19	1.0	0.9	35.3	< 1	6.8	14	0.7	1.7	< 30	0.48	1.04	
881424West	41	< 2	10	18	< 2	< 0.5	< 0.2	51	< 0.5	35.4	71	0.8	0.7	18.1	< 1	3.9	10	0.7	1.1	< 30	0.02	0.05	
881425West	305	13	97	5	< 2	< 0.5	< 0.2	6	< 0.5	119	862	< 0.4	2.4	0.9	3	2.3	13	5.2	1.5	80	0.11	0.24	
881426West	325	14	111	5	< 2	< 0.5	< 0.2	6	< 0.5	128	956	< 0.4	2.8	0.5	3	2.3	12	5.5	1.7	100	0.13	0.27	2.84
881427West	538	11	125	4	< 2	< 0.5	< 0.2	4	< 0.5	49.2	611	< 0.4	3.0	0.5	2	1.4	14	5.9	1.8	80	0.06	0.13	
881428West	35	< 2	21	40	< 2	< 0.5	< 0.2	58	< 0.5	49.7	53	1.7	2.1	67.5	< 1	5.5	14	1.3	4.6	50	0.32	0.70	
881429West	29	< 2	21	48	2	< 0.5	< 0.2	44	< 0.5	53.6	41	1.8	2.0	53.7	< 1	8.6	18	1.0	5.2	50	0.41	0.88	
881430West	24	4	58	17	11	< 0.5	< 0.2	31	< 0.5	20.6	63	< 0.4	2.0	15.5	< 1	2.4	9	2.1	2.6	50	0.36	0.78	
881431West	25	2	29	131	< 2	< 0.5	< 0.2	39	< 0.5	35.8	30	1.8	3.1	192	1	4.0	13	1.4	5.4	< 30	0.04	0.09	
881432West	55	< 2	19	31	< 2	< 0.5	< 0.2	44	< 0.5	48.4	90	0.9	1.7	58.6	< 1	3.9	12	1.3	2.9	70	0.30	0.64	
881433West	364	9	118	5	< 2	< 0.5	< 0.2	7	< 0.5	110	760	< 0.4	3.1	1.0	< 1	2.7	11	6.3	2.3	90	0.09	0.19	
881434West	368	11	117	6	< 2	< 0.5	< 0.2	16	< 0.5	141	739	0.6	2.9	2.8	3	5.1	13	6.3	2.5	80	0.10	0.21	
881435West	499	13	169	5	< 2	< 0.5	< 0.2	3	< 0.5	30.9	658	< 0.4	4.2	0.6	< 1	1.0	14	7.7	2.6	80	0.03	0.07	
881436West	43	2	20	38	< 2	< 0.5	< 0.2	56	< 0.5	41.2	106	1.5	2.0	61.7	< 1	3.9	13	1.1	5.8	< 30	0.12	0.25	2.70
881437West	78	2	26	48	< 2	< 0.5	< 0.2	53	< 0.5	48.2	301	2.5	2.3	79.7	< 1	5.4	15	1.2	3.4	< 30	0.50	1.08	
881438West	68	3	25	48	< 2	< 0.5	< 0.2	52	< 0.5	41.3	255	1.3	2.6	58.5	< 1	4.8	15	1.1	4.4	< 30	0.20	0.42	
881439West	592	12	127	6	< 2	< 0.5	< 0.2	4	< 0.5	48.1	552	< 0.4	3.3	1.5	< 1	1.1	14	6.8	2.1	100	0.05	0.10	
881440West	10	< 2	23	< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	176	< 0.4	0.5	< 0.1	< 1	0.2	< 5	0.4	0.2	< 30	< 0.01	< 0.01	
881441Harricana	425	10	120	13	< 2	< 0.5	< 0.2	30	< 0.5	140	589	1.1	3.4	19.0	2	4.9	11	5.9	2.7	60	0.05	0.10	
881442Harricana	32	2	17	17	< 2	< 0.5	< 0.2	56	< 0.5	51.5	56	1.3	1.0	12.9	< 1	6.0	22	1.9	15.4	< 30	0.18	0.38	
881443Harricana	48	< 2	16	31	< 2	< 0.5	< 0.2	66	< 0.5	47.8	125	2.6	1.5	30.9	< 1	4.9	13	1.1	6.9	70	0.75	1.62	
881444Harricana	29	< 2	28	43	< 2	< 0.5	< 0.2	41	< 0.5	44.5	45	1.3	2.8	60.3	< 1	5.3	13	1.3	5.5	40	0.53	1.15	
881445Harricana	18	< 2	29	28	< 2	< 0.5	< 0.2	41	< 0.5	38.4	24	1.0	2.8	35.5	< 1	4.2	15	1.6	7.5	< 30	0.13	0.28	
881446Harricana	18	< 2	26	29	< 2	< 0.5	< 0.2	49	< 0.5	38.3	26	0.9	2.5	29.9	< 1	3.8	16	1.7	7.8	< 30	0.23	0.50	2.73
881447Harricana	18	< 2	19	25	< 2	< 0.5	< 0.2	47	< 0.5	43.5	36	0.5	1.7	35.9	< 1	3.6	23	2.1	10.9	< 30	< 0.01	0.01	
881448Harricana	614	12	131	5	< 2	< 0.5	< 0.2	2	< 0.5	17.9	989	< 0.4	3.2	1.1	< 1	0.8	15	6.5	2.0	80	0.03	0.07	
881449Harricana	721	11	126	5	< 2	< 0.5	< 0.2	3	< 0.5	38.1	591	< 0.4	3.2	1.5	< 1	1.0	18	6.4	2.5	80	0.08	0.17	
881450Harricana	43	< 2	18	40	22	< 0.5	< 0.2	64	< 0.5	41.5	106	0.4	1.9	32.2	< 1	3.9	15	1.8	4.7	90	0.73	1.58	
881451Harricana	318	13	111	10	< 2	< 0.5	< 0.2	37	< 0.5	148	798	< 0.4	3.0	3.7	< 1	5.9	13	6.3	2.6	100	0.13	0.29	

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Ga	Ge	As	Rb
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	1	1	5	2
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
NIST 694 Meas	10.93	1.89	0.74	0.010	0.35	42.98	0.86	0.54	0.120	30.18					1615								
NIST 694 Cert	11.2	1.80	0.790	0.0116	0.330	43.6	0.860	0.510	0.110	30.2				1740									
DNC-1 Meas	47.29	18.61	9.76	0.140	10.06	11.48	1.89	0.22	0.490	0.08			31		152	280		250	90				
DNC-1 Cert	47.15	18.34	9.97	0.150	10.13	11.49	1.890	0.234	0.480	0.070			31		148	270		247	100				
GBW 07113 Meas	72.67	13.26	3.29	0.150	0.14	0.59	2.47	5.40	0.290	0.04			5	4	5								
GBW 07113 Cert	72.8	13.0	3.21	0.140	0.160	0.590	2.57	5.43	0.300	0.0500			5.00	4.00	5.00								
LKSD-3 Meas																90	28	50	40			26	71
LKSD-3 Cert																87.0	30.0	47.0	35.0			27.0	78.0
TDB-1 Meas																260		100	340				22
TDB-1 Cert																251		92	323				23
W-2a Meas	53.62	15.35	10.69	0.170	6.35	11.08	2.22	0.62	1.100	0.14			36	< 1	272	90	42	80	110	17	2	< 5	21
W-2a Cert	52.4	15.4	10.7	0.163	6.37	10.9	2.14	0.626	1.06	0.130			36.0	1.30	262	92.0	43.0	70.0	110	17.0	1.00	1.20	21.0
SY-4 Meas	50.05	20.63	6.16	0.110	0.51	8.07	6.95	1.68	0.290	0.14			1	3	8								
SY-4 Cert	49.9	20.69	6.21	0.108	0.54	8.05	7.10	1.66	0.287	0.131			1.1	2.6	8.0								
CTA-AC-1 Meas																							
CTA-AC-1 Cert																							
BIR-1a Meas	47.92	15.73	11.04	0.170	9.53	13.42	1.81	0.02	0.970	0.03			43	< 1	328	370	47	170	130	15		< 5	
BIR-1a Cert	47.96	15.50	11.30	0.175	9.700	13.30	1.82	0.030	0.96	0.021			44	0.58	310	370	52	170	125	16		0.44	
NCS DC86312 Meas																							
NCS DC86312 Cert																							
NCS DC70009 (GBW07241) Meas																		< 20	990	17	11	66	491
NCS DC70009 (GBW07241) Cert																		2.8	960	16.5	11.2	69.9	500
OREAS 100a (Fusion) Meas																	18		180				
OREAS 100a (Fusion) Cert																	18.1		169				
OREAS 101a (Fusion) Meas																	49		430				
OREAS 101a (Fusion) Cert																	48.8		434				
OREAS 101b (Fusion) Meas																	45		420				
OREAS 101b (Fusion) Cert																	47		416				
JR-1 Meas																		< 20		16	2	17	255
JR-1 Cert																		1.67		16.1	1.88	16.3	257
NCS DC86303 Meas																							
NCS DC86303 Cert																							
NCS DC86303 Meas																							
NCS DC86303 Cert																							
NCS DC86304 Meas																							
NCS DC86304 Cert																							
NCS DC86304 Meas																							
NCS DC86304 Cert																							
NCS DC86314 Meas																							
NCS DC86314 Cert																							
NCS DC86314 Meas																							

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Ga	Ge	As	Rb
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	1	1	5	2
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
NCS DC86314 Cert																							
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							
881421West Orig	69.37	19.45	1.00	0.049	0.03	0.21	4.71	3.57	0.005	0.15	1.38	99.91	< 1	112	< 5	< 20	< 1	< 20	< 10	53	2	< 5	963
881421West Dup	68.68	18.92	0.99	0.049	0.03	0.21	4.68	3.55	0.005	0.15	1.38	98.65	< 1	112	< 5	< 20	< 1	< 20	< 10	55	2	< 5	967
881436West Orig																							
881436West Dup																							
881438West Orig	74.95	15.44	0.56	0.038	0.10	0.34	5.39	2.68	0.003	0.27	0.83	100.6	< 1	153	< 5	40	< 1	< 20	< 10	38	3	< 5	813
881438West Dup	74.81	15.44	0.56	0.039	0.11	0.35	5.39	2.65	0.004	0.25	0.83	100.4	< 1	153	< 5	40	< 1	< 20	< 10	37	3	< 5	770
881446Harricana Orig																							
881446Harricana Dup																							
881451Harricana Orig																							
881451Harricana Dup																							
Method Blank																< 20	< 1	< 20	< 10	< 1	< 1	< 5	< 2
Method Blank																							

Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Zn	Li	Li2O	Spec Grav
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	30	0.01	0.01	0.01
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
NIST 694 Meas																							
NIST 694 Cert																							
DNC-1 Meas	140	16	36								106						6			70			
DNC-1 Cert	144.0	18.0	38								118						6.3			70			
GBW 07113 Meas	41	45	380								498												
GBW 07113 Cert	43.0	43.0	403								506												
LKSD-3 Meas					< 2	2.8				2.2			0.7					10.5	4.5	160			
LKSD-3 Cert					2.00	2.70				2.30			0.700					11.4	4.60	152			
TDB-1 Meas																				160			
TDB-1 Cert																				155			
W-2a Meas	194	22	95	8	< 2					0.9	175	< 0.4			< 1	< 0.1				80			
W-2a Cert	190	24.0	94.0	7.90	0.600					0.990	182	0.0300			0.300	0.200				80.0			
SY-4 Meas	1215	116	549								348												
SY-4 Cert	1191	119	517								340												
CTA-AC-1 Meas														2.5						22.6			
CTA-AC-1 Cert														2.65						21.8			
BIR-1a Meas	106	14	17								8		0.6										
BIR-1a Cert	110	16	18								6		0.60										
NCS DC86312 Meas																				24.7			
NCS DC86312 Cert																				23.6			
NCS DC70009 (GBW07241) Meas						1.7		1690	3.0	40.5					2050					29.0	110		
NCS DC70009 (GBW07241) Cert						1.8		1701	3.1	41					2200					28.3	100		
OREAS 100a (Fusion) Meas					23															51.4	134		
OREAS 100a (Fusion) Cert					24.1															51.6	135		
OREAS 101a (Fusion) Meas					20															34.7	409		
OREAS 101a (Fusion) Cert					21.9															36.6	422		
OREAS 101b (Fusion) Meas					20															36.5	387		
OREAS 101b (Fusion) Cert					20.9															37.1	396		
JR-1 Meas				16	3		< 0.2	3		19.1		0.6	4.1	1.8	2	1.4	20	26.1	8.6	< 30			
JR-1 Cert				15.2	3.25		0.028	2.86		20.8		0.56	4.51	1.86	1.59	1.56	19.3	26.7	8.88	30.6			
NCS DC86303 Meas																					0.21	0.46	
NCS DC86303 Cert																					0.21	0.460	
NCS DC86303 Meas																					0.11	0.24	
NCS DC86303 Cert																					0.21	0.460	
NCS DC86304 Meas																					1.07	2.30	
NCS DC86304 Cert																					1.06	2.29	
NCS DC86304 Meas																					1.08	2.32	
NCS DC86304 Cert																					1.06	2.29	
NCS DC86314 Meas																					1.77	3.81	
NCS DC86314 Cert																					1.81	3.89	
NCS DC86314 Meas																					1.81	3.90	

Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Zn	Li	Li2O	Spec Grav	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-	
Lower Limit	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	30	0.01	0.01	0.01	
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2	GRAV
NCS DC86314 Cert																						1.81	3.89	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							7.93	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							8	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							8.20	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							8	
881421West Orig	22	< 2	20	37	< 2	< 0.5	< 0.2	78	< 0.5	62.5	17	2.9	2.2	40.0	2	5.7	13	1.6	2.6	50	0.31	0.67		
881421West Dup	22	2	19	34	< 2	< 0.5	< 0.2	77	< 0.5	63.3	17	3.1	2.2	38.1	2	5.8	13	1.5	2.4	50	0.31	0.68		
881436West Orig																						0.12	0.25	
881436West Dup																						0.12	0.26	
881438West Orig	68	3	25	47	< 2	< 0.5	< 0.2	52	< 0.5	42.0	253	1.3	2.6	58.2	< 1	5.0	14	1.1	4.5	< 30				
881438West Dup	69	3	26	48	< 2	< 0.5	< 0.2	51	< 0.5	40.5	256	1.3	2.6	58.7	< 1	4.7	16	1.1	4.4	< 30				
881446Harricana Orig																								2.74
881446Harricana Dup																								2.72
881451Harricana Orig																						0.18	0.39	
881451Harricana Dup																						0.09	0.19	
Method Blank				< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5		< 0.4	< 0.2	< 0.1	< 1	< 0.1	< 5	< 0.1	< 0.1	< 30				
Method Blank																								0.99

Quality Analysis ...



Innovative Technologies

Date Submitted: 18-Oct-16
Invoice No.: A16-10871
Invoice Date: 22-Nov-16
Your Reference: Georgia Lake Lithium

Rock Tech Lithium Inc.
789 West Pender Street
Suite 1200
Vancouver BC V6C 1H6
Canada

ATTN: Julie Selway

CERTIFICATE OF ANALYSIS

65 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 4Litho-Pegmatite Special Major Elements Fusion ICP(WRA)/Trace Elements
Fusion ICP/MS(WRA4B2)

Code 8-Li (Sodium Peroxide Fusion) Sodium Peroxide Fusion

REPORT **A16-10871**

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Notes:

Total includes all elements in % oxide to the left of total.

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Eseme". The signature is stylized with a large, sweeping 'E' and 'S'.

Emmanuel Eseme, Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Date Submitted: 18-Oct-16
Invoice No.: A16-10871
Invoice Date: 22-Nov-16
Your Reference: Georgia Lake Lithium

Rock Tech Lithium Inc.
789 West Pender Street
Suite 1200
Vancouver BC V6C 1H6
Canada

ATTN: Julie Selway

CERTIFICATE OF ANALYSIS

65 Rock samples were submitted for analysis.

The following analytical package(s) were requested: Code Specific Gravity - Tbay Pulp

REPORT **A16-10871**

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Notes:

Total includes all elements in % oxide to the left of total.

CERTIFIED BY:



Emmanuel Esemé, Ph.D.
Quality Control

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Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
881452	74.57	15.04	0.80	0.031	0.09	0.38	6.06	2.75	0.016	0.21	0.60	100.6	< 1	192	< 5	30	< 1	< 20	< 10	60	32	3	< 5
881453	74.05	14.97	0.89	0.074	0.05	0.27	5.02	3.10	0.006	0.19	0.61	99.23	< 1	186	< 5	30	< 1	< 20	< 10	110	36	3	< 5
881454	73.70	15.61	0.90	0.070	0.03	0.26	4.40	3.07	0.002	0.21	0.70	98.94	< 1	163	< 5	30	< 1	< 20	< 10	60	38	3	< 5
881455	73.81	15.72	0.88	0.083	0.04	0.26	3.43	3.31	0.003	0.23	0.44	98.20	< 1	162	8	30	< 1	< 20	< 10	100	34	3	< 5
881456	75.13	16.25	0.95	0.107	0.03	0.25	3.61	2.19	0.002	0.22	0.47	99.21	< 1	169	< 5	30	< 1	< 20	< 10	70	37	3	< 5
881457	73.79	16.16	0.96	0.105	0.03	0.34	3.91	3.09	0.002	0.35	0.52	99.23	< 1	153	< 5	30	< 1	< 20	< 10	70	38	4	< 5
881458	76.49	16.01	1.13	0.093	0.04	0.29	3.38	2.46	0.003	0.28	0.61	100.8	< 1	167	< 5	30	< 1	< 20	< 10	80	42	3	< 5
881459	73.33	16.55	0.80	0.062	0.03	0.25	4.70	2.94	0.002	0.21	0.84	99.70	< 1	203	< 5	30	< 1	< 20	< 10	40	39	3	< 5
881460	96.04	0.74	1.34	0.014	0.03	0.05	0.07	0.07	0.027	< 0.01	0.55	98.92	< 1	< 1	< 5	< 20	< 1	< 20	< 10	< 30	1	< 1	< 5
881461	72.77	16.45	0.60	0.031	0.03	0.34	5.68	2.83	0.003	0.23	0.86	99.83	< 1	178	< 5	20	< 1	< 20	< 10	< 30	38	3	< 5
881462	75.50	14.77	0.78	0.057	0.03	0.26	4.32	2.80	0.002	0.17	0.63	99.32	< 1	159	< 5	30	< 1	< 20	< 10	60	34	3	< 5
881463	70.85	17.82	0.74	0.062	0.03	0.27	5.21	2.76	0.003	0.20	1.16	99.12	< 1	143	< 5	20	< 1	< 20	< 10	< 30	45	3	< 5
881464	73.06	15.86	0.73	0.071	0.03	0.27	5.06	2.77	0.002	0.20	0.67	98.72	< 1	174	< 5	30	< 1	< 20	< 10	40	34	3	< 5
881465	75.91	13.97	0.88	0.056	0.04	0.24	4.33	2.33	0.004	0.19	0.89	98.83	1	94	< 5	30	< 1	< 20	< 10	30	36	3	< 5
881466	75.00	14.94	0.82	0.067	0.03	0.22	4.64	3.01	0.003	0.18	0.84	99.75	< 1	86	< 5	30	< 1	< 20	< 10	30	36	3	< 5
881467	72.59	15.16	1.30	0.078	0.33	0.72	4.75	2.63	0.045	0.42	0.77	98.80	2	88	10	50	2	< 20	< 10	60	36	3	< 5
881468	62.99	15.40	6.37	0.105	4.00	4.63	3.37	1.83	0.552	0.19	1.08	100.5	15	2	112	280	23	70	40	90	18	1	< 5
881469	74.25	15.52	0.73	0.076	0.03	0.27	4.68	2.63	0.003	0.19	0.40	98.79	< 1	179	< 5	30	< 1	< 20	< 10	60	36	3	< 5
881470	86.32	7.99	1.65	0.047	0.05	0.16	1.71	1.29	0.035	0.08	0.11	99.44	< 1	75	< 5	30	1	< 20	30	50	20	2	< 5
881471	74.14	15.54	1.34	0.114	0.29	0.74	4.12	2.93	0.051	0.28	0.50	100.0	2	159	16	50	2	< 20	10	60	31	3	< 5
881472	62.19	14.37	7.35	0.124	3.63	5.35	2.88	1.57	0.639	0.19	1.08	99.37	17	3	134	390	28	80	100	80	19	2	< 5
881473	62.34	15.11	7.17	0.130	3.73	4.59	2.68	2.21	0.576	0.18	1.15	99.87	16	10	122	320	26	70	40	90	20	2	< 5
881474	73.26	16.07	0.79	0.080	0.04	0.58	4.51	3.45	0.004	0.29	0.42	99.50	< 1	81	< 5	20	< 1	< 20	< 10	100	37	4	< 5
881475	71.98	16.31	1.64	0.099	0.47	0.74	3.63	3.01	0.091	0.35	1.13	99.46	2	111	18	60	4	< 20	< 10	80	37	3	< 5
881476	61.89	16.44	5.83	0.121	3.05	3.36	3.30	2.76	0.520	0.40	1.24	98.90	14	20	102	220	22	80	20	90	22	2	< 5
881477	73.85	15.59	0.85	0.067	0.15	0.45	4.78	3.30	0.004	0.22	0.55	99.81	< 1	149	< 5	30	2	< 20	< 10	< 30	33	3	< 5
881478	63.41	16.32	6.32	0.106	3.09	2.80	3.63	2.45	0.574	0.25	1.16	100.1	14	9	113	220	22	70	30	80	20	2	< 5
881479	64.71	15.07	5.91	0.109	3.00	4.82	3.00	1.56	0.517	0.14	0.97	99.81	13	2	103	250	21	70	50	80	19	2	< 5
881480	96.54	0.73	1.24	0.013	0.06	0.05	0.07	0.08	0.052	< 0.01	0.51	99.34	< 1	< 1	9	< 20	< 1	< 20	< 10	< 30	1	< 1	< 5
881481	78.02	13.64	0.78	0.052	0.07	0.31	3.87	2.47	0.013	0.12	0.60	99.93	< 1	150	< 5	40	< 1	< 20	< 10	80	29	3	< 5
881482	74.10	15.19	0.54	0.034	0.03	0.25	4.91	2.66	0.003	0.17	0.85	98.74	< 1	188	< 5	30	< 1	< 20	< 10	40	33	3	< 5
881483	75.14	15.09	0.81	0.161	0.02	0.18	4.28	2.34	0.002	0.14	0.81	98.96	< 1	217	< 5	30	< 1	< 20	< 10	80	35	3	< 5
881484	75.06	16.25	0.83	0.077	0.03	0.18	3.86	2.24	0.002	0.15	0.65	99.32	< 1	194	< 5	30	< 1	< 20	< 10	60	38	3	< 5
881485	70.66	17.42	0.70	0.048	0.08	0.43	5.77	2.75	0.011	0.22	1.03	99.11	< 1	216	< 5	20	< 1	< 20	< 10	30	39	3	< 5
881486	71.99	17.47	0.69	0.052	0.08	0.47	5.69	2.50	0.011	0.24	1.05	100.2	< 1	205	< 5	20	< 1	< 20	< 10	< 30	39	3	< 5
881487	63.78	16.00	5.74	0.120	3.18	5.07	3.36	1.43	0.529	0.15	1.09	100.5	13	4	100	240	20	70	30	80	19	2	< 5
881488	64.05	14.66	6.31	0.094	3.53	4.43	3.08	1.93	0.553	0.15	1.06	99.85	15	2	112	310	23	70	50	80	18	1	< 5
881489	77.20	13.22	0.58	0.021	0.03	0.44	5.60	1.65	0.003	0.21	0.48	99.41	< 1	56	< 5	30	< 1	< 20	< 10	80	29	3	< 5
881490	73.78	15.28	3.15	0.092	0.07	0.28	3.54	2.43	0.004	0.16	0.04	98.82	< 1	148	< 5	40	1	30	50	100	40	3	< 5
881491	75.83	14.99	0.66	0.068	0.02	0.26	5.39	2.40	0.003	0.18	0.57	100.4	< 1	144	< 5	30	< 1	< 20	< 10	120	37	3	< 5
881492	74.83	16.68	0.92	0.094	0.02	0.22	4.19	2.57	0.002	0.25	0.45	100.2	< 1	159	< 5	30	< 1	< 20	< 10	60	39	4	< 5

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
881493	75.67	15.87	0.90	0.079	0.03	0.24	4.02	1.96	0.002	0.22	0.44	99.43	< 1	133	< 5	30	< 1	< 20	< 10	70	40	4	< 5
881494	74.79	15.45	1.24	0.098	0.01	0.26	3.23	2.90	0.002	0.26	0.53	98.77	< 1	129	< 5	40	< 1	< 20	< 10	80	40	3	< 5
881495	75.31	15.02	0.78	0.081	0.03	0.21	4.47	2.63	0.002	0.17	0.54	99.25	< 1	161	< 5	40	< 1	< 20	< 10	< 30	35	3	< 5
881496	71.72	16.20	0.86	0.055	0.13	0.74	4.82	2.82	0.025	0.54	0.94	98.83	< 1	115	5	20	< 1	< 20	< 10	40	38	3	< 5
881497	64.31	15.10	6.03	0.110	3.10	4.41	3.30	1.79	0.532	0.24	1.00	99.93	15	10	106	260	20	60	50	70	20	2	< 5
881498	65.37	13.93	7.03	0.117	3.10	3.61	2.71	1.96	0.606	0.13	1.19	99.75	15	2	116	200	18	50	40	80	17	1	< 5
881499	74.81	16.09	0.92	0.093	0.03	0.22	3.89	2.31	0.003	0.19	0.47	99.01	< 1	130	< 5	30	< 1	< 20	< 10	50	43	4	< 5
881500	97.58	0.64	1.44	0.014	0.03	0.05	0.07	0.06	0.027	< 0.01	0.29	100.2	< 1	< 1	< 5	< 20	< 1	< 20	< 10	< 30	1	1	< 5
179501	75.20	15.96	1.15	0.090	0.08	0.22	3.70	2.19	0.002	0.19	0.57	99.35	< 1	163	< 5	20	< 1	< 20	< 10	50	42	3	< 5
179502	80.24	12.29	0.69	0.021	0.02	0.15	3.15	3.36	0.004	0.05	0.66	100.6	< 1	133	< 5	30	< 1	< 20	< 10	< 30	27	2	< 5
179503	77.72	13.22	0.64	0.014	0.01	0.11	3.22	5.02	0.002	0.08	0.45	100.5	< 1	60	< 5	30	< 1	< 20	< 10	< 30	24	3	< 5
179504	62.56	15.63	7.07	0.131	2.70	3.94	2.81	2.19	0.656	0.13	1.24	99.08	18	2	135	170	23	70	50	90	19	1	< 5
179505	60.91	16.54	6.05	0.128	3.39	4.46	2.06	3.21	0.491	0.27	1.87	99.38	13	19	111	160	19	60	50	80	27	2	< 5
179506	54.16	19.43	7.86	0.169	4.47	4.10	2.38	4.31	0.692	0.23	2.02	99.83	19	16	131	220	27	90	70	90	28	2	< 5
179507	73.02	16.49	0.83	0.051	0.08	0.30	5.23	3.24	0.009	0.21	0.82	100.3	< 1	172	6	30	1	< 20	< 10	< 30	36	4	< 5
179508	61.96	17.10	6.30	0.082	3.47	2.57	3.54	3.37	0.582	0.18	1.13	100.3	15	4	107	240	23	70	20	80	20	1	< 5
179509	63.52	16.37	5.97	0.085	3.16	2.60	3.74	2.93	0.529	0.18	1.16	100.3	14	7	97	220	20	70	20	60	19	1	< 5
179510	85.85	8.12	1.65	0.048	0.05	0.16	1.76	1.33	0.033	0.09	0.10	99.18	< 1	76	< 5	30	< 1	< 20	30	50	20	2	< 5
179511	75.14	16.07	1.13	0.088	0.05	0.30	3.76	2.49	0.005	0.25	0.44	99.74	< 1	120	7	40	1	< 20	< 10	30	40	3	< 5
179512	72.85	16.06	0.95	0.063	0.09	0.36	4.63	2.98	0.010	0.22	0.54	98.77	< 1	116	< 5	20	1	< 20	< 10	< 30	36	3	< 5
179513	62.19	16.16	6.75	0.110	3.59	4.09	3.28	2.57	0.603	0.19	1.10	100.6	17	3	121	280	24	80	60	90	21	1	< 5
179514	64.77	15.38	5.53	0.116	2.95	4.59	3.68	1.63	0.486	0.20	0.89	100.2	14	22	100	250	18	60	40	80	20	2	< 5
179515	76.05	15.64	0.97	0.079	0.05	0.24	4.60	2.65	0.004	0.17	0.44	100.9	< 1	113	6	30	< 1	< 20	< 10	70	38	3	< 5
179516	62.90	14.49	6.38	0.111	3.61	5.54	3.24	1.50	0.572	0.15	0.95	99.45	17	2	121	320	22	70	50	80	18	2	< 5

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	Spec Grav
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2	GRAV
881452	676	39	< 2	13	37	< 2	< 0.5	< 0.2	42	< 0.5	40.2	40	0.8	1.4	44.6	1	4.3	10	1.2	7.8	0.01	0.03	
881453	831	27	3	10	31	< 2	< 0.5	< 0.2	59	< 0.5	48.1	30	1.0	1.3	32.3	< 1	5.3	12	1.3	11.4	0.19	0.41	
881454	887	26	3	15	21	< 2	< 0.5	< 0.2	64	< 0.5	49.7	34	3.5	1.5	22.7	1	6.1	16	1.2	5.6	0.32	0.70	
881455	1080	30	< 2	24	32	< 2	< 0.5	< 0.2	58	< 0.5	60.5	24	1.3	1.6	45.4	1	7.3	12	1.0	5.6	0.66	1.41	
881456	726	22	< 2	12	36	< 2	< 0.5	< 0.2	64	< 0.5	44.9	45	0.8	1.8	65.6	1	5.5	9	1.5	3.5	0.80	1.72	
881457	935	29	< 2	14	20	< 2	< 0.5	< 0.2	63	< 0.5	54.1	17	3.2	1.5	22.8	1	6.9	13	1.1	5.5	0.57	1.22	
881458	670	25	2	18	23	< 2	< 0.5	< 0.2	79	< 0.5	43.7	21	5.7	1.1	22.4	< 1	4.2	10	1.0	4.5	0.75	1.61	
881459	832	23	2	12	29	< 2	< 0.5	< 0.2	69	< 0.5	50.7	20	5.5	1.1	26.1	2	5.4	11	1.4	4.2	0.20	0.43	
881460	4	11	2	21	< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	214	< 0.4	0.6	0.2	< 1	0.4	< 5	0.5	0.2	< 0.01	< 0.01	
881461	770	25	< 2	24	37	< 2	< 0.5	< 0.2	57	< 0.5	40.0	32	1.5	3.1	71.0	2	4.5	9	2.2	6.0	0.04	0.08	2.72
881462	716	21	< 2	5	21	< 2	< 0.5	< 0.2	48	< 0.5	35.9	31	1.4	0.9	34.3	1	4.9	6	0.7	2.2	0.28	0.60	
881463	778	22	2	26	42	< 2	< 0.5	< 0.2	84	< 0.5	48.0	27	0.9	3.4	71.5	2	4.6	9	1.7	5.7	0.17	0.36	
881464	708	23	3	17	30	< 2	< 0.5	< 0.2	53	< 0.5	45.0	28	2.7	1.9	48.5	1	4.8	12	1.6	4.6	0.20	0.43	
881465	561	21	2	7	13	< 2	< 0.5	< 0.2	61	< 0.5	34.7	18	4.9	0.9	13.8	2	3.4	6	1.0	6.5	0.02	0.05	
881466	695	22	2	9	15	< 2	< 0.5	< 0.2	57	< 0.5	38.8	19	7.7	0.9	14.9	2	4.4	10	1.0	5.9	0.03	0.07	
881467	589	66	3	19	11	< 2	< 0.5	< 0.2	63	< 0.5	49.1	99	3.7	1.3	14.2	2	3.8	11	1.3	5.9	0.30	0.64	
881468	111	677	11	126	5	< 2	< 0.5	< 0.2	2	< 0.5	40.0	517	< 0.4	3.0	0.7	< 1	1.1	11	6.7	1.9	0.08	0.18	
881469	855	36	2	18	38	< 2	< 0.5	< 0.2	65	< 0.5	58.0	37	2.1	2.3	77.4	1	5.9	9	1.2	5.1	0.47	1.01	
881470	332	23	3	58	17	12	< 0.5	< 0.2	37	< 0.5	20.4	61	0.5	2.0	15.7	2	2.3	< 5	2.0	2.4	0.37	0.79	
881471	617	90	4	36	31	< 2	< 0.5	< 0.2	43	< 0.5	43.6	105	2.1	2.1	49.4	< 1	4.1	15	1.8	4.1	0.47	1.02	2.69
881472	123	650	11	199	6	< 2	< 0.5	< 0.2	4	< 0.5	55.1	571	< 0.4	4.9	1.0	1	1.2	23	8.6	4.2	0.08	0.18	
881473	208	638	10	151	6	< 2	< 0.5	< 0.2	7	< 0.5	76.5	557	< 0.4	3.8	1.5	1	1.8	11	7.0	1.9	0.11	0.24	
881474	930	94	< 2	17	28	< 2	< 0.5	< 0.2	59	< 0.5	54.9	115	2.0	1.8	44.3	1	6.6	21	1.2	9.4	0.37	0.80	
881475	885	69	4	39	32	< 2	< 0.5	< 0.2	89	< 0.5	76.1	151	3.2	2.6	44.5	4	6.0	11	2.3	5.2	0.36	0.77	
881476	913	454	9	116	9	< 2	< 0.5	< 0.2	40	< 0.5	267	941	< 0.4	3.4	5.7	2	8.2	18	6.7	2.1	0.16	0.34	
881477	817	89	2	15	27	12	< 0.5	< 0.2	35	< 0.5	32.8	445	8.6	2.0	46.6	< 1	5.7	10	1.0	5.2	0.28	0.61	
881478	359	434	10	122	8	< 2	< 0.5	< 0.2	18	< 0.5	170	865	< 0.4	3.2	2.2	< 1	3.3	11	6.9	2.5	0.12	0.25	
881479	140	580	11	121	5	< 2	< 0.5	< 0.2	3	< 0.5	45.5	617	< 0.4	3.2	0.6	1	1.5	11	7.0	2.6	0.09	0.19	
881480	4	13	< 2	71	< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	0.5	182	< 0.4	1.8	0.1	< 1	0.2	< 5	0.7	0.3	< 0.01	< 0.01	
881481	620	39	2	9	33	< 2	< 0.5	< 0.2	44	< 0.5	35.0	61	1.0	1.4	55.5	2	3.8	6	1.0	2.3	0.21	0.45	2.73
881482	654	28	< 2	20	62	< 2	< 0.5	< 0.2	49	< 0.5	40.7	16	1.3	3.4	135	2	4.3	10	2.1	4.7	0.04	0.08	
881483	644	24	< 2	32	71	4	< 0.5	< 0.2	59	< 0.5	46.0	19	0.8	5.5	154	2	4.2	13	3.2	5.8	0.26	0.57	
881484	642	20	< 2	12	40	26	< 0.5	< 0.2	71	< 0.5	46.6	19	1.0	1.8	63.6	2	4.4	9	1.5	6.4	0.66	1.43	
881485	690	46	3	26	38	< 2	< 0.5	< 0.2	63	< 0.5	44.0	45	0.6	3.2	52.8	2	4.3	11	1.7	3.1	0.13	0.29	
881486	646	44	2	25	36	< 2	< 0.5	< 0.2	63	< 0.5	40.3	44	0.8	2.8	53.9	2	4.1	11	1.6	2.9	0.16	0.35	
881487	282	695	10	127	6	< 2	< 0.5	< 0.2	8	< 0.5	66.8	541	< 0.4	3.2	0.7	< 1	2.9	17	7.1	2.4	0.09	0.20	
881488	107	717	11	148	5	< 2	< 0.5	< 0.2	2	< 0.5	31.8	575	< 0.4	3.6	0.5	< 1	1.1	11	7.5	2.4	0.07	0.16	
881489	400	83	2	6	21	< 2	< 0.5	< 0.2	30	< 0.5	27.8	83	0.4	0.9	32.5	< 1	2.3	12	0.9	2.6	< 0.01	0.01	
881490	675	44	2	14	41	23	< 0.5	< 0.2	84	< 0.5	41.7	104	0.5	1.8	32.4	2	4.2	15	1.7	4.5	0.73	1.57	
881491	689	32	2	11	38	< 2	< 0.5	< 0.2	63	< 0.5	57.0	26	0.6	1.4	41.3	1	4.3	9	1.1	5.3	0.20	0.44	2.66
881492	891	23	< 2	15	37	< 2	< 0.5	< 0.2	76	< 0.5	61.0	13	1.1	1.9	39.5	< 1	6.2	14	1.0	5.8	0.60	1.29	

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	Spec Grav
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2	GRAV
881493	690	28	2	13	28	< 2	< 0.5	< 0.2	77	< 0.5	48.8	26	1.5	1.7	29.3	< 1	4.9	11	1.1	6.2	0.67	1.44	
881494	787	25	< 2	10	15	< 2	< 0.5	< 0.2	75	< 0.5	46.9	23	4.1	1.2	15.4	< 1	5.5	13	0.8	7.9	0.68	1.46	
881495	701	22	< 2	9	19	< 2	< 0.5	< 0.2	59	< 0.5	45.0	40	0.7	1.1	18.7	1	4.6	14	0.9	4.8	0.28	0.59	
881496	757	88	2	24	22	< 2	< 0.5	< 0.2	99	< 0.5	59.7	131	1.0	1.9	28.0	3	4.7	8	0.8	4.4	0.24	0.51	
881497	261	580	10	121	9	< 2	< 0.5	< 0.2	13	< 0.5	95.7	521	1.8	3.3	8.0	1	2.4	10	6.9	2.4	0.05	0.11	
881498	265	486	12	166	6	< 2	< 0.5	< 0.2	6	< 0.5	132	404	< 0.4	4.3	0.6	< 1	2.4	10	9.2	2.6	0.08	0.16	
881499	736	30	2	18	40	< 2	< 0.5	< 0.2	97	< 0.5	57.2	39	1.0	2.2	42.4	< 1	4.9	11	1.4	6.2	0.72	1.56	
881500	3	7	2	18	< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	118	< 0.4	0.6	< 0.1	< 1	< 0.1	< 5	0.4	0.2	< 0.01	< 0.01	
179501	511	32	2	6	10	< 2	< 0.5	< 0.2	77	< 0.5	40.2	94	3.3	1.0	9.7	1	2.7	15	1.0	7.7	0.67	1.45	2.72
179502	699	26	< 2	< 4	11	< 2	< 0.5	< 0.2	41	< 0.5	34.2	76	2.0	0.5	12.7	2	4.0	8	0.5	1.0	< 0.01	0.01	
179503	1030	27	< 2	5	7	< 2	< 0.5	< 0.2	25	< 0.5	49.4	84	0.6	0.4	9.3	2	6.6	11	0.3	0.9	< 0.01	0.01	
179504	140	427	13	133	6	< 2	< 0.5	< 0.2	3	< 0.5	41.7	630	< 0.4	3.5	0.5	1	1.2	14	7.7	2.4	0.07	0.14	
179505	323	376	11	106	9	< 2	< 0.5	< 0.2	19	< 0.5	71.1	1243	0.8	2.8	3.1	418	2.1	14	6.9	3.1	0.08	0.16	
179506	410	407	12	153	12	< 2	< 0.5	< 0.2	18	< 0.5	96.5	1758	0.6	4.1	3.4	92	2.8	15	9.9	3.9	0.10	0.22	
179507	655	38	< 2	14	16	< 2	< 0.5	< 0.2	67	< 0.5	48.6	71	0.7	0.9	16.7	2	3.4	9	0.9	5.1	0.03	0.06	
179508	156	448	10	142	6	< 2	< 0.5	< 0.2	4	< 0.5	70.7	1122	< 0.4	3.8	2.0	2	1.3	18	8.0	1.8	0.10	0.21	
179509	161	455	10	124	6	< 2	< 0.5	< 0.2	7	< 0.5	38.7	889	0.4	3.1	1.7	2	1.2	16	7.3	2.5	0.08	0.16	
179510	324	24	4	57	18	11	< 0.5	< 0.2	36	< 0.5	19.8	63	< 0.4	1.9	15.0	2	1.9	9	2.3	2.5	0.37	0.79	
179511	658	34	4	17	25	< 2	< 0.5	< 0.2	84	< 0.5	59.1	50	2.3	1.2	30.5	< 1	4.0	16	1.1	5.0	0.78	1.67	2.77
179512	725	44	3	10	12	< 2	< 0.5	< 0.2	60	< 0.5	59.2	97	1.9	1.2	11.8	1	5.1	16	1.1	3.9	0.53	1.13	
179513	130	489	12	147	6	< 2	< 0.5	< 0.2	3	< 0.5	37.5	862	< 0.4	3.7	0.6	< 1	1.1	14	7.8	2.3	0.08	0.17	
179514	181	734	10	124	9	< 2	< 0.5	< 0.2	14	< 0.5	41.1	461	< 0.4	3.3	4.6	1	1.5	19	6.4	3.5	0.05	0.10	
179515	685	31	< 2	16	14	< 2	< 0.5	< 0.2	77	< 0.5	38.8	27	0.9	1.2	13.2	1	4.2	12	0.9	3.7	0.48	1.02	
179516	82	792	11	159	5	< 2	< 0.5	< 0.2	1	< 0.5	16.4	500	< 0.4	3.9	0.5	< 1	0.8	15	7.5	2.3	0.05	0.12	

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
NIST 694 Meas	11.18	1.90	0.73	0.012	0.34	42.61	0.85	0.55	0.118	30.21					1605								
NIST 694 Cert	11.2	1.80	0.790	0.0116	0.330	43.6	0.860	0.510	0.110	30.2					1740								
DNC-1 Meas	47.04	18.17	9.79	0.146	10.08	11.52	1.87	0.22	0.476	0.06			31		153	280	57	250	100	70	15		
DNC-1 Cert	47.15	18.34	9.97	0.150	10.13	11.49	1.890	0.234	0.480	0.070			31		148	270	57	247	100	70	15		
GBW 07113 Meas	71.65	12.80	3.13	0.140	0.14	0.60	2.46	5.40	0.270	0.05			5	4	7								
GBW 07113 Cert	72.8	13.0	3.21	0.140	0.160	0.590	2.57	5.43	0.300	0.0500			5.00	4.00	5.00								
GBW 07113 Meas	70.44	12.71	3.19	0.145	0.14	0.60	2.41	5.35	0.281	0.04			5	4	< 5								
GBW 07113 Cert	72.8	13.0	3.21	0.140	0.160	0.590	2.57	5.43	0.300	0.0500			5.00	4.00	5.00								
LKSD-3 Meas																90	30	50	30				29
LKSD-3 Cert																87.0	30.0	47.0	35.0				27.0
TDB-1 Meas																270		90	340	160			
TDB-1 Cert																251		92	323	155			
W-2a Meas	53.40	15.11	10.80	0.163	6.29	11.10	2.22	0.62	1.073	0.13			36	< 1	272	100	43	70	110	80	18	1	< 5
W-2a Cert	52.4	15.4	10.7	0.163	6.37	10.9	2.14	0.626	1.06	0.130			36.0	1.30	262	92.0	43.0	70.0	110	80.0	17.0	1.00	1.20
SY-4 Meas	50.36	20.68	6.15	0.107	0.50	8.14	6.97	1.69	0.287	0.12			< 1	3	7								
SY-4 Cert	49.9	20.69	6.21	0.108	0.54	8.05	7.10	1.66	0.287	0.131			1.1	2.6	8.0								
CTA-AC-1 Meas																	3						
CTA-AC-1 Cert																	2.72						
BIR-1a Meas	47.62	15.70	11.57	0.172	9.57	13.61	1.81	0.02	0.985	0.01			43	< 1	329	380	50	180	120	70	16		
BIR-1a Cert	47.96	15.50	11.30	0.175	9.700	13.30	1.82	0.030	0.96	0.021			44	0.58	310	370	52	170	125	70	16		
NCS DC86312 Meas																							
NCS DC86312 Cert																							
ZW-C Meas																				960	93		
ZW-C Cert																				1050.00	99		
NCS DC70009 (GBW07241) Meas																			1000	100	17	11	72
NCS DC70009 (GBW07241) Cert																			960	100	16.5	11.2	69.9
OREAS 100a (Fusion) Meas																	17		180				
OREAS 100a (Fusion) Cert																	18.1		169				
OREAS 101a (Fusion) Meas																	47		430				
OREAS 101a (Fusion) Cert																	48.8		434				
OREAS 101b (Fusion) Meas																	46		420				
OREAS 101b																	47		416				

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
(Fusion) Cert																							
JR-1 Meas																< 20		< 20		30	16	2	19
JR-1 Cert																2.83		1.67		30.6	16.1	1.88	16.3
NCS DC86303 Meas																							
NCS DC86303 Cert																							
NCS DC86303 Meas																							
NCS DC86303 Cert																							
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NCS DC86314 Cert																							
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							
Lithium Tetraborate FX-LT 100 lot#220610B																							

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Cert																							
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							
881458 Orig																							
881458 Dup																							
881466 Orig	75.55	14.82	0.83	0.068	0.03	0.22	4.65	3.04	0.003	0.19	0.84	100.2	< 1	86	< 5	30	< 1	< 20	< 10	30	36	3	< 5
881466 Dup	74.45	15.05	0.82	0.066	0.03	0.22	4.63	2.99	0.003	0.17	0.84	99.26	1	86	< 5	30	< 1	< 20	< 10	30	36	3	< 5
881480 Orig																							
881480 Dup																							
881483 Orig	75.18	15.17	0.80	0.165	0.02	0.18	4.18	2.34	0.002	0.14	0.81	98.97	< 1	217	< 5	30	< 1	< 20	< 10	80	35	3	< 5
881483 Dup	75.10	15.02	0.81	0.157	0.02	0.18	4.37	2.35	0.002	0.14	0.81	98.96	< 1	216	< 5	30	< 1	< 20	< 10	80	35	3	< 5
881488 Orig																							
881488 Dup																							
179501 Orig	75.20	15.96	1.15	0.090	0.08	0.22	3.70	2.19	0.002	0.19	0.57	99.35	< 1	163	< 5	20	< 1	< 20	< 10	50	42	3	< 5
179501 Split PREP DUP	74.76	15.54	1.17	0.078	0.09	0.22	3.84	2.20	0.003	0.19	0.62	98.70	< 1	181	< 5	20	< 1	< 20	< 10	40	43	3	< 5
179502 Orig																							
179502 Dup																							
179510 Orig																							
179510 Dup																							
179511 Orig																							
179511 Dup																							
179514 Orig	64.68	15.37	5.54	0.116	2.94	4.60	3.67	1.62	0.487	0.20	0.89	100.1	14	22	99	250	18	60	40	80	20	2	< 5
179514 Dup	64.85	15.39	5.52	0.116	2.96	4.59	3.69	1.64	0.485	0.21	0.89	100.3	14	22	101	250	17	60	40	80	20	2	< 5
Method Blank																< 20	< 1	< 20	< 10	< 30	< 1	< 1	< 5
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	Spec Grav
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2	GRAV
NIST 694 Meas																							
NIST 694 Cert																							
DNC-1 Meas		140	15	35						1.0		106						7					
DNC-1 Cert		144.0	18.0	38						0.96		118						6.3					
GBW 07113 Meas		41	43	381								499											
GBW 07113 Cert		43.0	43.0	403								506											
GBW 07113 Meas		39	43	382								489											
GBW 07113 Cert		43.0	43.0	403								506											
LKSD-3 Meas	76					< 2	2.7		2	1.2	2.3			4.6	0.7	< 1			11.8	4.7			
LKSD-3 Cert	78.0					2.00	2.70		3.00	1.30	2.30			4.80	0.700	2.00			11.4	4.60			
TDB-1 Meas																							
TDB-1 Cert																							
W-2a Meas	19	192	17	86	7	< 2						175	< 0.4			< 1	< 0.1		2.2	0.5			
W-2a Cert	21.0	190	24.0	94.0	7.90	0.600						182	0.0300			0.300	0.200		2.40	0.530			
SY-4 Meas		1220	111	547								350											
SY-4 Cert		1191	119	517								340											
CTA-AC-1 Meas															2.5					4.6			
CTA-AC-1 Cert															2.65					4.4			
BIR-1a Meas		108	15	15								8		0.6				< 5					
BIR-1a Cert		110	16	18								6		0.60				3					
NCS DC86312 Meas																				25.8			
NCS DC86312 Cert																				23.6			
ZW-C Meas	8620								1310		259				82.6	327	33.8						
ZW-C Cert	8500								1300		260				82	320	34						
NCS DC70009 (GBW07241) Meas	541							2.0	1680		43.6					2100				28.5			
NCS DC70009 (GBW07241) Cert	500							1.3	1701		41					2200				28.3			
OREAS 100a (Fusion) Meas						25														52.9	148		
OREAS 100a (Fusion) Cert						24.1														51.6	135		
OREAS 101a (Fusion) Meas						21														36.0	457		
OREAS 101a (Fusion) Cert						21.9														36.6	422		
OREAS 101b (Fusion) Meas						20														38.1	418		
OREAS 101b (Fusion) Cert						20.9														37.1	396		

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	Spec Grav
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2	GRAV
JR-1 Meas	265				16	3		< 0.2	3	1.2	20.8		0.5	4.4	1.8	2	1.5	20	26.4	9.6			
JR-1 Cert	257				15.2	3.25		0.028	2.86	1.19	20.8		0.56	4.51	1.86	1.59	1.56	19.3	26.7	8.88			
NCS DC86303 Meas																					0.22	0.47	
NCS DC86303 Cert																					0.21	0.460	
NCS DC86303 Meas																					0.21	0.45	
NCS DC86303 Cert																					0.21	0.460	
NCS DC86303 Meas																					0.21	0.45	
NCS DC86303 Cert																					0.21	0.460	
NCS DC86304 Meas																					1.10	2.36	
NCS DC86304 Cert																					1.06	2.29	
NCS DC86304 Meas																					1.06	2.29	
NCS DC86304 Cert																					1.06	2.29	
NCS DC86304 Meas																					1.07	2.30	
NCS DC86304 Cert																					1.06	2.29	
NCS DC86314 Meas																					1.80	3.88	
NCS DC86314 Cert																					1.81	3.89	
NCS DC86314 Meas																					1.77	3.81	
NCS DC86314 Cert																					1.81	3.89	
NCS DC86314 Meas																					1.76	3.79	
NCS DC86314 Cert																					1.81	3.89	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																					8.38		
Lithium Tetraborate FX-LT 100 lot#220610B Cert																					8		

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	Spec Grav
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2	GRAV
Lithium Tetraborate FX-LT 100 lot#220610B Meas																					7.85		
Lithium Tetraborate FX-LT 100 lot#220610B Cert																					8		
Lithium Tetraborate FX-LT 100 lot#220610B Meas																					8.03		
Lithium Tetraborate FX-LT 100 lot#220610B Cert																					8		
881458 Orig																					0.75	1.61	
881458 Dup																					0.75	1.60	
881466 Orig	700	22	2	10	15	< 2	< 0.5	< 0.2	57	< 0.5	38.9	20	7.2	0.8	14.7	2	4.4	9	1.0	5.9	0.03	0.07	
881466 Dup	689	22	2	9	14	< 2	< 0.5	< 0.2	56	< 0.5	38.8	19	8.2	0.9	15.2	2	4.4	10	1.0	6.0	0.03	0.06	
881480 Orig																					< 0.01	< 0.01	
881480 Dup																					< 0.01	< 0.01	
881483 Orig	645	24	< 2	31	69	3	< 0.5	< 0.2	60	< 0.5	46.2	19	0.8	5.2	155	1	4.2	13	3.1	5.7			
881483 Dup	643	25	2	33	72	4	< 0.5	< 0.2	58	< 0.5	45.7	19	0.7	5.8	153	2	4.2	13	3.2	5.9			
881488 Orig																					0.07	0.16	
881488 Dup																					0.07	0.16	
179501 Orig	511	32	2	6	10	< 2	< 0.5	< 0.2	77	< 0.5	40.2	94	3.3	1.0	9.7	1	2.7	15	1.0	7.7	0.67	1.45	
179501 Split PREP DUP	503	31	2	6	8	< 2	< 0.5	< 0.2	74	< 0.5	41.3	99	3.6	0.7	6.6	< 1	2.9	14	1.1	7.4	0.63	1.36	
179502 Orig																					< 0.01	0.01	
179502 Dup																					< 0.01	0.01	
179510 Orig																					0.37	0.79	
179510 Dup																					0.37	0.80	
179511 Orig																							2.78
179511 Dup																							2.76
179514 Orig	183	730	10	122	8	< 2	< 0.5	< 0.2	13	< 0.5	40.6	458	< 0.4	3.3	4.5	1	1.4	18	6.5	3.5			
179514 Dup	178	738	10	127	9	< 2	< 0.5	< 0.2	14	< 0.5	41.6	464	< 0.4	3.4	4.7	1	1.5	19	6.4	3.4			
Method Blank	< 2				< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5		< 0.4	< 0.2	< 0.1	< 1	< 0.1	< 5	< 0.1	< 0.1			
Method Blank																					< 0.01	< 0.01	
Method Blank																					< 0.01	< 0.01	
Method Blank																					< 0.01	< 0.01	
Method Blank																							< 0.01



Date Submitted: 14-Nov-16
Invoice No.: A16-12135
Invoice Date: 16-Dec-16
Your Reference:

Rock Tech Lithium Inc.
789 West Pender Street
Suite 1200
Vancouver BC V6C 1H6
Canada

ATTN: Julie Selway

CERTIFICATE OF ANALYSIS

34 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 4Litho-Pegmatite Special Major Elements Fusion ICP(WRA)/Trace Elements
Fusion ICP/MS(WRA4B2)

Code 8-Li (Sodium Peroxide Fusion) Sodium Peroxide Fusion

REPORT **A16-12135**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Total includes all elements in % oxide to the left of total.

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written in a cursive style with some loops and flourishes.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Date Submitted: 14-Nov-16
Invoice No.: A16-12135
Invoice Date: 16-Dec-16
Your Reference:

**Rock Tech Lithium Inc.
789 West Pender Street
Suite 1200
Vancouver BC V6C 1H6
Canada**

ATTN: Julie Selway

CERTIFICATE OF ANALYSIS

34 Rock samples were submitted for analysis.

The following analytical package(s) were requested: Code Specific Gravity - Tbay Pulp

REPORT **A16-12135**

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Notes:

Total includes all elements in % oxide to the left of total.

CERTIFIED BY:



Emmanuel Esemé , Ph.D.
Quality Control

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E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Results

Activation Laboratories Ltd.

Report: A16-12135

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
179517	58.61	16.91	8.97	0.125	4.60	2.68	2.93	3.28	0.751	0.19	1.60	100.6	24	4	163	230	32	100	90	110	20	1	< 5
179518	71.56	17.63	0.84	0.050	0.12	0.34	5.79	1.90	0.009	0.22	1.08	99.53	< 1	199	< 5	30	< 1	< 20	< 10	70	45	3	< 5
179519	60.09	15.95	8.50	0.124	4.27	2.68	2.85	3.13	0.729	0.20	1.46	99.99	23	5	149	220	30	90	100	100	19	2	< 5
179520	94.68	0.94	4.21	0.037	0.03	0.05	0.10	0.10	0.046	< 0.01	-0.27	99.92	< 1	< 1	6	< 20	2	< 20	< 10	< 30	2	< 1	< 5
179521	68.44	15.89	2.83	0.075	1.33	1.54	5.29	2.24	0.215	0.77	1.37	99.98	7	122	48	80	10	30	20	60	30	3	< 5
179522	61.87	14.93	7.15	0.155	3.68	2.86	2.37	3.19	0.640	0.21	1.87	98.94	19	13	131	210	26	80	70	230	20	2	< 5
179523	74.58	14.96	0.79	0.031	0.16	0.42	5.20	2.18	0.008	0.19	0.80	99.34	< 1	140	< 5	40	< 1	< 20	< 10	50	35	4	< 5
179524	64.54	15.81	6.11	0.123	3.06	2.32	3.62	2.23	0.542	0.18	1.75	100.3	15	12	109	220	20	60	40	80	20	2	< 5
179525	74.07	16.00	1.43	0.118	0.32	0.69	4.23	2.07	0.037	0.37	0.88	100.2	< 1	172	9	40	3	< 20	20	50	40	3	< 5
179526	74.36	15.32	1.75	0.091	0.51	0.72	3.47	1.93	0.063	0.33	1.09	99.64	2	130	19	80	4	< 20	20	80	39	3	< 5
179527	65.10	15.85	4.94	0.071	2.61	1.88	3.71	2.46	0.455	0.20	1.89	99.16	12	54	92	200	23	50	20	< 30	22	2	< 5
179528	64.95	15.33	6.18	0.105	3.01	3.39	3.48	1.70	0.582	0.15	1.09	99.96	16	3	113	250	20	50	50	70	18	< 1	< 5
179529	65.18	15.64	5.93	0.089	3.16	2.92	3.01	2.07	0.565	0.17	1.08	99.82	14	8	106	210	20	60	40	80	20	1	< 5
179530	73.73	15.67	3.19	0.093	0.07	0.28	3.34	2.38	0.004	0.16	0.02	98.95	< 1	156	< 5	30	2	30	50	90	39	3	< 5
179531	74.02	15.69	0.79	0.060	0.15	0.47	6.47	1.47	0.020	0.18	0.84	100.2	< 1	204	12	40	1	< 20	< 10	< 30	38	4	< 5
179532	68.83	14.64	4.92	0.065	2.55	3.73	2.30	2.10	0.486	0.18	0.93	100.7	12	4	89	170	16	40	40	60	17	1	< 5
179533	71.74	16.67	0.61	0.032	0.09	0.37	4.74	4.78	0.004	0.27	0.79	100.1	< 1	169	< 5	30	< 1	< 20	< 10	50	33	3	< 5
179632	74.64	15.41	1.15	0.093	0.07	0.38	3.34	3.49	0.007	0.34	0.48	99.41	< 1	90	< 5	40	< 1	< 20	< 10	70	33	3	< 5
179633	76.39	15.67	1.19	0.094	0.04	0.27	3.45	1.92	0.002	0.18	0.48	99.69	< 1	178	8	60	< 1	< 20	20	80	40	5	< 5
179634	74.48	15.61	1.07	0.075	0.04	0.32	4.18	2.99	0.003	0.23	0.70	99.70	< 1	95	7	40	< 1	< 20	< 10	50	37	3	< 5
179635	75.45	15.34	1.12	0.103	0.04	0.35	3.95	3.21	0.006	0.26	0.57	100.4	< 1	116	7	40	< 1	< 20	< 10	60	34	3	< 5
179636	74.89	15.76	1.41	0.091	0.23	0.54	4.57	2.18	0.053	0.29	0.80	100.8	2	126	16	60	2	< 20	< 10	70	36	4	< 5
179637	75.01	15.52	0.98	0.085	0.07	0.37	4.00	2.92	0.007	0.24	0.57	99.76	< 1	125	9	40	< 1	< 20	< 10	50	33	4	< 5
179638	62.55	15.44	7.78	0.159	3.23	4.66	1.88	2.18	0.677	0.18	1.45	100.2	19	2	142	190	26	70	70	90	18	2	< 5
179639	71.78	12.64	4.95	0.104	2.36	2.10	2.35	2.05	0.517	0.17	1.45	100.5	16	10	122	130	18	40	30	80	16	1	< 5
179640	97.22	0.77	2.37	0.022	0.03	0.03	0.10	0.10	0.034	< 0.01	-0.19	100.5	< 1	< 1	< 5	< 20	1	< 20	< 10	< 30	1	1	< 5
179641	74.68	15.26	0.92	0.093	0.05	0.32	3.96	3.38	0.003	0.29	0.67	99.64	< 1	100	< 5	40	< 1	< 20	< 10	90	35	4	< 5
179642	73.79	15.95	0.93	0.087	0.05	0.25	4.17	4.03	0.003	0.20	0.59	100.0	< 1	153	10	40	< 1	< 20	< 10	40	31	3	< 5
179643	74.88	15.63	0.87	0.084	0.07	0.22	4.53	3.47	0.003	0.16	0.64	100.6	< 1	160	8	40	< 1	< 20	< 10	< 30	32	3	< 5
179644	73.32	16.35	1.06	0.082	0.04	0.29	4.70	2.15	0.002	0.29	0.57	98.85	< 1	204	< 5	20	< 1	< 20	< 10	40	41	4	< 5
179645	65.19	15.19	5.75	0.107	2.58	2.61	2.80	2.33	0.600	0.16	1.34	98.65	17	9	122	140	22	60	50	70	19	1	< 5
179646	65.82	15.25	5.74	0.107	2.63	2.49	2.84	2.38	0.602	0.17	1.41	99.45	17	9	124	150	23	60	50	80	19	1	< 5
179647	63.72	16.61	6.74	0.103	2.50	3.44	2.98	2.17	0.579	0.16	1.05	100.1	14	8	104	140	20	50	50	80	19	1	< 5
179648	73.12	16.48	0.85	0.081	0.03	0.31	4.78	2.69	0.004	0.28	0.54	99.17	< 1	164	< 5	30	< 1	< 20	< 10	60	36	4	< 5

Results

Activation Laboratories Ltd.

Report: A16-12135

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	Spec Grav
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2	GRAV
179517	228	325	13	126	7	< 2	< 0.5	< 0.2	7	< 0.5	162	903	< 0.4	2.9	1.0	< 1	2.1	15	7.6	2.4	0.11	0.23	
179518	618	40	< 2	38	73	< 2	< 0.5	< 0.2	109	< 0.5	42.7	66	1.1	3.9	89.9	2	3.4	18	4.3	8.7	0.18	0.38	
179519	260	320	12	126	6	< 2	< 0.5	< 0.2	8	< 0.5	154	795	< 0.4	3.2	1.4	< 1	2.2	15	7.7	2.6	0.13	0.29	
179520	4	11	3	66	< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	209	< 0.4	1.5	0.1	< 1	0.3	< 5	0.5	0.2	< 0.01	< 0.01	
179521	701	105	7	54	46	< 2	< 0.5	< 0.2	87	< 0.5	115	317	0.6	2.8	75.2	4	4.6	10	3.6	3.4	0.06	0.14	
179522	450	271	14	111	6	< 2	< 0.5	< 0.2	24	< 0.5	170	964	0.5	2.7	2.4	17	3.4	14	6.8	2.1	0.10	0.21	
179523	613	43	< 2	18	51	< 2	< 0.5	< 0.2	69	< 0.5	36.7	177	0.6	2.1	70.9	2	3.6	12	2.4	4.8	0.09	0.19	
179524	210	273	12	121	8	< 2	< 0.5	< 0.2	18	< 0.5	53.4	630	< 0.4	3.1	7.5	3	1.7	27	6.6	2.1	0.07	0.15	
179525	533	61	3	32	39	< 2	< 0.5	< 0.2	85	< 0.5	58.3	124	1.4	2.4	40.5	1	2.9	16	2.8	5.6	0.42	0.90	
179526	542	62	3	48	39	< 2	< 0.5	< 0.2	93	< 0.5	68.0	145	7.6	2.4	32.7	2	4.3	19	2.9	5.8	0.47	1.00	3.00
179527	487	311	10	117	18	< 2	< 0.5	< 0.2	24	< 0.5	143	453	0.5	3.4	42.8	4	3.1	7	6.3	3.2	0.07	0.15	
179528	102	450	12	147	5	< 2	< 0.5	< 0.2	4	< 0.5	37.6	423	< 0.4	3.5	1.3	< 1	0.9	16	7.9	2.5	0.08	0.17	
179529	359	494	11	134	4	4	< 0.5	< 0.2	14	< 0.5	153	492	< 0.4	3.0	1.2	1	2.9	14	7.1	2.6	0.20	0.44	
179530	659	46	2	20	36	23	< 0.5	< 0.2	76	< 0.5	38.9	104	0.4	1.7	32.4	2	4.2	17	1.7	5.0	0.70	1.52	
179531	655	72	< 2	42	76	< 2	< 0.5	< 0.2	443	< 0.5	76.4	57	< 0.4	4.7	160	2	4.4	11	2.7	4.4	0.01	0.03	
179532	153	538	9	121	5	< 2	< 0.5	< 0.2	8	< 0.5	51.1	481	< 0.4	2.8	1.2	< 1	1.5	14	6.7	1.7	0.08	0.17	
179533	1650	66	< 2	20	62	< 2	< 0.5	< 0.2	72	< 0.5	80.0	139	0.5	2.7	113	5	11.7	15	2.0	6.0	0.03	0.06	
179632	1170	35	4	16	15	< 2	< 0.5	< 0.2	57	< 0.5	57.2	35	1.7	1.3	19.5	1	9.1	19	1.0	5.0	0.50	1.09	
179633	758	35	< 2	35	54	< 2	< 0.5	< 0.2	108	< 0.5	47.9	34	1.3	3.0	65.6	< 1	5.3	17	1.3	6.5	0.78	1.69	
179634	1030	39	< 2	23	39	< 2	< 0.5	< 0.2	82	< 0.5	60.7	25	6.3	2.0	41.2	1	6.6	18	1.4	6.9	0.34	0.73	2.74
179635	1090	25	4	20	26	< 2	< 0.5	< 0.2	67	< 0.5	68.1	26	1.9	1.5	30.9	1	7.8	17	1.3	5.8	0.42	0.91	
179636	944	53	3	28	35	< 2	< 0.5	< 0.2	101	< 0.5	103	86	1.3	1.9	45.8	2	6.6	13	1.5	6.0	0.33	0.70	
179637	937	33	2	22	29	< 2	< 0.5	< 0.2	65	< 0.5	57.8	40	2.1	1.9	46.3	< 1	6.3	21	1.5	4.9	0.45	0.97	
179638	144	386	16	138	5	< 2	< 0.5	< 0.2	2	< 0.5	43.0	497	0.4	3.2	0.7	16	1.2	21	6.0	2.1	0.14	0.31	
179639	232	264	10	84	4	< 2	< 0.5	< 0.2	8	< 0.5	36.8	459	< 0.4	1.9	0.9	< 1	1.8	12	5.4	1.6	0.08	0.16	
179640	4	9	< 2	34	< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	162	< 0.4	0.8	< 0.1	< 1	0.3	6	0.3	0.2	< 0.01	< 0.01	
179641	987	36	< 2	15	14	< 2	< 0.5	< 0.2	68	< 0.5	42.5	44	0.7	1.2	22.3	1	6.6	18	1.0	5.1	0.26	0.57	
179642	1320	36	< 2	17	50	< 2	< 0.5	< 0.2	55	< 0.5	71.5	41	1.4	2.1	96.5	2	9.7	21	2.0	4.0	0.25	0.54	
179643	1070	26	2	20	45	< 2	< 0.5	< 0.2	64	< 0.5	58.5	44	1.4	2.0	83.4	1	8.0	18	1.9	5.4	0.19	0.40	
179644	783	29	3	35	22	< 2	< 0.5	< 0.2	80	< 0.5	49.0	43	1.3	3.4	30.7	3	5.3	20	1.6	8.8	0.50	1.08	2.72
179645	231	339	14	100	6	< 2	< 0.5	< 0.2	8	< 0.5	58.0	535	< 0.4	2.5	2.5	< 1	1.9	14	6.4	2.0	0.07	0.15	
179646	236	316	13	100	6	< 2	< 0.5	< 0.2	7	< 0.5	62.0	546	< 0.4	2.6	2.2	< 1	1.8	14	6.4	2.0	0.07	0.15	
179647	299	480	11	126	7	< 2	< 0.5	< 0.2	9	< 0.5	94.9	521	< 0.4	3.3	8.2	< 1	2.5	14	7.1	2.3	0.10	0.21	
179648	1330	36	2	19	41	< 2	< 0.5	< 0.2	118	< 0.5	93.8	30	1.6	2.5	78.9	< 1	9.6	16	1.5	7.3	0.40	0.86	

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
NIST 694 Meas	11.29	2.00	0.80	0.010	0.35	42.94	0.87	0.53	0.120	30.21					1625								
NIST 694 Cert	11.2	1.80	0.790	0.0116	0.330	43.6	0.860	0.510	0.110	30.2					1740								
DNC-1 Meas	47.01	18.57	9.74	0.150	10.19	11.42	1.91	0.22	0.500	0.06			31		154	270	53	250	90	70			
DNC-1 Cert	47.15	18.34	9.97	0.150	10.13	11.49	1.890	0.234	0.480	0.070			31		148	270	57	247	100	70			
GBW 07113 Meas	70.68	13.04	3.15	0.140	0.16	0.61	2.53	5.46	0.290	0.05			5	4	6								
GBW 07113 Cert	72.8	13.0	3.21	0.140	0.160	0.590	2.57	5.43	0.300	0.0500			5.00	4.00	5.00								
LKSD-3 Meas																80	29	50	30	150			27
LKSD-3 Cert																87.0	30.0	47.0	35.0	152			27.0
TDB-1 Meas																250		100	340	160			
TDB-1 Cert																251		92	323	155			
W-2a Meas	52.91	15.63	10.93	0.170	6.45	11.10	2.24	0.62	1.090	0.13			36	< 1	275	90	43	80	110	80	19	2	
W-2a Cert	52.4	15.4	10.7	0.163	6.37	10.9	2.14	0.626	1.06	0.130			36.0	1.30	262	92.0	43.0	70.0	110	80.0	17.0	1.00	
SY-4 Meas	49.88	20.53	6.08	0.110	0.52	8.10	6.89	1.65	0.290	0.13			1	3	9								
SY-4 Cert	49.9	20.69	6.21	0.108	0.54	8.05	7.10	1.66	0.287	0.131			1.1	2.6	8.0								
CTA-AC-1 Meas																			60	40			
CTA-AC-1 Cert																			54.0	38.0			
BIR-1a Meas	48.02	15.60	11.32	0.170	9.72	13.45	1.84	0.01	0.970	0.02			44	< 1	328	390	50	170	120	70	15		< 5
BIR-1a Cert	47.96	15.50	11.30	0.175	9.700	13.30	1.82	0.030	0.96	0.021			44	0.58	310	370	52	170	125	70	16		0.44
NCS DC86312 Meas																							
NCS DC86312 Cert																							
ZW-C Meas																							
ZW-C Cert																							
NCS DC70009 (GBW07241) Meas																		< 20	890	100	16	11	67
NCS DC70009 (GBW07241) Cert																		2.8	960	100	16.5	11.2	69.9
OREAS 100a (Fusion) Meas																	17		160				
OREAS 100a (Fusion) Cert																	18.1		169				
OREAS 101a (Fusion) Meas																	44		420				
OREAS 101a (Fusion) Cert																	48.8		434				
OREAS 101b (Fusion) Meas																	46		430				
OREAS 101b (Fusion) Cert																	47		416				
JR-1 Meas																		< 20	< 10	< 30	15	2	15
JR-1 Cert																		1.67	2.68	30.6	16.1	1.88	16.3

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
NCS DC86304 Meas																							
NCS DC86304 Cert																							
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NCS DC86314 Cert																							

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
NCS DC86314 Cert																							
USZ 28-99 Meas																							
USZ 28-99 Cert																							
USZ 28-99 Meas																							
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USZ 28-99 Cert																							
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							
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Lithium Tetraborate FX-LT 100 lot#220610B Cert																							
Lithium Tetraborate FX-LT 100 lot#220610B																							

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Meas																							
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							
179520 Orig																							
179520 Dup																							
179528 Orig	64.91	15.46	6.24	0.106	3.01	3.39	3.47	1.72	0.590	0.15	1.09	100.1	16	3	113	240	20	50	50	70	17	< 1	< 5
179528 Dup	64.98	15.20	6.11	0.104	3.00	3.40	3.49	1.69	0.574	0.16	1.09	99.78	16	3	114	250	20	50	50	70	18	1	< 5
179632 Orig																							
179632 Dup																							
179640 Orig																							
179640 Dup																							
179643 Orig	74.48	16.12	0.87	0.086	0.07	0.22	4.54	3.47	0.003	0.16	0.64	100.7	< 1	162	7	40	< 1	< 20	< 10	< 30	32	3	< 5
179643 Dup	75.27	15.15	0.88	0.083	0.07	0.22	4.53	3.47	0.003	0.16	0.64	100.5	< 1	157	9	40	< 1	< 20	< 10	< 30	32	3	< 5
Method Blank																< 20	< 1	< 20	< 10	< 30	< 1	< 1	< 5
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	Spec Grav
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2	GRAV
NIST 694 Meas																							
NIST 694 Cert																							
DNC-1 Meas		148	17	38								106											
DNC-1 Cert		144.0	18.0	38								118											
GBW 07113 Meas		45	45	383								502											
GBW 07113 Cert		43.0	43.0	403								506											
LKSD-3 Meas						< 2	2.5				2.2			4.5	0.6				11.5	4.5			
LKSD-3 Cert						2.00	2.70				2.30			4.80	0.700				11.4	4.60			
TDB-1 Meas	21																						
TDB-1 Cert	23																						
W-2a Meas	20	200	21	95	8	< 2						176	< 0.4		0.4	< 1	< 0.1		2.4	0.5			
W-2a Cert	21.0	190	24.0	94.0	7.90	0.600						182	0.0300		0.500	0.300	0.200		2.40	0.530			
SY-4 Meas		1190	120	555								343											
SY-4 Cert		1191	119	517								340											
CTA-AC-1 Meas																				21.5	4.3		
CTA-AC-1 Cert																				21.8	4.4		
BIR-1a Meas		111	15	16								8											
BIR-1a Cert		110	16	18								6											
NCS DC86312 Meas																				23.6			
NCS DC86312 Cert																				23.6			
ZW-C Meas											257				88.2	333	34.2						
ZW-C Cert											260				82	320	34						
NCS DC70009 (GBW07241) Meas	470							1.0			38.1					2150	1.7			26.9			
NCS DC70009 (GBW07241) Cert	500							1.3			41					2200	1.8			28.3			
OREAS 100a (Fusion) Meas						22														49.0	133		
OREAS 100a (Fusion) Cert						24.1														51.6	135		
OREAS 101a (Fusion) Meas						21															395		
OREAS 101a (Fusion) Cert						21.9															422		
OREAS 101b (Fusion) Meas						21														39.0			
OREAS 101b (Fusion) Cert						20.9														37.1			
JR-1 Meas	235				16	4		< 0.2	3	1.3	20.3		0.4		1.8	2	1.5	18		8.1			
JR-1 Cert	257				15.2	3.25		0.028	2.86	1.19	20.8		0.56		1.86	1.59	1.56	19.3		8.88			

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	Spec Grav	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-	
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01	
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2	GRAV	
NCS DC86304 Meas																						1.01	2.18	
NCS DC86304 Cert																						1.06	2.29	
NCS DC86304 Meas																						1.01	2.17	
NCS DC86304 Cert																						1.06	2.29	
NCS DC86304 Meas																						1.03	2.23	
NCS DC86304 Cert																						1.06	2.29	
NCS DC86304 Meas																						1.01	2.16	
NCS DC86304 Cert																						1.06	2.29	
NCS DC86304 Meas																						1.03	2.22	
NCS DC86304 Cert																						1.06	2.29	
NCS DC86304 Meas																						1.04	2.24	
NCS DC86304 Cert																						1.06	2.29	
NCS DC86314 Meas																						1.73	3.72	
NCS DC86314 Cert																						1.81	3.89	
NCS DC86314 Meas																						1.72	3.70	
NCS DC86314 Cert																						1.81	3.89	
NCS DC86314 Meas																						1.77	3.80	
NCS DC86314 Cert																						1.81	3.89	
NCS DC86314 Meas																						1.75	3.76	
NCS DC86314 Cert																						1.81	3.89	
NCS DC86314 Meas																						1.71	3.67	
NCS DC86314 Cert																						1.81	3.89	
NCS DC86314 Meas																						1.79	3.85	

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	Spec Grav	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-	
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01	
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2	GRAV	
NCS DC86314 Cert																						1.81	3.89	
USZ 28-99 Meas																							0.18	
USZ 28-99 Cert																							0.173	
USZ 28-99 Meas																							0.18	
USZ 28-99 Cert																							0.173	
USZ 28-99 Meas																							0.18	
USZ 28-99 Cert																							0.173	
USZ 28-99 Meas																							0.18	
USZ 28-99 Cert																							0.173	
USZ 28-99 Meas																							0.18	
USZ 28-99 Cert																							0.173	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							7.97	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							8	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							8.17	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							8	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							7.99	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							8	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							8.14	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							8	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							7.91	

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	Spec Grav
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2	GRAV
Meas																							
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.08	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8	
179520 Orig																						< 0.01	< 0.01
179520 Dup																						< 0.01	< 0.01
179528 Orig	100	447	12	147	5	< 2	< 0.5	< 0.2	5	< 0.5	36.8	424	< 0.4	3.6	1.3	< 1	1.0	16	7.9	2.5			
179528 Dup	103	453	12	146	5	< 2	< 0.5	< 0.2	3	< 0.5	38.4	422	< 0.4	3.4	1.3	< 1	0.8	16	7.9	2.5			
179632 Orig																						0.51	1.09
179632 Dup																						0.50	1.08
179640 Orig																						< 0.01	< 0.01
179640 Dup																						< 0.01	< 0.01
179643 Orig	1080	27	3	21	47	< 2	< 0.5	< 0.2	64	< 0.5	59.1	44	1.7	2.0	85.3	1	8.4	18	1.9	5.5			
179643 Dup	1060	25	2	19	43	< 2	< 0.5	< 0.2	64	< 0.5	57.9	45	1.1	2.0	81.4	1	7.6	17	1.9	5.4			
Method Blank	< 2				< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5		< 0.4	< 0.2	< 0.1	< 1	< 0.1	< 5	< 0.1	< 0.1			
Method Blank																						< 0.01	< 0.01
Method Blank																						< 0.01	< 0.01
Method Blank																						< 0.01	< 0.01
Method Blank																						< 0.01	< 0.01
Method Blank																						< 0.01	< 0.01
Method Blank																						< 0.01	< 0.01
Method Blank																							< 0.01



Date Submitted: 22-Nov-16
Invoice No.: A16-12537
Invoice Date: 29-Dec-16
Your Reference: Georgia Lake Lithium

Rock Tech Lithium Inc.
789 West Pender Street
Suite 1200
Vancouver BC V6C 1H6
Canada

ATTN: Brad Barnett - Invoices

CERTIFICATE OF ANALYSIS

32 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code Specific Gravity - Tbay Pulp

REPORT **A16-12537**

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Notes:

Total includes all elements in % oxide to the left of total.

CERTIFIED BY:

A handwritten signature in black ink, appearing to read "Emmanuel Eseme". The signature is stylized and written over a horizontal line.

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6
TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Date Submitted: 22-Nov-16
Invoice No.: A16-12537
Invoice Date: 29-Dec-16
Your Reference: Georgia Lake Lithium

**Rock Tech Lithium Inc.
789 West Pender Street
Suite 1200
Vancouver BC V6C 1H6
Canada**

ATTN: Brad Barnett - Invoices

CERTIFICATE OF ANALYSIS

32 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 4Litho-Pegmatite Special Major Elements Fusion ICP(WRA)/Trace Elements
Fusion ICP/MS(WRA4B2)

Code 8-Li (Sodium Peroxide Fusion) Sodium Peroxide Fusion

REPORT **A16-12537**

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Notes:

Total includes all elements in % oxide to the left of total.

CERTIFIED BY:



Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
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E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Results

Activation Laboratories Ltd.

Report: A16-12537

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
179534	74.32	15.73	0.69	0.028	0.10	0.29	4.94	3.29	0.003	0.17	0.91	100.5	< 1	185	< 5	20	1	< 20	10	< 30	34	4	< 5
179535	73.17	15.63	0.81	0.032	0.20	0.37	4.91	2.34	0.011	0.25	1.13	98.86	< 1	161	< 5	20	1	< 20	< 10	< 30	39	4	< 5
179536	66.43	14.78	4.60	0.070	2.51	2.86	2.72	2.43	0.447	0.22	1.81	98.87	11	17	82	140	16	50	30	60	20	2	< 5
179537	61.22	17.03	7.07	0.104	3.67	2.08	3.75	3.15	0.690	0.16	1.72	100.7	21	5	147	220	27	90	30	80	21	1	< 5
179538	67.04	14.71	5.29	0.101	2.48	2.82	3.73	1.89	0.544	0.12	1.55	100.3	16	4	113	210	17	50	40	70	17	2	< 5
179539	65.58	14.95	6.31	0.094	2.93	2.40	3.28	2.47	0.570	0.13	1.63	100.3	15	2	110	220	17	50	40	100	18	2	< 5
179540	95.44	0.78	3.32	0.026	0.05	0.05	0.08	0.07	0.042	< 0.01	-0.16	99.68	< 1	< 1	6	30	3	< 20	10	< 30	2	1	< 5
179541	73.23	15.33	0.90	0.048	0.25	0.38	5.42	2.11	0.045	0.17	0.94	98.82	1	155	12	30	2	< 20	< 10	< 30	36	3	< 5
179542	65.72	15.41	5.53	0.088	2.60	1.78	4.13	2.48	0.481	0.21	1.76	100.2	13	29	94	190	16	50	40	60	22	2	< 5
179543	66.53	14.68	4.93	0.101	2.55	2.99	3.82	1.79	0.446	0.17	1.30	99.29	12	45	90	190	15	50	40	60	22	2	< 5
179544	64.89	15.67	6.05	0.084	3.16	2.25	3.72	2.45	0.556	0.13	1.49	100.4	15	10	109	190	20	60	30	80	18	1	< 5
179545	63.14	16.10	6.34	0.101	3.31	2.49	3.59	2.30	0.609	0.13	1.76	99.87	17	17	119	200	19	60	40	60	20	1	< 5
179546	62.37	15.68	6.32	0.099	3.34	2.68	3.40	2.31	0.611	0.14	1.70	98.66	17	11	119	200	20	60	40	70	20	2	< 5
179547	74.51	15.99	0.65	0.072	0.12	0.35	4.86	2.02	0.006	0.19	0.85	99.61	< 1	219	< 5	30	< 1	40	< 10	30	37	4	< 5
179548	71.46	15.53	1.98	0.052	0.89	0.96	4.51	2.39	0.164	0.35	1.47	99.74	5	178	35	60	6	< 20	< 10	40	32	3	< 5
179549	76.28	13.75	0.41	0.020	0.05	0.31	5.15	1.55	0.004	0.15	0.97	98.65	< 1	159	< 5	20	1	< 20	< 10	< 30	35	4	< 5
179550	86.36	8.07	1.65	0.049	0.05	0.17	1.77	1.30	0.035	0.05	0.07	99.56	< 1	74	< 5	20	1	< 20	30	40	20	2	< 5
179551	74.45	14.65	0.83	0.021	0.10	0.56	6.58	1.31	0.006	0.29	0.88	99.67	< 1	206	< 5	30	1	< 20	< 10	< 30	35	4	< 5
179552	63.73	15.83	6.36	0.099	3.44	2.48	3.61	2.52	0.576	0.15	1.56	100.3	17	8	118	220	23	80	40	70	19	2	< 5
179553	74.42	16.39	0.60	0.072	0.08	0.23	4.33	2.55	0.003	0.18	0.66	99.51	< 1	149	< 5	< 20	< 1	< 20	< 10	50	38	4	< 5
179554	74.01	16.79	0.60	0.051	0.06	0.18	4.33	2.17	0.002	0.13	0.72	99.04	< 1	165	< 5	20	1	< 20	< 10	30	40	4	< 5
179555	74.63	15.86	0.63	0.072	0.07	0.22	4.16	2.34	0.003	0.18	0.70	98.85	< 1	170	< 5	20	< 1	< 20	< 10	50	40	4	< 5
179556	63.79	15.73	6.30	0.093	3.23	1.95	3.65	2.32	0.610	0.10	2.16	99.93	17	3	126	220	21	70	40	60	18	1	< 5
179557	63.78	16.21	6.36	0.102	3.06	2.07	3.49	2.83	0.587	0.20	1.65	100.3	15	23	111	220	21	140	50	90	22	2	< 5
179649	74.40	16.69	0.58	0.069	0.04	0.29	4.00	3.01	0.004	0.25	0.68	100.0	< 1	173	< 5	30	1	< 20	< 10	60	36	5	< 5
179650	73.68	16.13	3.32	0.097	0.08	0.29	3.42	2.48	0.004	0.15	0.01	99.66	< 1	159	< 5	40	2	30	50	110	39	3	< 5
179651	73.60	16.03	0.64	0.074	0.05	0.43	4.34	2.51	0.004	0.27	0.68	98.62	< 1	159	< 5	20	1	< 20	< 10	40	34	4	< 5
179652	64.67	15.41	6.08	0.101	2.58	3.28	2.99	2.22	0.535	0.12	1.16	99.15	14	14	101	140	19	50	50	80	18	1	< 5
179653	64.09	15.86	7.01	0.114	2.62	2.97	2.90	2.60	0.586	0.11	1.63	100.5	16	2	115	150	23	60	50	70	19	2	< 5
179654	72.45	16.30	0.41	0.028	0.03	0.40	5.93	3.64	0.003	0.24	0.65	100.1	< 1	108	< 5	< 20	1	< 20	< 10	< 30	31	4	< 5
179655	72.84	16.41	0.69	0.074	0.06	0.29	4.25	3.74	0.002	0.24	0.74	99.33	< 1	168	< 5	20	1	< 20	40	50	37	4	< 5
179656	74.32	16.21	0.70	0.087	0.04	0.33	3.66	2.93	0.002	0.29	0.59	99.16	< 1	104	< 5	< 20	< 1	< 20	< 10	60	37	4	< 5

Results

Activation Laboratories Ltd.

Report: A16-12537

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	Spec Grav
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2	GRAV
179534	1110	51	< 2	18	60	< 2	< 0.5	< 0.2	76	< 0.5	60.3	136	0.5	2.6	112	1	6.0	10	2.0	4.1	0.02	0.05	
179535	701	61	< 2	26	52	< 2	< 0.5	< 0.2	83	< 0.5	52.4	174	< 0.4	2.5	45.9	1	4.0	13	2.3	4.2	0.20	0.43	
179536	364	391	8	114	8	< 2	< 0.5	< 0.2	21	< 0.5	95.4	469	< 0.4	3.5	4.6	1	2.8	12	6.4	1.9	0.09	0.20	
179537	228	309	13	120	7	< 2	< 0.5	< 0.2	7	< 0.5	81.3	1003	< 0.4	3.4	2.4	< 1	1.7	14	7.1	2.2	0.09	0.19	
179538	245	307	10	126	5	< 2	< 0.5	< 0.2	10	< 0.5	56.6	547	< 0.4	3.5	1.5	< 1	1.9	16	6.1	1.9	0.06	0.13	
179539	190	362	7	136	4	< 2	< 0.5	< 0.2	6	< 0.5	86.7	602	< 0.4	3.7	0.5	< 1	1.2	77	7.3	2.0	0.07	0.14	
179540	3	8	< 2	35	1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	124	< 0.4	0.6	0.1	< 1	< 0.1	< 5	0.7	0.3	< 0.01	< 0.01	
179541	534	56	2	27	50	< 2	< 0.5	< 0.2	72	< 0.5	46.8	111	0.5	2.4	74.3	2	2.2	13	2.8	4.0	0.09	0.20	
179542	425	276	9	116	16	< 2	< 0.5	< 0.2	26	< 0.5	155	530	< 0.4	3.6	15.6	2	2.9	13	6.2	3.4	0.06	0.13	2.80
179543	274	325	10	109	18	< 2	< 0.5	< 0.2	29	< 0.5	98.6	342	< 0.4	3.6	13.3	< 1	2.0	15	6.2	3.2	0.07	0.15	
179544	164	351	9	111	6	< 2	< 0.5	< 0.2	13	< 0.5	69.0	703	< 0.4	3.4	8.9	2	1.2	14	6.4	1.7	0.08	0.18	
179545	134	356	10	116	8	< 2	< 0.5	< 0.2	14	< 0.5	15.7	687	< 0.4	3.2	2.9	3	0.5	12	6.0	2.2	0.07	0.14	
179546	178	358	10	111	7	< 2	< 0.5	< 0.2	10	< 0.5	27.9	654	< 0.4	3.2	2.7	1	0.8	14	6.1	2.1	0.07	0.15	
179547	546	38	< 2	19	30	< 2	< 0.5	< 0.2	56	< 0.5	34.2	117	1.3	1.2	27.0	1	2.7	13	2.3	3.5	0.46	1.00	
179548	950	132	4	40	36	2	< 0.5	< 0.2	86	< 0.5	128	207	1.1	2.5	90.3	1	6.8	8	3.0	3.0	0.05	0.10	
179549	555	44	< 2	16	52	5	< 0.5	< 0.2	72	< 0.5	34.4	37	5.1	1.9	85.9	1	3.9	7	2.3	2.9	< 0.01	0.02	
179550	326	24	3	62	20	12	< 0.5	< 0.2	37	< 0.5	19.5	62	< 0.4	2.3	18.0	1	2.1	6	2.0	2.5	0.38	0.83	
179551	533	77	2	16	70	< 2	< 0.5	< 0.2	67	< 0.5	30.6	67	1.1	1.9	63.9	< 1	2.9	10	2.9	3.7	< 0.01	0.02	
179552	231	317	12	136	6	< 2	< 0.5	< 0.2	16	< 0.5	88.5	654	< 0.4	3.6	1.0	< 1	1.7	14	7.0	2.3	0.08	0.17	2.82
179553	812	36	< 2	15	49	< 2	< 0.5	< 0.2	86	< 0.5	47.0	55	2.0	1.6	45.4	1	5.0	17	2.7	4.1	0.60	1.30	
179554	734	26	< 2	11	44	< 2	< 0.5	< 0.2	93	< 0.5	44.6	39	1.3	1.3	51.8	1	5.2	12	2.0	3.4	0.73	1.57	
179555	789	32	< 2	19	52	< 2	< 0.5	< 0.2	96	< 0.5	55.6	60	0.8	2.0	46.1	< 1	5.4	15	2.7	4.9	0.62	1.33	
179556	119	267	11	137	6	< 2	< 0.5	< 0.2	7	< 0.5	22.4	668	< 0.4	3.5	0.6	< 1	1.3	19	7.1	2.3	0.06	0.12	
179557	381	282	9	134	11	< 2	< 0.5	< 0.2	26	< 0.5	142	653	< 0.4	3.9	6.6	< 1	2.5	13	6.4	2.9	0.09	0.20	
179649	1270	28	2	21	34	< 2	< 0.5	< 0.2	93	< 0.5	91.5	23	2.0	2.4	55.9	< 1	8.8	12	1.2	4.2	0.59	1.27	
179650	638	45	< 2	22	37	23	< 0.5	< 0.2	76	< 0.5	37.9	109	0.6	1.8	31.1	6	3.8	14	1.8	4.6	0.75	1.62	
179651	908	39	< 2	21	25	< 2	< 0.5	< 0.2	69	< 0.5	54.6	37	1.6	2.4	50.0	< 1	6.0	14	1.3	5.3	0.53	1.14	
179652	313	426	10	138	9	< 2	< 0.5	< 0.2	19	< 0.5	121	526	< 0.4	3.8	25.1	< 1	3.3	12	6.9	1.9	0.11	0.24	
179653	109	335	13	125	5	< 2	< 0.5	< 0.2	2	< 0.5	10.1	798	< 0.4	3.4	0.6	< 1	1.0	13	7.4	1.9	0.05	0.11	2.79
179654	1000	32	2	16	13	< 2	< 0.5	< 0.2	58	< 0.5	41.3	38	1.1	1.5	19.3	< 1	6.6	10	0.9	3.2	< 0.01	< 0.01	
179655	1260	32	< 2	17	29	< 2	< 0.5	< 0.2	78	< 0.5	60.9	77	1.8	1.6	39.8	< 1	8.5	10	0.9	4.4	0.34	0.74	
179656	1100	28	< 2	19	32	2	< 0.5	< 0.2	77	< 0.5	68.6	20	3.5	2.0	35.0	< 1	8.3	15	1.1	6.1	0.66	1.42	

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
NIST 694 Meas	11.21	1.92	0.76	0.013	0.34	43.07	0.87	0.53	0.119	30.28					1615								
NIST 694 Cert	11.2	1.80	0.790	0.0116	0.330	43.6	0.860	0.510	0.110	30.2					1740								
DNC-1 Meas	47.19	17.98	9.71	0.146	10.05	11.33	1.95	0.22	0.468	0.05			32		150	280	56	260	90	70			
DNC-1 Cert	47.15	18.34	9.97	0.150	10.13	11.49	1.890	0.234	0.480	0.070			31		148	270	57	247	100	70			
GBW 07113 Meas	72.64	13.45	3.28	0.143	0.15	0.61	2.53	5.49	0.292	0.02			5	4	< 5								
GBW 07113 Cert	72.8	13.0	3.21	0.140	0.160	0.590	2.57	5.43	0.300	0.0500			5.00	4.00	5.00								
LKSD-3 Meas																80	27	50	30	150			28
LKSD-3 Cert																87.0	30.0	47.0	35.0	152			27.0
TDB-1 Meas																250		100	350	160			
TDB-1 Cert																251		92	323	155			
W-2a Meas	52.09	15.21	10.28	0.164	6.27	11.01	2.19	0.60	1.037	0.12			35	< 1	265	90	43	80	110	80	18	2	< 5
W-2a Cert	52.4	15.4	10.7	0.163	6.37	10.9	2.14	0.626	1.06	0.130			36.0	1.30	262	92.0	43.0	70.0	110	80.0	17.0	1.00	1.20
SY-4 Meas	50.12	20.38	6.15	0.106	0.51	8.18	6.97	1.65	0.288	0.13			1	3	8								
SY-4 Cert	49.9	20.69	6.21	0.108	0.54	8.05	7.10	1.66	0.287	0.131			1.1	2.6	8.0								
CTA-AC-1 Meas																			60	40			
CTA-AC-1 Cert																			54.0	38.0			
BIR-1a Meas	48.03	16.17	11.27	0.172	9.74	13.40	1.85	0.02	0.983	0.01			44	< 1	320	400	48	180	120	70	15		
BIR-1a Cert	47.96	15.50	11.30	0.175	9.700	13.30	1.82	0.030	0.96	0.021			44	0.58	310	370	52	170	125	70	16		
NCS DC86312 Meas																							
NCS DC86312 Cert																							
ZW-C Meas																				1050	101		30
ZW-C Cert																				1050.00	99		31
NCS DC70009 (GBW07241) Meas																30	4	< 20	880	100	16	11	68
NCS DC70009 (GBW07241) Cert																30	3.7	2.8	960	100	16.5	11.2	69.9
OREAS 100a (Fusion) Meas																	17		160				
OREAS 100a (Fusion) Cert																	18.1		169				
OREAS 101a (Fusion) Meas																	47		430				
OREAS 101a (Fusion) Cert																	48.8		434				
OREAS 101b (Fusion) Meas																	45		420				
OREAS 101b (Fusion) Cert																	47		416				
JR-1 Meas																		< 20	< 10	30	15	2	15

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Meas																							
NCS DC86304 Cert																							
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Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Cert																							
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Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							
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Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
179540 Orig																							
179540 Dup																							
179542 Orig																							
179542 Dup																							
179548 Orig	72.02	15.61	1.98	0.052	0.89	0.96	4.55	2.39	0.165	0.35	1.47	100.4	5	180	34	70	6	< 20	< 10	40	32	3	< 5
179548 Dup	70.90	15.45	1.97	0.051	0.90	0.95	4.48	2.38	0.163	0.34	1.47	99.06	5	177	35	60	6	20	10	40	32	3	< 5
179653 Orig																							
179653 Dup																							
179656 Orig	73.92	16.11	0.69	0.087	0.04	0.34	3.63	2.90	0.002	0.29	0.59	98.59	< 1	102	< 5	20	1	< 20	< 10	60	37	4	< 5
179656 Dup	74.71	16.31	0.70	0.088	0.04	0.33	3.69	2.96	0.002	0.30	0.59	99.73	< 1	107	< 5	< 20	< 1	< 20	< 10	60	37	4	< 5
Method Blank																							
Method Blank																< 20	< 1	< 20	< 10	< 30	< 1	< 1	< 5
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Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	Spec Grav
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2	GRAV
NIST 694 Meas																							
NIST 694 Cert																							
DNC-1 Meas		145	16	36								107											
DNC-1 Cert		144.0	18.0	38								118											
GBW 07113 Meas		42	46	409								506											
GBW 07113 Cert		43.0	43.0	403								506											
LKSD-3 Meas	75					< 2	2.5		2	1.2	2.5			4.4	0.7					4.2			
LKSD-3 Cert	78.0					2.00	2.70		3.00	1.30	2.30			4.80	0.700					4.60			
TDB-1 Meas	21																						
TDB-1 Cert	23																						
W-2a Meas	20	193	18	88		< 2						171	< 0.4		0.5	< 1	< 0.1		2.4	0.5			
W-2a Cert	21.0	190	24.0	94.0		0.600						182	0.0300		0.500	0.300	0.200		2.40	0.530			
SY-4 Meas		1203	115	516								347											
SY-4 Cert		1191	119	517								340											
CTA-AC-1 Meas														2.5					22.5	4.0			
CTA-AC-1 Cert														2.65					21.8	4.4			
BIR-1a Meas		113	14	17								8		0.6				< 5					
BIR-1a Cert		110	16	18								6		0.60				3					
NCS DC86312 Meas																				24.3			
NCS DC86312 Cert																				23.6			
ZW-C Meas	8690								1310		258				81.5	338	34.7						
ZW-C Cert	8500								1300		260				82	320	34						
NCS DC70009 (GBW07241) Meas	452							1.0	1760	3.0	37.8					2120	1.8		27.6				
NCS DC70009 (GBW07241) Cert	500							1.3	1701	3.1	41					2200	1.8		28.3				
OREAS 100a (Fusion) Meas						23													48.7	132			
OREAS 100a (Fusion) Cert						24.1													51.6	135			
OREAS 101a (Fusion) Meas						21													34.0	402			
OREAS 101a (Fusion) Cert						21.9													36.6	422			
OREAS 101b (Fusion) Meas						20													38.0	405			
OREAS 101b (Fusion) Cert						20.9													37.1	396			
JR-1 Meas	252				15	3		< 0.2	3		20.6		0.6	4.4	2.0	2	1.5	18	25.4	8.6			
JR-1 Cert	257				15.2	3.25		0.028	2.86		20.8		0.56	4.51	1.86	1.59	1.56	19.3	26.7	8.88			

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	Spec Grav	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-	
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01	
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2	GRAV	
NCS DC86303 Meas																						0.22	0.48	
NCS DC86303 Cert																						0.21	0.460	
NCS DC86303 Meas																						0.22	0.47	
NCS DC86303 Cert																						0.21	0.460	
NCS DC86303 Meas																						0.20	0.44	
NCS DC86303 Cert																						0.21	0.460	
NCS DC86303 Meas																						0.21	0.46	
NCS DC86303 Cert																						0.21	0.460	
NCS DC86303 Meas																						0.21	0.45	
NCS DC86303 Cert																						0.21	0.460	
NCS DC86303 Meas																						0.22	0.47	
NCS DC86303 Cert																						0.21	0.460	
NCS DC86303 Meas																						0.22	0.47	
NCS DC86303 Cert																						0.21	0.460	
NCS DC86304 Meas																						1.04	2.24	
NCS DC86304 Cert																						1.06	2.29	
NCS DC86304 Meas																						1.05	2.25	
NCS DC86304 Cert																						1.06	2.29	
NCS DC86304 Meas																						1.06	2.28	
NCS DC86304 Cert																						1.06	2.29	
NCS DC86304 Meas																						0.99	2.13	
NCS DC86304 Cert																						1.06	2.29	
NCS DC86304 Meas																						1.11	2.39	

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	Spec Grav		
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-		
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01		
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2	GRAV		
NCS DC86304 Cert																						1.06	2.29		
NCS DC86304 Meas																							1.07	2.30	
NCS DC86304 Cert																							1.06	2.29	
NCS DC86304 Meas																							1.10	2.36	
NCS DC86304 Cert																							1.06	2.29	
NCS DC86314 Meas																							1.76	3.79	
NCS DC86314 Cert																							1.81	3.89	
NCS DC86314 Meas																							1.74	3.74	
NCS DC86314 Cert																							1.81	3.89	
NCS DC86314 Meas																							1.75	3.77	
NCS DC86314 Cert																							1.81	3.89	
NCS DC86314 Meas																							1.74	3.74	
NCS DC86314 Cert																							1.81	3.89	
NCS DC86314 Meas																							1.72	3.71	
NCS DC86314 Cert																							1.81	3.89	
NCS DC86314 Meas																							1.88	4.04	
NCS DC86314 Cert																							1.81	3.89	
NCS DC86314 Meas																							1.83	3.95	
NCS DC86314 Cert																							1.81	3.89	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							7.98		
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							8		

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	Spec Grav	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-	
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01		
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2	GRAV	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.19		
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8		
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						7.97		
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8		
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.00		
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8		
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.16		
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8		
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.30		
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8		
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						7.89		
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8		
Lithium																						8.07		

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	Spec Grav	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-	
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01	
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2	GRAV	
Tetraborate FX-LT 100 lot#220610B Meas																								
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8		
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.03		
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8		
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.00		
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8		
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.30		
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8		
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.26		
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8		
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.63		
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8		
179540 Orig																						< 0.01	< 0.01	

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	Spec Grav	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-	
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01	
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2	GRAV	
179540 Dup																						< 0.01	< 0.01	
179542 Orig																								2.80
179542 Dup																								2.79
179548 Orig	941	134	4	39	36	2	< 0.5	< 0.2	87	< 0.5	127	207	1.3	2.6	88.5	1	6.5	8	3.0	3.0	0.04	0.10		
179548 Dup	959	131	4	40	36	2	< 0.5	< 0.2	85	< 0.5	129	207	1.0	2.4	92.1	1	7.0	7	3.0	3.1	0.05	0.10		
179653 Orig																						0.05	0.11	
179653 Dup																						0.05	0.11	
179656 Orig	1080	27	< 2	19	28	2	< 0.5	< 0.2	78	< 0.5	67.9	19	3.6	1.9	29.4	1	8.3	14	1.1	5.9				
179656 Dup	1110	29	< 2	20	35	2	< 0.5	< 0.2	75	< 0.5	69.3	21	3.4	2.0	40.6	< 1	8.3	15	1.1	6.2				
Method Blank																								< 0.01
Method Blank	< 2				< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5		< 0.4	< 0.2	< 0.1	< 1	< 0.1	< 5	< 0.1	< 0.1				
Method Blank																						< 0.01	< 0.01	
Method Blank																						< 0.01	< 0.01	
Method Blank																						< 0.01	0.01	
Method Blank																						< 0.01	< 0.01	
Method Blank																						< 0.01	< 0.01	
Method Blank																						< 0.01	< 0.01	
Method Blank																						< 0.01	< 0.01	
Method Blank																						< 0.01	< 0.01	
Method Blank																						< 0.01	< 0.01	



Date Submitted: 25-Nov-16
Invoice No.: A16-12655
Invoice Date: 29-Dec-16
Your Reference: Georgia Lake Lithium

Rock Tech Lithium Inc.
789 West Pender Street
Suite 1200
Vancouver BC V6C 1H6
Canada

ATTN: Julie Selway

CERTIFICATE OF ANALYSIS

32 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 4Litho-Pegmatite Special Major Elements Fusion ICP(WRA)/Trace Elements Fusion ICP/MS(WRA4B2)

Code 8-Li (Sodium Peroxide Fusion) Sodium Peroxide Fusion

REPORT **A16-12655**

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Notes:

Total includes all elements in % oxide to the left of total.

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is stylized with a large 'E' and 'S'.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Date Submitted: 25-Nov-16
Invoice No.: A16-12655
Invoice Date: 29-Dec-16
Your Reference: Georgia Lake Lithium

**Rock Tech Lithium Inc.
789 West Pender Street
Suite 1200
Vancouver BC V6C 1H6
Canada**

ATTN: Julie Selway

CERTIFICATE OF ANALYSIS

32 Rock samples were submitted for analysis.

The following analytical package(s) were requested: Code Specific Gravity - Tbay Pulp

REPORT **A16-12655**

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Notes:

Total includes all elements in % oxide to the left of total.

CERTIFIED BY:



Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6
TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Results

Activation Laboratories Ltd.

Report: A16-12655

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
179558	69.28	17.39	1.39	0.064	0.69	2.84	5.51	1.19	0.156	0.05	1.32	99.87	2	7	14	< 20	3	< 20	< 10	40	17	1	< 5
179559	74.60	15.71	0.62	0.084	0.08	0.32	4.72	2.40	0.008	0.22	0.71	99.49	< 1	169	< 5	< 20	< 1	< 20	< 10	70	37	5	< 5
179560	97.46	0.81	0.50	0.006	0.04	0.07	0.07	0.09	0.027	< 0.01	0.27	99.32	< 1	< 1	5	< 20	1	< 20	< 10	< 30	1	1	< 5
179561	75.43	15.97	0.49	0.076	0.07	0.19	3.98	2.37	0.003	0.18	0.54	99.28	< 1	170	< 5	30	1	< 20	< 10	90	38	5	< 5
179562	73.76	17.66	0.43	0.078	0.03	0.19	3.60	3.29	0.002	0.17	0.50	99.71	< 1	153	< 5	< 20	3	< 20	10	120	40	6	< 5
179563	75.19	15.88	0.48	0.079	0.03	0.25	4.42	2.59	0.003	0.24	0.60	99.75	< 1	186	< 5	30	< 1	< 20	< 10	100	38	5	< 5
179564	74.26	16.62	0.46	0.057	0.04	0.22	4.70	2.93	0.004	0.14	0.63	100.1	< 1	184	< 5	< 20	< 1	< 20	< 10	60	39	6	< 5
179565	70.18	16.87	1.38	0.075	0.58	1.16	5.60	2.48	0.105	0.06	1.45	99.95	1	43	12	< 20	3	< 20	20	40	21	2	< 5
179566	71.96	16.18	1.41	0.074	0.58	1.12	5.52	2.39	0.105	0.06	1.40	100.8	1	36	12	< 20	3	< 20	20	30	21	2	< 5
179567	73.49	15.71	1.06	0.064	0.42	1.65	5.26	1.62	0.091	0.14	1.07	100.6	2	27	10	< 20	2	< 20	< 10	50	23	2	< 5
179568	75.03	15.58	0.60	0.048	0.06	0.46	4.35	2.97	0.010	0.20	0.58	99.88	< 1	149	< 5	< 20	< 1	< 20	< 10	< 30	34	5	< 5
179569	73.46	16.01	0.51	0.063	0.03	0.24	3.85	3.58	0.003	0.23	0.57	98.55	< 1	156	< 5	< 20	1	< 20	< 10	70	37	6	< 5
179570	73.87	15.46	3.26	0.092	0.06	0.28	3.32	2.45	0.003	0.13	0.07	98.99	< 1	151	< 5	30	1	20	50	100	39	4	< 5
179571	74.98	16.88	0.65	0.068	0.05	0.22	4.29	2.32	0.004	0.17	0.67	100.3	< 1	176	< 5	< 20	1	< 20	< 10	60	42	5	< 5
179572	76.05	16.91	0.60	0.075	0.05	0.20	4.02	2.20	0.002	0.16	0.63	100.9	< 1	178	< 5	< 20	1	< 20	< 10	60	42	6	< 5
179573	75.24	16.19	0.75	0.112	0.07	0.16	3.53	2.54	0.003	0.14	0.59	99.32	< 1	156	< 5	< 20	1	< 20	< 10	80	41	5	< 5
179574	75.08	15.89	0.55	0.090	0.05	0.17	4.11	3.06	0.004	0.15	0.58	99.72	< 1	149	< 5	< 20	< 1	< 20	20	60	36	5	< 5
179575	74.24	15.56	0.58	0.065	0.04	0.19	4.30	3.03	0.004	0.13	0.57	98.71	< 1	171	< 5	< 20	< 1	< 20	< 10	30	37	5	< 5
179576	71.40	15.80	0.98	0.074	0.48	1.55	5.21	2.13	0.085	0.35	1.16	99.22	2	15	12	< 20	2	< 20	30	40	24	2	< 5
179577	69.84	16.62	1.33	0.031	0.83	2.14	5.43	1.27	0.143	0.04	1.36	99.03	2	2	16	< 20	3	< 20	< 10	< 30	19	1	< 5
179657	75.29	16.09	0.74	0.093	0.04	0.33	3.32	2.02	0.001	0.28	0.86	99.06	< 1	180	< 5	< 20	< 1	< 20	< 10	70	43	4	< 5
179658	73.98	16.18	0.61	0.070	0.03	0.33	4.07	3.13	0.001	0.29	0.79	99.49	< 1	123	< 5	< 20	< 1	< 20	< 10	60	35	4	< 5
179659	74.40	16.31	0.68	0.090	0.03	0.31	3.55	3.23	0.001	0.32	0.92	99.85	< 1	155	< 5	< 20	< 1	< 20	< 10	70	37	4	< 5
179660	96.99	0.68	0.91	0.008	0.02	0.43	0.09	0.07	0.027	< 0.01	0.51	99.71	< 1	< 1	< 5	< 20	1	< 20	< 10	< 30	1	1	< 5
179661	73.60	16.21	0.60	0.075	0.03	0.27	4.32	2.66	0.001	0.28	0.76	98.81	< 1	190	< 5	< 20	< 1	< 20	< 10	50	36	4	< 5
179662	75.44	16.04	0.66	0.076	0.03	0.23	3.86	2.58	0.002	0.20	0.73	99.84	< 1	154	< 5	< 20	< 1	< 20	< 10	90	41	4	< 5
179663	76.75	15.84	0.80	0.090	0.05	0.29	3.56	2.35	0.002	0.19	0.87	100.8	< 1	183	< 5	< 20	< 1	< 20	< 10	100	39	4	< 5
179664	73.65	15.96	0.72	0.083	0.04	0.27	3.96	2.76	0.001	0.23	0.87	98.54	< 1	161	< 5	< 20	< 1	< 20	< 10	50	40	3	< 5
179665	74.60	15.90	0.76	0.086	0.04	0.33	3.65	3.11	0.002	0.27	0.92	99.67	< 1	157	< 5	< 20	< 1	< 20	< 10	60	36	4	< 5
179666	75.31	16.42	0.71	0.083	0.04	0.34	3.92	2.88	0.002	0.25	0.80	100.8	< 1	135	< 5	< 20	< 1	< 20	< 10	60	36	4	< 5
179667	75.32	16.21	0.81	0.099	0.05	0.21	3.57	2.09	0.001	0.16	0.82	99.35	< 1	182	< 5	< 20	< 1	< 20	< 10	60	43	4	< 5
179668	75.15	16.48	0.68	0.073	0.05	0.25	3.93	3.01	0.002	0.17	0.86	100.7	< 1	148	< 5	< 20	1	< 20	10	40	39	4	< 5

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	Spec Grav
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2	GRAV
179558	145	557	2	73	2	< 2	< 0.5	< 0.2	2	< 0.5	45.1	412	0.4	2.5	2.3	< 1	1.4	< 5	0.3	0.2	0.07	0.15	
179559	832	38	< 2	23	52	< 2	< 0.5	< 0.2	47	< 0.5	58.9	116	1.5	2.9	50.5	< 1	4.9	9	2.0	4.3	0.47	1.00	
179560	3	10	< 2	21	1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	116	< 0.4	0.5	0.1	< 1	0.6	< 5	0.3	0.2	< 0.01	< 0.01	
179561	1190	25	< 2	35	60	< 2	< 0.5	< 0.2	92	< 0.5	79.1	59	4.9	3.3	63.1	1	8.5	11	1.5	6.0	0.66	1.43	
179562	1640	34	< 2	19	51	< 2	< 0.5	< 0.2	107	< 0.5	103	55	5.3	2.7	50.2	3	13.2	6	1.2	7.3	0.82	1.76	
179563	1220	26	< 2	31	51	< 2	< 0.5	< 0.2	57	< 0.5	66.1	27	5.2	2.9	38.1	< 1	8.3	9	2.1	11.6	0.47	1.01	
179564	1180	31	< 2	18	59	< 2	< 0.5	< 0.2	53	< 0.5	73.4	43	7.4	2.5	53.1	< 1	9.4	12	2.1	4.9	0.43	0.93	
179565	442	346	< 2	66	15	< 2	< 0.5	< 0.2	13	< 0.5	48.4	374	1.8	2.6	14.3	< 1	3.9	6	0.7	1.2	0.04	0.09	
179566	414	329	< 2	82	15	< 2	< 0.5	< 0.2	13	< 0.5	47.4	385	1.2	3.0	15.1	1	2.8	< 5	0.8	1.1	0.05	0.11	
179567	432	317	< 2	45	14	< 2	< 0.5	< 0.2	19	< 0.5	137	377	4.6	2.1	25.1	< 1	3.0	< 5	0.7	0.9	0.06	0.12	2.75
179568	944	78	< 2	15	35	< 2	< 0.5	< 0.2	43	< 0.5	82.1	184	50.5	1.5	31.9	< 1	6.3	9	2.0	5.8	0.48	1.02	
179569	1530	27	< 2	16	41	< 2	< 0.5	< 0.2	52	< 0.5	85.2	48	17.4	1.7	28.9	< 1	10.7	8	1.9	6.3	0.54	1.17	
179570	651	43	< 2	19	41	21	< 0.5	< 0.2	78	< 0.5	39.9	106	0.6	2.1	30.6	< 1	5.2	15	1.8	4.3	0.72	1.54	
179571	1020	25	< 2	17	43	< 2	< 0.5	< 0.2	109	< 0.5	59.2	50	2.8	2.3	31.1	< 1	6.9	7	1.4	6.2	0.70	1.50	
179572	970	28	< 2	18	58	< 2	< 0.5	< 0.2	108	< 0.5	62.9	65	9.3	2.2	31.9	< 1	7.2	5	1.4	6.6	0.78	1.68	
179573	982	22	< 2	27	32	< 2	< 0.5	< 0.2	115	< 0.5	58.3	72	12.4	1.6	23.4	< 1	6.8	7	1.4	5.0	0.85	1.83	
179574	1190	21	< 2	23	44	< 2	< 0.5	< 0.2	50	< 0.5	74.6	39	11.6	1.9	27.6	1	8.2	7	2.2	4.7	0.53	1.15	
179575	1110	23	< 2	12	33	< 2	< 0.5	< 0.2	55	< 0.5	80.1	56	62.5	1.6	25.1	< 1	8.3	9	2.8	4.6	0.43	0.93	
179576	439	313	< 2	45	10	< 2	< 0.5	< 0.2	24	< 0.5	71.1	315	9.3	2.3	15.0	1	3.8	6	0.9	1.4	0.04	0.09	
179577	87	457	< 2	97	1	< 2	< 0.5	< 0.2	3	< 0.5	21.3	389	1.4	3.0	0.4	< 1	1.0	< 5	0.3	0.3	0.04	0.09	2.71
179657	751	30	< 2	19	23	< 2	< 0.5	< 0.2	86	< 0.5	51.2	94	3.1	1.8	21.4	1	4.1	11	1.0	6.5	0.88	1.89	
179658	1110	28	< 2	19	23	< 2	< 0.5	< 0.2	66	< 0.5	74.7	20	2.3	1.9	20.3	1	7.7	12	1.0	5.3	0.48	1.04	
179659	1240	31	< 2	24	27	< 2	< 0.5	< 0.2	80	< 0.5	80.9	18	2.5	2.1	26.9	1	9.7	13	1.1	9.6	0.65	1.39	
179660	4	34	< 2	29	1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	188	< 0.4	0.8	0.2	< 1	1.4	< 5	0.4	0.2	< 0.01	< 0.01	
179661	1050	23	< 2	17	31	< 2	< 0.5	< 0.2	72	< 0.5	69.9	18	2.2	1.7	27.6	< 1	6.9	11	1.1	15.4	0.56	1.21	
179662	927	24	2	17	26	< 2	< 0.5	< 0.2	85	< 0.5	53.6	38	1.2	1.8	24.1	< 1	6.7	11	1.2	12.6	0.75	1.62	
179663	704	25	< 2	16	14	< 2	< 0.5	< 0.2	74	< 0.5	47.3	50	0.9	1.7	19.9	1	5.4	9	1.0	12.3	0.74	1.58	
179664	810	25	< 2	11	12	< 2	< 0.5	< 0.2	63	< 0.5	48.4	27	2.2	1.0	16.8	< 1	5.5	9	0.9	7.8	0.54	1.17	
179665	1050	29	< 2	20	25	< 2	< 0.5	< 0.2	81	< 0.5	85.1	37	2.6	2.1	35.3	1	7.6	15	1.3	4.7	0.59	1.28	
179666	974	31	< 2	18	23	< 2	< 0.5	< 0.2	83	< 0.5	80.3	40	1.6	2.0	36.5	1	7.3	14	1.3	4.5	0.61	1.31	2.77
179667	672	34	< 2	17	15	< 2	< 0.5	< 0.2	92	< 0.5	53.4	103	2.2	1.7	19.8	< 1	4.7	13	1.2	4.4	0.79	1.69	
179668	864	35	2	18	17	< 2	< 0.5	< 0.2	84	< 0.5	55.5	55	6.7	1.7	21.0	1	5.8	15	1.1	5.3	0.56	1.22	

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
NIST 694 Meas	11.21	1.92	0.76	0.013	0.34	43.07	0.87	0.53	0.119	30.28					1615								
NIST 694 Cert	11.2	1.80	0.790	0.0116	0.330	43.6	0.860	0.510	0.110	30.2					1740								
DNC-1 Meas	47.19	17.98	9.71	0.146	10.05	11.33	1.95	0.22	0.468	0.05			32		150	280	56	260	90	70			
DNC-1 Cert	47.15	18.34	9.97	0.150	10.13	11.49	1.890	0.234	0.480	0.070			31		148	270	57	247	100	70			
GBW 07113 Meas	72.64	13.45	3.28	0.143	0.15	0.61	2.53	5.49	0.292	0.02			5	4	< 5								
GBW 07113 Cert	72.8	13.0	3.21	0.140	0.160	0.590	2.57	5.43	0.300	0.0500			5.00	4.00	5.00								
LKSD-3 Meas																80	27	50	30	150			28
LKSD-3 Cert																87.0	30.0	47.0	35.0	152			27.0
TDB-1 Meas																250		100	350	160			
TDB-1 Cert																251		92	323	155			
W-2a Meas	52.09	15.21	10.28	0.164	6.27	11.01	2.19	0.60	1.037	0.12			35	< 1	265	90	43	80	110	80	18	2	< 5
W-2a Cert	52.4	15.4	10.7	0.163	6.37	10.9	2.14	0.626	1.06	0.130			36.0	1.30	262	92.0	43.0	70.0	110	80.0	17.0	1.00	1.20
SY-4 Meas	50.12	20.38	6.15	0.106	0.51	8.18	6.97	1.65	0.288	0.13			1	3	8								
SY-4 Cert	49.9	20.69	6.21	0.108	0.54	8.05	7.10	1.66	0.287	0.131			1.1	2.6	8.0								
CTA-AC-1 Meas																			60	40			
CTA-AC-1 Cert																			54.0	38.0			
BIR-1a Meas	48.03	16.17	11.27	0.172	9.74	13.40	1.85	0.02	0.983	0.01			44	< 1	320	400	48	180	120	70	15		
BIR-1a Cert	47.96	15.50	11.30	0.175	9.700	13.30	1.82	0.030	0.96	0.021			44	0.58	310	370	52	170	125	70	16		
NCS DC86312 Meas																							
NCS DC86312 Cert																							
ZW-C Meas																				1050	101		30
ZW-C Cert																				1050.00	99		31
NCS DC70009 (GBW07241) Meas																30	4	< 20	880	100	16	11	68
NCS DC70009 (GBW07241) Cert																30	3.7	2.8	960	100	16.5	11.2	69.9
OREAS 100a (Fusion) Meas																	17		160				
OREAS 100a (Fusion) Cert																	18.1		169				
OREAS 101a (Fusion) Meas																	47		430				
OREAS 101a (Fusion) Cert																	48.8		434				
OREAS 101b (Fusion) Meas																	45		420				
OREAS 101b (Fusion) Cert																	47		416				
JR-1 Meas																		< 20	< 10	30	15	2	15

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Meas																							
NCS DC86304 Cert																							
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Lithium Tetraborate FX-LT 100 lot#220610B Meas																							
Lithium Tetraborate FX-LT 100 lot#220610B																							

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Cert																							
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Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
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Lithium Tetraborate FX-LT 100 lot#220610B Cert																							
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Lithium Tetraborate FX-LT 100 lot#220610B Cert																							

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
179558 Orig																							
179558 Dup																							
179572 Orig																							
179572 Dup																							
179659 Orig																							
179659 Dup																							
179667 Orig	74.69	16.14	0.81	0.099	0.04	0.21	3.52	2.05	0.001	0.16	0.82	98.55	< 1	181	< 5	< 20	< 1	< 20	< 10	60	43	4	< 5
179667 Dup	75.95	16.28	0.81	0.099	0.05	0.20	3.62	2.13	0.001	0.17	0.82	100.1	< 1	183	< 5	< 20	< 1	< 20	< 10	50	42	4	< 5
179668 Orig																							
179668 Dup																							
Method Blank																							
Method Blank																< 20	< 1	< 20	< 10	< 30	< 1	< 1	< 5
Method Blank																							
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Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	Spec Grav
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2	GRAV
NIST 694 Meas																							
NIST 694 Cert																							
DNC-1 Meas		145	16	36								107											
DNC-1 Cert		144.0	18.0	38								118											
GBW 07113 Meas		42	46	409								506											
GBW 07113 Cert		43.0	43.0	403								506											
LKSD-3 Meas	75					< 2	2.5		2	1.2	2.5			4.4	0.7					4.2			
LKSD-3 Cert	78.0					2.00	2.70		3.00	1.30	2.30			4.80	0.700					4.60			
TDB-1 Meas	21																						
TDB-1 Cert	23																						
W-2a Meas	20	193	18	88		< 2						171	< 0.4		0.5	< 1	< 0.1		2.4	0.5			
W-2a Cert	21.0	190	24.0	94.0		0.600						182	0.0300		0.500	0.300	0.200		2.40	0.530			
SY-4 Meas		1203	115	516								347											
SY-4 Cert		1191	119	517								340											
CTA-AC-1 Meas														2.5					22.5	4.0			
CTA-AC-1 Cert														2.65					21.8	4.4			
BIR-1a Meas		113	14	17								8		0.6					< 5				
BIR-1a Cert		110	16	18								6		0.60					3				
NCS DC86312 Meas																				24.3			
NCS DC86312 Cert																				23.6			
ZW-C Meas	8690								1310		258				81.5	338	34.7						
ZW-C Cert	8500								1300		260				82	320	34						
NCS DC70009 (GBW07241) Meas	452							1.0	1760	3.0	37.8					2120	1.8		27.6				
NCS DC70009 (GBW07241) Cert	500							1.3	1701	3.1	41					2200	1.8		28.3				
OREAS 100a (Fusion) Meas						23													48.7	132			
OREAS 100a (Fusion) Cert						24.1													51.6	135			
OREAS 101a (Fusion) Meas						21													34.0	402			
OREAS 101a (Fusion) Cert						21.9													36.6	422			
OREAS 101b (Fusion) Meas						20													38.0	405			
OREAS 101b (Fusion) Cert						20.9													37.1	396			
JR-1 Meas	252				15	3		< 0.2	3		20.6		0.6	4.4	2.0	2	1.5	18	25.4	8.6			
JR-1 Cert	257				15.2	3.25		0.028	2.86		20.8		0.56	4.51	1.86	1.59	1.56	19.3	26.7	8.88			

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	Spec Grav	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-	
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01	
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2	GRAV	
NCS DC86303 Meas																						0.22	0.48	
NCS DC86303 Cert																						0.21	0.460	
NCS DC86303 Meas																						0.22	0.47	
NCS DC86303 Cert																						0.21	0.460	
NCS DC86303 Meas																						0.20	0.44	
NCS DC86303 Cert																						0.21	0.460	
NCS DC86303 Meas																						0.21	0.46	
NCS DC86303 Cert																						0.21	0.460	
NCS DC86303 Meas																						0.21	0.45	
NCS DC86303 Cert																						0.21	0.460	
NCS DC86303 Meas																						0.22	0.47	
NCS DC86303 Cert																						0.21	0.460	
NCS DC86303 Meas																						0.22	0.47	
NCS DC86303 Cert																						0.21	0.460	
NCS DC86304 Meas																						1.04	2.24	
NCS DC86304 Cert																						1.06	2.29	
NCS DC86304 Meas																						1.05	2.25	
NCS DC86304 Cert																						1.06	2.29	
NCS DC86304 Meas																						1.06	2.28	
NCS DC86304 Cert																						1.06	2.29	
NCS DC86304 Meas																						0.99	2.13	
NCS DC86304 Cert																						1.06	2.29	
NCS DC86304 Meas																						1.11	2.39	

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	Spec Grav		
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-		
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01		
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2	GRAV		
NCS DC86304 Cert																						1.06	2.29		
NCS DC86304 Meas																							1.07	2.30	
NCS DC86304 Cert																							1.06	2.29	
NCS DC86304 Meas																							1.10	2.36	
NCS DC86304 Cert																							1.06	2.29	
NCS DC86314 Meas																							1.76	3.79	
NCS DC86314 Cert																							1.81	3.89	
NCS DC86314 Meas																							1.74	3.74	
NCS DC86314 Cert																							1.81	3.89	
NCS DC86314 Meas																							1.75	3.77	
NCS DC86314 Cert																							1.81	3.89	
NCS DC86314 Meas																							1.74	3.74	
NCS DC86314 Cert																							1.81	3.89	
NCS DC86314 Meas																							1.72	3.71	
NCS DC86314 Cert																							1.81	3.89	
NCS DC86314 Meas																							1.88	4.04	
NCS DC86314 Cert																							1.81	3.89	
NCS DC86314 Meas																							1.83	3.95	
NCS DC86314 Cert																							1.81	3.89	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							7.98		
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							8		

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	Spec Grav	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-	
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01	
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2	GRAV	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.19		
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8		
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						7.97		
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8		
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.00		
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8		
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.16		
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8		
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.30		
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8		
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						7.89		
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8		
Lithium																						8.07		

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	Spec Grav	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-	
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01	
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2	GRAV	
Tetraborate FX-LT 100 lot#220610B Meas																								
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8		
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.03		
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8		
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.00		
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8		
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.30		
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8		
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.26		
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8		
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.63		
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8		
179558 Orig																						0.07	0.15	

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	Spec Grav
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2	GRAV
179558 Dup																					0.07	0.15	
179572 Orig																					0.78	1.68	
179572 Dup																					0.78	1.67	
179659 Orig																					0.65	1.40	
179659 Dup																					0.64	1.38	
179667 Orig	682	34	< 2	18	15	< 2	< 0.5	< 0.2	94	< 0.5	54.3	102	2.5	1.7	18.5	< 1	5.0	12	1.1	4.5			
179667 Dup	662	34	< 2	17	15	< 2	< 0.5	< 0.2	90	< 0.5	52.6	104	1.9	1.6	21.0	1	4.4	13	1.3	4.3			
179668 Orig																					0.56	1.20	
179668 Dup																					0.57	1.23	
Method Blank																							< 0.01
Method Blank	< 2				< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5		< 0.4	< 0.2	< 0.1	< 1	< 0.1	< 5	< 0.1	< 0.1			
Method Blank																					< 0.01	< 0.01	
Method Blank																					< 0.01	< 0.01	
Method Blank																					< 0.01	0.01	
Method Blank																					< 0.01	< 0.01	
Method Blank																					< 0.01	< 0.01	
Method Blank																					< 0.01	< 0.01	
Method Blank																					< 0.01	< 0.01	
Method Blank																					< 0.01	< 0.01	
Method Blank																					< 0.01	< 0.01	



Date Submitted: 29-Nov-16
Invoice No.: A16-12770
Invoice Date: 29-Dec-16
Your Reference: Georgia Lake Lithium

Rock Tech Lithium Inc.
789 West Pender Street
Suite 1200
Vancouver BC V6C 1H6
Canada

ATTN: Julie Selway

CERTIFICATE OF ANALYSIS

64 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 4Litho-Pegmatite Special Major Elements Fusion ICP(WRA)/Trace Elements Fusion ICP/MS(WRA4B2)

Code 8-Li (Sodium Peroxide Fusion) Sodium Peroxide Fusion

REPORT **A16-12770**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Total includes all elements in % oxide to the left of total.

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written over a horizontal line.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Date Submitted: 29-Nov-16
Invoice No.: A16-12770
Invoice Date: 29-Dec-16
Your Reference: Georgia Lake Lithium

**Rock Tech Lithium Inc.
789 West Pender Street
Suite 1200
Vancouver BC V6C 1H6
Canada**

ATTN: Julie Selway

CERTIFICATE OF ANALYSIS

64 Rock samples were submitted for analysis.

The following analytical package(s) were requested: Code Specific Gravity - Tbay Pulp

REPORT **A16-12770**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Total includes all elements in % oxide to the left of total.

CERTIFIED BY:



Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6
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E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Results

Activation Laboratories Ltd.

Report: A16-12770

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
179578	74.80	15.23	0.71	0.061	0.06	0.22	5.86	2.33	0.010	0.06	0.69	100.0	< 1	169	6	< 20	1	< 20	< 10	< 30	38	5	< 5
179579	73.73	16.14	1.66	0.105	0.05	0.16	4.14	3.04	0.003	0.09	0.42	99.53	< 1	159	< 5	< 20	1	< 20	< 10	50	40	6	< 5
179580	98.57	0.60	0.50	0.006	0.03	0.03	0.04	0.05	0.026	< 0.01	0.34	100.2	< 1	< 1	6	< 20	< 1	< 20	< 10	< 30	1	1	< 5
179581	73.88	17.12	0.78	0.125	0.04	0.17	3.60	2.64	0.003	0.09	0.46	98.91	< 1	166	< 5	< 20	< 1	< 20	< 10	50	43	5	< 5
179582	75.42	16.79	0.74	0.080	0.04	0.16	3.62	1.81	0.002	0.14	0.44	99.24	< 1	191	< 5	< 20	< 1	< 20	< 10	60	42	5	< 5
179583	74.32	16.32	0.70	0.075	0.05	0.15	3.82	2.44	0.003	0.13	0.57	98.57	< 1	167	5	< 20	< 1	< 20	< 10	70	43	5	< 5
179584	74.69	16.78	0.70	0.107	0.05	0.13	3.62	2.51	0.002	0.09	0.45	99.13	< 1	177	< 5	< 20	< 1	< 20	< 10	60	39	5	< 5
179585	74.28	16.85	0.83	0.122	0.04	0.13	3.83	2.41	0.004	0.07	0.49	99.06	< 1	181	< 5	20	< 1	< 20	< 10	40	45	6	< 5
179586	73.87	16.37	0.78	0.115	0.04	0.13	4.07	2.83	0.004	0.06	0.55	98.83	< 1	207	< 5	< 20	< 1	< 20	< 10	40	38	5	< 5
179587	73.29	15.68	0.55	0.069	0.06	0.15	5.33	4.39	0.008	0.09	0.61	100.2	< 1	165	7	< 20	< 1	< 20	< 10	< 30	33	5	< 5
179588	70.84	16.60	1.37	0.036	0.72	2.04	5.96	1.37	0.138	0.05	1.20	100.3	2	7	15	< 20	3	< 20	< 10	30	19	1	< 5
179589	71.13	16.77	1.27	0.039	0.93	0.88	5.67	1.75	0.107	0.08	1.31	99.93	2	25	10	20	2	< 20	< 10	< 30	21	1	< 5
179590	85.92	8.20	1.67	0.047	0.05	0.17	1.71	1.31	0.030	0.06	0.13	99.29	< 1	75	< 5	20	1	< 20	30	50	20	2	< 5
179591	75.95	16.45	0.80	0.083	0.05	0.18	4.34	2.38	0.003	0.13	0.39	100.8	< 1	173	< 5	20	< 1	< 20	< 10	< 30	42	5	< 5
179592	75.39	16.47	0.70	0.081	0.04	0.18	3.91	3.26	0.003	0.13	0.40	100.6	< 1	176	< 5	< 20	< 1	< 20	< 10	< 30	39	5	< 5
179593	75.68	16.30	0.78	0.079	0.05	0.32	3.93	2.30	0.008	0.18	0.41	100.0	< 1	176	< 5	< 20	< 1	< 20	< 10	40	39	5	< 5
179594	74.44	16.44	0.96	0.114	0.17	0.69	3.95	2.26	0.032	0.11	0.60	99.77	< 1	125	< 5	< 20	1	< 20	< 10	60	32	4	< 5
179595	75.20	16.77	0.71	0.065	0.02	0.21	3.57	2.87	0.002	0.16	0.36	99.95	< 1	152	< 5	< 20	< 1	< 20	< 10	40	40	5	< 5
179596	74.72	16.38	0.58	0.058	0.01	0.23	3.81	3.84	0.001	0.20	0.42	100.3	< 1	176	< 5	< 20	< 1	< 20	< 10	50	36	5	< 5
179597	75.35	16.68	0.62	0.064	0.02	0.20	3.51	3.41	0.001	0.18	0.36	100.4	< 1	170	< 5	< 20	< 1	< 20	< 10	40	32	4	< 5
179598	73.87	16.79	0.82	0.136	0.06	0.28	3.78	2.31	0.009	0.12	0.50	98.68	< 1	160	< 5	< 20	< 1	< 20	< 10	50	41	5	< 5
179599	70.49	16.17	1.21	0.029	0.56	2.68	5.54	1.10	0.116	0.04	0.91	98.84	2	2	12	< 20	2	< 20	< 10	< 30	18	1	< 5
179600	97.35	0.57	0.47	0.005	0.02	0.03	0.04	0.05	0.027	< 0.01	0.27	98.81	< 1	< 1	< 5	< 20	< 1	< 20	< 10	< 30	1	1	< 5
179601	68.44	16.08	3.06	0.079	1.16	2.01	4.64	3.15	0.417	0.11	1.16	100.3	4	3	39	30	6	< 20	10	80	21	1	< 5
179602	74.21	15.96	0.74	0.086	0.05	0.25	4.23	3.00	0.003	0.17	0.42	99.11	< 1	169	< 5	< 20	< 1	< 20	< 10	60	41	5	< 5
179603	74.58	15.71	0.65	0.097	0.05	0.31	4.16	3.37	0.001	0.17	0.44	99.55	< 1	167	< 5	< 20	< 1	< 20	< 10	70	36	5	< 5
179604	74.46	16.11	0.65	0.091	0.04	0.24	3.68	2.76	0.001	0.15	0.43	98.62	< 1	179	< 5	< 20	< 1	< 20	< 10	80	40	5	< 5
179605	75.77	16.26	0.72	0.086	0.05	0.19	3.28	2.47	0.002	0.19	0.34	99.36	< 1	178	< 5	30	< 1	< 20	< 10	100	41	5	< 5
179606	75.98	15.42	0.63	0.080	0.02	0.18	3.30	2.46	0.001	0.12	0.36	98.55	< 1	184	< 5	20	< 1	< 20	< 10	100	40	6	< 5
179607	75.93	16.66	0.87	0.110	0.04	0.22	2.72	2.81	0.003	0.16	0.43	99.95	< 1	143	< 5	20	< 1	< 20	< 10	100	44	6	< 5
179608	75.28	15.88	0.74	0.079	0.04	0.21	3.97	2.30	0.003	0.13	0.34	98.96	< 1	193	< 5	30	< 1	< 20	< 10	80	41	6	< 5
179609	68.82	15.75	2.79	0.067	1.04	2.07	4.75	3.35	0.385	0.21	1.03	100.3	4	11	39	20	7	< 20	10	110	22	1	< 5
179610	74.00	15.86	3.32	0.094	0.07	0.29	3.55	2.56	0.004	0.13	-0.01	99.87	< 1	153	< 5	30	1	20	50	90	39	4	< 5
179611	74.65	16.52	0.47	0.027	0.03	0.24	3.77	2.48	0.003	0.25	0.53	98.97	< 1	188	< 5	< 20	< 1	< 20	< 10	40	36	5	< 5
179612	78.47	14.69	0.59	0.031	0.04	0.19	1.86	2.06	0.003	0.25	0.61	98.81	< 1	126	< 5	30	< 1	< 20	< 10	50	39	6	< 5
179613	76.57	16.95	0.66	0.052	0.04	0.31	3.00	0.99	0.003	0.26	0.48	99.31	< 1	157	< 5	30	< 1	< 20	< 10	60	42	6	< 5
179614	75.84	16.41	0.60	0.039	0.03	0.19	3.09	2.11	0.004	0.21	0.37	98.87	< 1	136	< 5	30	< 1	< 20	< 10	170	35	5	< 5
179615	75.53	16.02	0.50	0.027	0.04	0.22	3.94	2.21	0.003	0.22	0.51	99.23	< 1	116	< 5	40	< 1	< 20	< 10	160	34	4	< 5
179616	74.97	16.25	0.38	0.028	0.03	0.23	4.99	2.84	0.002	0.29	0.47	100.5	< 1	99	< 5	20	< 1	< 20	< 10	140	29	5	< 5
179617	69.44	17.95	1.15	0.025	0.87	2.69	5.68	1.25	0.093	0.06	1.27	100.5	1	4	7	< 20	4	< 20	< 10	< 30	15	1	< 5
179618	76.51	16.15	0.62	0.028	0.10	0.13	1.66	2.51	0.005	0.07	0.76	98.56	< 1	136	< 5	30	< 1	< 20	< 10	30	39	6	< 5

Results

Activation Laboratories Ltd.

Report: A16-12770

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01		1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
179619	70.51	17.34	0.27	0.006	0.04	0.21	3.83	7.47	0.004	0.25	0.53	100.4	< 1	27	< 5	< 20	< 1	< 20	< 10	< 30	19	5	< 5
179620	97.97	0.72	0.41	0.005	0.03	0.03	0.03	0.05	0.023	< 0.01	0.34	99.59	< 1	< 1	8	< 20	< 1	< 20	< 10	< 30	1	1	< 5
179621	82.16	10.62	0.51	0.009	0.07	0.18	3.49	1.91	0.009	0.07	0.61	99.64	< 1	60	< 5	30	< 1	< 20	20	< 30	15	4	< 5
179622	74.18	15.35	0.38	0.013	0.06	0.28	2.11	6.88	0.002	0.27	0.54	100.1	< 1	149	< 5	20	< 1	< 20	< 10	< 30	22	5	< 5
179623	71.21	17.41	1.06	0.024	0.77	2.24	5.61	1.16	0.077	0.02	1.13	100.7	1	5	8	20	2	< 20	< 10	< 30	15	1	< 5
179624	70.42	16.96	1.18	0.019	0.64	2.89	5.31	1.16	0.111	0.02	1.01	99.71	< 1	7	8	< 20	3	< 20	< 10	< 30	15	1	< 5
179625	76.97	16.13	0.58	0.028	0.06	0.17	1.44	3.53	0.004	0.18	0.79	99.89	< 1	222	< 5	20	1	< 20	< 10	40	41	6	< 5
179626	75.28	16.30	0.53	0.028	0.05	0.17	1.79	3.50	0.004	0.21	0.94	98.80	< 1	337	< 5	20	1	< 20	< 10	50	40	6	< 5
179627	77.02	19.54	0.64	0.046	0.06	0.17	0.60	0.88	0.004	0.05	0.56	99.57	< 1	65	< 5	70	2	< 20	< 10	< 30	49	7	< 5
179628	69.42	22.63	0.68	0.040	0.14	0.33	2.46	1.97	0.006	0.07	1.38	99.12	< 1	60	< 5	< 20	< 1	< 20	< 10	40	54	6	< 5
179629	75.47	17.12	0.64	0.032	0.12	0.40	2.05	2.21	0.013	0.18	0.61	98.85	< 1	194	< 5	20	1	< 20	< 10	< 30	38	6	< 5
179630	86.69	8.11	1.69	0.049	0.05	0.17	1.75	1.31	0.036	0.07	0.09	100.0	< 1	75	< 5	20	1	< 20	30	50	21	2	< 5
179631	71.09	16.65	1.33	0.020	0.89	2.81	5.22	1.15	0.134	0.04	1.09	100.4	1	2	11	< 20	3	< 20	< 10	< 30	14	1	< 5
179669	74.08	15.23	0.67	0.039	0.09	0.30	5.34	2.12	0.008	0.16	0.87	98.91	< 1	94	< 5	< 20	1	< 20	< 10	< 30	35	3	< 5
179670	85.91	8.28	1.71	0.050	0.05	0.17	1.78	1.32	0.037	0.06	0.08	99.44	< 1	77	< 5	20	1	< 20	30	60	21	2	< 5
179671	65.14	15.01	6.48	0.112	2.89	3.22	3.19	1.86	0.584	0.11	1.28	99.87	15	2	110	150	21	60	50	90	18	1	< 5
179672	60.18	17.04	7.57	0.128	4.15	2.12	2.99	3.18	0.667	0.16	2.11	100.3	21	5	141	230	29	110	20	80	22	2	< 5
179673	72.95	15.70	0.79	0.070	0.11	0.40	4.67	2.88	0.004	0.29	0.82	98.67	< 1	112	< 5	< 20	1	< 20	20	< 30	36	4	< 5
179674	72.97	15.87	0.62	0.028	0.12	0.40	4.73	3.85	0.003	0.29	0.84	99.72	< 1	108	< 5	< 20	1	< 20	< 10	< 30	34	3	< 5
179675	73.84	16.85	0.71	0.074	0.09	0.23	3.76	3.69	0.002	0.20	0.70	100.1	< 1	147	< 5	< 20	1	< 20	10	50	39	4	< 5
179676	74.17	16.57	0.98	0.082	0.18	0.30	4.00	3.35	0.023	0.23	0.69	100.6	< 1	144	7	30	1	< 20	< 10	40	35	3	< 5
179677	73.72	16.58	0.77	0.068	0.10	0.25	4.67	2.82	0.010	0.20	0.68	99.88	< 1	134	< 5	< 20	1	< 20	< 10	< 30	36	4	< 5
179678	62.46	17.59	6.58	0.112	3.57	1.07	2.49	3.58	0.551	0.18	2.35	100.5	16	30	110	180	22	100	< 10	60	25	2	< 5

Results

Activation Laboratories Ltd.

Report: A16-12770

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	Spec Grav
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2	GRAV
179578	600	32	< 2	12	23	< 2	< 0.5	< 0.2	56	< 0.5	49.2	34	29.2	1.3	16.2	< 1	3.5	8	2.9	1.6	0.01	0.03	
179579	1010	25	< 2	11	30	< 2	< 0.5	< 0.2	55	< 0.5	64.4	84	24.9	1.3	21.6	< 1	7.1	7	2.3	2.6	0.67	1.43	
179580	3	14	< 2	27	1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	226	< 0.4	0.7	0.1	< 1	1.1	< 5	0.4	0.2	< 0.01	< 0.01	
179581	961	26	< 2	14	21	< 2	< 0.5	< 0.2	108	< 0.5	59.1	84	7.1	2.0	17.7	< 1	5.9	7	1.7	2.9	0.89	1.91	
179582	750	17	< 2	11	27	< 2	< 0.5	< 0.2	117	< 0.5	43.6	36	10.8	1.5	15.1	< 1	5.4	< 5	1.1	2.8	0.94	2.02	
179583	969	18	< 2	11	45	< 2	< 0.5	< 0.2	89	< 0.5	58.2	59	17.3	1.4	28.2	1	6.9	< 5	1.4	2.7	0.74	1.60	
179584	915	19	< 2	12	22	2	< 0.5	< 0.2	99	< 0.5	55.3	54	5.3	1.3	16.7	1	6.6	< 5	1.2	1.7	0.81	1.74	
179585	845	18	< 2	14	29	< 2	< 0.5	< 0.2	82	< 0.5	63.1	50	13.1	1.8	24.5	< 1	6.2	9	2.2	2.7	0.81	1.74	
179586	865	19	< 2	12	28	< 2	< 0.5	< 0.2	70	< 0.5	63.1	46	11.9	1.5	23.6	< 1	6.2	< 5	2.1	2.2	0.63	1.37	
179587	907	26	< 2	11	18	< 2	< 0.5	< 0.2	46	< 0.5	69.5	34	48.2	1.3	15.4	1	6.7	6	2.2	3.3	< 0.01	0.02	2.67
179588	144	445	< 2	66	2	< 2	< 0.5	< 0.2	2	< 0.5	31.3	420	1.4	2.3	3.3	< 1	1.8	< 5	0.3	0.4	0.04	0.09	
179589	294	294	< 2	51	5	< 2	< 0.5	< 0.2	16	< 0.5	34.9	330	6.8	1.8	2.8	< 1	1.7	< 5	0.8	1.1	0.03	0.07	
179590	337	24	< 2	61	15	12	< 0.5	< 0.2	35	< 0.5	20.0	62	< 0.4	2.2	12.8	1	1.9	7	2.2	3.2	0.37	0.79	
179591	801	22	< 2	10	30	< 2	< 0.5	< 0.2	56	< 0.5	59.1	79	53.5	1.3	18.5	< 1	5.1	9	2.7	3.7	0.69	1.47	
179592	1190	24	< 2	11	30	< 2	< 0.5	< 0.2	43	< 0.5	79.3	69	26.9	1.4	21.7	< 1	8.1	7	2.4	3.6	0.65	1.40	
179593	822	46	< 2	16	34	< 2	< 0.5	< 0.2	57	< 0.5	66.4	94	30.8	1.4	21.3	< 1	6.1	6	2.6	3.5	0.72	1.55	
179594	743	137	< 2	27	20	< 2	< 0.5	< 0.2	61	< 0.5	68.4	177	28.1	2.0	17.7	< 1	5.4	6	1.7	3.1	0.62	1.34	
179595	1160	26	< 2	7	13	< 2	< 0.5	< 0.2	82	< 0.5	57.1	82	13.5	0.8	8.4	< 1	7.4	< 5	1.1	2.0	0.77	1.66	
179596	1590	32	< 2	9	26	< 2	< 0.5	< 0.2	54	< 0.5	86.3	77	13.8	1.1	18.5	< 1	11.4	15	1.3	2.7	0.58	1.25	
179597	1230	29	< 2	7	23	< 2	< 0.5	< 0.2	58	< 0.5	61.8	50	13.7	0.7	11.8	< 1	9.4	5	1.0	2.3	0.69	1.48	2.79
179598	843	48	< 2	16	23	< 2	< 0.5	< 0.2	91	< 0.5	57.9	92	16.8	1.8	18.1	< 1	6.7	6	1.8	2.3	0.75	1.61	
179599	74	504	2	220	1	< 2	< 0.5	< 0.2	2	< 0.5	16.3	392	< 0.4	6.2	0.4	< 1	1.7	< 5	0.4	0.4	0.06	0.12	
179600	2	9	< 2	35	< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	148	< 0.4	0.9	< 0.1	< 1	0.3	< 5	0.3	0.2	< 0.01	< 0.01	
179601	125	760	5	125	3	< 2	< 0.5	< 0.2	1	< 0.5	12.7	987	< 0.4	3.5	0.3	< 1	0.6	17	6.9	2.5	0.07	0.15	
179602	1120	30	< 2	15	33	< 2	< 0.5	< 0.2	82	< 0.5	69.9	104	28.9	1.8	25.0	< 1	6.6	10	2.4	4.5	0.61	1.31	
179603	1300	41	< 2	12	23	< 2	< 0.5	< 0.2	50	< 0.5	73.0	144	14.0	1.2	14.2	< 1	9.1	19	1.5	3.2	0.50	1.07	
179604	1180	32	< 2	10	18	< 2	< 0.5	< 0.2	65	< 0.5	77.2	60	14.5	1.2	9.7	< 1	8.8	6	1.3	2.8	0.75	1.61	
179605	1050	28	< 2	18	20	< 2	< 0.5	< 0.2	70	< 0.5	73.2	30	26.9	1.3	13.6	< 1	6.9	8	1.4	4.0	0.91	1.95	
179606	1130	29	< 2	13	24	< 2	< 0.5	< 0.2	72	< 0.5	83.1	29	20.7	1.7	17.2	< 1	8.7	6	1.9	4.9	0.87	1.87	
179607	1180	31	< 2	17	30	2	< 0.5	< 0.2	142	< 0.5	91.9	87	5.8	2.3	25.0	< 1	9.0	7	2.0	5.3	1.02	2.21	2.79
179608	863	30	< 2	12	31	2	< 0.5	< 0.2	83	< 0.5	67.4	88	25.0	1.5	18.7	< 1	6.8	15	2.3	2.5	0.76	1.64	
179609	261	696	5	122	7	< 2	< 0.5	< 0.2	8	< 0.5	70.1	946	0.9	3.5	2.3	< 1	2.7	22	6.5	2.2	0.09	0.19	
179610	656	46	< 2	19	39	22	< 0.5	< 0.2	78	< 0.5	38.1	110	< 0.4	1.7	30.1	2	3.7	13	2.0	4.6	0.74	1.59	
179611	1600	32	< 2	6	63	< 2	< 0.5	< 0.2	89	< 0.5	199	48	1.1	0.7	46.8	1	11.2	6	0.3	2.2	0.71	1.53	
179612	1380	28	< 2	84	55	2	< 0.5	< 0.2	110	< 0.5	176	69	4.2	2.2	62.7	< 1	9.1	< 5	0.4	2.1	0.97	2.09	
179613	546	29	< 2	8	77	2	< 0.5	< 0.2	131	< 0.5	91.0	101	0.5	1.3	99.6	< 1	3.4	< 5	0.3	2.4	1.18	2.53	
179614	1270	28	< 2	9	69	2	< 0.5	< 0.2	135	< 0.5	161	85	< 0.4	1.1	49.6	1	9.1	5	0.5	2.9	0.99	2.12	
179615	1300	27	< 2	9	47	2	< 0.5	< 0.2	114	< 0.5	152	84	1.7	1.2	42.3	< 1	9.5	6	0.3	2.1	0.64	1.37	
179616	1710	30	< 2	10	55	< 2	< 0.5	< 0.2	84	< 0.5	178	54	0.8	1.0	48.9	1	12.7	5	0.4	3.2	0.27	0.57	
179617	142	410	2	45	2	< 2	< 0.5	< 0.2	7	< 0.5	93.1	438	< 0.4	1.2	0.6	2	1.5	< 5	0.2	0.2	0.06	0.12	2.75
179618	1740	36	< 2	6	72	3	< 0.5	< 0.2	174	< 0.5	317	72	< 0.4	0.4	58.8	1	11.4	< 5	0.2	0.6	0.99	2.13	

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	Spec Grav
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2	GRAV
179619	4450	87	< 2	4	25	< 2	< 0.5	< 0.2	39	< 0.5	703	89	< 0.4	0.2	37.7	< 1	34.4	7	0.1	1.0	< 0.01	0.02	
179620	3	7	< 2	30	< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	101	< 0.4	0.6	0.1	< 1	1.2	< 5	0.6	0.1	< 0.01	< 0.01	
179621	1180	47	< 2	7	8	2	< 0.5	< 0.2	54	< 0.5	228	110	< 0.4	0.6	16.4	< 1	8.0	< 5	0.1	0.6	< 0.01	0.02	
179622	4020	67	< 2	6	54	< 2	< 0.5	< 0.2	62	< 0.5	467	110	< 0.4	0.3	38.3	< 1	31.7	5	0.2	1.3	0.27	0.58	
179623	157	399	< 2	39	2	< 2	< 0.5	< 0.2	7	< 0.5	105	376	< 0.4	1.1	0.4	1	2.4	5	0.3	0.2	0.05	0.10	
179624	93	436	< 2	42	4	< 2	< 0.5	< 0.2	3	< 0.5	48.4	378	< 0.4	1.0	1.1	< 1	0.8	< 5	0.2	0.2	0.04	0.08	
179625	2470	44	< 2	6	87	< 2	< 0.5	< 0.2	195	< 0.5	347	60	< 0.4	0.6	73.6	1	17.5	< 5	0.3	1.0	0.88	1.90	
179626	2500	44	< 2	9	129	< 2	< 0.5	< 0.2	158	< 0.5	380	52	< 0.4	1.8	116	1	17.8	< 5	0.4	1.4	0.69	1.48	
179627	644	23	< 2	10	35	3	< 0.5	< 0.2	262	< 0.5	145	48	< 0.4	1.7	71.6	< 1	4.2	< 5	0.2	0.8	2.05	4.42	2.99
179628	1360	58	< 2	7	158	< 2	< 0.5	< 0.2	248	< 0.5	223	84	< 0.4	0.8	120	1	7.9	< 5	0.4	1.6	1.41	3.03	
179629	1480	80	< 2	18	88	2	< 0.5	< 0.2	328	< 0.5	272	94	< 0.4	0.8	54.8	1	10.7	< 5	0.3	1.0	1.20	2.59	
179630	331	25	< 2	65	19	12	< 0.5	< 0.2	37	< 0.5	19.5	64	< 0.4	1.9	17.1	1	2.6	8	2.1	2.5	0.36	0.78	
179631	69	417	< 2	54	2	< 2	< 0.5	< 0.2	2	< 0.5	28.7	370	< 0.4	1.3	0.5	< 1	0.7	< 5	0.2	0.1	0.04	0.09	
179669	551	41	< 2	22	17	< 2	< 0.5	< 0.2	69	< 0.5	26.3	72	4.7	1.4	18.9	1	2.9	12	1.2	4.9	0.06	0.13	
179670	338	25	3	58	16	11	< 0.5	< 0.2	38	< 0.5	19.6	65	< 0.4	1.8	14.6	1	2.1	10	2.1	2.4	0.36	0.78	
179671	77	413	11	155	5	< 2	< 0.5	< 0.2	3	< 0.5	17.5	562	< 0.4	3.6	0.5	< 1	0.6	14	7.6	2.3	0.06	0.13	
179672	282	243	12	122	6	8	< 0.5	< 0.2	10	< 0.5	70.3	742	< 0.4	3.1	1.1	1	1.7	14	8.0	3.1	0.09	0.20	
179673	805	43	2	21	26	< 2	< 0.5	< 0.2	73	< 0.5	62.0	106	1.6	1.7	34.7	1	5.1	11	1.2	5.4	0.17	0.37	
179674	1130	49	3	21	29	< 2	< 0.5	< 0.2	74	< 0.5	82.8	112	1.2	2.0	29.8	1	7.5	8	1.2	2.7	0.02	0.04	2.68
179675	1100	47	2	37	44	< 2	< 0.5	< 0.2	87	< 0.5	72.2	97	3.6	3.3	37.6	1	7.7	15	1.5	7.2	0.47	1.02	
179676	925	41	< 2	22	21	< 2	< 0.5	< 0.2	70	< 0.5	63.7	114	2.0	1.3	38.2	< 1	6.4	11	1.4	4.6	0.47	1.01	
179677	745	28	< 2	20	17	< 2	< 0.5	< 0.2	78	< 0.5	45.0	90	1.1	1.5	22.7	1	5.3	11	1.0	4.4	0.37	0.79	
179678	325	142	9	108	12	< 2	< 0.5	< 0.2	23	< 0.5	66.7	798	0.5	3.0	7.1	2	2.3	9	6.6	3.1	0.08	0.18	

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
NIST 694 Meas	11.21	1.92	0.76	0.013	0.34	43.07	0.87	0.53	0.119	30.28					1615								
NIST 694 Cert	11.2	1.80	0.790	0.0116	0.330	43.6	0.860	0.510	0.110	30.2					1740								
DNC-1 Meas	47.19	17.98	9.71	0.146	10.05	11.33	1.95	0.22	0.468	0.05			32		150	280	56	260	90	70			
DNC-1 Cert	47.15	18.34	9.97	0.150	10.13	11.49	1.890	0.234	0.480	0.070			31		148	270	57	247	100	70			
GBW 07113 Meas	72.64	13.45	3.28	0.143	0.15	0.61	2.53	5.49	0.292	0.02			5	4	< 5								
GBW 07113 Cert	72.8	13.0	3.21	0.140	0.160	0.590	2.57	5.43	0.300	0.0500			5.00	4.00	5.00								
LKSD-3 Meas																80	27	50	30	150			28
LKSD-3 Cert																87.0	30.0	47.0	35.0	152			27.0
TDB-1 Meas																250		100	350	160			
TDB-1 Cert																251		92	323	155			
W-2a Meas	52.09	15.21	10.28	0.164	6.27	11.01	2.19	0.60	1.037	0.12			35	< 1	265	90	43	80	110	80	18	2	< 5
W-2a Cert	52.4	15.4	10.7	0.163	6.37	10.9	2.14	0.626	1.06	0.130			36.0	1.30	262	92.0	43.0	70.0	110	80.0	17.0	1.00	1.20
SY-4 Meas	50.12	20.38	6.15	0.106	0.51	8.18	6.97	1.65	0.288	0.13			1	3	8								
SY-4 Cert	49.9	20.69	6.21	0.108	0.54	8.05	7.10	1.66	0.287	0.131			1.1	2.6	8.0								
CTA-AC-1 Meas																			60	40			
CTA-AC-1 Cert																			54.0	38.0			
BIR-1a Meas	48.03	16.17	11.27	0.172	9.74	13.40	1.85	0.02	0.983	0.01			44	< 1	320	400	48	180	120	70	15		
BIR-1a Cert	47.96	15.50	11.30	0.175	9.700	13.30	1.82	0.030	0.96	0.021			44	0.58	310	370	52	170	125	70	16		
NCS DC86312 Meas																							
NCS DC86312 Cert																							
ZW-C Meas																				1050	101		30
ZW-C Cert																				1050.00	99		31
NCS DC70009 (GBW07241) Meas																30	4	< 20	880	100	16	11	68
NCS DC70009 (GBW07241) Cert																30	3.7	2.8	960	100	16.5	11.2	69.9
OREAS 100a (Fusion) Meas																	17		160				
OREAS 100a (Fusion) Cert																	18.1		169				
OREAS 101a (Fusion) Meas																	47		430				
OREAS 101a (Fusion) Cert																	48.8		434				
OREAS 101b (Fusion) Meas																	45		420				
OREAS 101b (Fusion) Cert																	47		416				
JR-1 Meas																		< 20	< 10	30	15	2	15

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5	
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	
JR-1 Cert																		1.67	2.68	30.6	16.1	1.88	16.3	
NCS DC86303 Meas																								
NCS DC86303 Cert																								
NCS DC86303 Meas																								
NCS DC86303 Cert																								
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Lithium Tetraborate FX-LT 100 lot#220610B Meas																								
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Lithium																								

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Tetraborate FX-LT 100 lot#220610B Cert																							
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							
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Lithium Tetraborate FX-LT 100 lot#220610B Meas																							
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							
179584 Orig																							
179584 Dup																							
179592 Orig																							
179592 Dup																							
179593 Orig	75.35	16.40	0.78	0.079	0.05	0.31	3.95	2.30	0.007	0.17	0.41	99.81	< 1	178	< 5	< 20	< 1	< 20	< 10	30	39	5	< 5
179593 Dup	76.01	16.21	0.78	0.079	0.05	0.32	3.90	2.31	0.008	0.18	0.41	100.3	< 1	175	< 5	< 20	1	< 20	< 10	50	39	5	< 5
179606 Orig																							
179606 Dup																							
179614 Orig																							
179614 Dup																							
179624 Orig	70.14	17.49	1.16	0.019	0.63	2.85	5.44	1.19	0.110	0.03	1.01	100.1	1	7	9	20	2	< 20	< 10	< 30	14	1	< 5

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
179624 Dup	70.69	16.43	1.20	0.020	0.65	2.92	5.17	1.12	0.113	0.01	1.01	99.34	< 1	7	7	< 20	3	< 20	< 10	< 30	15	1	< 5
179627 Orig	77.02	19.54	0.64	0.046	0.06	0.17	0.60	0.88	0.004	0.05	0.56	99.57	< 1	65	< 5	70	2	< 20	< 10	< 30	49	7	< 5
179627 Split PREP DUP	76.57	19.26	0.62	0.052	0.06	0.16	0.59	0.87	0.004	0.04	0.54	98.77	< 1	74	< 5	80	2	< 20	< 10	< 30	48	7	< 5
179628 Orig																							
179628 Dup																							
179677 Orig	73.69	16.72	0.77	0.068	0.10	0.26	4.70	2.83	0.010	0.21	0.68	100.0	< 1	136	< 5	30	1	< 20	< 10	< 30	36	4	< 5
179677 Dup	73.76	16.45	0.77	0.069	0.10	0.25	4.63	2.81	0.010	0.20	0.68	99.73	< 1	133	< 5	< 20	1	< 20	< 10	< 30	36	4	< 5
Method Blank																							
Method Blank																< 20	< 1	< 20	< 10	< 30	< 1	< 1	< 5
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	Spec Grav
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2	GRAV
NIST 694 Meas																							
NIST 694 Cert																							
DNC-1 Meas		145	16	36								107											
DNC-1 Cert		144.0	18.0	38								118											
GBW 07113 Meas		42	46	409								506											
GBW 07113 Cert		43.0	43.0	403								506											
LKSD-3 Meas	75					< 2	2.5		2	1.2	2.5			4.4	0.7					4.2			
LKSD-3 Cert	78.0					2.00	2.70		3.00	1.30	2.30			4.80	0.700					4.60			
TDB-1 Meas	21																						
TDB-1 Cert	23																						
W-2a Meas	20	193	18	88		< 2						171	< 0.4		0.5	< 1	< 0.1		2.4	0.5			
W-2a Cert	21.0	190	24.0	94.0		0.600						182	0.0300		0.500	0.300	0.200		2.40	0.530			
SY-4 Meas		1203	115	516								347											
SY-4 Cert		1191	119	517								340											
CTA-AC-1 Meas															2.5					22.5	4.0		
CTA-AC-1 Cert															2.65					21.8	4.4		
BIR-1a Meas		113	14	17								8		0.6						< 5			
BIR-1a Cert		110	16	18								6		0.60						3			
NCS DC86312 Meas																					24.3		
NCS DC86312 Cert																					23.6		
ZW-C Meas	8690								1310		258				81.5	338	34.7						
ZW-C Cert	8500								1300		260				82	320	34						
NCS DC70009 (GBW07241) Meas	452							1.0	1760	3.0	37.8					2120	1.8			27.6			
NCS DC70009 (GBW07241) Cert	500							1.3	1701	3.1	41					2200	1.8			28.3			
OREAS 100a (Fusion) Meas						23														48.7	132		
OREAS 100a (Fusion) Cert						24.1														51.6	135		
OREAS 101a (Fusion) Meas						21														34.0	402		
OREAS 101a (Fusion) Cert						21.9														36.6	422		
OREAS 101b (Fusion) Meas						20														38.0	405		
OREAS 101b (Fusion) Cert						20.9														37.1	396		
JR-1 Meas	252				15	3		< 0.2	3		20.6		0.6	4.4	2.0	2	1.5	18	25.4	8.6			
JR-1 Cert	257				15.2	3.25		0.028	2.86		20.8		0.56	4.51	1.86	1.59	1.56	19.3	26.7	8.88			

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	Spec Grav	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-	
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01	
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2	GRAV	
NCS DC86303 Meas																						0.22	0.48	
NCS DC86303 Cert																						0.21	0.460	
NCS DC86303 Meas																						0.21	0.45	
NCS DC86303 Cert																						0.21	0.460	
NCS DC86304 Meas																						1.04	2.25	
NCS DC86304 Cert																						1.06	2.29	
NCS DC86304 Meas																						1.07	2.31	
NCS DC86304 Cert																						1.06	2.29	
NCS DC86304 Meas																						1.09	2.35	
NCS DC86304 Cert																						1.06	2.29	
NCS DC86314 Meas																						1.76	3.78	
NCS DC86314 Cert																						1.81	3.89	
NCS DC86314 Meas																						1.80	3.88	
NCS DC86314 Cert																						1.81	3.89	
NCS DC86314 Meas																						1.82	3.93	
NCS DC86314 Cert																						1.81	3.89	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						7.97		
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8		
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						7.94		
Lithium Tetraborate FX-LT 100 lot#220610B																						8		

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	Spec Grav
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2	GRAV
Cert																							
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.04	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.00	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.27	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.15	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8	
179584 Orig																						0.80	1.73
179584 Dup																						0.82	1.76
179592 Orig																						0.66	1.41
179592 Dup																						0.64	1.39
179593 Orig	825	47	< 2	15	31	< 2	< 0.5	< 0.2	57	< 0.5	66.4	94	32.4	1.3	19.5	< 1	6.4	6	2.7	3.5			
179593 Dup	819	46	< 2	16	36	< 2	< 0.5	< 0.2	56	< 0.5	66.5	94	29.1	1.6	23.0	1	5.7	5	2.4	3.4			
179606 Orig																						0.87	1.88
179606 Dup																						0.86	1.85
179614 Orig																						0.99	2.14
179614 Dup																						0.98	2.11
179624 Orig	92	441	< 2	40	4	< 2	< 0.5	< 0.2	2	< 0.5	47.8	389	< 0.4	1.0	1.2	< 1	0.9	< 5	0.2	0.2			
179624 Dup	94	432	< 2	44	3	< 2	< 0.5	< 0.2	3	< 0.5	49.0	368	< 0.4	1.1	1.0	< 1	0.7	< 5	0.2	0.2			
179627 Orig	644	23	< 2	10	35	3	< 0.5	< 0.2	262	< 0.5	145	48	< 0.4	1.7	71.6	< 1	4.2	< 5	0.2	0.8	2.05	4.42	

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	Spec Grav
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2	GRAV
179627 Split PREP DUP	653	22	< 2	11	40	3	< 0.5	< 0.2	242	< 0.5	150	48	< 0.4	1.8	78.8	< 1	3.8	< 5	0.2	0.8	2.07	4.45	
179628 Orig																					1.40	3.02	
179628 Dup																					1.41	3.04	
179677 Orig	745	28	< 2	20	17	2	< 0.5	< 0.2	78	< 0.5	45.2	90	1.2	1.6	23.9	1	5.3	12	1.1	4.4			
179677 Dup	744	28	< 2	20	16	< 2	< 0.5	< 0.2	77	< 0.5	44.8	90	1.0	1.4	21.5	1	5.2	10	1.0	4.4			
Method Blank																							< 0.01
Method Blank	< 2				< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5		< 0.4	< 0.2	< 0.1	< 1	< 0.1	< 5	< 0.1	< 0.1			
Method Blank																					< 0.01	< 0.01	
Method Blank																					< 0.01	< 0.01	
Method Blank																					< 0.01	< 0.01	

Certificates of Analysis - Drilling



Date Submitted: 17-May-17
Invoice No.: A17-04920 (i)
Invoice Date: 13-Jun-17
Your Reference:

Rock Tech Lithium Inc.
600 777 Hornby Street
Vancouver BC V6Z 1S4
Canada

ATTN: Brad Barnett - Invoices

CERTIFICATE OF ANALYSIS

125 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 4Litho-Pegmatite Special Major Elements Fusion ICP(WRA)/Trace Elements Fusion ICP/MS(WRA4B2)

Code 8-Li (Sodium Peroxide Fusion) Sodium Peroxide Fusion

Code Specific Gravity Pulp

REPORT **A17-04920 (i)**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Total includes all elements in % oxide to the left of total.

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written in a cursive, somewhat stylized font.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
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TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
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Results

Activation Laboratories Ltd.

Report: A17-04920

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
881539	63.79	15.67	6.11	0.112	2.73	2.20	3.37	2.27	0.536	0.20	2.01	99.01	16	29	116	130	20	60	50	70	23	2	< 5
881540	55.43	17.83	8.52	0.131	3.02	6.98	3.80	2.19	1.174	0.41	0.76	100.2	20	3	154	30	21	20	30	100	25	2	< 5
881541	67.75	17.63	2.27	0.066	0.98	1.20	3.06	3.50	0.176	0.41	2.72	99.77	8	12	47	50	5	20	< 10	40	49	3	< 5
881542	58.99	16.28	5.53	0.137	2.49	4.14	2.32	2.87	0.475	1.09	4.99	99.31	13	34	86	130	14	60	< 10	60	43	2	< 5
881543	75.66	15.29	0.82	0.050	0.19	0.48	4.39	1.95	0.039	0.07	1.33	100.3	< 1	85	9	< 20	2	< 20	< 10	< 30	37	3	< 5
881544	64.18	15.86	6.56	0.096	3.08	2.15	3.31	2.55	0.604	0.14	1.83	100.4	17	5	128	150	21	70	30	110	19	1	< 5
881545	59.91	17.11	6.65	0.088	3.32	2.46	2.50	3.53	0.645	0.28	1.97	98.46	18	21	131	130	25	80	50	90	25	3	< 5
881546	59.63	17.26	6.80	0.085	3.32	2.83	2.44	3.45	0.640	0.33	2.02	98.81	17	21	129	120	23	80	60	80	24	3	< 5
881547	73.34	17.51	0.67	0.151	0.09	0.37	4.16	1.93	0.014	0.12	1.01	99.35	< 1	169	< 5	< 20	< 1	< 20	< 10	< 30	40	4	< 5
881548	73.46	17.02	0.61	0.163	0.03	0.18	3.62	2.53	0.006	0.05	0.56	98.22	< 1	170	< 5	< 20	< 1	< 20	< 10	180	38	4	< 5
881549	73.23	17.21	0.54	0.347	0.02	0.34	6.88	0.43	0.005	0.14	0.51	99.64	< 1	163	< 5	< 20	< 1	< 20	< 10	160	40	6	< 5
881550	73.78	15.20	3.24	0.097	0.07	0.28	3.48	2.47	0.003	0.15	0.20	98.97	< 1	150	< 5	30	1	30	50	100	40	3	< 5
881551	74.09	16.18	0.62	0.328	0.06	0.34	5.92	0.91	0.007	0.12	0.73	99.31	< 1	222	< 5	< 20	< 1	< 20	< 10	90	43	5	< 5
881552	75.98	15.53	0.69	0.123	0.05	0.24	3.04	1.78	0.006	0.05	0.54	98.04	< 1	185	< 5	< 20	< 1	< 20	< 10	100	39	4	< 5
881553	73.26	16.03	0.59	0.387	0.03	0.38	6.91	0.60	0.005	0.11	0.48	98.79	< 1	132	< 5	< 20	< 1	< 20	10	< 30	34	4	< 5
881554	76.58	15.40	0.75	0.120	0.10	0.29	3.07	1.42	0.011	0.07	0.97	98.78	< 1	229	< 5	< 20	< 1	< 20	10	< 30	44	4	< 5
881555	64.11	15.75	6.16	0.110	3.01	2.41	3.18	2.36	0.617	0.13	1.56	99.39	17	39	122	150	22	70	40	90	19	1	< 5
881556	59.75	17.57	6.54	0.102	3.38	3.32	3.06	2.99	0.706	0.30	2.10	99.82	16	16	120	140	22	70	60	110	24	2	< 5
881557	73.89	16.49	0.65	0.126	0.23	0.31	3.14	2.73	0.008	0.08	1.16	98.82	< 1	159	< 5	< 20	< 1	< 20	< 10	50	42	4	< 5
881558	75.01	14.99	0.75	0.091	0.22	0.47	4.14	2.36	0.026	0.12	1.16	99.34	< 1	120	6	< 20	< 1	< 20	< 10	60	39	4	< 5
881559	61.87	16.61	6.40	0.100	3.42	3.59	2.82	2.67	0.652	0.28	1.40	99.80	14	13	116	140	20	60	40	100	22	2	< 5
881560	56.02	17.59	8.01	0.121	2.78	6.56	3.81	2.23	1.102	0.35	0.63	99.21	18	3	143	20	19	< 20	20	90	24	1	< 5
881561	69.67	16.15	1.28	0.022	0.75	2.58	5.57	1.31	0.095	0.07	1.68	99.17	1	3	10	< 20	3	< 20	< 10	40	15	< 1	< 5
881562	71.62	16.16	0.32	0.025	0.04	0.79	8.22	0.60	0.005	1.17	0.67	99.61	< 1	137	< 5	< 20	< 1	< 20	< 10	< 30	32	7	< 5
881563	69.12	19.62	0.61	0.024	0.11	0.37	2.70	4.36	0.014	0.11	2.36	99.40	< 1	446	< 5	< 20	< 1	< 20	< 10	80	59	4	< 5
881564	70.76	16.37	0.37	0.015	0.06	0.35	4.92	4.54	0.001	0.49	0.66	98.52	< 1	104	< 5	< 20	< 1	< 20	< 10	< 30	26	6	< 5
881565	76.90	15.18	0.64	0.039	0.03	0.22	2.81	1.83	0.003	0.20	0.53	98.40	< 1	206	< 5	< 20	< 1	< 20	< 10	40	38	5	< 5
881566	77.08	15.25	0.63	0.044	0.05	0.25	3.15	1.29	0.003	0.20	0.62	98.56	< 1	206	< 5	< 20	< 1	< 20	< 10	60	38	5	< 5
881567	69.66	16.61	1.46	0.025	0.84	2.63	5.45	1.26	0.106	0.10	1.65	99.78	1	3	10	< 20	3	< 20	< 10	50	15	< 1	< 5
881568	69.66	15.37	1.36	0.025	0.86	3.12	5.09	1.30	0.105	0.24	1.18	98.30	1	10	10	< 20	3	< 20	< 10	< 30	17	1	< 5
881569	71.28	14.68	0.98	0.030	0.46	1.60	5.48	1.92	0.045	0.90	1.16	98.54	< 1	77	5	< 20	2	< 20	< 10	40	28	3	< 5
881570	85.36	7.95	1.68	0.049	0.06	0.16	1.74	1.29	0.033	0.07	0.12	98.51	< 1	76	< 5	30	1	< 20	30	50	21	2	< 5
881571	69.31	16.11	1.43	0.025	0.89	3.37	5.06	1.16	0.123	0.22	1.34	99.01	1	8	11	< 20	4	< 20	< 10	40	17	1	< 5
881572	70.24	15.74	1.35	0.022	0.95	2.39	5.47	1.38	0.094	0.15	1.45	99.23	1	8	8	< 20	3	< 20	< 10	< 30	16	< 1	< 5
881573	74.64	15.00	0.52	0.019	0.03	0.21	1.34	5.79	0.003	0.25	0.71	98.51	< 1	159	< 5	< 20	< 1	< 20	< 10	40	33	5	< 5
881574	73.70	14.47	0.51	0.013	0.03	0.22	1.75	6.74	0.003	0.33	0.64	98.41	< 1	172	< 5	< 20	< 1	< 20	< 10	< 30	23	6	< 5
881575	71.07	15.17	0.39	0.007	0.02	0.39	2.27	8.98	0.001	0.40	0.39	99.10	< 1	15	< 5	< 20	< 1	< 20	< 10	< 30	14	6	< 5
881576	70.34	18.84	0.50	0.021	0.08	0.40	6.74	0.97	0.005	0.62	1.08	99.60	< 1	243	< 5	< 20	< 1	< 20	< 10	< 30	39	8	< 5
881577	72.12	16.51	0.25	0.015	0.02	0.44	8.36	0.39	0.002	0.90	0.49	99.50	< 1	162	8	< 20	< 1	< 20	< 10	< 30	34	8	< 5
881578	70.01	16.43	1.69	0.032	0.91	2.54	5.44	1.19	0.114	0.20	1.52	100.1	1	9	10	< 20	3	< 20	< 10	40	16	1	< 5
881579	71.68	16.16	0.77	0.027	0.31	0.50	3.36	5.42	0.003	0.30	1.21	99.75	< 1	83	< 5	< 20	< 1	< 20	< 10	< 30	28	5	< 5

Results

Activation Laboratories Ltd.

Report: A17-04920

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
881580	56.08	17.59	7.69	0.117	2.78	6.91	3.80	2.08	1.004	0.34	1.13	99.51	18	3	140	20	19	< 20	20	100	25	1	< 5
881581	69.63	16.64	1.34	0.029	0.92	2.38	5.88	1.32	0.106	0.06	1.94	100.2	1	3	9	< 20	3	< 20	< 10	< 30	15	< 1	< 5
881582	69.56	16.67	1.34	0.024	0.99	3.10	5.34	1.16	0.104	0.07	1.47	99.84	2	4	10	< 20	3	< 20	< 10	< 30	16	< 1	< 5
881583	76.56	14.80	0.69	0.038	0.09	0.27	1.48	2.44	0.005	0.29	0.80	97.45	< 1	132	< 5	< 20	< 1	< 20	< 10	110	40	5	< 5
881584	73.30	15.56	0.44	0.017	0.11	0.81	8.17	0.48	0.009	0.87	0.62	100.4	< 1	147	< 5	< 20	1	< 20	< 10	30	29	5	< 5
881585	68.23	17.43	1.62	0.019	1.07	1.68	6.24	1.53	0.096	0.08	1.91	99.91	2	11	10	< 20	3	< 20	< 10	< 30	16	< 1	< 5
881586	68.66	16.98	1.72	0.020	1.05	1.65	6.24	1.55	0.091	0.09	1.88	99.93	1	9	11	< 20	3	< 20	< 10	< 30	18	1	< 5
881587	67.70	18.09	1.27	0.031	0.73	3.80	5.41	0.91	0.106	0.05	1.30	99.40	1	2	9	< 20	3	< 20	< 10	< 30	14	< 1	< 5
881588	76.97	14.02	0.56	0.046	0.02	0.35	4.30	1.24	0.002	0.99	0.74	99.23	< 1	214	< 5	< 20	< 1	< 20	< 10	50	33	5	< 5
881589	70.59	15.66	0.47	0.040	0.03	0.54	1.82	5.79	0.002	1.74	0.86	97.53	< 1	294	< 5	< 20	< 1	< 20	< 10	30	28	6	< 5
881590	73.35	15.19	3.28	0.096	0.06	0.28	3.62	2.52	0.003	1.15	0.08	98.63	< 1	150	< 5	30	1	20	50	100	40	3	< 5
881591	68.06	15.61	0.36	0.028	0.02	0.39	2.99	5.29	0.001	1.80	1.04	95.59	< 1	448	< 5	< 20	< 1	< 20	< 10	< 30	21	7	< 5
881592	70.29	16.35	0.41	0.040	0.02	0.41	4.20	4.61	0.002	1.27	0.76	98.38	< 1	193	< 5	< 20	< 1	< 20	< 10	120	30	6	< 5
881593	72.96	14.99	0.57	0.042	0.03	0.22	1.91	5.17	0.002	0.33	0.50	96.74	< 1	119	< 5	< 20	< 1	< 20	< 10	40	31	5	< 5
881594	68.53	16.59	1.23	0.039	0.72	3.49	5.65	0.95	0.101	0.05	1.49	98.84	1	2	10	< 20	3	< 20	< 10	30	15	< 1	< 5
881595	69.19	16.47	1.27	0.024	0.90	3.01	5.24	1.12	0.103	0.05	1.46	98.82	1	2	9	< 20	3	< 20	< 10	50	14	< 1	< 5
881596	73.39	15.26	0.69	0.027	0.18	0.56	2.78	3.05	0.010	1.21	1.06	98.21	< 1	262	< 5	< 20	< 1	< 20	< 10	60	35	6	< 5
881597	68.30	16.20	1.57	0.021	1.17	1.67	6.14	1.49	0.103	0.06	1.99	98.71	1	4	10	< 20	3	< 20	< 10	< 30	15	< 1	< 5
881598	69.52	16.27	1.38	0.030	0.84	3.38	5.51	1.01	0.115	0.05	1.39	99.49	1	2	10	< 20	3	< 20	< 10	< 30	15	< 1	< 5
881599	74.00	16.62	0.43	0.040	0.02	0.18	1.35	2.48	0.003	0.26	0.62	95.99	< 1	105	< 5	< 20	< 1	< 20	< 10	< 30	42	6	< 5
881600	55.30	17.00	8.55	0.132	2.85	6.76	3.72	2.12	1.091	0.33	0.95	98.80	20	3	142	30	19	< 20	20	100	24	1	< 5
881601	74.13	16.78	0.39	0.040	0.03	0.32	1.46	2.73	0.003	0.41	0.78	97.07	< 1	157	< 5	< 20	< 1	< 20	< 10	< 30	37	7	< 5
881602	74.30	15.10	0.38	0.029	0.02	0.24	2.29	4.18	0.002	0.31	0.50	97.36	< 1	294	< 5	< 20	< 1	< 20	< 10	< 30	28	7	< 5
881603	75.38	16.68	0.42	0.039	0.02	0.19	2.91	0.66	0.003	0.39	0.78	97.47	< 1	179	< 5	< 20	< 1	< 20	< 10	40	44	7	< 5
881604	75.96	16.26	0.44	0.045	0.02	0.18	2.40	0.56	0.003	0.19	0.54	96.59	< 1	196	< 5	< 20	< 1	< 20	< 10	30	42	6	< 5
881605	69.23	15.92	1.11	0.027	0.67	3.64	5.65	0.96	0.099	0.05	1.46	98.82	1	3	9	< 20	3	< 20	< 10	< 30	15	< 1	< 5
881606	68.16	16.94	1.17	0.027	0.70	3.57	5.55	1.00	0.103	0.05	1.47	98.74	1	2	8	< 20	3	< 20	< 10	< 30	15	< 1	< 5
881607	68.84	16.69	1.27	0.022	0.83	3.45	5.25	1.33	0.109	0.11	1.19	99.09	1	5	10	< 20	3	< 20	< 10	< 30	16	1	< 5
881608	73.54	15.42	0.30	0.029	0.06	0.41	7.22	0.73	0.003	0.79	0.62	99.12	< 1	226	< 5	< 20	< 1	< 20	< 10	60	31	5	< 5
881609	69.98	15.29	1.53	0.033	0.89	1.81	4.89	1.94	0.093	0.68	1.82	98.96	1	21	12	< 20	3	< 20	< 10	50	23	2	< 5
881610	85.66	8.19	1.68	0.050	0.05	0.17	1.78	1.33	0.035	0.07	0.17	99.17	< 1	76	< 5	20	< 1	< 20	30	50	20	2	< 5
881611	68.88	16.84	1.32	0.026	0.91	2.04	5.33	1.91	0.094	0.45	1.59	99.39	1	6	10	< 20	3	< 20	< 10	< 30	19	1	< 5
881612	65.88	18.42	1.15	0.052	0.71	4.24	6.45	0.87	0.102	0.37	1.25	99.49	2	29	8	< 20	2	< 20	< 10	40	22	2	< 5
881613	76.16	14.85	0.42	0.064	0.02	0.30	1.41	3.16	0.004	0.23	0.83	97.45	< 1	209	< 5	< 20	< 1	< 20	< 10	60	39	4	< 5
881614	74.73	17.74	0.46	0.048	0.02	0.19	1.00	0.47	0.003	1.03	0.80	96.48	< 1	49	< 5	< 20	< 1	< 20	< 10	< 30	43	6	< 5
881615	75.26	16.86	0.37	0.046	0.02	0.23	1.31	1.92	0.002	0.38	0.70	97.10	< 1	77	< 5	< 20	< 1	< 20	< 10	< 30	39	7	< 5
881616	71.37	16.69	0.10	0.013	< 0.01	0.30	9.15	0.20	0.001	1.30	0.59	99.72	< 1	279	< 5	< 20	< 1	< 20	< 10	< 30	31	9	< 5
881617	71.22	16.72	0.23	0.067	0.02	0.39	8.27	0.64	0.001	0.88	0.74	99.18	< 1	206	< 5	< 20	< 1	< 20	< 10	< 30	33	7	< 5
881618	72.64	16.53	0.28	0.040	0.02	0.25	3.77	3.31	0.002	0.51	0.71	98.07	< 1	153	< 5	< 20	< 1	< 20	< 10	30	29	5	< 5
881619	69.75	17.12	1.14	0.039	0.65	3.19	5.53	1.06	0.096	0.09	1.30	99.96	1	6	8	< 20	2	< 20	< 10	< 30	16	1	< 5
881620	54.72	17.81	8.98	0.141	3.15	6.90	3.74	2.19	1.232	0.40	0.51	99.77	21	3	162	30	21	20	20	100	24	1	< 5

Results

Activation Laboratories Ltd.

Report: A17-04920

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
881621	67.15	17.91	1.46	0.031	0.91	3.88	5.81	0.98	0.127	0.08	1.25	99.58	2	9	10	< 20	3	< 20	< 10	30	20	1	< 5
881622	74.38	14.86	0.32	0.014	0.07	0.42	5.46	3.29	0.012	0.19	0.78	99.80	< 1	165	< 5	< 20	< 1	< 20	< 10	50	23	3	< 5
881623	69.60	16.95	1.18	0.021	0.74	3.56	5.34	1.02	0.103	0.04	1.26	99.82	1	2	8	< 20	3	< 20	< 10	30	15	< 1	< 5
881624	70.48	16.11	1.21	0.021	0.86	1.61	5.43	1.75	0.081	0.15	1.68	99.38	1	17	7	< 20	2	< 20	< 10	< 30	19	2	< 5
881625	72.96	15.12	0.59	0.020	0.26	1.67	4.59	2.96	0.033	0.76	1.38	100.3	< 1	124	5	< 20	< 1	< 20	< 10	40	31	3	< 5
881626	70.32	15.59	0.60	0.020	0.31	1.71	4.46	3.25	0.040	0.73	1.37	98.39	< 1	119	6	< 20	< 1	< 20	< 10	40	30	3	< 5
881627	70.41	16.56	1.24	0.025	0.92	2.94	5.28	1.23	0.106	0.04	1.28	100.0	1	3	9	< 20	3	< 20	< 10	< 30	15	< 1	< 5
881628	70.19	16.23	1.32	0.023	0.91	2.63	5.57	1.38	0.103	0.07	1.57	100.0	1	4	8	< 20	3	< 20	< 10	< 30	15	< 1	< 5
881629	72.62	16.24	0.27	0.047	0.05	0.70	8.67	0.43	0.004	0.50	0.61	100.1	< 1	84	< 5	< 20	< 1	< 20	< 10	< 30	29	6	< 5
881630	73.43	15.31	3.30	0.097	0.06	0.28	3.38	2.43	0.003	0.16	0.11	98.56	< 1	152	< 5	40	1	70	50	100	39	4	< 5
881631	70.72	16.12	1.35	0.019	0.93	2.23	5.21	1.35	0.101	0.04	1.72	99.79	1	3	9	< 20	2	< 20	< 10	< 30	14	< 1	< 5
881632	68.16	16.75	1.42	0.027	0.78	2.49	5.79	1.39	0.103	0.44	2.15	99.51	1	9	9	< 20	3	< 20	< 10	< 30	16	1	< 5
881633	66.32	16.35	0.76	0.040	0.51	3.89	3.08	3.60	0.077	2.59	2.30	99.52	1	8	7	< 20	2	< 20	< 10	50	32	3	< 5
881634	68.11	16.61	1.27	0.026	0.83	2.72	5.02	1.68	0.117	0.40	2.17	98.95	1	5	10	< 20	3	< 20	< 10	130	16	1	< 5
881635	75.63	15.99	0.48	0.033	0.05	0.28	1.65	1.70	0.004	0.08	1.09	96.99	< 1	165	< 5	< 20	< 1	< 20	< 10	50	42	5	< 5
881636	73.81	17.34	0.41	0.029	0.05	0.29	3.76	0.96	0.004	0.23	1.00	97.89	< 1	269	< 5	< 20	< 1	< 20	< 10	< 30	39	7	< 5
881637	71.55	14.77	0.21	0.006	0.02	0.29	2.51	8.39	0.001	0.33	0.73	98.81	< 1	7	< 5	< 20	< 1	< 20	< 10	< 30	16	6	< 5
881638	70.22	16.50	0.25	0.012	0.03	0.33	3.46	7.25	0.001	0.39	0.81	99.25	< 1	149	< 5	< 20	< 1	< 20	< 10	< 30	21	5	< 5
881639	67.43	17.85	1.18	0.023	0.77	3.44	5.52	1.25	0.110	0.07	2.09	99.75	1	2	9	< 20	3	< 20	< 10	< 30	15	< 1	< 5
881640	54.35	18.25	8.81	0.130	3.03	6.99	3.77	2.22	1.189	0.38	0.68	99.80	21	3	149	60	21	20	30	100	25	2	< 5
881641	68.83	17.17	1.07	0.019	0.69	3.55	5.51	1.20	0.098	0.16	1.49	99.78	< 1	10	9	< 20	2	< 20	< 10	70	15	< 1	< 5
881642	76.55	16.15	0.46	0.045	0.05	0.33	1.32	1.39	0.004	0.24	0.73	97.27	< 1	220	< 5	< 20	< 1	< 20	< 10	430	43	5	< 5
881643	78.83	13.57	0.69	0.035	0.08	0.31	0.78	2.37	0.006	0.14	0.69	97.51	< 1	202	< 5	< 20	< 1	< 20	< 10	< 30	33	5	< 5
881644	67.22	17.64	0.22	0.006	0.03	0.44	3.95	9.13	0.001	0.46	0.58	99.68	< 1	91	< 5	< 20	< 1	< 20	< 10	< 30	19	5	< 5
881645	71.20	16.42	0.89	0.012	0.45	0.90	6.75	1.94	0.054	0.16	1.36	100.2	< 1	8	7	< 20	< 1	< 20	< 10	< 30	18	2	< 5
881646	71.58	16.17	0.87	0.012	0.45	1.15	6.49	1.84	0.055	0.15	1.53	100.3	< 1	7	7	< 20	< 1	< 20	< 10	< 30	17	2	< 5
881647	68.47	16.87	1.24	0.020	0.81	3.08	5.73	1.39	0.103	0.13	1.76	99.60	1	3	10	< 20	3	< 20	< 10	< 30	16	< 1	< 5
881648	64.93	19.62	1.33	0.023	0.82	2.46	6.69	2.14	0.117	0.26	1.77	100.1	1	16	10	< 20	4	< 20	< 10	40	21	2	< 5
881649	64.56	20.87	0.67	0.020	0.27	1.63	7.02	2.69	0.040	0.62	1.95	100.3	< 1	77	5	< 20	1	< 20	< 10	40	36	3	< 5
881650	85.99	8.07	1.67	0.050	0.05	0.16	1.73	1.29	0.036	0.07	0.21	99.33	< 1	77	< 5	20	< 1	< 20	30	50	20	2	< 5
881651	84.63	8.24	0.66	0.011	0.06	0.35	3.60	0.76	0.005	0.09	0.70	99.10	< 1	150	< 5	< 20	< 1	< 20	< 10	< 30	16	4	< 5
881652	80.55	11.06	0.56	0.012	0.05	0.40	4.80	0.90	0.005	0.30	0.67	99.30	< 1	161	< 5	< 20	< 1	< 20	< 10	< 30	23	6	< 5
881653	75.43	13.96	0.41	0.012	0.05	0.44	6.34	1.61	0.003	0.47	0.66	99.39	< 1	133	< 5	< 20	< 1	< 20	< 10	< 30	28	7	< 5
881654	72.77	15.22	0.54	0.018	0.17	0.45	2.47	6.49	0.004	0.39	1.14	99.64	< 1	239	< 5	< 20	< 1	< 20	< 10	30	30	5	< 5
881655	70.74	16.19	1.25	0.026	0.71	2.61	5.40	1.36	0.097	0.05	1.47	99.89	1	4	8	< 20	2	< 20	< 10	< 30	14	< 1	< 5
881656	70.63	16.02	1.48	0.015	0.78	3.15	5.49	0.95	0.112	0.04	1.05	99.71	1	3	11	< 20	5	< 20	30	< 30	14	< 1	< 5
881657	73.13	16.48	0.56	0.016	0.14	0.55	6.29	1.73	0.012	0.30	0.88	100.1	< 1	147	< 5	< 20	< 1	< 20	< 10	40	35	5	< 5
881658	76.69	15.21	0.72	0.034	0.12	0.18	1.54	1.18	0.003	0.09	0.86	96.63	< 1	123	< 5	< 20	< 1	< 20	20	40	43	5	< 5
881659	62.60	22.59	1.56	0.041	1.09	0.31	0.82	3.93	0.002	0.06	3.21	96.21	< 1	47	< 5	< 20	< 1	< 20	< 10	< 30	60	6	< 5
881660	54.48	18.54	8.53	0.134	2.91	6.87	3.92	2.17	1.193	0.34	0.85	99.94	20	3	142	30	19	< 20	20	100	25	1	< 5
881661	66.51	16.74	2.53	0.017	1.39	0.82	3.61	6.33	0.166	0.20	1.81	100.1	4	14	28	50	4	30	< 10	< 30	19	3	< 5

Results

Activation Laboratories Ltd.

Report: A17-04920

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
881662	70.89	15.12	2.10	0.022	0.89	0.80	4.33	3.35	0.149	0.34	1.36	99.35	4	42	28	50	5	30	10	< 30	27	3	< 5
881663	61.81	17.16	6.03	0.063	3.54	1.31	4.92	1.19	0.488	0.12	2.89	99.51	11	7	85	160	11	80	< 10	< 30	20	2	< 5

Results

Activation Laboratories Ltd.

Report: A17-04920

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	Spec Grav
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2	GRAV
881539	371	281	11	111	17	< 2	< 0.5	< 0.2	17	< 0.5	77.5	569	< 0.4	2.9	19.6	3	2.3	12	7.2	2.4	0.07	0.15	
881540	108	572	40	316	12	< 2	0.8	< 0.2	2	< 0.5	1.4	715	< 0.4	7.8	0.7	< 1	0.5	13	4.4	1.8	< 0.01	< 0.01	
881541	1110	90	5	44	48	< 2	< 0.5	< 0.2	62	< 0.5	57.4	311	< 0.4	2.5	84.0	2	6.0	9	3.9	1.8	0.04	0.08	
881542	879	126	14	106	63	< 2	< 0.5	< 0.2	52	< 0.5	61.5	375	< 0.4	3.1	116	3	5.4	13	5.7	3.8	0.07	0.15	
881543	716	43	2	18	34	< 2	< 0.5	< 0.2	26	< 0.5	41.6	50	< 0.4	1.5	104	< 1	4.7	8	3.0	1.6	< 0.01	0.02	
881544	336	284	10	126	6	< 2	< 0.5	< 0.2	5	< 0.5	89.6	574	< 0.4	3.3	3.6	< 1	3.3	17	7.1	2.3	0.06	0.13	
881545	802	360	14	165	11	< 2	< 0.5	< 0.2	18	< 0.5	765	902	0.4	4.0	6.2	< 1	6.8	27	9.4	3.0	0.17	0.36	
881546	725	348	14	166	10	< 2	< 0.5	< 0.2	16	< 0.5	715	875	< 0.4	3.8	5.2	< 1	6.6	19	9.3	2.8	0.16	0.34	
881547	631	31	< 2	24	58	< 2	< 0.5	< 0.2	21	< 0.5	34.2	35	< 0.4	2.1	91.3	< 1	5.1	11	3.8	5.2	0.58	1.25	
881548	936	19	< 2	12	49	< 2	< 0.5	< 0.2	16	< 0.5	37.3	12	0.4	1.2	93.6	< 1	8.2	21	3.3	4.9	0.78	1.69	2.79
881549	162	10	< 2	43	106	< 2	< 0.5	< 0.2	17	< 0.5	13.9	11	0.6	5.0	190	2	2.3	25	6.4	12.6	0.50	1.07	
881550	670	42	< 2	17	37	22	< 0.5	< 0.2	76	< 0.5	38.0	106	0.4	1.9	29.1	< 1	4.2	15	1.7	4.4	0.73	1.56	
881551	389	14	< 2	44	92	< 2	< 0.5	< 0.2	14	< 0.5	24.2	16	0.6	4.8	164	< 1	3.0	10	7.2	10.9	0.42	0.91	
881552	644	16	< 2	13	48	< 2	< 0.5	< 0.2	14	< 0.5	28.8	11	0.6	1.2	86.2	< 1	5.2	13	3.2	4.6	1.01	2.18	
881553	223	13	< 2	13	69	< 2	< 0.5	< 0.2	8	< 0.5	11.6	8	0.4	1.5	95.1	< 1	1.8	13	4.3	4.8	0.26	0.56	
881554	527	21	< 2	19	56	< 2	< 0.5	< 0.2	25	< 0.5	29.0	25	< 0.4	1.7	55.9	< 1	2.9	7	3.3	4.4	0.77	1.65	
881555	370	308	12	130	7	< 2	< 0.5	< 0.2	6	< 0.5	145	608	< 0.4	3.4	1.5	< 1	3.6	19	7.6	2.6	0.12	0.27	
881556	715	522	14	166	10	< 2	< 0.5	< 0.2	17	< 0.5	194	733	0.4	3.9	5.9	< 1	6.1	15	8.5	2.5	0.14	0.30	
881557	874	37	2	9	43	< 2	< 0.5	< 0.2	22	< 0.5	43.8	49	0.8	0.9	64.5	< 1	6.9	12	2.2	2.5	0.65	1.39	
881558	849	49	< 2	14	44	< 2	< 0.5	< 0.2	23	< 0.5	42.5	71	2.7	1.2	65.2	< 1	6.4	9	2.1	2.9	0.27	0.57	2.72
881559	436	562	14	168	10	< 2	< 0.5	< 0.2	10	< 0.5	147	704	0.4	3.9	3.3	< 1	4.5	17	8.4	2.4	0.12	0.26	
881560	110	561	37	282	13	< 2	< 0.5	< 0.2	2	< 0.5	1.6	796	< 0.4	6.6	0.8	1	1.1	12	4.2	1.4	< 0.01	< 0.01	
881561	165	361	< 2	41	2	< 2	< 0.5	< 0.2	5	< 0.5	106	392	< 0.4	1.3	0.5	< 1	1.5	7	0.3	0.2	0.03	0.06	
881562	412	47	< 2	17	83	< 2	< 0.5	< 0.2	70	< 0.5	86.9	27	< 0.4	3.3	161	< 1	2.5	7	0.7	6.7	0.06	0.14	
881563	3230	70	< 2	10	261	< 2	< 0.5	< 0.2	230	< 0.5	576	44	< 0.4	2.5	303	2	18.5	7	0.6	7.4	0.02	0.04	
881564	3150	62	< 2	6	61	< 2	< 0.5	< 0.2	50	< 0.5	433	48	< 0.4	1.2	74.4	< 1	28.7	11	0.4	5.4	0.18	0.39	
881565	1350	27	< 2	5	59	< 2	< 0.5	< 0.2	152	< 0.5	220	40	< 0.4	0.7	38.5	< 1	12.1	6	0.3	4.0	0.95	2.04	
881566	951	24	< 2	5	68	< 2	< 0.5	< 0.2	142	< 0.5	182	42	< 0.4	0.8	65.3	< 1	8.0	7	0.4	4.9	0.94	2.02	
881567	172	353	< 2	41	3	< 2	< 0.5	< 0.2	9	< 0.5	75.4	401	< 0.4	1.3	1.1	< 1	2.2	< 5	0.2	0.2	0.04	0.08	
881568	328	437	< 2	46	5	< 2	< 0.5	< 0.2	21	< 0.5	234	409	< 0.4	1.4	3.5	3	2.8	< 5	0.2	0.4	0.05	0.10	2.76
881569	832	207	< 2	24	44	< 2	< 0.5	< 0.2	105	< 0.5	234	231	< 0.4	1.5	41.5	1	5.3	< 5	0.4	1.8	0.07	0.16	
881570	342	23	3	58	17	12	< 0.5	< 0.2	38	< 0.5	20.2	62	0.4	2.0	14.2	< 1	2.5	10	2.0	2.5	0.36	0.77	
881571	351	382	< 2	48	4	< 2	< 0.5	< 0.2	15	< 0.5	279	373	< 0.4	1.5	3.0	< 1	2.8	< 5	0.2	0.3	0.06	0.13	
881572	146	363	< 2	40	4	< 2	< 0.5	< 0.2	14	< 0.5	97.3	431	< 0.4	1.3	2.1	< 1	1.1	< 5	0.3	0.2	0.05	0.10	
881573	4140	60	< 2	< 4	53	< 2	< 0.5	< 0.2	114	< 0.5	532	48	< 0.4	0.3	27.7	< 1	32.5	7	0.2	1.2	0.48	1.04	
881574	6080	104	< 2	5	25	< 2	< 0.5	< 0.2	56	< 0.5	953	49	< 0.4	0.9	28.0	< 1	56.7	6	< 0.1	1.6	0.27	0.59	
881575	9100	140	< 2	< 4	8	< 2	< 0.5	< 0.2	8	< 0.5	1180	76	< 0.4	0.2	11.5	< 1	89.7	14	< 0.1	2.1	0.01	0.03	
881576	764	37	< 2	14	112	< 2	< 0.5	< 0.2	82	< 0.5	388	40	< 0.4	3.9	281	< 1	10.4	5	0.6	6.0	0.44	0.94	
881577	261	23	< 2	17	109	< 2	< 0.5	< 0.2	66	< 0.5	82.9	14	< 0.4	3.6	234	< 1	3.5	8	0.6	6.8	0.14	0.30	
881578	591	349	2	47	4	< 2	< 0.5	< 0.2	27	< 0.5	442	290	< 0.4	1.5	4.3	< 1	6.2	< 5	0.2	0.4	0.05	0.10	2.72
881579	3600	73	< 2	9	67	< 2	< 0.5	< 0.2	126	< 0.5	548	156	< 0.4	2.3	187	< 1	30.3	6	0.2	2.8	0.24	0.52	

Results

Activation Laboratories Ltd.

Report: A17-04920

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	Spec Grav
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2	GRAV
881580	109	572	37	314	12	< 2	< 0.5	< 0.2	2	< 0.5	1.7	737	< 0.4	7.7	0.9	< 1	3.3	12	3.6	1.5	< 0.01	< 0.01	
881581	166	352	2	45	2	< 2	< 0.5	< 0.2	4	< 0.5	52.0	297	< 0.4	1.4	1.1	< 1	1.8	< 5	0.2	0.2	0.03	0.07	
881582	162	407	< 2	47	2	< 2	< 0.5	< 0.2	4	< 0.5	99.1	386	< 0.4	1.4	0.4	< 1	1.5	< 5	0.2	0.2	0.04	0.09	
881583	1910	36	< 2	9	48	< 2	< 0.5	< 0.2	134	< 0.5	323	124	< 0.4	1.4	42.4	< 1	12.4	6	0.6	4.3	1.04	2.24	
881584	262	44	< 2	22	89	< 2	< 0.5	< 0.2	50	< 0.5	61.1	51	< 0.4	2.9	95.8	< 1	3.1	< 5	0.6	5.2	0.05	0.11	
881585	186	262	< 2	45	5	< 2	< 0.5	< 0.2	10	< 0.5	56.2	323	< 0.4	1.4	2.6	1	1.6	< 5	0.2	0.6	0.03	0.05	
881586	221	246	< 2	42	5	< 2	< 0.5	< 0.2	19	< 0.5	55.1	299	< 0.4	1.4	3.3	< 1	1.4	< 5	0.2	0.7	0.02	0.05	
881587	83	466	< 2	44	2	< 2	< 0.5	< 0.2	1	< 0.5	96.7	362	< 0.4	1.3	0.5	< 1	0.1	7	0.2	0.2	0.05	0.11	
881588	968	32	< 2	13	83	< 2	< 0.5	< 0.2	87	< 0.5	310	16	< 0.4	2.5	88.4	< 1	2.1	8	1.0	7.2	0.50	1.07	2.80
881589	4670	96	< 2	9	127	< 2	< 0.5	< 0.2	131	< 0.5	965	85	< 0.4	1.9	118	< 1	15.2	15	0.6	8.8	0.65	1.40	
881590	672	42	< 2	17	38	22	< 0.5	< 0.2	76	< 0.5	39.7	108	0.5	1.9	30.5	1	2.8	17	1.7	4.4	0.73	1.58	
881591	5410	89	< 2	9	44	< 2	< 0.5	< 0.2	151	< 0.5	25900	21	< 0.4	2.3	207	< 1	20.3	18	0.4	11.1	0.34	0.74	
881592	4350	73	< 2	9	75	< 2	< 0.5	< 0.2	117	< 0.5	863	20	< 0.4	2.1	140	< 1	16.3	17	0.4	4.8	0.31	0.66	
881593	4100	62	< 2	5	29	< 2	< 0.5	< 0.2	108	0.5	767	55	< 0.4	0.7	31.5	143	15.4	13	0.2	2.6	0.79	1.69	
881594	88	438	< 2	46	3	< 2	< 0.5	< 0.2	4	< 0.5	66.2	366	< 0.4	1.4	0.7	2	1.7	42	0.2	0.2	0.06	0.12	
881595	125	430	2	43	2	< 2	< 0.5	< 0.2	2	0.6	65.4	371	< 0.4	1.3	0.2	< 1	0.8	23	0.2	0.2	0.04	0.09	
881596	2420	86	< 2	17	60	< 2	< 0.5	< 0.2	99	0.6	602	302	0.4	2.0	67.7	1	7.0	8	0.5	7.4	0.62	1.34	
881597	147	327	< 2	41	2	< 2	< 0.5	< 0.2	5	< 0.5	54.4	353	< 0.4	1.2	0.3	1	1.2	< 5	0.2	0.8	0.03	0.07	
881598	67	436	< 2	46	2	< 2	< 0.5	< 0.2	1	< 0.5	43.2	391	< 0.4	1.4	0.7	5	0.4	10	0.2	0.1	0.05	0.10	2.81
881599	1920	30	< 2	5	53	< 2	< 0.5	< 0.2	160	< 0.5	530	28	< 0.4	1.0	46.3	< 1	5.9	6	0.5	4.7	1.48	3.18	
881600	108	533	41	311	13	< 2	0.8	< 0.2	3	< 0.5	2.8	693	< 0.4	7.5	0.8	< 1	0.6	12	4.9	1.7	0.01	0.02	
881601	2390	43	< 2	8	106	< 2	< 0.5	< 0.2	111	< 0.5	752	28	< 0.4	1.5	112	< 1	7.0	7	0.6	5.3	1.24	2.67	
881602	3760	59	< 2	9	52	< 2	< 0.5	< 0.2	85	< 0.5	959	21	< 0.4	1.7	94.1	< 1	13.5	10	0.8	8.5	0.86	1.84	
881603	673	19	< 2	10	79	< 2	< 0.5	< 0.2	121	< 0.5	1060	12	0.5	2.3	144	< 1	2.7	10	0.9	9.5	1.40	3.01	
881604	505	18	< 2	5	37	< 2	< 0.5	< 0.2	181	< 0.5	599	21	< 0.4	1.1	42.2	< 1	1.6	7	0.3	4.9	1.43	3.07	
881605	161	451	2	40	2	< 2	< 0.5	< 0.2	5	< 0.5	102	389	< 0.4	1.3	1.9	15	0.8	< 5	0.2	0.3	0.06	0.12	
881606	167	460	< 2	42	2	< 2	< 0.5	< 0.2	3	< 0.5	104	390	< 0.4	1.4	1.1	4	0.6	5	0.2	0.2	0.05	0.12	
881607	121	503	< 2	46	3	< 2	< 0.5	< 0.2	7	< 0.5	83.9	447	< 0.4	1.4	1.4	< 1	0.4	6	0.3	0.4	0.04	0.09	
881608	384	25	< 2	15	83	< 2	< 0.5	< 0.2	44	< 0.5	118	55	< 0.4	2.8	172	1	1.0	5	0.6	5.3	0.26	0.57	2.74
881609	477	213	< 2	38	13	< 2	< 0.5	< 0.2	66	< 0.5	102	269	< 0.4	1.6	10.9	2	1.1	< 5	0.2	1.3	0.02	0.05	
881610	329	23	2	70	20	12	< 0.5	< 0.2	40	< 0.5	19.7	64	< 0.4	2.4	17.4	2	0.8	8	2.1	2.6	0.36	0.78	
881611	367	305	< 2	43	10	< 2	< 0.5	< 0.2	38	< 0.5	95.6	362	< 0.4	1.6	9.0	1	0.9	< 5	0.3	0.9	0.02	0.05	
881612	284	708	< 2	50	12	< 2	< 0.5	< 0.2	33	< 0.5	313	243	< 0.4	1.9	10.2	117	0.9	16	0.2	0.6	0.05	0.11	
881613	2260	50	< 2	< 4	55	< 2	< 0.5	< 0.2	120	< 0.5	562	25	< 0.4	0.5	26.8	1	6.1	< 5	0.3	2.6	0.96	2.07	
881614	454	22	< 2	7	54	< 2	< 0.5	< 0.2	167	0.5	606	7	< 0.4	1.4	60.7	8	1.5	< 5	0.4	3.1	1.86	4.00	
881615	1890	41	< 2	7	60	< 2	< 0.5	< 0.2	180	< 0.5	1080	10	< 0.4	1.6	84.6	< 1	5.9	8	0.8	4.7	1.48	3.19	
881616	92	24	< 2	11	126	< 2	< 0.5	< 0.2	17	< 0.5	110	6	< 0.4	2.8	292	< 1	0.8	< 5	0.7	5.6	0.12	0.26	
881617	545	36	< 2	16	86	< 2	< 0.5	< 0.2	37	< 0.5	136	5	< 0.4	3.6	141	< 1	1.3	6	0.9	8.1	0.07	0.14	
881618	2790	58	< 2	28	45	< 2	< 0.5	< 0.2	82	< 0.5	667	18	< 0.4	1.7	59.6	< 1	9.3	8	0.4	5.1	0.69	1.48	2.74
881619	576	483	< 2	43	24	< 2	< 0.5	< 0.2	13	< 0.5	358	359	< 0.4	1.4	16.7	< 1	2.7	10	0.2	0.3	0.09	0.19	
881620	110	573	43	241	12	< 2	0.5	< 0.2	2	< 0.5	1.9	728	< 0.4	5.7	0.8	< 1	0.5	11	3.9	1.5	< 0.01	< 0.01	

Results

Activation Laboratories Ltd.

Report: A17-04920

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	Spec Grav
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2	GRAV
881621	287	863	< 2	51	6	< 2	< 0.5	< 0.2	8	< 0.5	192	304	< 0.4	1.5	2.1	< 1	1.0	8	0.2	0.4	0.09	0.19	
881622	1500	50	< 2	21	160	59	< 0.5	< 0.2	41	< 0.5	219	55	< 0.4	2.9	149	2	4.1	16	0.5	7.2	0.01	0.03	
881623	86	435	< 2	45	2	< 2	< 0.5	< 0.2	2	< 0.5	71.8	427	< 0.4	1.3	0.3	4	0.7	6	0.2	0.1	0.05	0.10	
881624	397	271	< 2	45	18	< 2	< 0.5	< 0.2	31	< 0.5	95.7	295	< 0.4	1.8	17.9	2	1.0	< 5	0.3	1.1	0.02	0.04	
881625	1100	125	< 2	25	45	< 2	< 0.5	< 0.2	105	< 0.5	177	196	< 0.4	2.4	46.4	2	2.6	< 5	0.4	2.7	< 0.01	0.02	
881626	1120	167	< 2	26	42	< 2	< 0.5	< 0.2	101	< 0.5	189	255	< 0.4	1.9	36.7	2	2.9	6	0.4	2.9	0.01	0.03	
881627	169	395	< 2	51	2	< 2	< 0.5	< 0.2	5	< 0.5	105	427	< 0.4	1.6	0.3	1	0.9	< 5	0.2	0.2	0.03	0.06	
881628	151	373	< 2	46	2	< 2	< 0.5	< 0.2	9	< 0.5	86.9	412	< 0.4	1.4	2.0	1	0.6	< 5	0.2	0.2	0.02	0.05	2.80
881629	209	24	2	14	130	2	< 0.5	< 0.2	20	< 0.5	39.9	20	< 0.4	3.0	277	2	0.5	< 5	0.7	4.2	< 0.01	< 0.01	
881630	665	44	< 2	18	43	22	< 0.5	< 0.2	78	< 0.5	39.7	105	0.6	2.1	32.6	2	1.6	18	1.7	4.9	0.71	1.53	
881631	142	347	< 2	45	2	< 2	< 0.5	< 0.2	3	< 0.5	81.6	395	< 0.4	1.4	0.7	3	0.5	< 5	0.2	0.4	0.02	0.03	
881632	534	378	< 2	45	3	< 2	< 0.5	< 0.2	25	1.5	308	279	< 0.4	1.4	1.3	2	1.4	< 5	0.2	0.2	0.05	0.10	
881633	3360	379	< 2	41	25	3	< 0.5	< 0.2	213	< 0.5	1270	316	1.9	1.7	49.3	5	9.1	8	0.4	2.4	0.07	0.15	
881634	922	377	< 2	45	3	< 2	< 0.5	< 0.2	28	< 0.5	592	328	< 0.4	1.3	2.4	2	6.2	< 5	0.2	0.3	0.05	0.12	
881635	1180	32	< 2	< 4	76	< 2	< 0.5	< 0.2	294	< 0.5	225	31	< 0.4	0.4	49.1	< 1	7.6	< 5	0.3	1.0	1.19	2.56	
881636	778	34	< 2	13	132	< 2	< 0.5	< 0.2	124	< 0.5	270	33	< 0.4	3.5	202	< 1	5.6	8	2.0	8.8	1.10	2.36	
881637	6340	102	< 2	< 4	11	< 2	< 0.5	< 0.2	13	< 0.5	790	44	< 0.4	0.2	18.4	< 1	57.9	11	0.1	1.9	0.04	0.09	
881638	5080	89	< 2	5	19	< 2	< 0.5	< 0.2	52	< 0.5	626	45	< 0.4	0.5	14.6	< 1	50.4	9	0.2	2.1	0.17	0.36	2.68
881639	130	450	< 2	43	1	< 2	< 0.5	< 0.2	2	< 0.5	56.5	392	< 0.4	1.2	0.3	< 1	5.3	< 5	0.2	0.1	0.04	0.09	
881640	111	578	44	294	13	< 2	1.0	< 0.2	3	< 0.5	1.7	739	< 0.4	6.8	0.8	< 1	1.9	11	4.0	2.0	< 0.01	< 0.01	
881641	235	451	< 2	42	3	< 2	< 0.5	< 0.2	8	< 0.5	133	374	1.8	1.2	1.9	3	2.3	< 5	0.2	0.4	0.04	0.10	
881642	905	22	< 2	5	49	< 2	< 0.5	< 0.2	148	< 0.5	194	29	8.4	0.8	28.4	< 1	5.7	5	0.5	5.7	1.47	3.16	
881643	1700	49	< 2	7	62	< 2	< 0.5	< 0.2	92	< 0.5	340	45	< 0.4	1.6	118	2	12.9	< 5	0.4	5.7	1.11	2.38	
881644	6110	109	< 2	5	24	< 2	< 0.5	< 0.2	14	< 0.5	610	64	< 0.4	0.5	17.1	< 1	56.3	15	0.2	3.5	0.02	0.03	
881645	340	206	< 2	30	7	< 2	< 0.5	< 0.2	13	< 0.5	65.9	171	< 0.4	1.6	9.4	< 1	5.8	< 5	0.3	1.5	< 0.01	0.01	
881646	304	215	< 2	30	5	< 2	< 0.5	< 0.2	12	< 0.5	62.2	179	< 0.4	1.5	8.6	< 1	3.0	< 5	0.3	1.6	< 0.01	0.01	
881647	126	391	< 2	44	2	< 2	< 0.5	< 0.2	8	< 0.5	53.3	341	< 0.4	1.3	0.8	< 1	1.3	< 5	0.2	0.4	0.02	0.04	
881648	1370	378	< 2	62	5	< 2	< 0.5	< 0.2	42	< 0.5	558	374	0.6	2.0	1.4	72	7.1	6	0.3	0.4	0.05	0.11	2.73
881649	2250	162	< 2	30	71	< 2	< 0.5	< 0.2	135	< 0.5	581	162	0.5	2.2	104	3	14.2	< 5	0.5	2.6	0.02	0.05	
881650	335	24	3	55	16	12	< 0.5	< 0.2	36	< 0.5	20.0	61	0.4	1.9	14.4	2	3.3	7	2.1	2.8	0.36	0.77	
881651	654	37	< 2	< 4	55	< 2	< 0.5	< 0.2	50	< 0.5	130	16	< 0.4	0.6	69.9	< 1	4.3	< 5	0.3	1.8	< 0.01	0.01	
881652	720	30	< 2	7	62	< 2	< 0.5	< 0.2	103	< 0.5	149	23	< 0.4	1.6	176	< 1	4.6	< 5	0.4	4.6	0.01	0.02	
881653	1170	42	< 2	10	87	< 2	< 0.5	< 0.2	90	< 0.5	200	27	0.7	3.3	335	< 1	8.5	< 5	0.8	4.1	0.04	0.08	
881654	4140	79	< 2	6	144	< 2	< 0.5	< 0.2	183	< 0.5	578	105	1.5	1.0	85.3	< 1	32.4	7	0.5	4.2	0.04	0.08	
881655	117	428	< 2	41	2	< 2	< 0.5	< 0.2	4	< 0.5	29.2	428	< 0.4	1.1	0.3	< 1	3.8	< 5	0.2	0.1	0.02	0.05	
881656	192	392	< 2	53	2	< 2	< 0.5	< 0.2	4	< 0.5	124	337	< 0.4	1.3	0.4	< 1	2.5	< 5	0.3	0.3	0.03	0.06	
881657	1170	62	< 2	34	68	< 2	< 0.5	< 0.2	694	< 0.5	178	87	< 0.4	4.4	111	< 1	7.5	< 5	0.7	5.3	0.12	0.25	
881658	802	23	< 2	6	39	< 2	< 0.5	< 0.2	209	< 0.5	157	123	< 0.4	0.8	30.0	2	4.9	< 5	0.3	3.1	1.25	2.69	2.88
881659	555	83	< 2	6	35	< 2	< 0.5	< 0.2	228	< 0.5	206	625	< 0.4	1.9	149	< 1	2.9	8	0.4	10.1	1.24	2.66	
881660	105	601	42	314	13	< 2	0.9	< 0.2	3	< 0.5	1.5	709	< 0.4	7.3	0.9	< 1	0.9	11	3.9	1.7	< 0.01	< 0.01	
881661	3730	98	4	51	6	< 2	< 0.5	< 0.2	39	< 0.5	396	134	< 0.4	1.5	6.4	4	30.4	6	1.4	1.6	0.02	0.04	

Results

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Report: A17-04920

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Li	Li2O	Spec Grav
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	-
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2	GRAV
881662	1870	74	4	42	32	< 2	< 0.5	< 0.2	243	< 0.5	206	140	< 0.4	2.5	37.1	1	15.6	< 5	2.3	2.5	0.02	0.04	
881663	71	156	7	113	5	< 2	< 0.5	< 0.2	30	< 0.5	21.3	150	< 0.4	2.7	0.4	4	2.2	< 5	4.9	2.9	0.04	0.09	

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
NIST 694 Meas	11.17	1.83	0.77	0.013	0.34	43.11	0.86	0.55	0.116	30.23					1600								
NIST 694 Cert	11.2	1.80	0.790	0.0116	0.330	43.6	0.860	0.510	0.110	30.2					1740								
DNC-1 Meas	47.57	18.55	9.74	0.147	9.98	11.41	1.90	0.22	0.475	0.07			31		148	280	55	250	90	70	14		
DNC-1 Cert	47.15	18.34	9.97	0.150	10.13	11.49	1.890	0.234	0.480	0.070			31		148	270	57	247	100	70	15		
GBW 07113 Meas	70.45	12.99	3.20	0.144	0.14	0.60	2.51	5.44	0.277	0.04			6	4	5								
GBW 07113 Cert	72.8	13.0	3.21	0.140	0.160	0.590	2.57	5.43	0.300	0.0500			5.00	4.00	5.00								
LKSD-3 Meas																	28			150			26
LKSD-3 Cert																	30.0			152			27.0
TDB-1 Meas																260		100	350				
TDB-1 Cert																251		92	323				
W-2a Meas	53.57	14.92	10.47	0.168	6.24	11.01	2.24	0.63	1.048	0.13			35	< 1	263	90	42	70	110	80	18	2	
W-2a Cert	52.4	15.4	10.7	0.163	6.37	10.9	2.14	0.626	1.06	0.130			36.0	1.30	262	92.0	43.0	70.0	110	80.0	17.0	1.00	
DTS-2b Meas	39.51	0.40			49.98	0.13							3		12								
DTS-2b Cert	39.4	0.450			49.4	0.120							3.00		22.0								
SY-4 Meas	50.47	20.22	6.16	0.107	0.50	8.02	6.84	1.63	0.279	0.12			< 1	3	7								
SY-4 Cert	49.9	20.69	6.21	0.108	0.54	8.05	7.10	1.66	0.287	0.131			1.1	2.6	8.0								
CTA-AC-1 Meas																			50	40			
CTA-AC-1 Cert																			54.0	38.0			
BIR-1a Meas	48.40	15.91	11.26	0.172	9.40	13.40	1.83	0.02	0.977	0.03			43	< 1	320	370	50	170	120	70	16		
BIR-1a Cert	47.96	15.50	11.30	0.175	9.700	13.30	1.82	0.030	0.96	0.021			44	0.58	310	370	52	170	125	70	16		
NCS DC86312 Meas																							
NCS DC86312 Cert																							
ZW-C Meas																				1010	100		
ZW-C Cert																				1050.00	99		
NCS DC70009 (GBW07241) Meas																30	4		870	90	17	10	65
NCS DC70009 (GBW07241) Cert																30	3.7		960	100	16.5	11.2	69.9
OREAS 100a (Fusion) Meas																	17		160				
OREAS 100a (Fusion) Cert																	18.1		169				
OREAS 101a (Fusion) Meas																	45		400				
OREAS 101a (Fusion) Cert																	48.8		430				
OREAS 101b (Fusion) Meas																	43		410				
OREAS 101b																	47		420				

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
(Fusion) Cert																							
JR-1 Meas																< 20	< 1	< 20	< 10	< 30	17	2	17
JR-1 Cert																2.83	0.83	1.67	2.68	30.6	16.1	1.88	16.3
NCS DC86303 Meas																							
NCS DC86303 Cert																							
NCS DC86304 Meas																							
NCS DC86304 Cert																							
NCS DC86304 Meas																							
NCS DC86304 Cert																							
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NCS DC86314 Cert																							
NCS DC86314 Meas																							
NCS DC86314 Cert																							
USZ 28-99 Meas																							
USZ 28-99 Cert																							

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
USZ 28-99 Meas																							
USZ 28-99 Cert																							
USZ 28-99 Meas																							
USZ 28-99 Cert																							
USZ 28-99 Meas																							
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Lithium Tetraborate FX-LT 100 lot#220610B Meas																							
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							
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Lithium Tetraborate FX-LT 100 lot#220610B Cert																							

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Cert																							
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							
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Lithium Tetraborate FX-LT 100 lot#220610B Cert																							
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
881545 Orig																							
881545 Dup																							
881553 Orig	73.36	16.02	0.59	0.394	0.04	0.38	6.88	0.60	0.005	0.11	0.48	98.85	< 1	133	< 5	< 20	< 1	< 20	10	< 30	34	4	< 5
881553 Dup	73.16	16.04	0.59	0.380	0.03	0.38	6.95	0.59	0.005	0.11	0.48	98.72	< 1	131	< 5	< 20	< 1	< 20	20	< 30	34	4	< 5
881567 Orig																							
881567 Dup																							
881571 Orig	69.61	16.30	1.44	0.025	0.89	3.38	5.06	1.17	0.125	0.21	1.34	99.53	1	8	11	< 20	4	< 20	< 10	40	17	1	< 5
881571 Dup	69.01	15.92	1.41	0.024	0.88	3.36	5.06	1.16	0.120	0.22	1.34	98.50	1	8	11	< 20	3	< 20	< 10	40	16	1	< 5
881575 Orig																							
881575 Dup																							
881589 Orig																							
881589 Dup																							
881596 Orig																							
881596 Dup																							
881600 Orig	55.29	17.07	8.63	0.130	2.82	6.68	3.70	2.10	1.095	0.32	0.95	98.77	20	3	143	30	18	< 20	20	100	23	1	< 5
881600 Dup	55.31	16.94	8.47	0.133	2.89	6.83	3.75	2.14	1.087	0.33	0.95	98.83	20	3	142	30	20	< 20	20	100	25	1	< 5
881610 Orig																							
881610 Dup																							
881613 Orig																							
881613 Dup																							
881617 Orig	71.37	16.60	0.23	0.067	0.02	0.40	8.28	0.65	0.001	0.89	0.74	99.23	< 1	209	< 5	< 20	< 1	< 20	< 10	< 30	32	7	< 5
881617 Dup	71.07	16.84	0.23	0.066	0.02	0.39	8.26	0.63	0.001	0.88	0.74	99.12	< 1	203	< 5	< 20	< 1	< 20	< 10	< 30	33	7	< 5
881618 Orig																							
881618 Dup																							
881632 Orig																							
881632 Dup																							
881638 Orig	70.22	16.50	0.25	0.012	0.03	0.33	3.46	7.25	0.001	0.39	0.81	99.25	< 1	149	< 5	< 20	< 1	< 20	< 10	< 30	21	5	< 5
881638 Split PREP DUP	69.67	16.96	0.31	0.013	0.03	0.32	3.53	7.15	0.001	0.43	0.80	99.20	< 1	155	< 5	< 20	< 1	< 20	< 10	< 30	22	5	< 5
881639 Orig																							
881639 Dup																							
881647 Orig	68.29	16.91	1.23	0.020	0.80	3.08	5.78	1.39	0.103	0.13	1.76	99.49	1	3	10	< 20	3	< 20	< 10	< 30	16	< 1	< 5
881647 Dup	68.66	16.83	1.25	0.020	0.82	3.08	5.68	1.38	0.103	0.13	1.76	99.71	1	3	10	< 20	3	< 20	< 10	< 30	15	< 1	< 5
881653 Orig																							
881653 Dup																							
881661 Orig																							
881661 Dup																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1	1	5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Method Blank																							
Method Blank																							
Method Blank	< 0.01	< 0.01	0.01	0.002	0.01	0.01	< 0.01	< 0.01	0.001	< 0.01			< 1	< 1	< 5	< 20	< 1	< 20	< 10	< 30	< 1	< 1	< 5
Method Blank	< 0.01	< 0.01	0.01	0.002	< 0.01	0.01	< 0.01	< 0.01	0.001	< 0.01			< 1	< 1	< 5								
Method Blank	< 0.01	< 0.01	0.01	0.002	< 0.01	0.01	< 0.01	< 0.01	0.001	< 0.01			< 1	< 1	< 5								
Method Blank																							
Method Blank	< 0.01	< 0.01	< 0.01	0.001	< 0.01	< 0.01	< 0.01	< 0.01	< 0.001	0.02			< 1	< 1	< 5								
Method Blank																							

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Spec Grav	Li	Li2O
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-	%	%
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	GRAV	FUS-Na2O2	FUS-Na2O2
NIST 694 Meas																							
NIST 694 Cert																							
DNC-1 Meas		146	14	34						0.9		105											
DNC-1 Cert		144.0	18.0	38						0.96		118											
GBW 07113 Meas		40	44	381								504											
GBW 07113 Cert		43.0	43.0	403								506											
LKSD-3 Meas	75					< 2	2.8				2.1			4.7	0.8				11.2	4.2			
LKSD-3 Cert	78.0					2.00	2.70				2.30			4.80	0.700				11.4	4.60			
TDB-1 Meas	22																			2.8			
TDB-1 Cert	23																			2.7			
W-2a Meas	20	196	18	88		< 2				0.7		172		2.4	0.5		0.1		2.2	0.5			
W-2a Cert	21.0	190	24.0	94.0		0.600				0.790		182		2.60	0.500		0.200		2.40	0.530			
DTS-2b Meas												15											
DTS-2b Cert												16.0											
SY-4 Meas		1188	115	547								340											
SY-4 Cert		1191	119	517								340											
CTA-AC-1 Meas														1.2	2.9				22.4	4.0			
CTA-AC-1 Cert														1.13	2.65				21.8	4.4			
BIR-1a Meas		108	13	13						0.5		7											
BIR-1a Cert		110	16	18						0.58		6											
NCS DC86312 Meas																				24.7			
NCS DC86312 Cert																				23.6			
ZW-C Meas	8850								1320		266				87.3	335	34.7						
ZW-C Cert	8500								1300.00		260				82	320	34						
NCS DC70009 (GBW07241) Meas	496						1.9	1.3	1640	3.0	38.0					2150	1.7		27.5				
NCS DC70009 (GBW07241) Cert	500						1.8	1.3	1700	3.1	41					2200	1.8		28.3				
OREAS 100a (Fusion) Meas						23													50.7	137			
OREAS 100a (Fusion) Cert						24.1													51.6	135			
OREAS 101a (Fusion) Meas						20													34.0	409			
OREAS 101a (Fusion) Cert						21.9													36.6	422			
OREAS 101b (Fusion) Meas						19													36.2	401			
OREAS 101b						21													37.1	396			

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Spec Grav	Li	Li2O
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-	%	%
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	GRAV	FUS-Na2O2	FUS-Na2O2
(Fusion) Cert																							
JR-1 Meas	243				15	3		< 0.2	3		20.1		0.6	4.4	1.8		1.5	19	25.0	8.3			
JR-1 Cert	257				15.2	3.25		0.028	2.86		20.8		0.56	4.51	1.86		1.56	19.3	26.7	8.88			
NCS DC86303 Meas																						0.20	0.43
NCS DC86303 Cert																						0.21	0.460
NCS DC86304 Meas																						1.09	2.35
NCS DC86304 Cert																						1.06	2.29
NCS DC86304 Meas																						1.09	2.34
NCS DC86304 Cert																						1.06	2.29
NCS DC86304 Meas																						1.07	2.31
NCS DC86304 Cert																						1.06	2.29
NCS DC86304 Meas																						1.07	2.31
NCS DC86304 Cert																						1.06	2.29
NCS DC86314 Meas																						1.86	4.00
NCS DC86314 Cert																						1.81	3.89
NCS DC86314 Meas																						1.77	3.81
NCS DC86314 Cert																						1.81	3.89
NCS DC86314 Meas																						1.79	3.86
NCS DC86314 Cert																						1.81	3.89
NCS DC86314 Meas																						1.78	3.84
NCS DC86314 Cert																						1.81	3.89
NCS DC86314 Meas																						1.76	3.79
NCS DC86314 Cert																						1.81	3.89
USZ 28-99 Meas																							0.18
USZ 28-99 Cert																							0.173

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Spec Grav	Li	Li2O	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-	%	%
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01	
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	GRAV	FUS-Na2O2	FUS-Na2O2	
USZ 28-99 Meas																							0.17	
USZ 28-99 Cert																							0.173	
USZ 28-99 Meas																							0.18	
USZ 28-99 Cert																							0.173	
USZ 28-99 Meas																							0.17	
USZ 28-99 Cert																							0.173	
USZ 28-99 Meas																							0.17	
USZ 28-99 Cert																							0.173	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							8.46	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							8	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							8.22	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							8	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							8.36	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							8	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							8.29	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							8	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							8.37	
Lithium Tetraborate FX-LT 100 lot#220610B																							8	

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Spec Grav	Li	Li2O	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-	%	%
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01	
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	GRAV	FUS-Na2O2	FUS-Na2O2	
Cert																								
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							8.32	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							8	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							8.45	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							8	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							8.40	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							8	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							8.28	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							8	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							8.15	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							8	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							8.00	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							8	

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Spec Grav	Li	Li2O
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-	%	%
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	GRAV	FUS-Na2O2	FUS-Na2O2
881545 Orig																						0.16	0.35
881545 Dup																						0.17	0.36
881553 Orig	223	13	< 2	13	66	< 2	< 0.5	< 0.2	8	< 0.5	11.7	8	0.5	1.4	88.2	< 1	2.0	12	4.3	4.9		0.27	0.57
881553 Dup	222	13	< 2	14	71	< 2	< 0.5	< 0.2	8	< 0.5	11.5	8	0.4	1.5	102	< 1	1.6	13	4.2	4.7		0.26	0.55
881567 Orig																						0.04	0.08
881567 Dup																						0.03	0.07
881571 Orig	356	385	2	49	4	< 2	< 0.5	< 0.2	15	< 0.5	284	374	< 0.4	1.5	3.0	< 1	3.0	< 5	0.2	0.3			
881571 Dup	346	379	< 2	47	4	< 2	< 0.5	< 0.2	15	< 0.5	274	371	< 0.4	1.5	3.1	< 1	2.7	< 5	0.2	0.3			
881575 Orig																						0.01	0.03
881575 Dup																						0.01	0.03
881589 Orig																						0.65	1.40
881589 Dup																						0.65	1.41
881596 Orig																						0.63	1.35
881596 Dup																						0.62	1.34
881600 Orig	107	531	41	311	12	< 2	0.8	< 0.2	3	< 0.5	2.8	691	< 0.4	7.5	0.8	< 1	0.8	11	4.9	1.7			
881600 Dup	108	536	41	311	13	< 2	0.8	< 0.2	3	< 0.5	2.7	695	< 0.4	7.5	0.8	< 1	0.3	12	5.0	1.7			
881610 Orig																						0.36	0.77
881610 Dup																						0.36	0.78
881613 Orig																						0.96	2.06
881613 Dup																						0.96	2.07
881617 Orig	546	36	< 2	16	86	< 2	< 0.5	< 0.2	38	< 0.5	137	5	< 0.4	3.5	145	1	1.3	6	0.9	8.1			
881617 Dup	543	36	< 2	17	86	< 2	< 0.5	< 0.2	35	< 0.5	135	5	< 0.4	3.7	136	< 1	1.3	6	0.9	8.0			
881618 Orig																						0.69	1.48
881618 Dup																						0.69	1.48
881632 Orig																						0.05	0.11
881632 Dup																						0.04	0.10
881638 Orig	5080	89	< 2	5	19	< 2	< 0.5	< 0.2	52	< 0.5	626	45	< 0.4	0.5	14.6	< 1	50.4	9	0.2	2.1		0.17	0.36
881638 Split PREP DUP	5130	87	< 2	5	20	< 2	< 0.5	< 0.2	70	< 0.5	625	44	< 0.4	0.8	15.8	< 1	50.7	10	0.2	2.6		0.18	0.38
881639 Orig																						0.04	0.09
881639 Dup																						0.04	0.09
881647 Orig	127	392	< 2	43	2	< 2	< 0.5	< 0.2	8	< 0.5	53.8	344	< 0.4	1.3	0.8	< 1	1.5	< 5	0.2	0.5			
881647 Dup	124	389	< 2	45	2	< 2	< 0.5	< 0.2	8	< 0.5	52.9	338	< 0.4	1.3	0.8	< 1	1.0	< 5	0.2	0.4			
881653 Orig																						0.04	0.08
881653 Dup																						0.04	0.08
881661 Orig																						0.02	0.04
881661 Dup																						0.02	0.04
Method Blank																						< 0.01	< 0.01
Method Blank																						< 0.01	< 0.01
Method Blank																						< 0.01	< 0.01
Method Blank																						< 0.01	< 0.01

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Spec Grav	Li	Li2O	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-	%	%
Lower Limit	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.01	0.01	0.01	
Method Code	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	GRAV	FUS-Na2O2	FUS-Na2O2	
Method Blank																						< 0.01	< 0.01	
Method Blank																						< 0.01	< 0.01	
Method Blank	< 2	< 2	< 2	< 4	< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	< 3	< 0.4	< 0.2	< 0.1	< 1	< 0.1	< 5	< 0.1	< 0.1				
Method Blank		< 2	< 2	< 4								< 3												
Method Blank		< 2	< 2	< 4								< 3												
Method Blank																					1.00			
Method Blank		< 2	< 2	< 4								< 3												
Method Blank																						< 0.01	< 0.01	