

We are committed to providing [accessible customer service](#).

If you need accessible formats or communications supports, please [contact us](#).

Nous tenons à améliorer [l'accessibilité des services à la clientèle](#).

Si vous avez besoin de formats accessibles ou d'aide à la communication, veuillez [nous contacter](#).

**Assessment Report on  
Diamond Drill Program  
On the Jackpot Property,**

**Thunder Bay Mining Division, Barbara Lake Township**

Active Claim Cell Unit Numbers (107842, 113822, 124776, 124777, 136783, 142300, 142301, 142302, 151543, 172782, 188774, 200956, 200957, 202344, 213194, 217480, 217481, 227396, 227397, 236040, 236041, 236042, 246865, 255543, 292125, 292126, 304761, 304762, 311532, 311533, 312951, 343010, 343011),

Barbara Lake Area (G-0006), Nipigon MNR District, Thunder Bay Division

NTS Sheet 42E05SW

UTM 432551 E, 5461493 N, Zone 16, NAD83

Longitude 87°55'40" W Latitude 49°18'9" N

For:

**Infinite Ore Corp. (formerly Infinite Lithium Corp.)**

Client number # 191078

Prepared By:

Robert Weicker

Suite 2801, 1166 Melville St.,

Vancouver, B.C. V6E 4P5

April 8, 2020

## **Executive Summary**

This assessment report summarizes the results of a Phase 1 diamond drill program over the lithium-bearing pegmatite Main Zone on the Jackpot property (“Core Claims” area) to confirm the presence of, and geometry of lithium-bearing pegmatites to assist with geological interpretation, leading to a 43-101 compliant resource calculation.

The drill program mobilized and started in late October 2017, and the Phase 1 portion reported in this document, comprised 18 drill holes (J-17-01, and J-18-01 to J-18-17), consisting of 2,750 meters HQ core, ending on April 30, 2018. The work was carried out by third-party contractors on behalf of Infinite Ore Corp. (formerly Infinite Lithium Corp.), the 100% owners of the property. The company is often referred to as “Infinite Lithium” in this report.

The Phase 1 diamond drill program was conducted in conjunction with a larger exploration program that ran from October 2017 to November 2018, and included geological mapping, prospecting, rock sampling, stripping of overburden, trenching and a high - resolution LIDAR survey. Co-ordinate positions are based on the Universal Transverse Mercator (UTM) grid with hand - held GPS instruments, and reference to the LIDAR survey.

The Jackpot is located about 1 km southeast of Georgia Lake shore, approximately 50 km northeast of the town of Nipigon by road and 140 km northeast of Thunder Bay. The Jackpot is located within Thunder Bay Mining Division, Barbara Lake Township in NTS sheet 42E05SW. The approximate center of Infinite Lithium’s Core Claims is UTM 432551 E, 5461493 N, Zone 16, NAD 83 and longitude/latitude 87°55’40” W and 49°18’9” N.

The Jackpot can be accessed by driving 40 km north of the town of Nipigon on TransCanada Highway #11, then drive 10 km east on a dirt road towards Georgia Lake. Rough trails constructed for a recent (2018) drill program can access the showings lithium shows by 4 x 4 trucks in dry weather, and by quads or snowmobile at other times of the year.

The Jackpot Property “Core Claim” block where exploration was completed is comprised of one claim cell unit and 32 boundary cell units (Claim Cell Unit Numbers (107842, 113822, 124776, 124777, 136783, 142300, 142301, 142302, 151543, 172782, 188774, 200956, 200957, 202344, 213194, 217480, 217481, 227396, 227397, 236040, 236041, 236042, 246865, 255543, 292125, 292126, 304761, 304762, 311532, 311533, 312951, 343010, 343011), covering 2.56 square kilometers (256 ha), owned by Infinite Ore Corp, a publicly traded company on the TSV.V exchange. The Jackpot “Core Claim” block is connected in the southeast corner, by claim cell #142302 (based on the full extent of the cell), with the large (25

cells) claim cell #514292, which allows for the transfer of assessment credits to the much larger Jackpot Property.

The Phase 1 drill program was conducted on four claim cells: CI # 213194, CI #312951, CI #246865, and CI #343011, with the distribution of the total expenditures of \$745,580, distributed respectively as follows: CI # 213194 (\$413,729), CI #312951 (\$105,466), CI #246865 (\$37,143 ), and CI #343011 (\$189,242).

The Jackpot property was previously staked and extensively worked by Conwest Exploration Company Limited (“Conwest”) in May 1955. Conwest mapped the pegmatite outcrops in the spring 1955. From July to November 1955, Conwest drilled 31 holes for a total of 3,284 meters on the Jackpot deposit. A resource estimate (non-43-101 compliant) was calculated for the Jackpot in March 1956. The Jackpot claims were transferred from Conwest to Ontario Lithium Company Limited (“Ontario Lithium”) in April 1956.

The spodumene-bearing pegmatites on the Jackpot property are hosted by quartz-mica schist. The pegmatites are zoned with an occasional aplite border zone, and common quartz-feldspar-mica outer zone and spodumene-bearing pegmatite inner zone. The outer zone is muscovite-rich, and the inner zone is spodumene-rich. The spodumene-bearing pegmatite contains up to 25 vol.% spodumene in hole 411 in the historic Conwest program. The best lithium (“Li”) assay from Conwest’s 1955 drill program for the spodumene-bearing pegmatite is 4 ft (=1.22 m) of 3.03 % Li<sub>2</sub>O in hole 425. Other highlights from drill assays are 45 ft (=13.72 m) of 1.31 % Li<sub>2</sub>O in hole 407, 25.5 ft (=7.77 m) of 1.42 % Li<sub>2</sub>O in hole 423, and 22 ft (=6.71 m) of 1.41 % Li<sub>2</sub>O in hole 427.

The mineralogy of the spodumene pegmatites at Jackpot is relatively simple. The principle constituents are quartz, feldspar and spodumene with minor amounts of muscovite. Accessory minerals include apatite and beryl. The spodumene is very pale apple green color when fresh and is occasionally weathered to a pale cream color. The spodumene ranges in size from about ½ inch (=1.27 cm) to 2 ft (=0.61 m) long, with individual crystals of feldspar and spodumene usually have a random arrangement.

Field work for the drill program in this report was initiated in late October 2017, with drilling starting on December 11, 2017. Hole J-17-01 was completed and the drilling was suspended December 19, 2017 for a 3-week Christmas break. The program resumed in mid- January 2018, and for the activities reported in this report, continued till April 30, 2018. The larger exploration program continued till mid-December 2018 but activities for that portion of the program will follow at a later date.

Field, support and logistics contracted to the following companies on behalf of Infinite Lithium:



- Diamond drilling – Acklo Diamond Drilling Ltd.
- Logistics, core sawing and support – Don MC Holdings Ltd.
- Geology, supervision, core logging, surveying – Caracle Creek International Consulting Inc.
- Down hole survey rental – Reflex Instrument North America Ltd
- Assaying and analysis – Activation Laboratories Ltd.

Expenditures before GST/HST (not including assay costs) are \$745,580 (invoices summary included Appendix I).

<b>Summary of Expenditures - Phase 1 Drill Program - Jackpot Property</b>				
<b>Contractor</b>	<b>Period</b>	<b>Amount</b>	<b>HST</b>	<b>Total \$</b>
Acklo Diamond Drilling Ltd	Oct 2017 -April 2018	\$471,442.29	\$61,287.49	\$532,729.78
Don MC Holdings Ltd	Nov 2017 -April 2018	\$108,077.50	\$14,050.06	\$122,127.56
Caracle Creek International	Nov 2017 -April 2018	\$156,979.47	\$20,407.32	\$177,386.79
Reflex Instrument NA Ltd	January - April 2017	\$9,080.70	\$1,180.49	\$10,261.19
Activation Laboratories Ltd	January - April 2017	Not applied		
		<b>\$745,579.96</b>	\$96,925.36	\$842,505.32

The Phase 1 diamond drill program was successful in intersecting multiple (up to 3 zones), shallow dipping (north-westerly), lithium -bearing pegmatite zones with significant Li<sub>2</sub>O values. Highlights of 18 drill holes (2,750 meters) include:

- Best intercept (based on drill width x Li<sub>2</sub>O assays) was in hole J-18-04, which intercepted 7.23 meters averaging 2.47% Li<sub>2</sub>O, near surface at depth of 2.20 meters in Dike #1.
- Significant lithium values were received in 15 of 18 drill holes, with 25 significant intercepts (multiple zones in some holes).
- The weighted average grade of 25 intercepts was 1.26 % Li<sub>2</sub>O, over an average drill width of 5.00 meters.
- The thickest intercept was in hole J-18-10 from a depth of 74.10 meters, which returned 0.85 % Li<sub>2</sub>O, over a width of 12.00 meters in Dike # 2.

The drilling indicated that Dike #1 was a near-surface pegmatite dike, and Dike #2 was the shallow dipping pegmatite dike that Conwest discovered and drilled in the 1950s. The Phase 1 drill program was encouraging and as indicated, an expanded exploration program followed until November 2018, and included geological mapping, prospecting, rock sampling, stripping of overburden, trenching and a high -

resolution LIDAR survey. As the property is considered an active exploration site, no reclamation nor rehabilitation of any surface disturbances has been initiated as of the date of this report.

Additional work comprising the compilation and interpretation of all the work completed in 2018 is recommended, followed by a maiden resource estimation.

## **Table of Contents**

Executive Summary	2
Table of Contents	6
1.0 Introduction	8
2.0 Location and Access	8
3.0 Claim Holding and Property Disposition	10
4.0 History and Previous Work	15
5.0 Geological Setting	16
6.0 Phase 1 – Diamond Drill Program	24
7.0 Results and Interpretation	29
8.0 Conclusions and Recommendations	34
9.0 References	36
10.0 Statement of Qualifications	38

## **List of Figures**

Figure 1 Jackpot Property Location	9
Figure 2 Jackpot Property Access Map	10
Figure 3 Claim Map of the Core Claims - Jackpot Property	12
Figure 3b Claim Map of the Entire Jackpot Property	13
Figure 3c Claim Map of SE Corner of Jackpot Core Claims	15
Figure 4 Regional Geology Map	16
Figure 5 Property Geology Map	23
Figure 6 Drill Plan Core Claims – Jackpot Property	26
Figure 7 Drill Plan Section Lines – Jackpot Property	27
Figure 7 Typical Cross - Section	28

## **List of Tables**

Table 1 Jackpot Property Claim Schedule	14
Table 2 Summary of Exploration History on the Jackpot Property	17
Table 3 Drill intercept Highlights - Jackpot Property	32

## **List of Appendices**

Appendix I TABLE OF CLAIMS – JACKPOT PROPERTY

Appendix II SUMMARY OF EXPENDITURES

Appendix III DRILL CROSS -SECTIONS

APPENDIX IV – ASSAYS AND ANALYSIS CERTIFICATES – submitted as a separate file

APPENDIX V – DRILL LOGS – submitted as a separate file

APPENDIX VI – DRILL SURVEY INFORMATION – submitted as a separate file

APPENDIX VII – DRILL COLLAR INFORMATION – submitted as a separate file

APPENDIX VIII – DRILL ASSAY – SPREADSHEET INFORMATION – submitted as a separate  
file

## **1.0 Introduction**

This assessment report documents the results of a diamond drill program over the lithium-bearing pegmatite Main Zone target on the Jackpot property to define the grade, geology and geometry for resource calculations and to assist with geological interpretation of the lithium bearing pegmatites. The Jackpot Property is located in Barbara Lake Area (G-0006), Nipigon MNR District, Thunder Bay Division.

The Jackpot Property covers known historic spodumene-bearing pegmatites hosted by quartz-mica schist. The work was carried out third-party contractors on behalf of Infinite Ore Corp. (formerly Infinite Lithium Corp.)

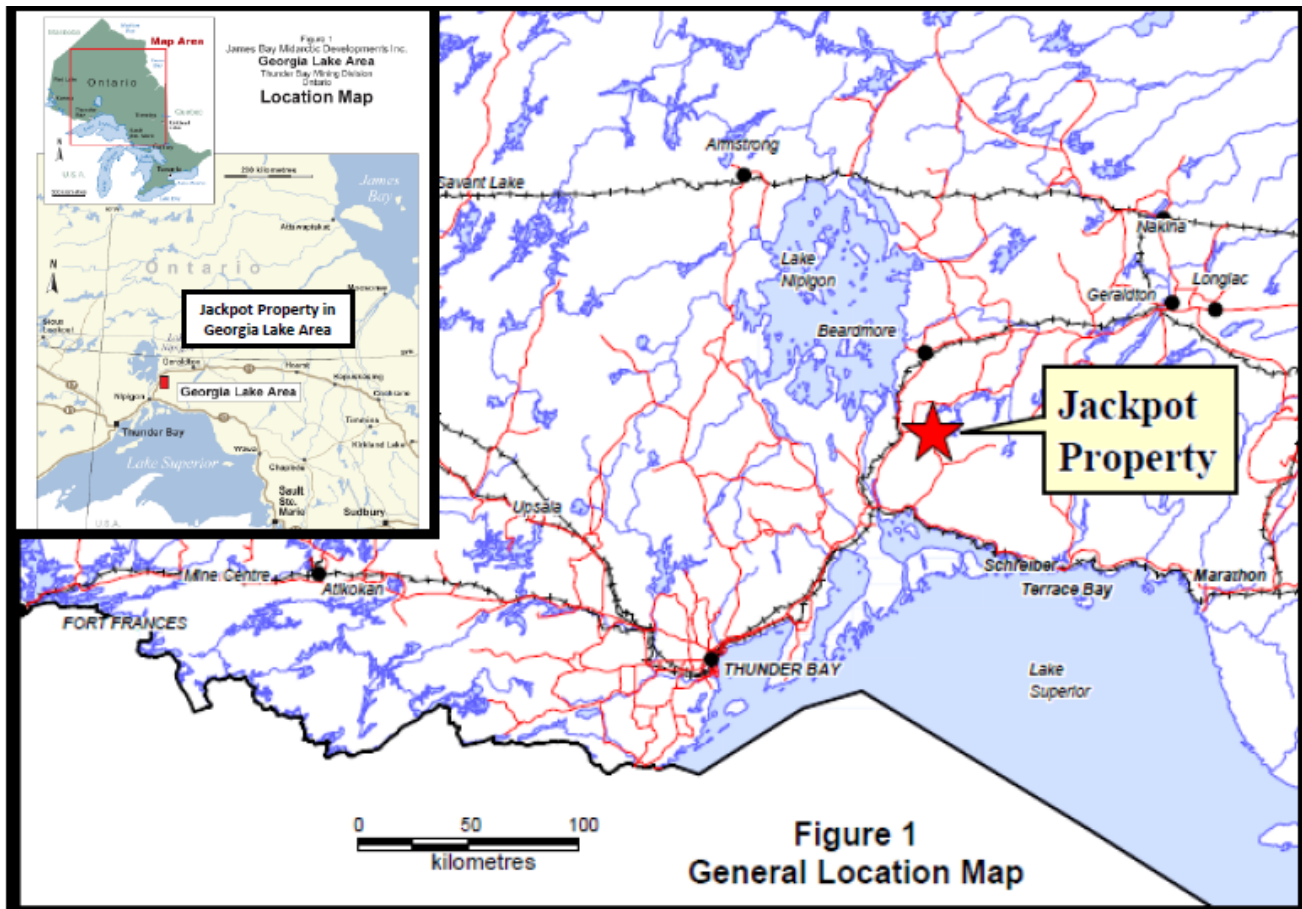
Throughout 2017 and 2018 there was significant increase in interest in hard-rock (pegmatite) lithium projects, driven by the envisioned rapid growth of electrical vehicles (EVs), and the need to supply lithium for batteries. Prices of lithium carbonate peaked at over \$25,000 metric tonne in 2017, resulting in a rush for lithium - bearing pegmatite properties across Canada, many with showings and/or historic resources known from an exploration boom in the 1950s.

However, since late 2018, lithium carbonate prices have tumbled more than 20 percent, and a global glut of lithium supply, far outstripping the slowly emerging demand for EVs, has dramatically diminished interest in lithium properties, at the time of this report

Expenditures before GST/HST (not including assay costs) are \$745,580 (invoices detailed filed separately, summary of expenditures in Appendix II).

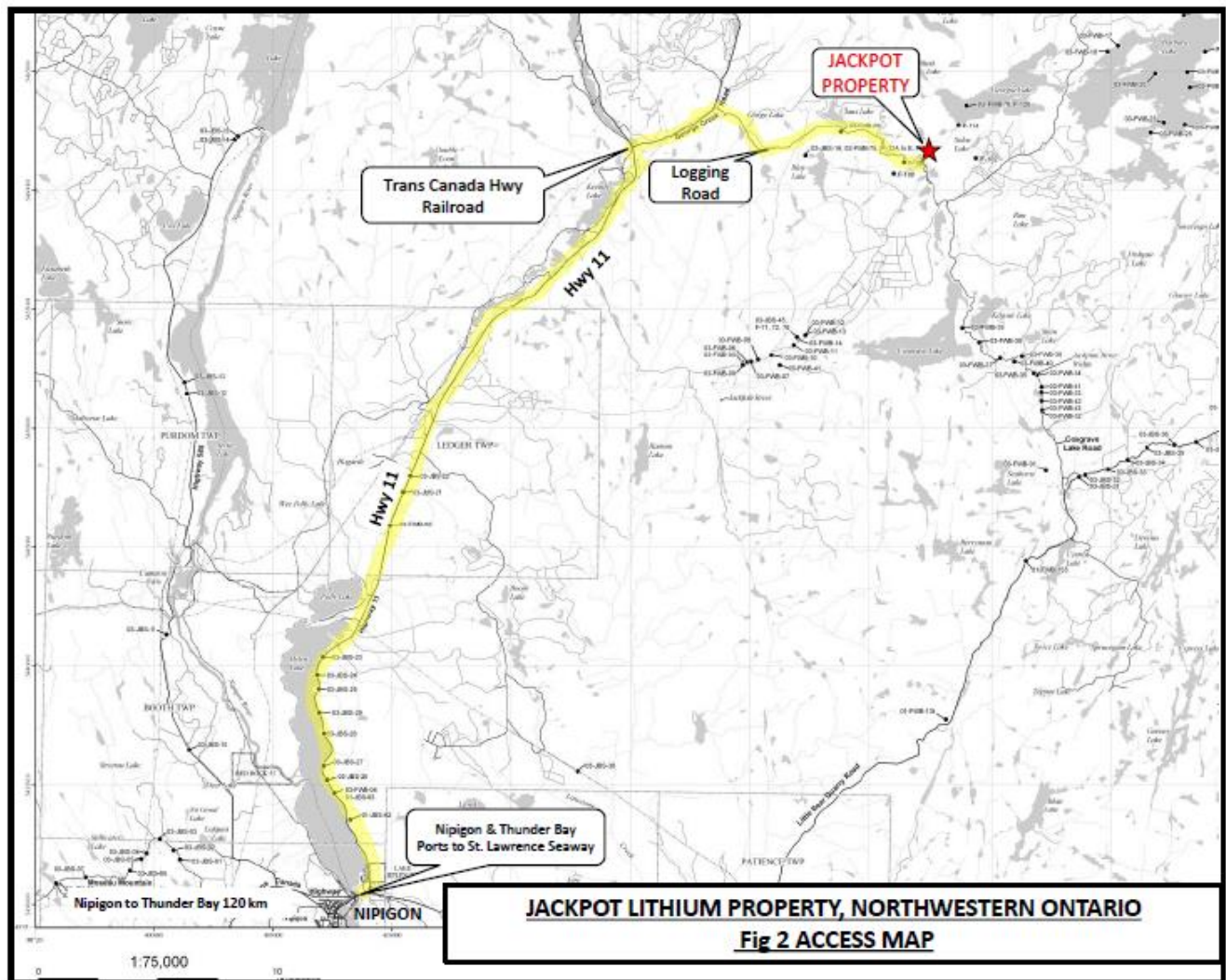
## **2.0 Location and Access**

The Jackpot is located about 1 km southeast of Georgia Lake shore, approximately 50 km northeast of the town of Nipigon by road and 140 km northeast of Thunder Bay (Figure 4- 1). The Jackpot is located within Thunder Bay Mining Division, Barbara Lake Township in NTS sheet 42E05SW. The approximate center of Infinite Lithium's claims is UTM 432551 E, 5461493 N, Zone 16, NAD83 and longitude/latitude 87°55'40" W and 49°18'9" N.



**Figure 1**  
**General Location Map**

The Jackpot can be accessed by driving 40 km north of the town of Nipigon on TransCanada Highway #11, then drive 10 km east on a dirt road towards Georgia Lake. Rough trails constructed for a recent (2018) drill program can access the showings lithium shows by 4 x 4 trucks in dry weather, and by quads or snowmobile at other times of the year.



### **3.0 Claim Holdings and Property Disposition**

The Jackpot Property Core Claim Block is comprised of 33 unit claim cells (1 unit and 32 boundary cells) (107842, 113822, 124776, 124777, 136783, 142300, 142301, 142302, 151543, 172782, 188774, 200956, 200957, 202344, 213194, 21u480, 217481, 227396, 227397, 236040, 236041, 236042, 246865, 255543, 292125, 292126, 304761, 304762, 311532, 311533, 312951, 343010, 343011), covering 256 ha. The claim units are 100% owned by Infinite Ore Corp. (formerly Infinite Lithium Corp.) a publicly traded B.C. incorporated company, trading on the TSX.V exchange, under the symbol ILI.

Infinite Lithium acquired the property through an Option-Purchase agreement that was announced by Alix Resources Ltd. ("Alix", a predecessor company) on April 13, 2016, and was approved by the TSX.V on April 18, 2016. Cumulative terms of the deal call for Alix to issue 2.4 million shares plus

cause expenditures of \$350,000 on the property over a two-year period. In addition, a 1.5-per-cent net smelter return (NSR) will be granted to the vendors with the company able to purchase back 1 per cent for \$1 million. All terms were met, and the property is 100% owned by Infinite Lithium and the NSR is held by the vendors comprising: 2254022 Ontario Ltd., John Rapski, Jim Forbes and Steve Forbes, whereby the company is acquired a 100-per-cent interest in the Jackpot property for consideration of 2.4 million shares, issued as shown in the attached table.

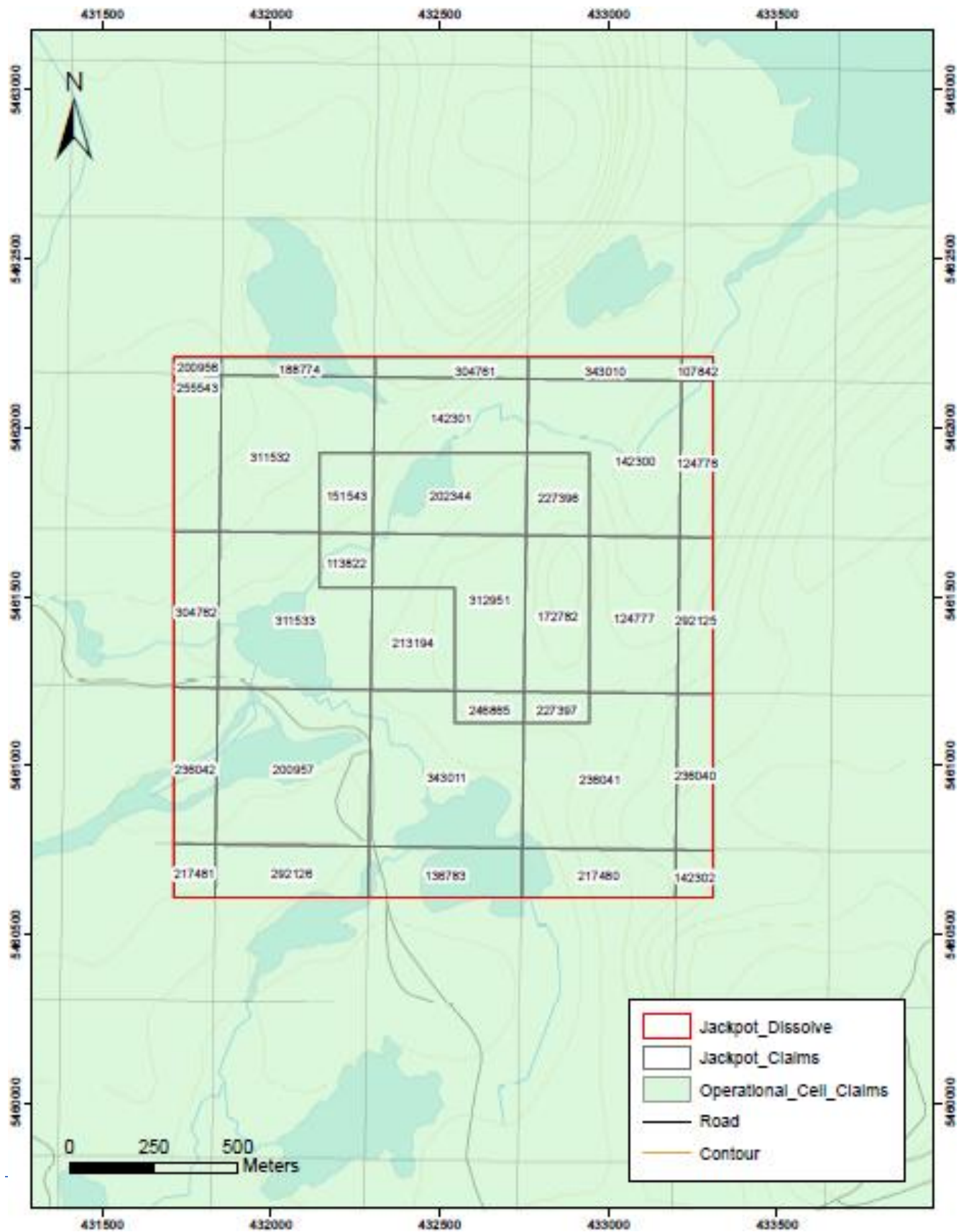
2254022 Ontario Ltd. (Donald McKinnon)	1.2 million common shares
John Rapski	570,000 common shares
Jim Forbes	546,000 common shares
Steve Forbes	84,000 common shares

There is an alienation (WP2006-23), type notice, class wind power which covers the claims. The alienation is for surface rights only.

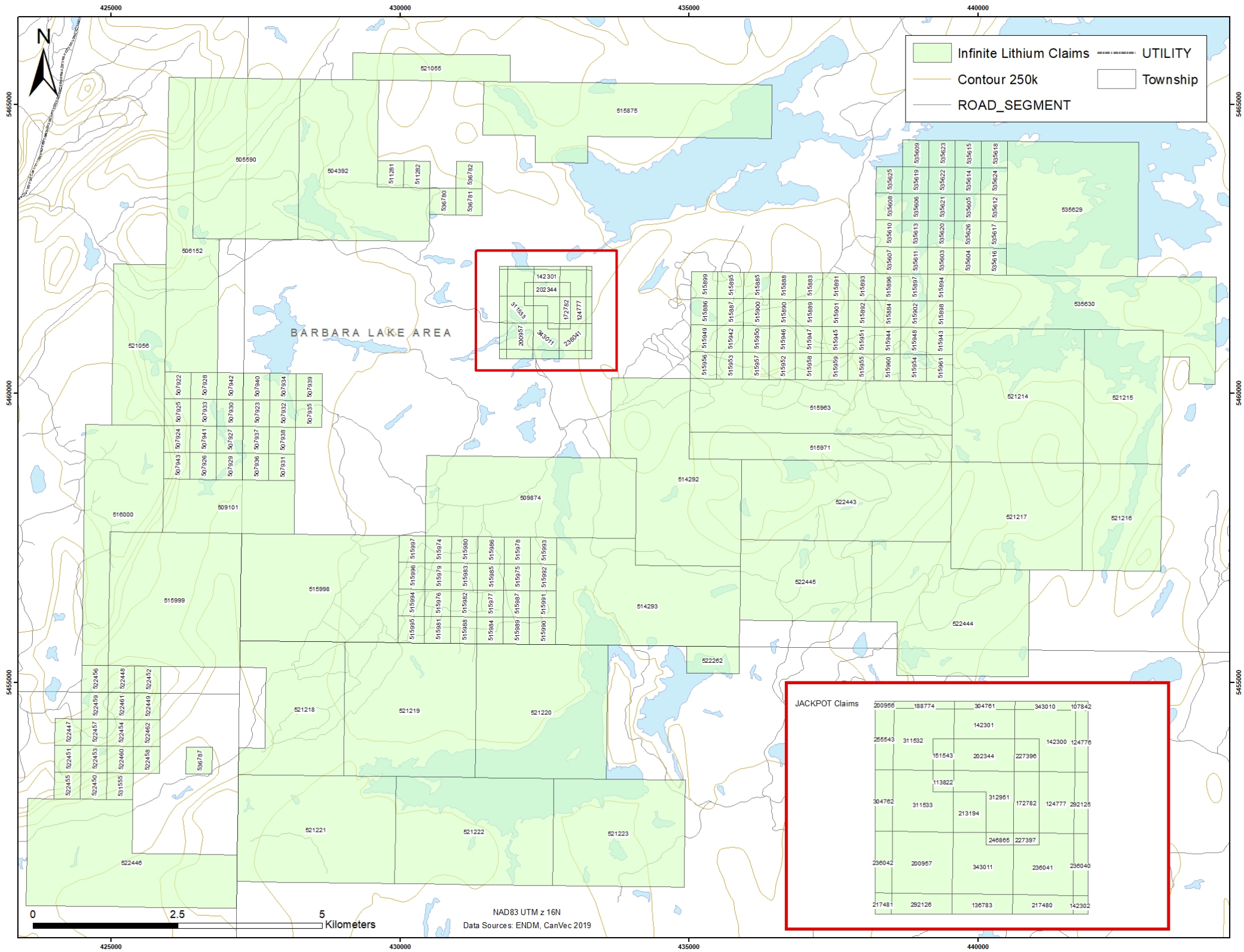
There are no historic mine workings, tailings or environmental liabilities on the property. The description of the mineral titles is based on a review of land tenure under Ontario's Ministry of Energy, Northern Development and Mines, Mining Lands Administration System (MLAS) program (<https://www.mndm.gov.on.ca/en/mines-and-minerals/applications/mlas-map-viewer>).



**Fig 3. CLAIM MAP OF JACKPOT PROPERTY ("Core Claims")**



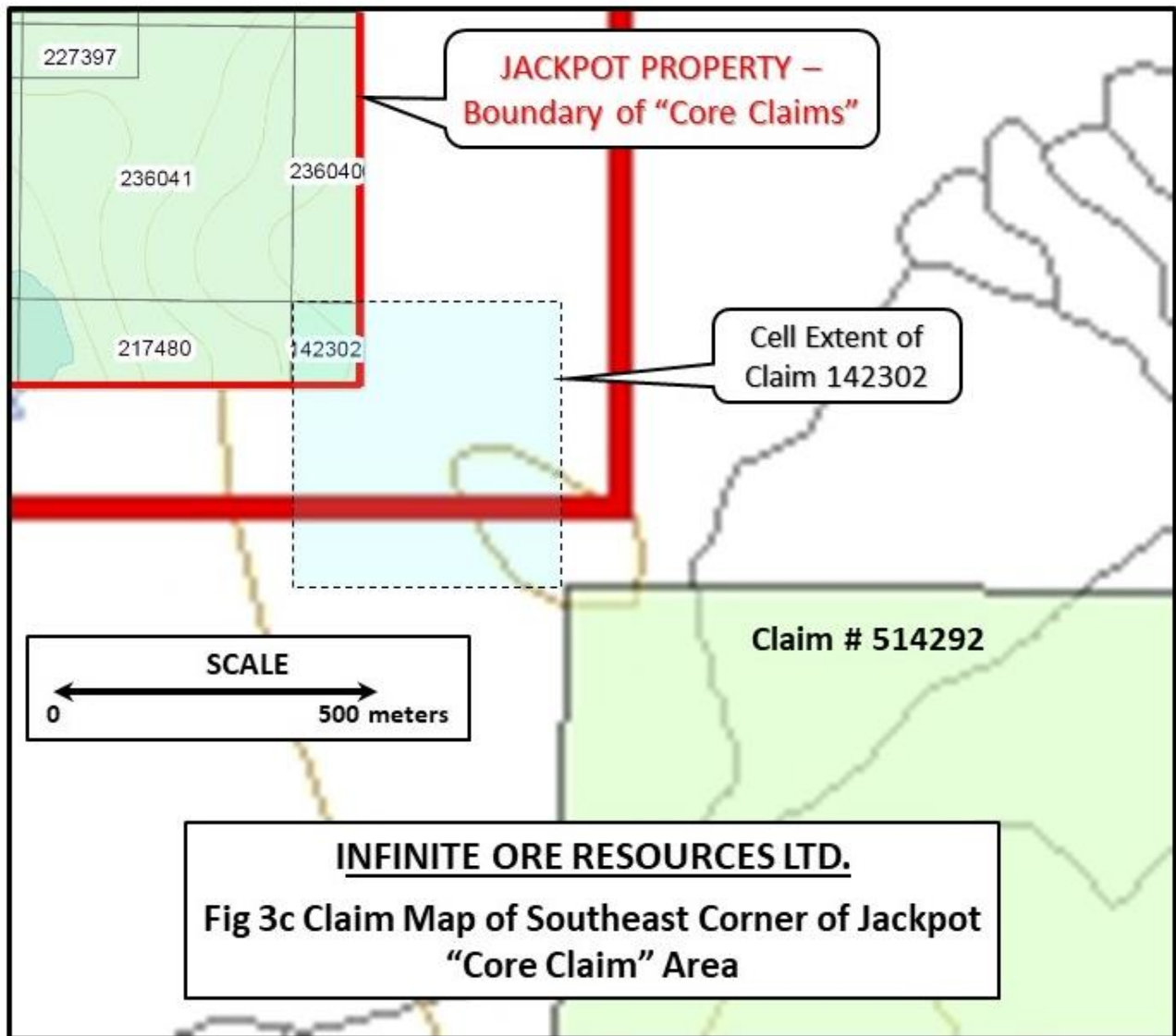
**Fig 3b CLAIM MAP OF ENTIRE JACKPOT PROPERTY**



**Table 1 Jackpot Property – Core Claims Schedule**

<b>JACKPOT MAIN PROPERTY - CLAIM SUMMARY JANUARY 24 2020</b>								
	Claim#	Type	Status	Issue Date	Anniversary Date	Fraction Claim	Area /# of Cells	Owner Client#
1	113822	Claim	Active	4/10/2018	11/5/2025	X	1	(10000292) Infinite Lithium Corp
1	151543	Claim	Active	4/10/2018	6/9/2025	X	1	(10000292) Infinite Lithium Corp
1	172782	Claim	Active	4/10/2018	6/9/2026	X	1	(10000292) Infinite Lithium Corp
1	202344	Claim	Active	4/10/2018	6/9/2026	X	1	(10000292) Infinite Lithium Corp
1	227396	Claim	Active	4/10/2018	6/9/2026	X	1	(10000292) Infinite Lithium Corp
1	227397	Claim	Active	4/10/2018	6/9/2025	X	1	(10000292) Infinite Lithium Corp
1	246865	Claim	Active	4/10/2018	11/5/2025	X	1	(10000292) Infinite Lithium Corp
1	312951	Claim	Active	4/10/2018	6/9/2026	X	1	(10000292) Infinite Lithium Corp
1	107842	Claim	Active	4/10/2018	6/9/2025	X	1	(10000292) Infinite Lithium Corp
1	124776	Claim	Active	4/10/2018	6/9/2025	X	1	(10000292) Infinite Lithium Corp
1	124777	Claim	Active	4/10/2018	6/9/2026	X	1	(10000292) Infinite Lithium Corp
1	136783	Claim	Active	4/10/2018	6/9/2025	X	1	(10000292) Infinite Lithium Corp
1	142300	Claim	Active	4/10/2018	6/9/2026	X	1	(10000292) Infinite Lithium Corp
1	142301	Claim	Active	4/10/2018	6/9/2026	X	1	(10000292) Infinite Lithium Corp
1	142302	Claim	Active	4/10/2018	6/9/2025	X	1	(10000292) Infinite Lithium Corp
1	188774	Claim	Active	4/10/2018	6/9/2025	X	1	(10000292) Infinite Lithium Corp
1	200956	Claim	Active	4/10/2018	6/9/2025	X	1	(10000292) Infinite Lithium Corp
1	217480	Claim	Active	4/10/2018	6/9/2025	X	1	(10000292) Infinite Lithium Corp
1	217481	Claim	Active	4/10/2018	6/9/2025	X	1	(10000292) Infinite Lithium Corp
1	236040	Claim	Active	4/10/2018	6/9/2025	X	1	(10000292) Infinite Lithium Corp
1	236041	Claim	Active	4/10/2018	6/9/2025	X	1	(10000292) Infinite Lithium Corp
1	236042	Claim	Active	4/10/2018	6/9/2025	X	1	(10000292) Infinite Lithium Corp
1	255543	Claim	Active	4/10/2018	6/9/2025	X	1	(10000292) Infinite Lithium Corp
1	292125	Claim	Active	4/10/2018	6/9/2025	X	1	(10000292) Infinite Lithium Corp
1	292126	Claim	Active	4/10/2018	6/9/2025	X	1	(10000292) Infinite Lithium Corp
1	304761	Claim	Active	4/10/2018	6/9/2025	X	1	(10000292) Infinite Lithium Corp
1	304762	Claim	Active	4/10/2018	6/9/2025	X	1	(10000292) Infinite Lithium Corp
1	311532	Claim	Active	4/10/2018	6/9/2025	X	1	(10000292) Infinite Lithium Corp
1	343010	Claim	Active	4/10/2018	6/9/2025	X	1	(10000292) Infinite Lithium Corp
1	200957	Claim	Active	4/10/2018	6/9/2026	X	1	(10000292) Infinite Lithium Corp
1	213194	Claim	Active	4/10/2018	6/9/2026	X	1	(10000292) Infinite Lithium Corp
1	311533	Claim	Active	4/10/2018	11/5/2025	X	1	(10000292) Infinite Lithium Corp
1	343011	Claim	Active	4/10/2018	11/5/2025	X	1	(10000292) Infinite Lithium Corp
33					Total Cells		33	

The Jackpot “Core Claim” block is connected in the southeast corner by claim cell #142302 (based on the full extent of the cell), with the large (25 cells) claim cell #514292, (see Fig 3c below) which allows for the transfer of assessment credits to the much larger Jackpot Property (see Fig 3b above). Refer to Appendix 1 for a summary of claims for the entire Jackpot Property.



#### **4.0 History and Previous Work**

##### **4.1 Discovery of Spodumene in the Georgia Lake Area 1955**

The discovery of spodumene in the Georgia Lake area was summarized in an excellent report by E.G. Pye (1965):

*“One of the topics featured on the program of the annual convention of the Prospectors and Developers Association in spring 1955 was the lithium deposits of the Preissac-Lacorne area in Quebec (Latulippe and Ingham 1955). Samples of the lithium-bearing mineral spodumene were on display. Many years ago, Eric W. Hadley of Auden had discovered a body of pegmatite forming a reef in Georgia Lake (now known as Island Deposit). He noted that the pegmatite contained a*



*prismatic mineral, which he could not identify and which he considered then to be of no value. At the convention, however, he observed that the spodumene on display was very similar to the mineral in the pegmatite at Georgia Lake. He immediately contacted Gordon Miller of Conwest Exploration Company Limited ("Conwest"). An examination was made at once, and impressed with the occurrence, Mr. Miller submitted samples to E.G. Pye for positive identification. Pye, in turn, presented the samples to Dr. H. Quackenbush, a Fort William dentist and amateur mineralogist, who as part of his hobby, had built a spectroscope. With this spectroscope, Dr. Quackenbush confirmed that the mineral was spodumene, and immediately Mr. Miller proceeded to stake a large group of claims for his company."*

*"As news of Hadley's discovery was publicized, prospectors entered the area. About 3,200 claims were staked and within a short time numerous additional lithium deposits were located. Many of these deposits were tested by diamond drilling in 1955 and 1956. Due to lack of adequate markets, however, none of these have been developed. Except for some limited diamond drilling by the Ontario Lithium Company Limited to test the original discovery in July 1957, the area has remained inactive since 1956" (as of Pye's 1965 report).*

#### **4.2 Summary of Exploration History on the Current Jackpot Property**

The Jackpot was previously staked and extensively worked by Conwest Exploration Company Limited ("Conwest") in May 1955. Three properties were staked, comprising the Jackpot, Salo and the Southwest properties. Conwest mapped the pegmatite outcrops on all properties in the spring 1955. From July to November 1955, Conwest drilled 31 holes for a total of 3284 m on the Jackpot deposit.

The best historic Li assay is 4 ft (=1.22 m) of 3.03 % Li<sub>2</sub>O which correlates to 15 vol.% fresh spodumene in hole 425 (Table 6-3). Other highlights from drill assays are 45 ft (=13.72 m) of 1.31 % Li<sub>2</sub>O which correlates to 15 vol.% fresh spodumene in hole 407, 25.5 ft (=7.77 m) of 1.42 % Li<sub>2</sub>O correlates to 10 vol.% fresh spodumene in hole 423, and 22 ft (=6.71 m) of 1.41 % Li<sub>2</sub>O correlates to 5- 15 vol.% fresh spodumene in hole 427.

A resource (historic, non-43-101 compliant) estimate was calculated by Conwest for the Jackpot in March 1956. This contains at least 2,000,000 tons (1,814,369 tonnes), with an average grade from the drilling of 1.09% lithia (Li<sub>2</sub>O)" (Northern Miner, March 22, 1956, p. 32,). This

estimate is not a NI 43-101 compliant resource. It has not been verified by the author and should not be relied upon.

The Jackpot, Salo and Southwest claims were transferred from Conwest to Ontario Lithium in April 1956. In August 1957, Ontario Lithium drilled additional holes on the Salo property. In August 1960, the Jackpot claims were converted to leases. The Jackpot claims were transferred from Conwest to Ontario Lithium Company Limited (“Ontario Lithium”) in April 1956. A summary of the exploration history for the Jackpot, Salo and Southwest properties is given in Table 2.

**Table 2 Summary of exploration history on the Jackpot (1955-1960)**

Date	Company	Activity	Results
Mar. 1955	E.W. Hadley	discovered spodumene on Island showing	
May 2, 1955	Gordon Miller	staked original claims on Jackpot	
May 16, 1955	Conwest	Miller transferred Jackpot claims to Conwest	
spring 1955	Conwest	outcrop mapping	outcrop maps drill logs, plan maps, cross
Jul. to Nov. 1955	Conwest	drilled 31 holes, totalling 3284 m	sections, 13.72 m of 1.31 %Li <sub>2</sub> O
Mar. 1956	Conwest	resource calculation	2,000,000 tons at 1.09 %Li <sub>2</sub> O *
April 16, 1956	Ontario Lithium	Conwest transferred Jackpot claims to Ontario Lithium	
Aug. 24, 1960	Ontario Lithium	Jackpot claims converted to leases (M.R.O.)	

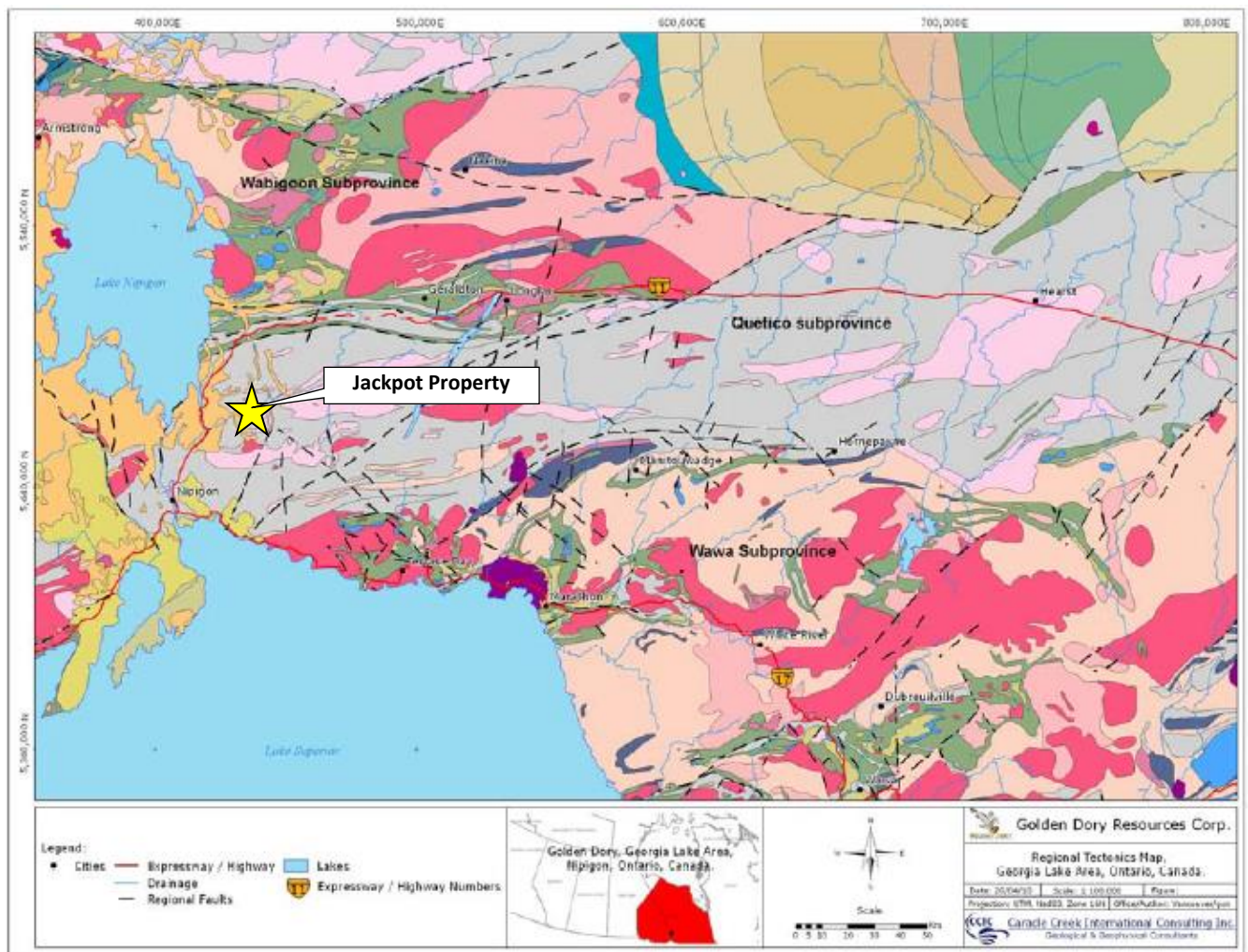
## 5.0 GEOLOGICAL SETTING

### 5.1 Regional Geology

This section on regional geology is excerpted from the Golden Dory, 2010 Report on the Jackpot Property:

*“The Georgia Lake area is located within the metasedimentary Quetico Subprovince of the Superior Province (Figure 4). The Quetico is bounded by the granite-greenstone Wabigoon Subprovince to the north and Wawa Subprovince to the south.*

**Fig 4. Regional Geology** Regional bedrock geology map (from Ontario Geological Survey Map 2542).



### 5.2 Local and Property Geology

This section on regional geology is excerpted from the Golden Dory, 2010 Report on the Jackpot Property:

*“The geology of the Georgia Lake area is of Precambrian age and is discussed by Pye (1965) (Figure 7- 2). The oldest rocks are the Archean metasediments. The metasediments strike east-northeast and dip steeply, in general, to the north. The dominant metasedimentary rock is biotite-quartz-feldspar schist or gneiss. It is a grey, rather dark colored rock, having a distinct banded appearance due to compositional variations reflecting an original sedimentary stratification, with individual layers less than an inch to several feet thick. There is a distinct foliation due to parallel alignment of biotite crystals. Microscopic examination of the biotite-quartz-feldspar schist shows that it is made up of 15-40 vol.% biotite, 20-35 vol.% quartz, 25-45 vol.% plagioclase, 1-3 vol.% magnetite, trace amounts of zircon and rare hornblende. Secondary minerals include chlorite, sericite and epidote. The plagioclase shows myrmekite texture. The most abundant texture in the biotite-quartz-feldspar schist or gneiss is granoblastic, but porphyroblastic rocks are also present with porphyroblasts of garnet, staurolite and cordierite.*

#### *Metagabbro*

*East of Cosgrave Lake and south of Barbara Lake, the metasediments were intruded by metagabbro. Since the metagabbro is not present on the Jackpot, it is not discussed here, and the reader is referred to Pye (1965) for more information on them.*

#### *Granite*

*The metasediments were also intruded by large masses of granitic rocks and by numerous sills and dykes of genetically-related porphyry, pegmatite and aplite. The granitic rocks are pale-grey or pale-pink in colour and their essential components are: 45-65 vol.% feldspar (microcline and plagioclase), 40 vol.% quartz, and one or both of muscovite and biotite and rarely little hornblende. The plagioclase has a composition of albite. Minor components of the granites include magnetite, zircon, and garnet, and secondary minerals: chlorite, sericite and epidote. For the most part the granites are equigranular, but porphyritic phases with microcline phenocrysts also occur. The contacts between the equigranular granitic rocks and the metasediments are generally abrupt.*

#### *Pegmatite*



*There is an abundance of pegmatites close to and within the large masses of granitic rocks. A regional zoning is apparent, and a genetic association of pegmatites and granite is indicated. The pegmatites occur in two geometries: as irregular-shaped bodies and as thin dykes, sills and attenuated lenses. The irregular bodies of pegmatite are intimately associated with the granite bodies often within a few hundred feet of the contact zone. They typically are medium- to coarse-grained, up to very coarse-grained and are made up of quartz, microcline, perthite and little muscovite. These would be classified as potassic pegmatites. Accessory minerals include biotite, tourmaline and garnet. The pegmatite dykes, sills and lenses can be subdivided into rare-element pegmatites and granitic pegmatites. The rare-element pegmatites are of economic significance and they contain microcline or perthite, albite, quartz, muscovite and spodumene and minor amounts of beryl, columbite-tantalite and cassiterite. The granitic pegmatites are similar to the irregular pegmatites described above except that they contain more abundant plagioclase. Some of the pegmatites are parallel to the foliation or bedding of the metasediments, whereas others occur in joints in either the metasediments or granite. Contacts are usually sharp and, except where dykes cut granitic rocks, often found to be marked by a thin border zone of aplite or granitoid composition. A few pegmatites are internally zoned with mica-rich or tourmaline-rich rock along or close to the walls and quartz cores.*

#### *Sedimentary rocks*

*The Proterozoic is represented by sedimentary rocks (sandstone and shale). Since these are not present on the Jackpot, they are not discussed here, and the reader is referred to Pye (1965) for more information on them.*

#### *Diabase*

*Intrusive into the Proterozoic sedimentary rocks and the older formations are bodies of diabase. The largest occur as flat sheets (Logan sills), up to about 650 feet in thickness, and as dykes of vertical or near-vertical attitude. Most of the dykes are related closely to the sheets and are Keweenawan age. The gently dipping diabase sheets are dark coloured and massive. The diabase sheets are well-jointed and most of the joints are vertical or steeply dipping. In outcrop, the diabase shows poorly-formed columnar structure.*

*The property geology was summarized by Dr. Paul Gilmour in MNDMF assessment file 42E05SW0026 which was filed by Ontario Lithium after the drilling and outcrop mapping was completed on the property (Figure 5).*

*The following formations are present on the property and in its immediate neighborhood:*

- Diabase and basalt*
- Granite rocks (including pegmatites)*
- Quartz-mica schist*

*The quartz-mica schist (greywacke) appears to be the oldest rocks in the area. They are poorly exposed, but, judging by the wide distribution of the exposures, they make up most of the area of the property. The relative proportion of quartz and mica in the rock is widely variable, so that the rock grades from a coarse-grained micaceous quartzite to a quartzose mica schist. The contact between the granite and the country rock of quartz-mica schist was not seen, but it appears to be gradational. The contact between the pegmatites and the country rock is sharp and occurs at many localities. The pegmatites obviously post-date the country rocks.*

*Diabase occurs as cappings on most of the high ground on the property. Narrow dykes of basalt may be seen to intrude the quartz-mica schist and the pegmatites.*

*Mineralogy and internal structure of the spodumene-pegmatites*

*The mineralogy of the Jackpot and Salo pegmatites was summarized by Dr. Paul Gilmour in MNDMF assessment file 42E05SW0026. The mineralogy of the pegmatites is relatively simple. The principle constituents are quartz, feldspar and spodumene with minor amounts of muscovite. Accessory minerals include apatite and beryl. The quartz is usually interstitial and occasionally intergrown with feldspar to form a graphic texture as in the Salo showing. The feldspar is white and occurs in crystals varying in size from small plates and laths ½ inch (=1.27 cm) long to large rectangular crystals up to 2 to 3 ft (=0.61-0.91 m) long. The spodumene is very pale apple green colour when fresh and is occasionally weathered to a pale cream colour. Infrequently, the spodumene is altered to masses of dark green, very fine-grained mica. The spodumene ranges in size from about ½ inch (=1.27 cm) to 2 ft (=0.61 m) long as in the Salo and northernmost Jackpot outcrops. The muscovite is pale silvery grey and does not appear to contain lithium in its*

composition. The pegmatite dykes rarely show zoning from fine-grained or aplitic texture on the margins to coarse grained, spodumene-bearing texture in the center of the dykes. The zonation is rarely consistent along the length of a single outcrop. Individual crystals of feldspar and spodumene usually have a random arrangement. Occasionally, a preferred orientation may be noted as at outcrop 22 of the Jackpot.

**LEGEND - Property Geology** Jackpot geology map (from Pye, 1965, Map 2056).

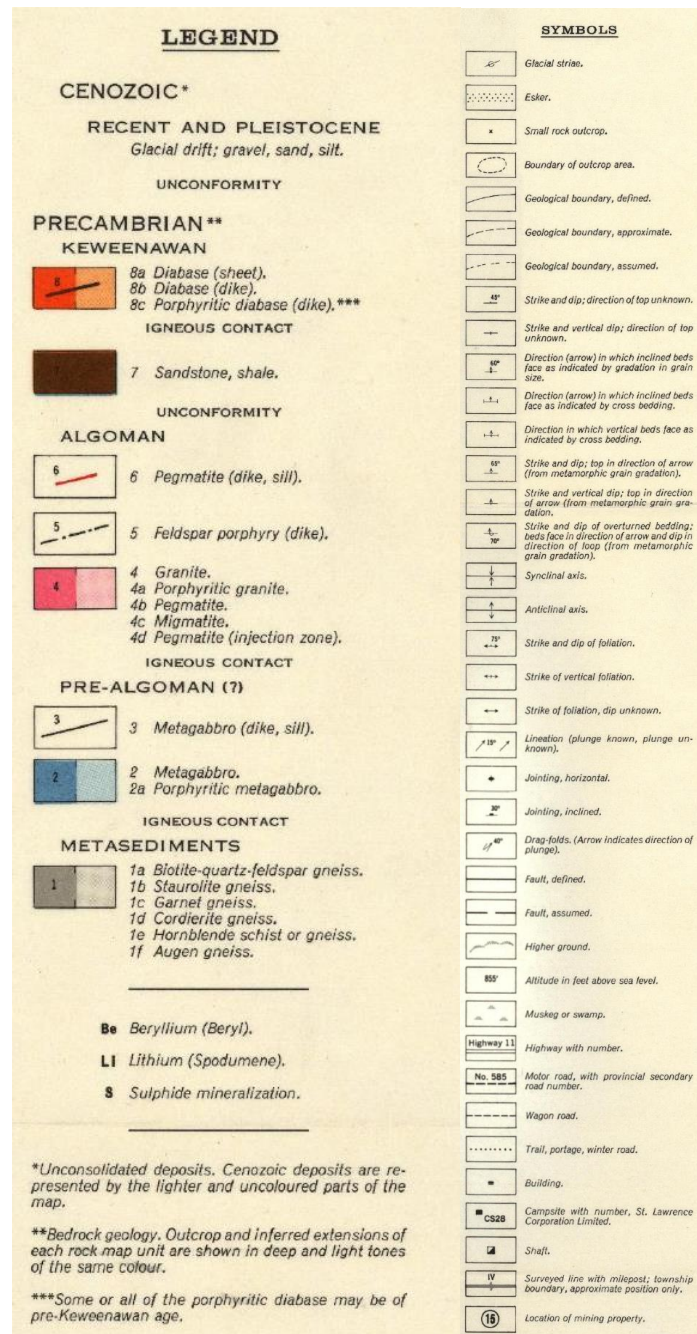
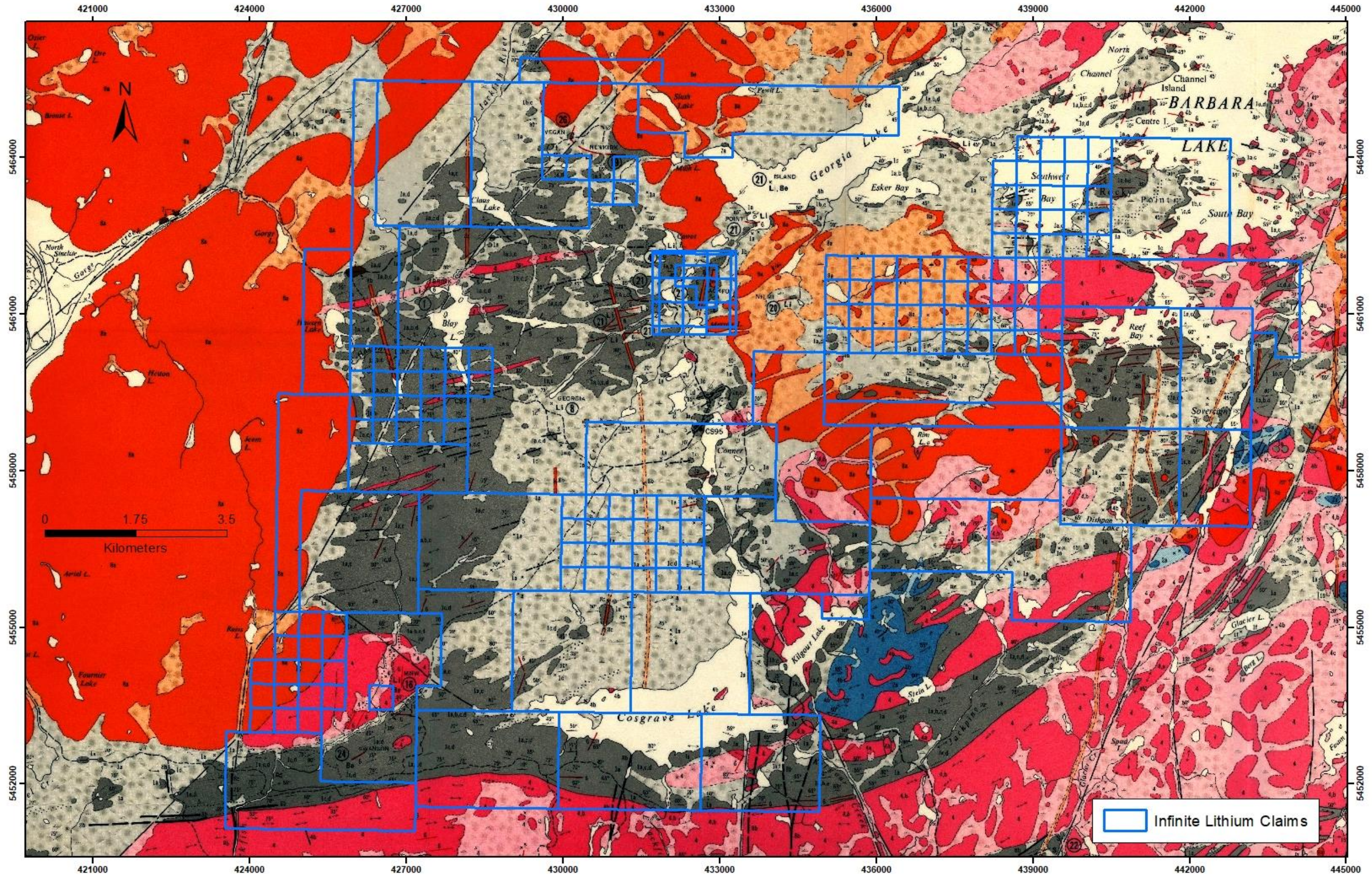




Fig 5. Property Geology Jackpot geology map (from Pye, 1965, Map 2056).





## **6.0 PHASE 1 - DIAMOND DRILL PROGRAM**

The Jackpot Property covers known historic lithium-rich, spodumene-bearing pegmatites hosted by quartz-mica schist. This assessment report summarizes the results of a Phase 1 diamond drill program over the Jackpot property “Core Claims” area to allow for resource calculations and to assist with geological interpretation of the lithium bearing pegmatites. One hole (J-17-01) was completed late in 2017, and 17 holes were completed from January to April 2018, for a total of 2,750 meters of HQ core.

Summary of drilling includes:

<b>BHID</b>	<b>EASTING</b>	<b>NORTHING</b>	<b>ELEVATION_M</b>	<b>EOH_M</b>	<b>AZ</b>	<b>DIP</b>
J-17-01	432481.84	5461235.92	458.46	125.00	0.00	-82.00
J-18-01	432472.00	5461287.00	458.32	116.00	24.00	-80.00
J-18-02	432473.00	5461356.00	461.69	122.00	8.00	-79.00
J-18-03	432468.00	5461413.00	461.66	140.00	41.00	-85.50
J-18-04	432473.50	5461481.32	462.91	178.00	30.00	-81.50
J-18-05	432549.72	5461383.14	466.52	137.00	189.00	-82.00
J-18-06	432503.00	5461327.00	461.79	110.00	169.00	-82.30
J-18-07	432567.13	5461211.94	462.34	137.00	151.00	-85.20
J-18-08	432566.00	5461267.00	464.69	124.00	164.00	-80.20
J-18-09	432572.00	5461334.00	462.82	128.00	178.50	-85.60
J-18-10	432443.00	5461325.00	455.24	125.00	176.00	-75.30
J-18-11	432406.00	5461359.00	450.69	125.00	185.20	-80.00
J-18-12	432394.00	5461329.00	454.00	107.00	174.00	-72.00
J-18-13	432416.00	5461294.00	450.90	251.00	180.00	-70.00
J-18-14	432359.00	5461359.00	446.80	127.00	180.00	-70.00
J-18-15	432448.85	5461202.52	452.16	200.00	180.00	-85.00
J-18-16	432505.31	5461179.96	452.26	247.00	180.00	-85.00
J-18-17	432447.00	5461173.00	452.42	251.00	180.00	-85.00
				<b>2750.00</b>		

Field, support and logistics work for this report was carried out from mid – November to mid -December 2017, and from mid-January to April 30,2018 contracted to the following companies:

- Diamond drilling – Acklo Diamond Drilling Ltd., 95 Frazer St., Connaught, Ontario, P0N 1A0.
- Logistics, core sawing and support – Don MC Holdings Ltd., 3746 Municipal Road, Connaught, Ontario P0N 1A0.
- Geology, supervision, core logging, surveying – Caracle Creek International Consulting Inc., 1545 Maley Drive, Suite 2018, Sudbury, Ontario P3A 4R7.

- Down hole survey rental – Reflex Instrument North America Ltd., 70-C Mountjoy St. N., Suite 510, Timmins, Ontario P4N 4V7.
- Assaying and analysis – Activation Laboratories Ltd., 41 Bittern St., Ancaster, Ontario L9G 4V5.

Expenditures before GST/HST (not including assay costs) are \$745,580 (Summary of expenditures included in Appendix II).

<b>Summary of Expenditures - Phase 1 Drill Program - Jackpot Property</b>				
<b>Contractor</b>	<b>Period</b>	<b>Amount</b>	<b>HST</b>	<b>Total \$</b>
Acklo Diamond Drilling Ltd	Oct 2017 -April 2018	\$471,442.29	\$61,287.49	\$532,729.78
Don MC Holdings Ltd	Nov 2017 -April 2018	\$108,077.50	\$14,050.06	\$122,127.56
Caracle Creek International	Nov 2017 -April 2018	\$156,979.47	\$20,407.32	\$177,386.79
Reflex Instrument NA Ltd	January - April 2017	\$9,080.70	\$1,180.49	\$10,261.19
Activation Laboratories Ltd	January - April 2017	Not applied		
		<b>\$745,579.96</b>	\$96,925.36	\$842,505.32

The following timeline, and activities comprised the drill program:

- October 26, 2017 – Acklo mobilizes equipment to site to start site preparation.
- Early November 2017 to December 20, 2017 – Don MC assists with site preparation, logistics and mobilization.
- December 7, 2017 - Caracle Creek personnel, Andrew Graba, and Daniel Courtney arrive at site. Caracle Creek personnel supervises the drilling, logging the core and arranges logistics, with support from Scott Jobin-Bevans (Chile), and Jason Baker and Wanita Campbell (Sudbury). Caracle Creek on site till December 20, 2017.
- December 11, 2017 to December 17, 2017 - Acklo drilling. Completes hole J-17-01, 125 meters, depth, core logging Andrew Graba, core sawing and sampling Daniel Courtney.
- January 15, 2018 – drilling resumes, with all personnel on site, based in rented house in Nipigon and travel to site by 4x4 trucks.
- January 15, 2018 to April 30, 2018 – Acklo continues drilling, 18 holes completed, for 2,625 meters, with support and logistics by Don MC, and drill supervision, core logging, sampling and administration by Caracle Creek. Assaying and analysis by Activation Lab., and downhole and collar surveying by Reflex Instrument.
- April 30, 2018 – the Jackpot drill and exploration program continues, but this report concludes on April 30, 2018 after hole J-18-17

Fig 6. DRILL PLAN - CORE CLAIMS AREA JACKPOT PROPERTY

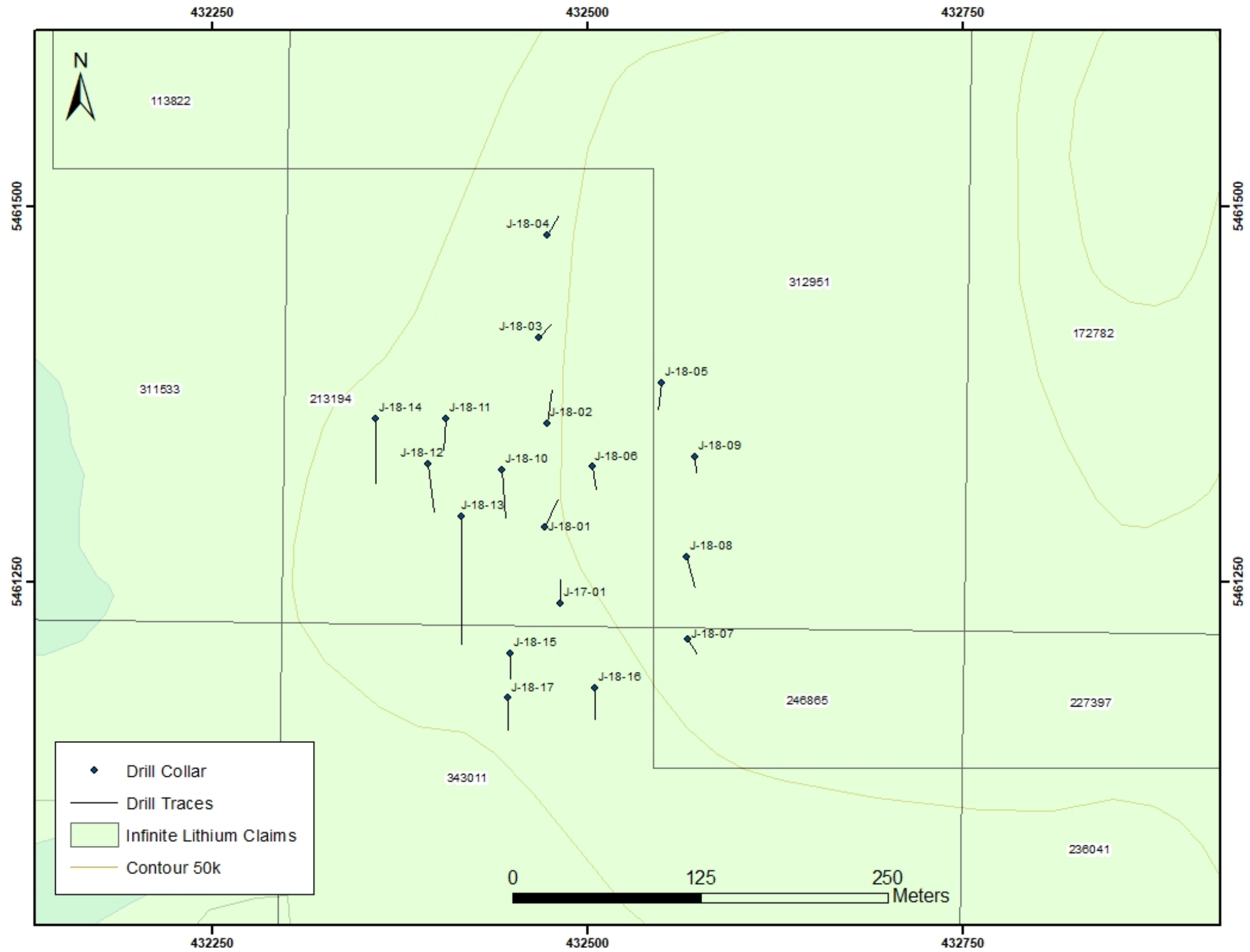


Fig 6. DRILL PLAN WITH SECTION LINES (refer to APPENDIX III) - CORE CLAIMS AREA JACKPOT PROPERTY

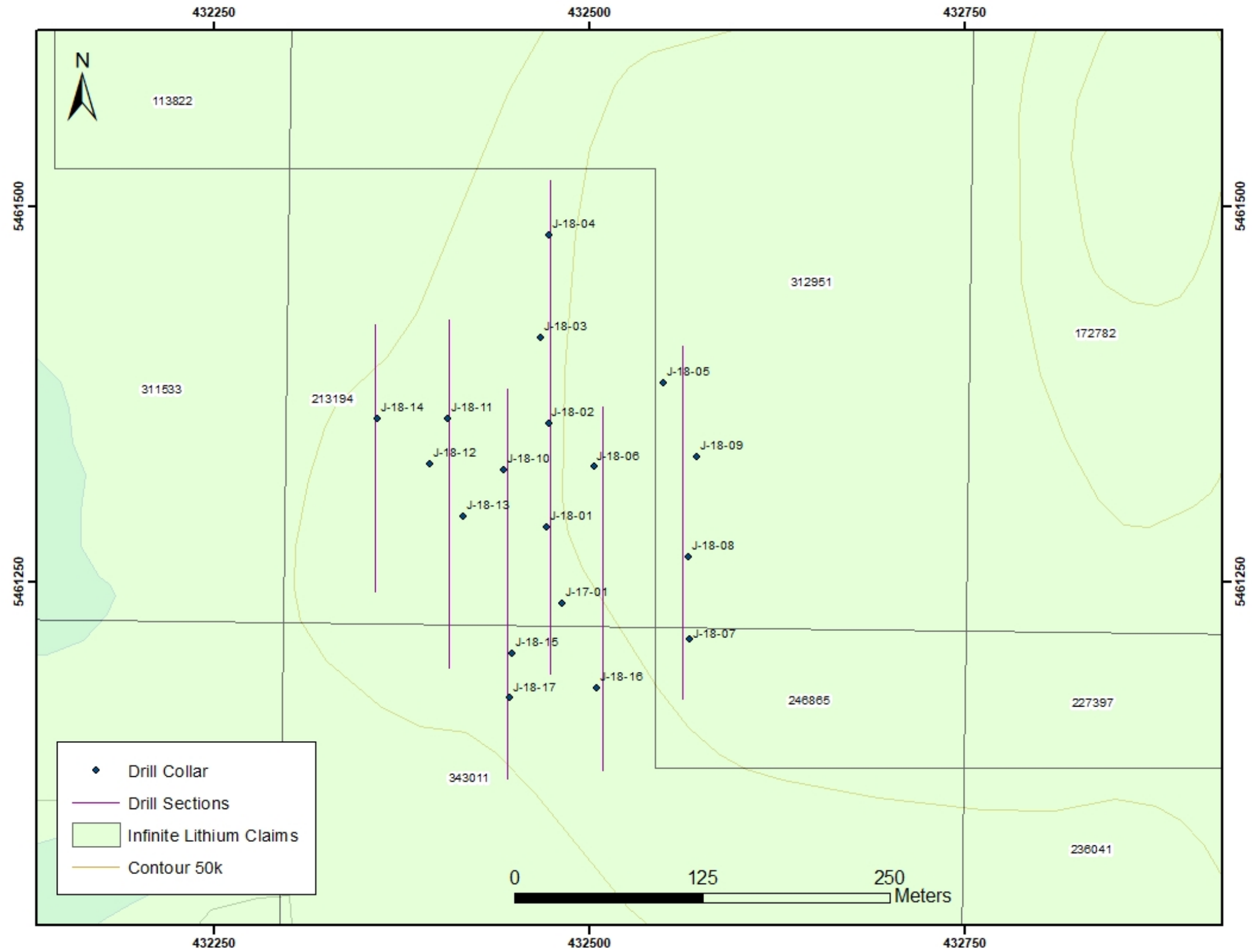
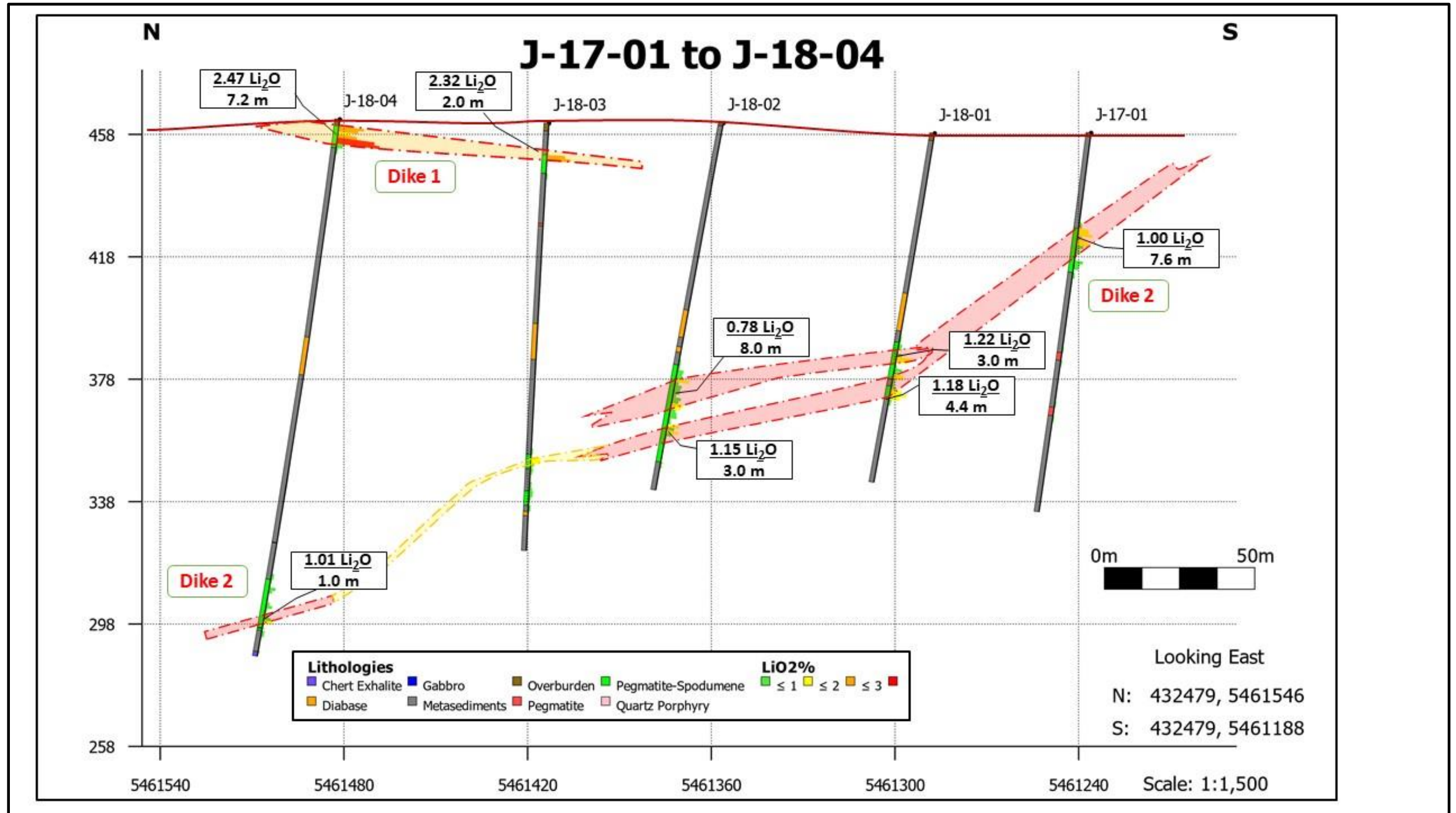




Fig 8 TYPICAL CROSS- SECTION - CORE CLAIMS AREA JACKPOT PROPERTY



## 7.0 RESULTS AND INTERPRETATION

The historical Jackpot lithium pegmatites were described by E.G. Pye (1965) in a government report published by the Ontario Department of Mines (Georgia Lake area). In 1955, the lithium-cesium-tantalum (LCT) pegmatite dikes were tested by a total of 32 drill holes by the Ontario Lithium Co. Ltd. and its associated company, Conwest Exploration Co. Ltd. This historical drilling confirmed the presence of at least two spodumene-bearing pegmatite bodies -- one at and near the surface (No. 1) and the second (No. 2) lying beneath the No. 1 pegmatite.

The No. 1 pegmatite was found to be a flat-lying body variably exposed at surface and with thicknesses ranging from six metres to nine metres. Interpretation to date confirms that the lower No. 2 pegmatite strikes at approximately north 65 degrees east and dips 15 degrees to 25 degrees northwest as reported by Mr. Pye (1965). Both the upper No. 1 and lower No. 2 pegmatites are open toward the east and west and down dip. The 2017-2018 drill program confirmed the previous interpretation.

Reported historical mineral resources at Jackpot were calculated on the basis of the No. 2 pegmatite and reported as two million tonnes of 1.09 per cent Li<sub>2</sub>O (estimated in 1956 by Ontario Lithium\*, non-43-101 compliant). The No. 2 pegmatite was intersected by drilling at 30-metre-to-100-metre intervals over a strike length of 215 metres, and at 30-metre-to-60-metre intervals over a distance of approximately 365 metres across strike. The No. 2 pegmatite is approximately four metres to 20 metres thick, averaging 11 metres. It should be noted that no evidence exists to suggest that assaying was ever carried out for any elements other than lithium.

*\* The estimates presented herein are treated as historical information and have not been verified or relied upon for economic evaluation by the company. These historical mineral resources do not refer to any category of sections 1.2 and 1.3 of the National Instrument 43-101 such as mineral resources or mineral reserves as stated in the 2010 CIM (Canadian Institute of Mining, Metallurgy and Petroleum) definition standards on mineral resources and mineral reserves. A qualified person has not yet done sufficient enough work to classify the historical resource estimate as current mineral resources or mineral reserves, and the historical resource estimate should not be relied upon. The company is not treating the historical estimate as current mineral resources or mineral reserves.*

The Phase 1 drill results were reported by the Company in a press release dated April 18, 2018:

Infinite Lithium drills five m of 3.02% Li <sub>2</sub> O at Jackpot - 2018-04-18 10:04 ET - News Release Mr. Michael England reports
--

**INFINITE DISCOVERS THIRD LITHIUM ZONE - INTERSECTS 5 METRES OF 3.02% LI2O, INCLUDING 1 METRE OF 5.11% LI2O AT JACKPOT LITHIUM PROJECT, ONTARIO**

Infinite Lithium Corp. has provided further drill results from holes J-18-06 through 15 of the continuing phase 1 drilling program which began in December 2017. A third lithium-bearing pegmatite zone has been discovered (drill hole J-18-13: 3.02 per cent lithium dioxide from 232.65 to 237.65 m) which will be targeted as part of the current drilling program.

Results from the phase 1 drilling program are being used to guide future drilling and to complete a National Instrument 43-101 technical report and mineral resource estimation.

The most recent 10 drill holes (totaling 1,371 metres) are now available for reporting as displayed in the table.

Drill hole	From (m)	To (m)	Int. (m)*	Li2O (%)
J-18-05	1.00	2.50	1.50	1.90
J-18-05	94.50	99.50	5.00	1.03
incl.	97.50	98.50	1.00	1.51
J-18-06	90.00	97.00	7.00	1.60
incl.	92.00	95.00	3.00	2.30
J-18-07	17.00	18.00	1.00	1.02
J-18-08	35.00	43.75	8.75	1.08
J-18-09	minor spodumene-bearing pegmatite/anomalous lithium			
J-18-10	74.10	86.10	12.00	0.85
incl.	74.10	78.10	4.00	1.08
J-18-11	80.35	91.00	10.65	1.03
incl.	80.35	82.35	2.00	1.35
J-18-12	73.00	82.00	9.00	1.34
incl.	77.00	78.00	1.00	2.36
incl.	80.00	81.00	1.00	2.39
J-18-13	66.00	70.00	4.00	0.98
incl.	67.00	68.00	1.00	1.49
J-18-13	74.00	75.00	1.00	1.17
J-18-13	232.65	237.65	5.00	3.02
incl.	235.00	236.00	1.00	5.11
J-18-14	85.70	90.60	4.90	1.08
incl.	86.70	87.70	1.00	1.29

\* Intervals do not represent true widths.

A total of 15 drill holes, totaling approximately 2,052 metres, have been completed to date and all results are now reported. All but one drill hole (J-18-09) contained significant spodumene-bearing pegmatite intercepts. Locations of the drill holes are designed to support historic drilling results, assist in modelling the orientation of the pegmatites and provide a more robust understanding of the property's potential. Drilling to date confirms the presence of the three pegmatite dikes, one near or at surface and relatively flat-lying (dike No. 1), the second striking approximately east-northeast and dipping shallowly to the northwest (dike No. 2), and a third pegmatite dike (dike No. 3) below dike No. 2.

Michael England, president of Infinite Lithium, commented: "The current drilling program identified a third dike below dike No. 2, with the initial intercept returning high-grade lithium results from what is near-pristine spodumene. This is our first time intersecting dike No. 3 and we will continue to target it in our current drilling program. The discovery of dike No. 3 is significant for us as we hope it will help us build future tonnage at Jackpot and potentially add to increasing the grade from what we have seen in the historical resource estimate. I am very pleased with our results to date and look forward to seeing more from this new discovery and our existing targets as we continue drilling. I look forward to also beginning our summer surface exploration program."...

The technical contents of this news release were approved by Dr. Scott Jobin-Bevans, PGeo, a qualified person as defined by the National Instrument 43-101. The properties have not been the subject of a National Instrument 43-101 report.

Infinite Lithium is a junior mining exploration company focused on seeking and acquiring world-class lithium projects globally. Infinite Lithium continues to evaluate suitable prospects that fit the mandate of the company.

The Phase 1 diamond drill program was successful in intersecting multiple (up to 3 zones), shallow dipping (north-westerly), lithium - bearing pegmatite zones with significant Li<sub>2</sub>O values. Highlights of 18 drill holes (2,750 meters) include:

- Best intercept (based on drill width x Li<sub>2</sub>O assays) was in hole J-18-04, which intercepted 7.23 meters averaging 2.47% Li<sub>2</sub>O, near surface at depth of 2.20 meters in Dike #1.
- Significant lithium values were received in 15 drill holes, with 25 significant intercepts (multiple zones in some holes).
- The weighted average grade of 25 intercepts 1.26% Li<sub>2</sub>O, over an average drill width of 5.00 meters.

- The thickest intercept was in hole J-18-10 from a depth of 74.10 meters, which returned 0.85 % Li<sub>2</sub>O, over a width of 12.00 meters in Dike # 2.

TABLE 3 – DRILL INTERCEPT HIGHLIGHTS – PHASE 1 DRILL PROGRAM

Drill Hole	From (m)	To (m)	*Interval (m)	%Li <sub>2</sub> O	Comments
<b>J-17-01</b>	31.45	39.00	7.55	1.00	dike #2
incl.	31.45	34.00	2.55	1.33	
incl.	33.00	34.00	1.00	1.63	
incl.	35.00	37.00	2.00	1.28	
<b>J-18-01</b>	73.00	76.00	3.00	1.22	dike #2
incl.	74.00	76.00	2.00	1.55	
J-18-01	78.00	81.57	3.57	0.86	
incl.	80.00	81.57	1.57	1.77	
J-18-01	84.00	88.35	4.35	1.18	
incl.	85.00	88.35	3.35	1.38	
<b>J-18-02</b>	82.00	90.00	8.00	0.78	dike #2
incl.	84.00	86.00	2.00	1.16	
J-18-02	91.00	95.00	4.00	1.04	
incl.	93.00	95.00	2.00	1.24	
J-18-02	100.00	103.00	3.00	1.15	
<b>J-18-03</b>	10.40	12.40	2.00	2.32	dike#1
<b>J-18-04</b>	2.20	9.43	<b>7.23</b>	<b>2.47</b>	dike#1
incl.	6.00	8.00	2.00	4.48	
J-18-04	166.00	167.00	1.00	1.01	dike #2
<b>J-18-05</b>	1.00	2.50	1.50	1.90	dike#1
J-18-05	94.50	99.50	5.00	1.03	dike #2
incl.	97.50	98.50	1.00	1.51	
<b>J-18-06</b>	90.00	97.00	7.00	1.60	dike #2
incl.	92.00	95.00	3.00	2.30	
<b>J-18-07</b>	17.00	18.00	1.00	1.02	
<b>J-18-08</b>	35.00	43.75	8.75	1.08	dike #2
<b>J-18-09</b>	minor spodumene-bearing pegmatite/anomalous lithium				spodumene/anomalous Li <sub>2</sub> O
<b>J-18-10</b>	74.10	86.10	12.00	0.85	dike #2
incl.	74.10	78.10	4.00	1.08	
<b>J-18-11</b>	80.35	91.00	10.65	1.03	dike #2
incl.	80.35	82.35	2.00	1.35	

Drill Hole	From (m)	To (m)	*Interval (m)	%Li <sub>2</sub> O	Comments
<b>J-18-12</b>	73.00	82.00	9.00	1.34	dike #2
incl.	77.00	78.00	1.00	2.36	
incl.	80.00	81.00	1.00	2.39	
<b>J-18-13</b>	66.00	70.00	4.00	0.98	dike #2
incl.	67.00	68.00	1.00	1.49	
J-18-13	74.00	75.00	1.00	1.17	dike #2
J-18-13	232.65	237.65	5.00	3.02	dike #3 - NEW
incl.	235.00	236.00	1.00	5.11	
<b>J-18-14</b>	85.70	90.60	4.90	1.08	dike #2
incl.	86.70	87.70	1.00	1.29	
<b>J-18-15</b>	46.00	50.00	4.00	0.92	dike #2
incl.	47.00	50.00	3.00	1.01	
J-18-15	52.00	55.18	3.18	1.00	
J-18-15	61.00	65.33	4.33	1.33	
incl.	64.00	65.33	1.33	1.86	
<b>J-18-16</b>	66.90	70.50	3.60	0.01	pegmatite dike intersected - altered spodumene
<b>J-18-17</b>	minor spodumene-bearing pegmatite/anomalous lithium				pegmatite dikes intersected - altered

The Phase 1 drill program was conducted on four claim cells: CI # 213194, CI #312951, CI #246865, and CI #343011, with the distribution of the total expenditures of \$745,580, distributed respectively as follows: CI # 213194 (\$413,729), CI #312951 (\$105,466), CI #246865 (\$37,143 ), and CI #343011 (\$189,242).

## **8.0 Conclusions and Recommendations**

This assessment report summarizes the results of a Phase 1 diamond drill program over the lithium-bearing pegmatite Main Zone on the Jackpot property (“Core Claims”) to confirm the presence of, and geometry of, lithium-bearing pegmatites to assist with geological interpretation, leading to a 43-101 compliant resource calculation. The drill program mobilized and started in late October 2017, and the Phase 1 portion reported in this document, comprised 18 drill holes and 2,750 meters, ending on April 30, 2018.

The work was carried out third-party contractors on behalf of Infinite Ore Corp. (formerly Infinite Lithium Corp.), the 100% owners of the property. The Phase 1 diamond drill program was conducted in conjunction with a large exploration program that ran from October 2017 to November 2018.

Field, support and logistics contracted to the following companies on behalf of Infinite Lithium:

- Diamond drilling – Acklo Diamond Drilling Ltd.
- Logistics, core sawing and support – Don MC Holdings Ltd.
- Geology, supervision, core logging, surveying – Caracle Creek International Consulting Inc.
- Down hole survey rental – Reflex Instrument North America Ltd
- Assaying and analysis – Activation Laboratories Ltd.

Expenditures before GST/HST (not including assay costs) are \$745,580 (invoices summary included Appendix I).

The Phase 1 drill program was conducted on four claim cells: Cl # 213194, Cl #312951, Cl #246865, and Cl #343011, with the distribution of the total expenditures of \$745,580, distributed respectively as follows: Cl # 213194 (\$413,729), Cl #312951 (\$105,466), Cl #246865 (\$37,143 ), and Cl #343011 (\$189,242).

The Jackpot “Core Claim” block is connected in the southeast corner by claim cell #142302 (based on the full extent of the cell), with the large (25 cells) claim cell #514292, which allows for the transfer of assessment credits to the much larger Jackpot Property.

Throughout 2017 and 2018 there was significant increase in interest in hard-rock (pegmatite) lithium projects, driven by the envisioned rapid growth of electrical vehicles (EVs), and the need to supply lithium for batteries. Prices of lithium carbonate peaked at over \$25,000 metric tonne in 2017, resulting in a rush for lithium - bearing pegmatite properties across Canada, many with showings and/or historic resources known from an exploration boom in the 1950s.

The Phase 1 drill program completed by Infinite Lithium indicated that Dike #1 was a near-surface pegmatite dike, and Dike #2 was the shallow dipping pegmatite dike that Conwest discovered and drilled in the 1950s. The Phase 1 drill program was encouraged and as indicated, an expanded exploration program followed until November 2018, and included geological mapping, prospecting, rock sampling, stripping of overburden, trenching and a high-resolution LIDAR survey.

However, since late 2018, lithium carbonate prices have tumbled more than 20 percent, and a global glut of lithium supply, far outstripping the slowly emerging demand for EVs, has dramatically diminished interest in lithium properties. Coupled with the collapse and bankruptcy of the former “darling” lithium stock, Nemaska Lithium Inc., the lithium sector at the time of this report is significantly depressed, and although exploration was successful on the Jackpot property, there are no immediate plans for near-term field work. Consequently, the only additional work recommended at the time of this report, is the continuing the compilation and interpretation of all the work completed in 2018 is recommended, followed by a maiden resource estimation at some time in the future.



## **9.0 References**

- Breaks, F.W. and Tindle, A.G., 2001: Rare element mineralization of the Separation Lake area, northwest Ontario: Characteristics of a new discovery of complex type, petalite-subtype, Li-Rb-Cs-Ta pegmatite. In *Industrial Minerals in Canada*. Edited by S. Dunlop and G.J. Simandl. Canadian Institute of Mining, Metallurgy and Petroleum, Special Volume 53, p. 159-178.
- Breaks, F.W., Selway, J.B. and Tindle, A.G., 2003: Fertile peraluminous granites and related rare element mineralization in pegmatites, Superior province, northwest and northeast Ontario: Operation Treasure Hunt. Ontario Geological Survey, Open File Report 6099, 179 p.
- Černý, P., 1991: Rare element granitic pegmatites. Part I: Anatomy and internal evolution of pegmatite deposits. *Geoscience Canada*, 18, p. 49-67.
- Černý, P., Ercit, T.S. and Vanstone, P.J., 1998: Mineralogy and petrology of the Tanco rare element pegmatite deposit, southeastern Manitoba. International Mineralogical Association, 17th General Meeting, Field Trip Guidebook B6, 74 p.
- Černý, P., Trueman, D.L., Ziehlke, D.V., Goad, B.E. and Paul, B.J., 1981: The Cat Lake-Winnipeg River and the Wekusko Lake pegmatite fields, Manitoba. Manitoba Department of Energy and Mines, Mineral Resources Division, Economic Geology Report ER80-1, 216 p.
- Latulippe, M. and Ingham, W.N., 1955: Lithium deposits of the Lacorne area, Quebec; paper presented at the 1955 Convention of the Prospectors and Developers Association.
- London, D., 2008: Pegmatites, Mineralogical Association of Canada, Special Publication 10, Quebec City.
- Northern Miner, March 22, 1955 issue: Tonnage Estimates at Ontario Lithium, p. 32.
- Pye, E.G., 1965: Georgia Lake Area. Ontario Department of Mines, Geological Report No. 31.
- Selway, J.B., Breaks, F.W., and Tindle, A.G., 2005: A review of rare-element (Li-Cs-Ta) pegmatite exploration techniques for the Superior Province, Canada and large worldwide Tantalum deposits, *Exploration and Mining Geology*, v. 14, p. 1-30.
- Selway, J.B., 2010: Property Report on the Jackpot Lithium Property, 43-101 report completed by Caracle Creek International Consulting Inc., on behalf of Golden Dory Resources Corp., Gander, Newfoundland

-= Weicker, RFW., 2019: Assessment Report on Aerial Survey (LIDAR) conducted by RME Geomatics on the Jackpot Property, Thunder Bay Mining Division, Barbara Lake Township for Infinite Lithium Corp.

## **10.0 Statement of Qualifications**

I, Robert Weicker, of Suite 2801, 1166 Melville St., Vancouver, B.C., do hereby certify

that:

- I am a graduate of University of Waterloo (B.Sc. Earth Sciences, 1977), and I have been practicing my profession as a geologist since, with over 30 years of exploration, development, and production experience, across Canada, and internationally.
- I have visited the Jackpot Property.
- I have direct knowledge of the exploration work performed for this assessment report.

Signed

“R.F, Weicker”

Robert F. Weicker Geologist

April 8, 2020

Vancouver, B.C.

**APPENDIX I TABLE OF CLAIMS – JACKPOT PROPERTY**





TENURE_N UM	TENURE_S_ 1	ISSUE_DATE	ANNIVERSAR	EXTENS ION_	HOLDER	Legacy_Cla	Township__	Number of Cells
521056	Active	5/9/2018 0:00	5/9/2020 0:00		(100) Infinite Lithium Corp	0	KEEMLE LAKE AREA	12
521220	Active	5/11/2018 0:00	5/11/2020 0:00		(100) Infinite Lithium Corp	0	BARBARA LAKE AREA,COSGRAVE	25
521215	Active	5/11/2018 0:00	5/11/2020 0:00		(100) Infinite Lithium Corp	0	BARBARA LAKE AREA	15
521216	Active	5/11/2018 0:00	5/11/2020 0:00		(100) Infinite Lithium Corp	0	BARBARA LAKE AREA	12
521217	Active	5/11/2018 0:00	5/11/2020 0:00		(100) Infinite Lithium Corp	0	BARBARA LAKE AREA	20
521221	Active	5/11/2018 0:00	5/11/2020 0:00		(100) Infinite Lithium Corp	0	COSGRAVE LAKE AREA,HANSON I	24
521223	Active	5/11/2018 0:00	5/11/2020 0:00		(100) Infinite Lithium Corp	0	COSGRAVE LAKE AREA	20
521214	Active	5/11/2018 0:00	5/11/2020 0:00		(100) Infinite Lithium Corp	0	BARBARA LAKE AREA	25
521219	Active	5/11/2018 0:00	5/11/2020 0:00		(100) Infinite Lithium Corp	0	BARBARA LAKE AREA,COSGRAVE	25
521222	Active	5/11/2018 0:00	5/11/2020 0:00		(100) Infinite Lithium Corp	0	COSGRAVE LAKE AREA	24
521218	Active	5/11/2018 0:00	5/11/2020 0:00		(100) Infinite Lithium Corp	0	BARBARA LAKE AREA,COSGRAVE	17
522262	Active	5/30/2018 0:00	5/30/2020 0:00		(100) Infinite Lithium Corp	0	BARBARA LAKE AREA,COSGRAVE	2
522445	Active	6/3/2018 0:00	6/3/2020 0:00		(100) Infinite Lithium Corp	0	BARBARA LAKE AREA	15
522444	Active	6/3/2018 0:00	6/3/2020 0:00		(100) Infinite Lithium Corp	0	BARBARA LAKE AREA,COSGRAVE	25
522446	Active	6/3/2018 0:00	6/3/2020 0:00		(100) Infinite Lithium Corp	0	COSGRAVE LAKE AREA,HANSON I	24
522447	Active	6/3/2018 0:00	6/3/2020 0:00		(100) Infinite Lithium Corp	0	HANSON LAKE AREA	1
522448	Active	6/3/2018 0:00	6/3/2020 0:00		(100) Infinite Lithium Corp	0	HANSON LAKE AREA,KEEMLE LAK	1
522449	Active	6/3/2018 0:00	6/3/2020 0:00		(100) Infinite Lithium Corp	0	HANSON LAKE AREA	1
522450	Active	6/3/2018 0:00	6/3/2020 0:00		(100) Infinite Lithium Corp	0	HANSON LAKE AREA	1
522451	Active	6/3/2018 0:00	6/3/2020 0:00		(100) Infinite Lithium Corp	0	HANSON LAKE AREA	1
522452	Active	6/3/2018 0:00	6/3/2020 0:00		(100) Infinite Lithium Corp	0	HANSON LAKE AREA,KEEMLE LAK	1
522453	Active	6/3/2018 0:00	6/3/2020 0:00		(100) Infinite Lithium Corp	0	HANSON LAKE AREA	1
522454	Active	6/3/2018 0:00	6/3/2020 0:00		(100) Infinite Lithium Corp	0	HANSON LAKE AREA	1
522455	Active	6/3/2018 0:00	6/3/2020 0:00		(100) Infinite Lithium Corp	0	HANSON LAKE AREA	1
522456	Active	6/3/2018 0:00	6/3/2020 0:00		(100) Infinite Lithium Corp	0	HANSON LAKE AREA,KEEMLE LAK	1
522457	Active	6/3/2018 0:00	6/3/2020 0:00		(100) Infinite Lithium Corp	0	HANSON LAKE AREA	1
522458	Active	6/3/2018 0:00	6/3/2020 0:00		(100) Infinite Lithium Corp	0	HANSON LAKE AREA	1
522459	Active	6/3/2018 0:00	6/3/2020 0:00		(100) Infinite Lithium Corp	0	HANSON LAKE AREA	1
522460	Active	6/3/2018 0:00	6/3/2020 0:00		(100) Infinite Lithium Corp	0	HANSON LAKE AREA	1
522461	Active	6/3/2018 0:00	6/3/2020 0:00		(100) Infinite Lithium Corp	0	HANSON LAKE AREA	1
522462	Active	6/3/2018 0:00	6/3/2020 0:00		(100) Infinite Lithium Corp	0	HANSON LAKE AREA	1
522443	Active	6/3/2018 0:00	6/3/2020 0:00		(100) Infinite Lithium Corp	0	BARBARA LAKE AREA	24
531555	Active	9/18/2018 0:00	9/18/2020 0:00		(100) Infinite Lithium Corp	0	HANSON LAKE AREA	1
535629	Active	12/2/2018 0:00	12/2/2020 0:00		(100) Infinite Lithium Corp	0	BARBARA LAKE AREA	25
535630	Active	12/2/2018 0:00	12/2/2020 0:00		(100) Infinite Lithium Corp	0	BARBARA LAKE AREA	23
535603	Active	12/2/2018 0:00	12/2/2020 0:00		(100) Infinite Lithium Corp	0	BARBARA LAKE AREA	1
535604	Active	12/2/2018 0:00	12/2/2020 0:00		(100) Infinite Lithium Corp	0	BARBARA LAKE AREA	1
535605	Active	12/2/2018 0:00	12/2/2020 0:00		(100) Infinite Lithium Corp	0	BARBARA LAKE AREA	1
535606	Active	12/2/2018 0:00	12/2/2020 0:00		(100) Infinite Lithium Corp	0	BARBARA LAKE AREA	1
535607	Active	12/2/2018 0:00	12/2/2020 0:00		(100) Infinite Lithium Corp	0	BARBARA LAKE AREA	1
535608	Active	12/2/2018 0:00	12/2/2020 0:00		(100) Infinite Lithium Corp	0	BARBARA LAKE AREA	1
535609	Active	12/2/2018 0:00	12/2/2020 0:00		(100) Infinite Lithium Corp	0	BARBARA LAKE AREA	1
535610	Active	12/2/2018 0:00	12/2/2020 0:00		(100) Infinite Lithium Corp	0	BARBARA LAKE AREA	1
535611	Active	12/2/2018 0:00	12/2/2020 0:00		(100) Infinite Lithium Corp	0	BARBARA LAKE AREA	1
535612	Active	12/2/2018 0:00	12/2/2020 0:00		(100) Infinite Lithium Corp	0	BARBARA LAKE AREA	1
535613	Active	12/2/2018 0:00	12/2/2020 0:00		(100) Infinite Lithium Corp	0	BARBARA LAKE AREA	1
535614	Active	12/2/2018 0:00	12/2/2020 0:00		(100) Infinite Lithium Corp	0	BARBARA LAKE AREA	1
535615	Active	12/2/2018 0:00	12/2/2020 0:00		(100) Infinite Lithium Corp	0	BARBARA LAKE AREA	1
535616	Active	12/2/2018 0:00	12/2/2020 0:00		(100) Infinite Lithium Corp	0	BARBARA LAKE AREA	1
535617	Active	12/2/2018 0:00	12/2/2020 0:00		(100) Infinite Lithium Corp	0	BARBARA LAKE AREA	1
535618	Active	12/2/2018 0:00	12/2/2020 0:00		(100) Infinite Lithium Corp	0	BARBARA LAKE AREA	1
535619	Active	12/2/2018 0:00	12/2/2020 0:00		(100) Infinite Lithium Corp	0	BARBARA LAKE AREA	1
535620	Active	12/2/2018 0:00	12/2/2020 0:00		(100) Infinite Lithium Corp	0	BARBARA LAKE AREA	1



TENURE_NUM	TENURE_STATUS	ISSUE_DATE	ANNIVERSAR	EXTENSION	HOLDER	Legacy_Cla	Township__	Number of Cells
535621	Active	12/2/2018 0:00	12/2/2020 0:00		(100) Infinite Lithium Corp	0	BARBARA LAKE AREA	1
535622	Active	12/2/2018 0:00	12/2/2020 0:00		(100) Infinite Lithium Corp	0	BARBARA LAKE AREA	1
535623	Active	12/2/2018 0:00	12/2/2020 0:00		(100) Infinite Lithium Corp	0	BARBARA LAKE AREA	1
535624	Active	12/2/2018 0:00	12/2/2020 0:00		(100) Infinite Lithium Corp	0	BARBARA LAKE AREA	1
535625	Active	12/2/2018 0:00	12/2/2020 0:00		(100) Infinite Lithium Corp	0	BARBARA LAKE AREA	1
535626	Active	12/2/2018 0:00	12/2/2020 0:00		(100) Infinite Lithium Corp	0	BARBARA LAKE AREA	1
536783	Active	12/15/2018 0:00	12/15/2020 0:00		(100) Infinite Lithium Corp	0	LAKE JEAN AREA	20
536780	Active	12/15/2018 0:00	12/15/2020 0:00		(100) Infinite Lithium Corp	0	BARBARA LAKE AREA	1
536781	Active	12/15/2018 0:00	12/15/2020 0:00		(100) Infinite Lithium Corp	0	BARBARA LAKE AREA	1
536782	Active	12/15/2018 0:00	12/15/2020 0:00		(100) Infinite Lithium Corp	0	BARBARA LAKE AREA	1
536787	Active	12/15/2018 0:00	12/15/2020 0:00		(100) Infinite Lithium Corp	0	HANSON LAKE AREA	1
536786	Active	12/15/2018 0:00	12/15/2020 0:00		(100) Infinite Lithium Corp	0	LAKE JEAN AREA	1
107842	Active	4/10/2018 0:00	7/17/2023 0:00		(100) Infinite Lithium Corp	4257869	BARBARA LAKE AREA	0.5
124776	Active	4/10/2018 0:00	7/17/2023 0:00		(100) Infinite Lithium Corp	4257869	BARBARA LAKE AREA	0.5
124777	Active	4/10/2018 0:00	7/17/2023 0:00		(100) Infinite Lithium Corp	4257869	BARBARA LAKE AREA	0.5
136783	Active	4/10/2018 0:00	7/17/2023 0:00		(100) Infinite Lithium Corp	4257869	BARBARA LAKE AREA	0.5
142300	Active	4/10/2018 0:00	7/17/2023 0:00		(100) Infinite Lithium Corp	4257869	BARBARA LAKE AREA	0.5
142301	Active	4/10/2018 0:00	7/17/2023 0:00		(100) Infinite Lithium Corp	4257869	BARBARA LAKE AREA	0.5
142302	Active	4/10/2018 0:00	7/17/2023 0:00		(100) Infinite Lithium Corp	4257869	BARBARA LAKE AREA	0.5
188774	Active	4/10/2018 0:00	7/17/2023 0:00		(100) Infinite Lithium Corp	4257869	BARBARA LAKE AREA	0.5
200956	Active	4/10/2018 0:00	7/17/2023 0:00		(100) Infinite Lithium Corp	4257869	BARBARA LAKE AREA	0.5
217480	Active	4/10/2018 0:00	7/17/2023 0:00		(100) Infinite Lithium Corp	4257869	BARBARA LAKE AREA	0.5
217481	Active	4/10/2018 0:00	7/17/2023 0:00		(100) Infinite Lithium Corp	4257869	BARBARA LAKE AREA	0.5
236040	Active	4/10/2018 0:00	7/17/2023 0:00		(100) Infinite Lithium Corp	4257869	BARBARA LAKE AREA	0.5
236041	Active	4/10/2018 0:00	7/17/2023 0:00		(100) Infinite Lithium Corp	4257869	BARBARA LAKE AREA	0.5
236042	Active	4/10/2018 0:00	7/17/2023 0:00		(100) Infinite Lithium Corp	4257869	BARBARA LAKE AREA	0.5
255543	Active	4/10/2018 0:00	7/17/2023 0:00		(100) Infinite Lithium Corp	4257869	BARBARA LAKE AREA	0.5
292125	Active	4/10/2018 0:00	7/17/2023 0:00		(100) Infinite Lithium Corp	4257869	BARBARA LAKE AREA	0.5
292126	Active	4/10/2018 0:00	7/17/2023 0:00		(100) Infinite Lithium Corp	4257869	BARBARA LAKE AREA	0.5
304761	Active	4/10/2018 0:00	7/17/2023 0:00		(100) Infinite Lithium Corp	4257869	BARBARA LAKE AREA	0.5
304762	Active	4/10/2018 0:00	7/17/2023 0:00		(100) Infinite Lithium Corp	4257869	BARBARA LAKE AREA	0.5
311532	Active	4/10/2018 0:00	7/17/2023 0:00		(100) Infinite Lithium Corp	4257869	BARBARA LAKE AREA	0.5
343010	Active	4/10/2018 0:00	7/17/2023 0:00		(100) Infinite Lithium Corp	4257869	BARBARA LAKE AREA	0.5
200957	Active	4/10/2018 0:00	11/5/2024 0:00		(100) Infinite Lithium Corp	4257869	BARBARA LAKE AREA	1
113822	Active	4/10/2018 0:00	6/9/2025 0:00		(100) Infinite Lithium Corp	4245840	BARBARA LAKE AREA	0.5
213194	Active	4/10/2018 0:00	11/5/2025 0:00		(100) Infinite Lithium Corp	4281948	BARBARA LAKE AREA	0.5
311533	Active	4/10/2018 0:00	11/5/2025 0:00		(100) Infinite Lithium Corp	4257869	BARBARA LAKE AREA	0.5
343011	Active	4/10/2018 0:00	11/5/2025 0:00		(100) Infinite Lithium Corp	4257869	BARBARA LAKE AREA	0.5
151543	Active	4/10/2018 0:00	6/9/2026 0:00		(100) Infinite Lithium Corp	4245840	BARBARA LAKE AREA	0.5
172782	Active	4/10/2018 0:00	6/9/2026 0:00		(100) Infinite Lithium Corp	4245837	BARBARA LAKE AREA	0.5
202344	Active	4/10/2018 0:00	6/9/2026 0:00		(100) Infinite Lithium Corp	4245837	BARBARA LAKE AREA	0.5
227396	Active	4/10/2018 0:00	6/9/2026 0:00		(100) Infinite Lithium Corp	4245837	BARBARA LAKE AREA	0.5
227397	Active	4/10/2018 0:00	6/9/2026 0:00		(100) Infinite Lithium Corp	4245837	BARBARA LAKE AREA	0.5
246865	Active	4/10/2018 0:00	6/9/2026 0:00		(100) Infinite Lithium Corp	4245837	BARBARA LAKE AREA	0.5
312951	Active	4/10/2018 0:00	6/9/2026 0:00		(100) Infinite Lithium Corp	4245837	BARBARA LAKE AREA	0.5

**APPENDIX II SUMMARY OF EXPENDITURES**

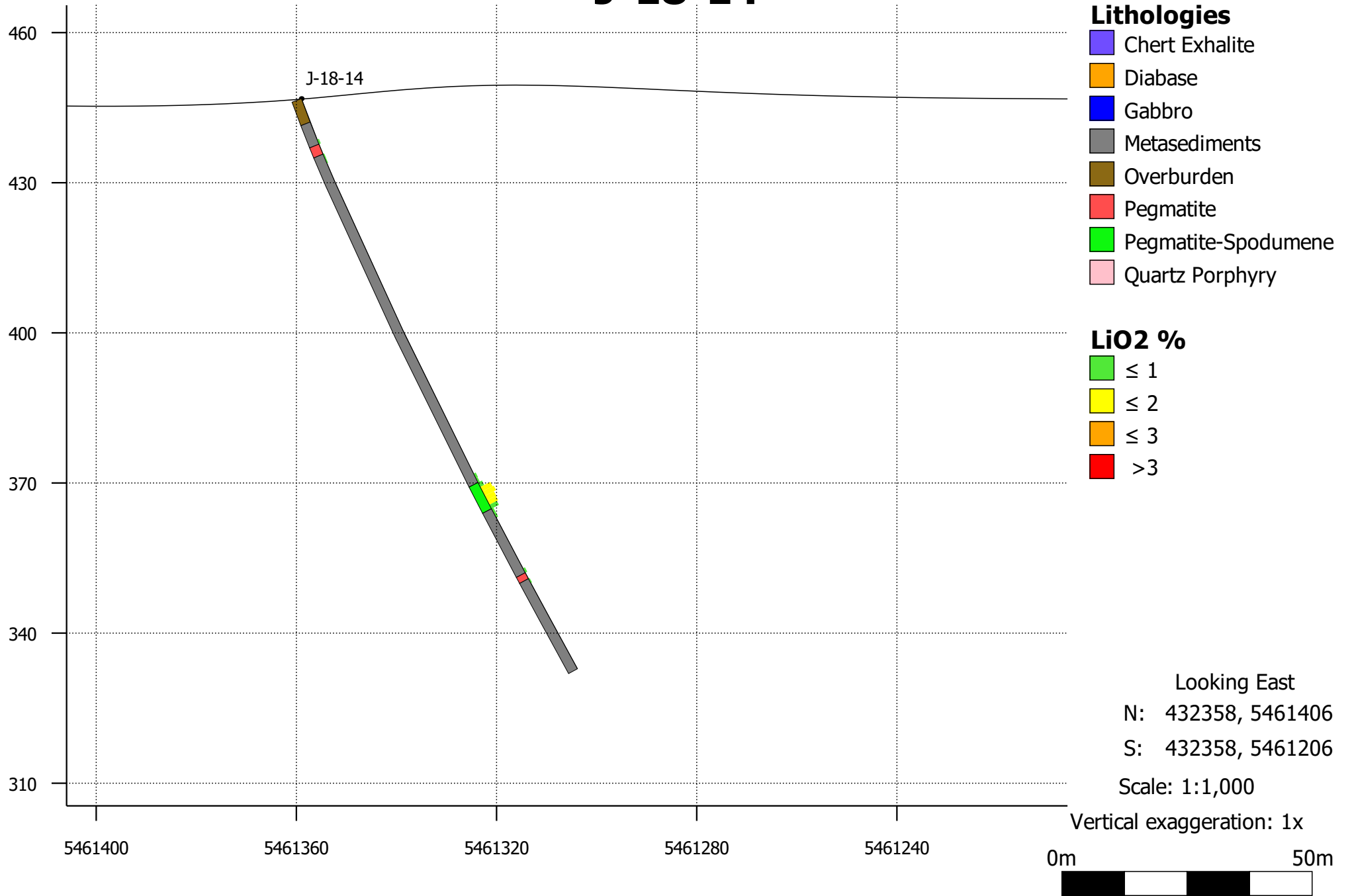


**APPENDIX III DRILL CROSS-SECTIONS**

N

# J-18-14

S

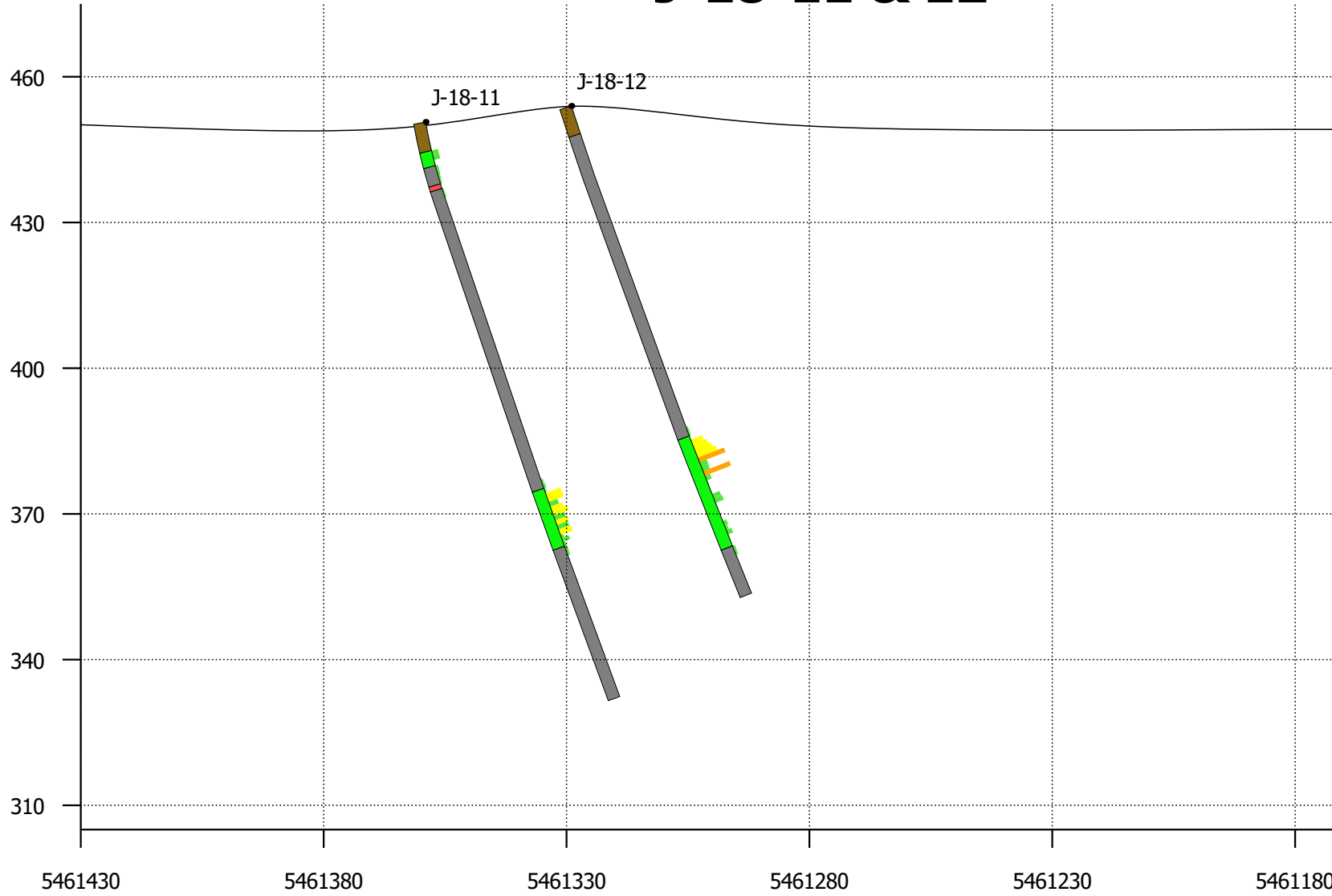




N

S

# J-18-11 & 12



Looking East

N: 432394, 5461430

S: 432394, 5461170

Scale: 1:1,250

Vertical exaggration: 1x



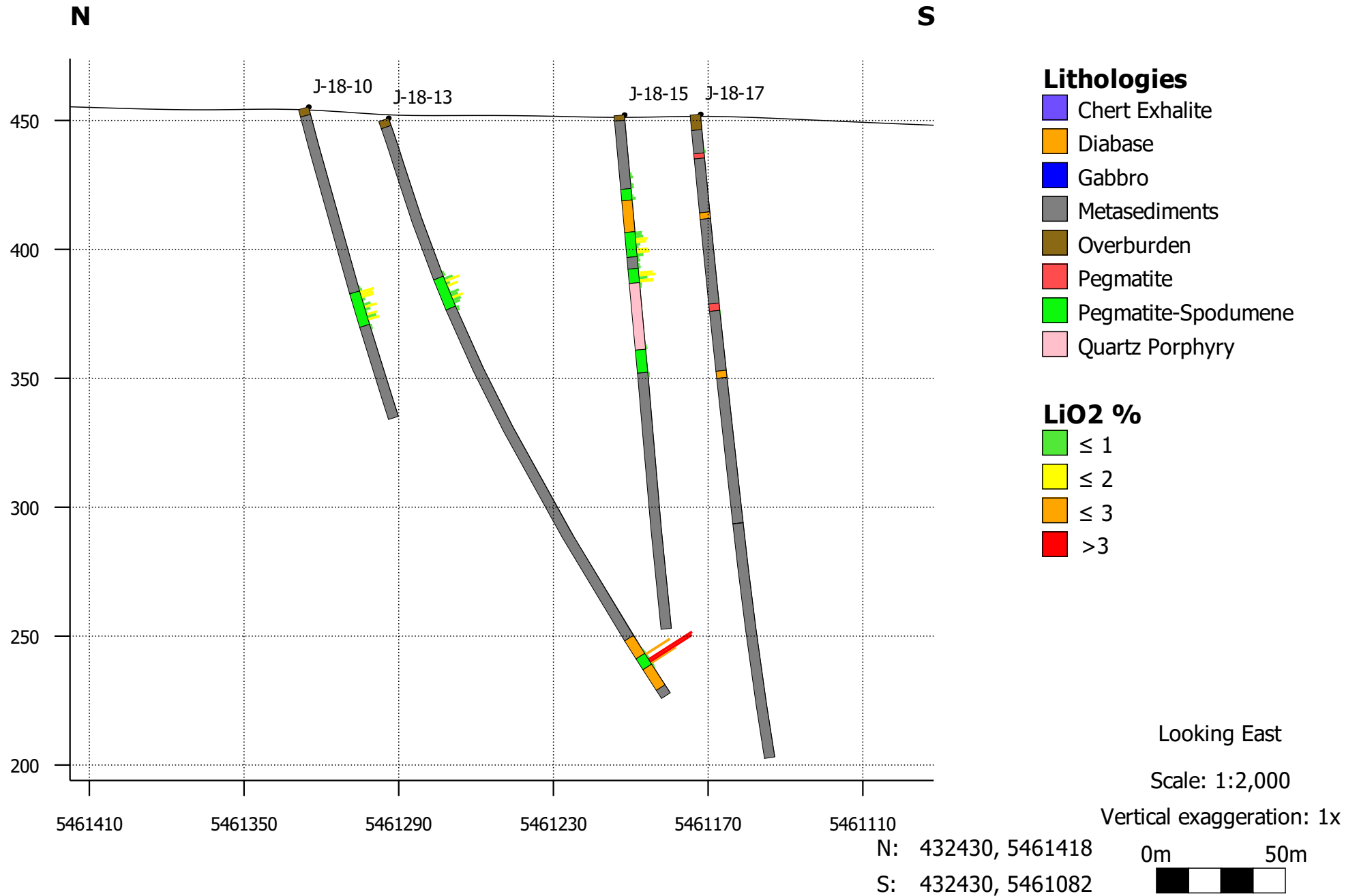
## Lithologies

- Chert Exhalite
- Metasediments
- Pegmatite-Spodumene
- Diabase
- Overburden
- Quartz Porphyry
- Gabbro
- Pegmatite

## LiO2 %

- ≤ 1
- ≤ 2
- ≤ 3
- > 3

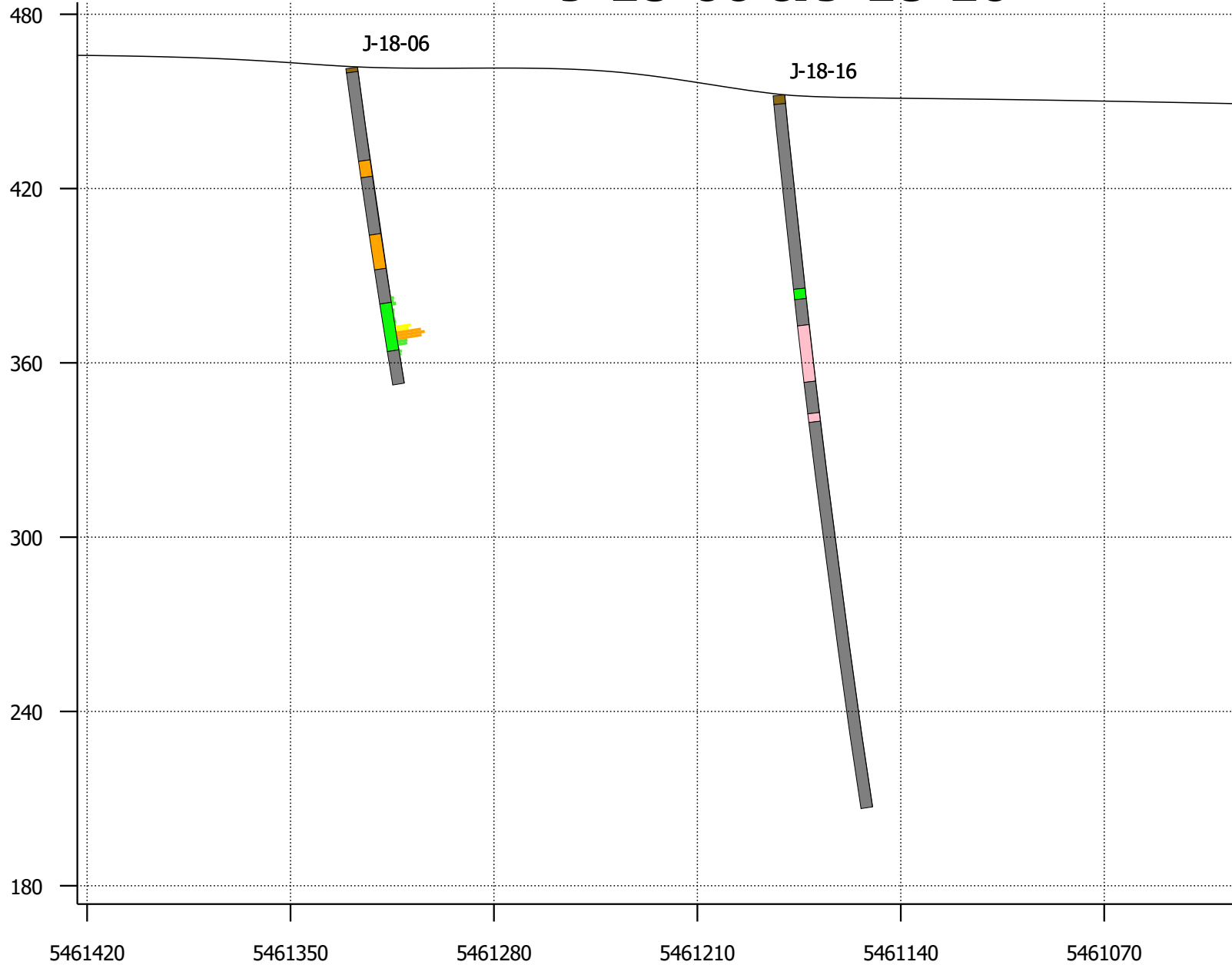
# J-18-10,13,15,17



N

S

# J-18-06 & J-18-16



## Lithologies

- Chert Exhalite
- Diabase
- Gabbro
- Metasediments
- Overburden
- Pegmatite
- Pegmatite-Spodumene
- Quartz Porphyry

## LiO2 %

- ≤ 1
- ≤ 2
- ≤ 3
- > 3

Looking East

N: 432505, 5461423

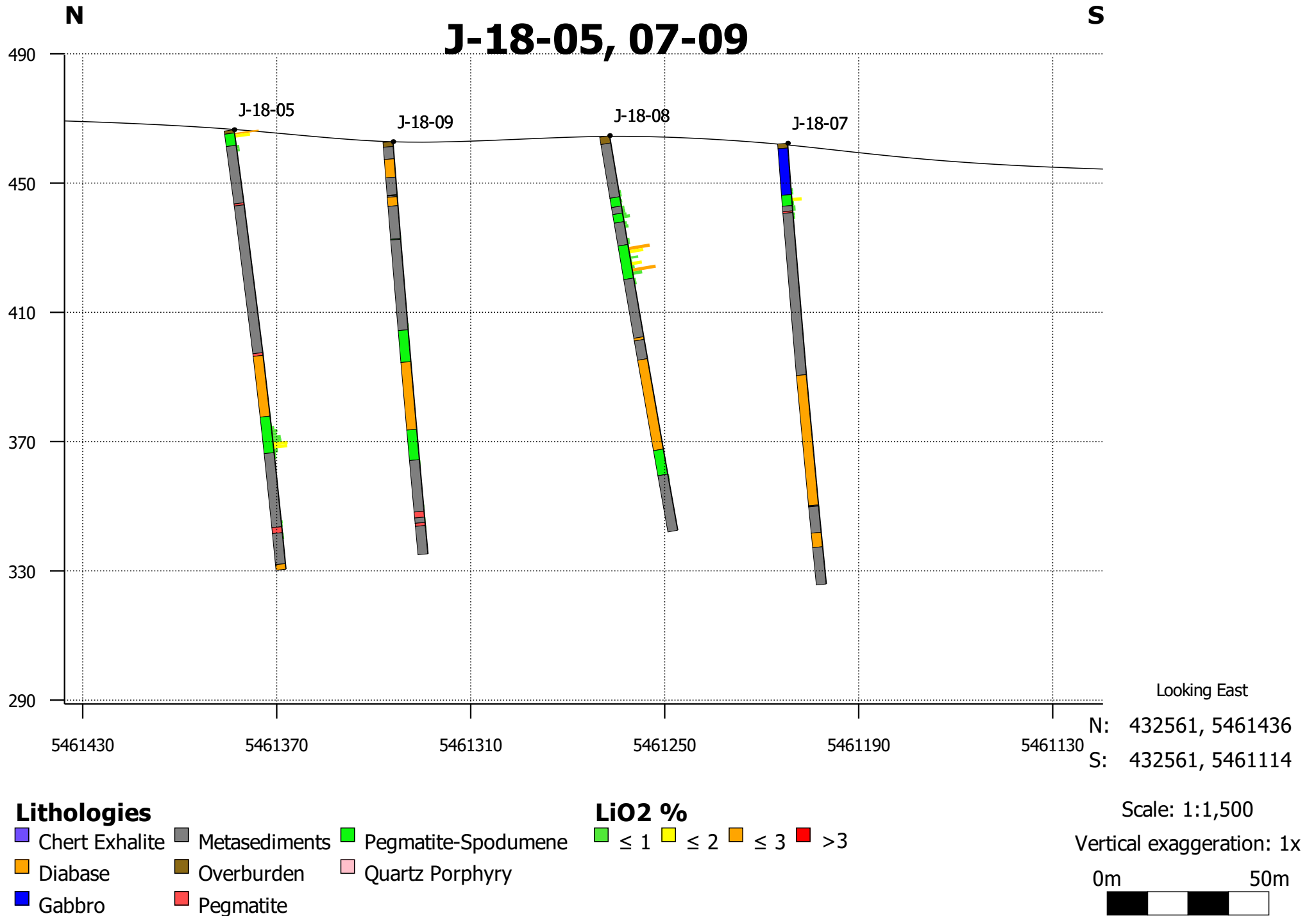
S: 432505, 5461022

Scale: 1:2,000

Vertical exaggeration: 1x



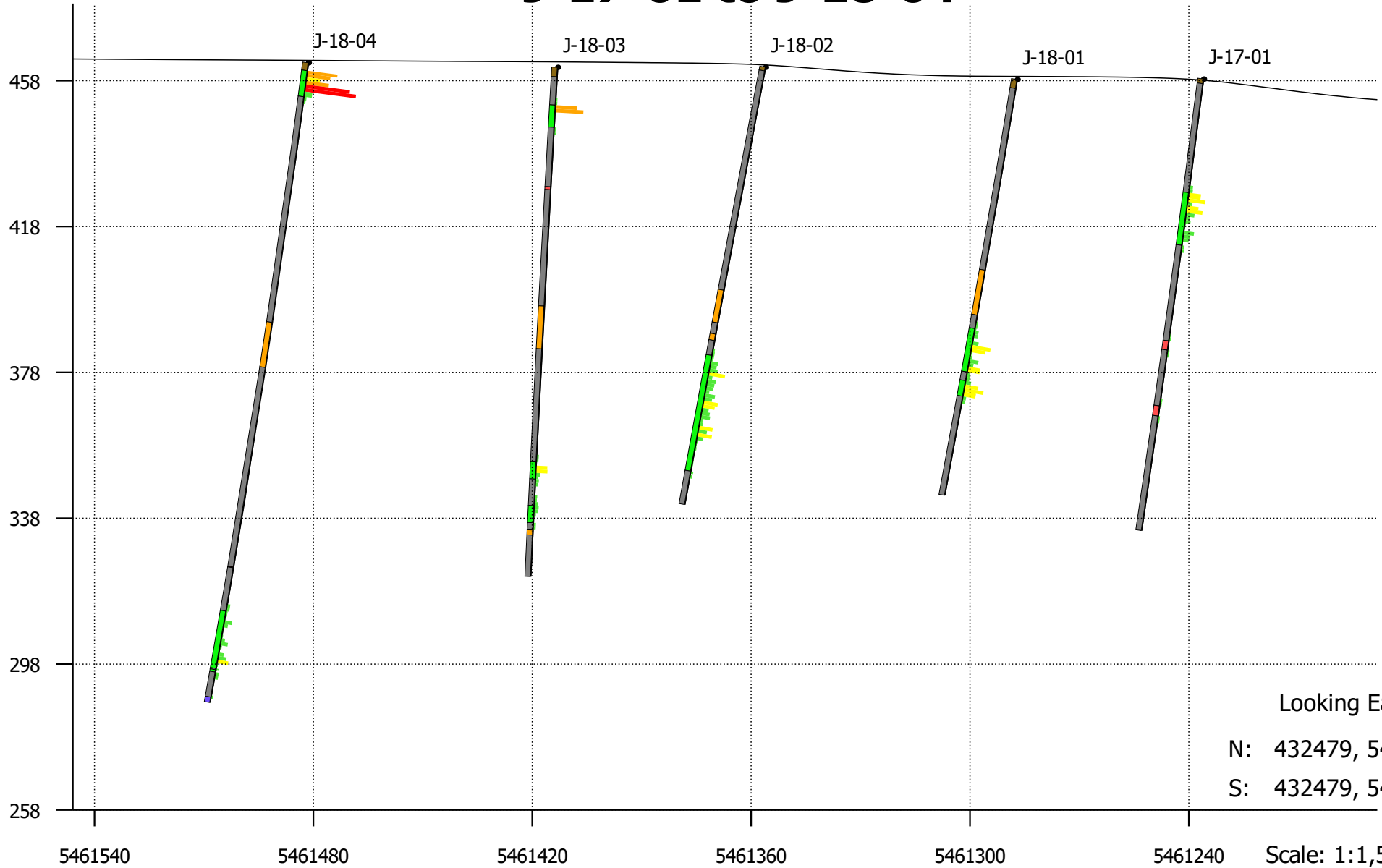
# J-18-05, 07-09



N

S

# J-17-01 to J-18-04



### Lithologies

- Chert Exhalite
- Diabase
- Gabbro
- Metasediments
- Overburden
- Pegmatite
- Pegmatite-Spodumene
- Quartz Porphyry

### LiO2%

- ≤ 1
- ≤ 2
- ≤ 3
- > 3





**APPENDIX IV – ASSAYS AND ANALYSIS**

**Assessment Report on Diamond Drill Program**

**On the Jackpot Property,**

**Thunder Bay Mining Division, Barbara Lake Township**

Barbara Lake Area (G-0006), Nipigon MNR District, Thunder Bay Division

NTS Sheet 42E05SW

UTM 432551 E, 5461493 N, Zone 16, NAD83

Longitude 87°55'40" W Latitude 49°18'9" N

For:

**Infinite Ore Corp. (formerly Infinite Lithium Corp.)**

Client number # 191078

Prepared By:

Robert Weicker

Suite 2801, 1166 Melville St.,

Vancouver, B.C. V6E 4P5

April 8, 2020



**Date Submitted:** 27-Dec-17  
**Invoice No.:** A17-14654  
**Invoice Date:** 31-Jan-18  
**Your Reference:**

**Caracle Creek International**  
**1545 Maley Drive, Suite 2018**  
**Sudbury ON P3A 4R7**  
**Canada**

**ATTN: Scott Jobin-Bevans**

## 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      A17-14654

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 Esemé". The signature is written in a cursive, somewhat stylized font.

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](mailto:Ancaster@actlabs.com) ACTLABS GROUP WEBSITE [www.actlabs.com](http://www.actlabs.com)

Results

Activation Laboratories Ltd.

Report: A17-14654

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
588001	58.31	16.39	9.44	0.138	3.63	2.41	2.77	2.96	0.697	0.16	1.82	98.73	23	3	156	190	29	90	20	70	21	2	< 5
588002	56.80	17.82	10.27	0.149	3.86	2.10	2.72	3.08	0.749	0.12	2.30	99.97	24	6	161	190	30	90	40	80	22	3	< 5
588003	75.79	15.67	0.62	0.053	0.06	0.24	5.36	0.88	0.006	0.20	0.57	99.44	< 1	152	< 5	< 20	< 1	< 20	< 10	< 30	30	4	< 5
588004	74.19	16.92	1.00	0.054	0.08	0.28	3.47	3.44	0.005	0.20	0.45	100.1	< 1	145	6	20	< 1	< 20	< 10	50	30	4	< 5
588005	76.08	13.82	0.47	0.028	0.14	0.33	4.79	2.83	0.003	0.23	0.57	99.27	< 1	116	< 5	< 20	< 1	< 20	< 10	< 30	21	4	< 5
588006	74.52	14.95	0.92	0.058	0.16	0.31	3.32	4.30	0.003	0.29	0.44	99.28	< 1	126	< 5	20	< 1	< 20	20	70	25	4	< 5
588007	76.27	15.53	0.66	0.045	0.10	0.34	3.88	2.12	0.006	0.22	0.56	99.74	< 1	136	14	30	< 1	< 20	< 10	< 30	30	4	< 5
588008	72.12	16.41	0.99	0.043	0.19	0.43	4.57	3.15	0.003	0.25	0.78	98.93	< 1	116	< 5	< 20	< 1	< 20	< 10	< 30	29	4	< 5
588009	71.23	16.04	0.65	0.035	0.14	0.53	4.09	4.82	0.011	0.25	0.77	98.56	< 1	126	< 5	20	< 1	< 20	< 10	< 30	25	3	< 5
588010	97.29	0.65	1.21	0.012	0.04	0.04	0.03	0.08	0.060	< 0.01	0.22	99.63	< 1	< 1	< 5	< 20	< 1	< 20	< 10	< 30	1	1	< 5
588011	71.59	16.09	1.01	0.058	0.14	0.44	3.14	5.59	0.003	0.40	0.87	99.34	< 1	91	< 5	30	< 1	< 20	< 10	< 30	31	4	< 5
588012	74.19	13.86	0.94	0.111	0.09	0.69	5.10	2.26	0.003	0.80	0.59	98.63	< 1	153	< 5	30	< 1	< 20	< 10	< 30	26	3	< 5
588013	74.54	14.71	0.62	0.053	0.08	0.71	5.04	2.55	0.004	0.64	0.94	99.90	< 1	217	< 5	20	< 1	< 20	< 10	< 30	30	4	< 5
588014	70.94	16.63	0.86	0.038	0.21	0.22	2.76	6.11	0.003	0.27	0.74	98.79	< 1	59	< 5	20	< 1	< 20	< 10	< 30	28	4	< 5
588015	70.19	17.35	0.72	0.032	0.06	0.22	3.86	6.17	0.002	0.32	0.47	99.40	< 1	50	< 5	< 20	< 1	< 20	< 10	< 30	24	4	< 5
588016	72.43	16.33	0.40	0.042	0.05	0.30	5.34	4.87	0.002	0.34	0.49	100.6	< 1	72	< 5	< 20	< 1	< 20	< 10	< 30	21	4	< 5
588017	74.87	15.28	0.87	0.029	0.07	0.28	4.34	3.80	0.007	0.28	0.57	100.4	< 1	250	< 5	30	< 1	< 20	< 10	< 30	25	4	< 5
588018	72.92	16.25	0.83	0.027	0.19	0.34	5.13	3.45	0.012	0.27	0.98	100.4	< 1	116	7	30	< 1	< 20	< 10	< 30	29	4	< 5
588019	59.63	16.28	8.43	0.131	3.17	2.24	2.03	2.82	0.587	0.81	2.50	98.63	17	19	110	150	19	60	20	50	23	2	< 5
588020	73.77	13.69	0.68	0.597	0.07	0.75	0.59	6.22	0.050	0.02	2.18	98.60	12	5	< 5	120	< 1	< 20	170	480	29	7	49
588021	62.22	15.30	8.91	0.123	3.30	2.24	2.33	2.61	0.625	0.16	1.98	99.79	19	2	134	170	24	70	40	60	19	2	< 5
588022	61.25	15.33	8.81	0.119	3.55	3.36	2.91	2.28	0.709	0.21	1.87	100.4	19	3	147	180	26	80	90	90	19	2	< 5
588023	63.39	14.91	7.06	0.202	3.01	2.82	3.27	2.13	0.583	0.29	2.49	100.2	15	9	116	180	20	70	50	50	25	2	< 5
588024	70.07	15.86	0.66	0.013	0.06	0.43	3.74	6.81	0.006	0.27	0.66	98.59	< 1	188	< 5	< 20	1	< 20	< 10	< 30	22	3	< 5
588025	71.92	16.19	0.89	0.024	0.15	0.55	5.51	3.68	0.022	0.40	0.75	100.1	< 1	187	8	20	1	< 20	< 10	< 30	28	3	< 5
588026	63.47	14.58	7.26	0.204	3.61	2.76	2.54	1.97	0.590	0.38	2.63	100.0	15	8	118	180	26	70	50	60	21	2	< 5
588027	65.41	14.40	6.38	0.162	2.90	2.75	2.92	2.31	0.569	0.17	1.72	99.69	13	3	101	170	21	60	90	170	17	2	< 5
588028	67.21	12.97	5.49	0.100	2.76	3.68	2.49	2.13	0.503	1.09	1.35	99.78	12	17	87	170	18	60	40	110	17	3	< 5
588029	65.31	13.74	6.81	0.176	3.37	2.94	2.71	1.69	0.559	0.75	2.44	100.5	14	25	103	210	18	60	< 10	60	23	3	< 5
588030	97.72	0.52	1.14	0.012	0.03	0.19	0.03	0.06	0.028	< 0.01	0.31	100.1	< 1	< 1	< 5	< 20	< 1	< 20	< 10	< 30	1	< 1	< 5
588031	74.59	14.40	0.83	0.026	0.11	0.61	5.26	2.87	0.021	0.45	0.70	99.87	< 1	174	5	30	< 1	< 20	< 10	< 30	26	4	< 5
588032	74.19	15.57	0.56	0.019	0.06	0.44	4.89	3.35	0.010	0.25	0.90	100.2	< 1	114	< 5	< 20	< 1	< 20	< 10	< 30	29	3	< 5
588033	64.35	14.51	7.19	0.156	3.23	2.25	3.15	2.15	0.566	0.25	1.98	99.79	14	9	107	180	21	70	80	240	18	2	< 5
588034	61.71	15.59	8.08	0.130	3.73	2.61	3.10	2.47	0.620	0.17	1.80	100.0	16	2	119	180	24	80	70	80	19	1	< 5

## Results

## Activation Laboratories Ltd.

Report: A17-14654

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-Na2O2	FUS-Na2O2
588001	301	235	16	115	4	< 2	0.6	< 0.2	10	< 0.5	82.1	540	0.6	2.4	0.5	< 1	1.9	12	7.2	1.9	0.14	0.30
588002	338	241	13	123	5	2	< 0.5	< 0.2	19	< 0.5	82.7	552	0.5	2.7	0.6	< 1	2.4	11	7.7	2.4	0.15	0.33
588003	250	18	< 2	5	36	< 2	< 0.5	< 0.2	77	< 0.5	19.0	18	2.7	0.5	18.7	< 1	1.4	8	0.4	3.8	0.53	1.14
588004	953	50	< 2	5	28	< 2	< 0.5	< 0.2	79	< 0.5	55.2	59	4.8	0.8	17.3	< 1	7.0	16	0.4	3.6	0.76	1.63
588005	764	36	< 2	4	27	< 2	< 0.5	< 0.2	36	< 0.5	46.1	96	2.4	0.9	17.9	< 1	5.9	9	0.5	2.3	0.21	0.44
588006	1250	43	< 2	5	46	< 2	< 0.5	< 0.2	56	< 0.5	78.4	50	1.2	0.5	25.1	< 1	9.9	17	0.4	6.3	0.50	1.07
588007	627	34	< 2	9	39	< 2	< 0.5	< 0.2	79	< 0.5	40.7	46	6.0	1.0	24.0	< 1	5.3	11	0.8	4.7	0.69	1.49
588008	771	57	< 2	< 4	11	< 2	< 0.5	< 0.2	51	< 0.5	42.3	90	5.5	0.3	12.0	< 1	5.5	9	0.4	2.8	0.36	0.78
588009	1240	62	< 2	< 4	5	< 2	< 0.5	< 0.2	23	< 0.5	56.5	166	9.1	< 0.2	9.8	< 1	8.5	13	0.4	2.7	0.19	0.41
588010	3	14	2	51	< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	191	< 0.4	1.1	< 0.1	< 1	0.6	7	0.6	0.3	< 0.01	< 0.01
588011	1560	51	< 2	6	7	< 2	< 0.5	< 0.2	45	< 0.5	70.7	101	9.3	0.5	6.2	< 1	11.0	22	0.9	12.7	0.23	0.50
588012	592	32	4	12	8	< 2	< 0.5	< 0.2	30	< 0.5	28.0	56	2.2	1.0	8.1	< 1	4.4	10	0.8	11.6	0.04	0.08
588013	752	29	4	14	49	< 2	< 0.5	< 0.2	150	< 0.5	36.3	20	2.5	1.2	31.7	2	5.0	9	0.7	8.8	0.01	0.03
588014	1720	44	< 2	5	31	< 2	< 0.5	< 0.2	55	< 0.5	102	57	0.5	1.0	71.7	< 1	13.0	16	1.0	5.2	0.44	0.96
588015	1720	39	< 2	5	41	< 2	< 0.5	< 0.2	34	< 0.5	93.0	29	0.6	0.6	40.3	< 1	13.4	18	0.4	4.6	0.30	0.65
588016	1310	35	< 2	5	36	< 2	< 0.5	< 0.2	32	< 0.5	74.6	23	1.5	0.5	44.2	< 1	11.3	15	0.5	5.0	0.12	0.25
588017	995	27	< 2	4	24	< 2	< 0.5	< 0.2	49	< 0.5	54.9	25	0.5	0.5	18.9	< 1	8.2	11	0.4	2.7	0.26	0.55
588018	886	28	< 2	13	52	< 2	< 0.5	< 0.2	83	< 0.5	45.4	44	1.5	1.7	58.0	< 1	6.3	11	0.7	5.4	0.01	0.03
588019	655	169	13	104	10	< 2	< 0.5	< 0.2	54	< 0.5	145	330	2.9	2.2	20.4	30	4.5	9	6.4	3.1	0.11	0.24
588020	2140	23	16	80	71	5	1.6	0.3	14	15.6	62.6	88	79.1	5.7	10.5	103	13.6	453	24.6	45.0	0.27	0.58
588021	215	203	14	140	6	< 2	0.6	< 0.2	4	< 0.5	110	400	0.5	3.5	0.6	< 1	3.0	10	7.0	1.9	0.12	0.27
588022	112	310	18	141	6	< 2	0.6	< 0.2	3	< 0.5	21.6	614	< 0.4	3.2	0.7	1	1.0	24	6.7	1.9	0.06	0.13
588023	178	262	14	149	8	< 2	0.5	< 0.2	31	< 0.5	21.3	526	1.4	3.3	1.5	55	1.1	19	7.8	2.4	0.07	0.15
588024	1360	46	< 2	< 4	14	< 2	< 0.5	< 0.2	29	< 0.5	39.5	117	0.9	0.3	14.1	1	8.7	16	0.4	3.0	< 0.01	< 0.01
588025	811	52	3	9	19	< 2	< 0.5	< 0.2	51	< 0.5	25.1	40	0.4	0.8	14.0	< 1	5.6	11	1.0	2.3	< 0.01	0.01
588026	174	264	14	148	7	< 2	< 0.5	< 0.2	18	< 0.5	25.5	509	2.8	3.0	1.5	17	1.5	9	7.3	2.6	0.08	0.17
588027	190	343	14	145	5	< 2	0.5	< 0.2	3	< 0.5	41.5	603	0.6	3.0	0.5	< 1	1.4	39	7.4	2.0	0.07	0.15
588028	393	309	11	132	8	< 2	< 0.5	< 0.2	35	< 0.5	145	622	< 0.4	2.9	3.1	18	2.6	22	6.9	2.1	0.07	0.16
588029	323	321	13	160	14	< 2	< 0.5	< 0.2	88	< 0.5	67.7	355	< 0.4	3.4	5.7	146	2.6	12	7.4	2.2	0.07	0.15
588030	2	15	< 2	30	2	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	123	< 0.4	0.7	0.8	< 1	0.2	< 5	0.4	0.2	< 0.01	< 0.01
588031	696	41	< 2	11	34	< 2	< 0.5	< 0.2	65	< 0.5	30.1	42	< 0.4	0.8	33.9	1	4.2	12	0.9	3.6	< 0.01	0.02
588032	813	35	< 2	6	26	< 2	< 0.5	< 0.2	86	< 0.5	30.9	44	< 0.4	0.6	20.4	10	4.8	11	0.6	2.2	< 0.01	0.02
588033	303	342	15	146	7	< 2	< 0.5	< 0.2	21	< 0.5	68.4	588	< 0.4	3.3	1.2	< 1	2.5	36	7.6	2.1	0.07	0.15
588034	143	428	14	157	6	< 2	0.6	< 0.2	1	< 0.5	42.5	780	< 0.4	3.3	0.5	< 1	1.0	16	8.2	2.3	0.07	0.15



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
NIST 694 Meas	10.91	1.77	0.74	0.010	0.35	42.54	0.87	0.53	0.110	30.19					1571								
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	46.94	17.82	9.73	0.150	10.49	11.47	1.89	0.22	0.480	0.07			31		147	270	54	240	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	57	247	100				
LKSD-3 Meas																90	28	50					27
LKSD-3 Cert																87.0	30.0	47.0					27.0
TDB-1 Meas																250			340	140			
TDB-1 Cert																251			323	155			
W-2a Meas	52.34	15.03	10.53	0.160	6.45	11.08	2.21	0.61	1.040	0.13			35	< 1	262	90	43		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		110	80.0	17.0		1.00
SY-4 Meas	50.00	19.96	6.28	0.110	0.52	8.09	6.91	1.64	0.290	0.13			< 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	48.28	15.20	11.50	0.170	9.82	13.62	1.82	0.02	0.970	0.01			43	< 1	320	370	50	170	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																							
NCS DC70009 (GBW07241) Meas																30			890	90	16	11	68
NCS DC70009 (GBW07241) Cert																30			960	100	16.5	11.2	69.9
OREAS 100a (Fusion) Meas																	20		170				
OREAS 100a (Fusion) Cert																	18.1		169				
OREAS 101a (Fusion) Meas																	53		440				
OREAS 101a (Fusion) Cert																	48.8		430				
OREAS 101b (Fusion) Meas																	45		430				
OREAS 101b (Fusion) Cert																	47		420				
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																							

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 DC86303 Meas																							
NCS DC86303 Cert																							
NCS DC86303 Meas																							
NCS DC86303 Cert																							
NCS DC86304 Meas																							
NCS DC86304 Cert																							
NCS DC86304 Meas																							
NCS DC86304 Cert																							
NCS DC86304 Meas																							
NCS DC86304 Cert																							
NCS DC86314 Meas																							
NCS DC86314 Cert																							
NCS DC86314 Meas																							
NCS DC86314 Cert																							
NCS DC86314 Meas																							
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																							



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																							
588010 Orig																							
588010 Dup																							
588015 Orig	70.62	17.35	0.73	0.032	0.06	0.23	3.89	6.21	0.002	0.30	0.47	99.90	< 1	49	6	30	< 1	< 20	< 10	< 30	24	4	< 5
588015 Dup	69.76	17.36	0.72	0.033	0.06	0.22	3.82	6.13	0.002	0.33	0.47	98.91	< 1	51	< 5	< 20	< 1	< 20	< 10	< 30	24	4	< 5
588018 Orig																							
588018 Dup																							
588032 Orig	74.29	15.32	0.57	0.019	0.06	0.44	4.92	3.37	0.010	0.25	0.90	100.1	< 1	113	< 5	< 20	< 1	< 20	< 10	< 30	29	3	< 5
588032 Dup	74.09	15.81	0.56	0.018	0.06	0.44	4.85	3.34	0.010	0.25	0.90	100.3	< 1	115	< 5	< 20	< 1	< 20	< 10	< 30	29	3	< 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	< 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	
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-Na2O2	FUS-Na2O2	
NIST 694 Meas																							
NIST 694 Cert																							
DNC-1 Meas		150	16	39						0.9		105											
DNC-1 Cert		144.0	18.0	38						0.96		118											
LKSD-3 Meas	80					< 2	2.6		2		2.2			4.9	0.7				10.8	4.5			
LKSD-3 Cert	78.0					2.00	2.70		3.00		2.30			4.80	0.700				11.4	4.60			
TDB-1 Meas																				2.5			
TDB-1 Cert																				2.7			
W-2a Meas	19	193	20	91	7	< 2						173	< 0.4	2.4		< 1	< 0.1	8	2.2	0.5			
W-2a Cert	21.0	190	24.0	94.0	7.90	0.600						182	0.0300	2.60		0.300	0.200	9.30	2.40	0.530			
SY-4 Meas		1189	114	540								340											
SY-4 Cert		1191	119	517								340											
CTA-AC-1 Meas														1.2	2.5					22.1	4.2		
CTA-AC-1 Cert														1.13	2.65					21.8	4.4		
BIR-1a Meas		109	15	15						0.6		7							5				
BIR-1a Cert		110	16	18						0.58		6							3				
NCS DC86312 Meas																				23.3			
NCS DC86312 Cert																				23.6			
NCS DC70009 (GBW07241) Meas	495						2.0	1.0	1630	3.4	37.1					2140	1.9			29.3			
NCS DC70009 (GBW07241) Cert	500						1.8	1.3	1700	3.1	41					2200	1.8			28.3			
OREAS 100a (Fusion) Meas						22														51.8	142		
OREAS 100a (Fusion) Cert						24.1														51.6	135		
OREAS 101a (Fusion) Meas						21														34.5	418		
OREAS 101a (Fusion) Cert						21.9														36.6	422		
OREAS 101b (Fusion) Meas						20														36.3	407		
OREAS 101b (Fusion) Cert						21														37.1	396		
JR-1 Meas	248				14	4		< 0.2	3	1.1	20.8		0.6	4.2	1.9		1.5	21	27.6	9.2			
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	0.45
NCS DC86303 Cert																						0.21	0.460
NCS DC86303																						0.21	0.45

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-Na2O2	FUS-Na2O2	
Meas																							
NCS DC86303 Cert																						0.21	0.460
NCS DC86303 Meas																						0.21	0.45
NCS DC86303 Cert																						0.21	0.460
NCS DC86304 Meas																						1.06	2.28
NCS DC86304 Cert																						1.06	2.29
NCS DC86304 Meas																						1.06	2.29
NCS DC86304 Cert																						1.06	2.29
NCS DC86304 Meas																						1.08	2.33
NCS DC86304 Cert																						1.06	2.29
NCS DC86314 Meas																						1.80	3.88
NCS DC86314 Cert																						1.81	3.89
NCS DC86314 Meas																						1.81	3.90
NCS DC86314 Cert																						1.81	3.89
NCS DC86314 Meas																						1.79	3.85
NCS DC86314 Cert																						1.81	3.89
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.20	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.01	
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-Na2O2	FUS-Na2O2
Lithium Tetraborate FX-LT 100 lot#220610B Meas																					8.09	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																					8	
588010 Orig																					< 0.01	< 0.01
588010 Dup																					< 0.01	< 0.01
588015 Orig	1750	40	< 2	5	41	< 2	< 0.5	< 0.2	34	< 0.5	93.5	29	0.6	0.6	38.8	< 1	12.8	18	0.4	4.5		
588015 Dup	1700	39	< 2	6	41	< 2	< 0.5	< 0.2	34	< 0.5	92.5	29	0.5	0.7	41.9	< 1	14.0	18	0.4	4.6		
588018 Orig																					0.01	0.03
588018 Dup																					0.01	0.03
588032 Orig	800	36	< 2	6	26	< 2	< 0.5	< 0.2	85	< 0.5	30.7	45	< 0.4	0.6	20.3	19	4.6	12	0.6	2.2	< 0.01	0.02
588032 Dup	825	35	3	6	26	< 2	< 0.5	< 0.2	87	< 0.5	31.0	44	< 0.4	0.5	20.5	1	5.0	10	0.5	2.2	< 0.01	0.02
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																					< 0.01	< 0.01
Method Blank																					< 0.01	< 0.01
Method Blank																					< 0.01	< 0.01



Date Submitted: 05-Feb-18  
Invoice No.: A18-01245  
Invoice Date: 20-Feb-18  
Your Reference: Jackpot

John Masters  
Suite 1240 789 W Pender St  
Vancouver BC V6C1H2  
Canada

ATTN: John Masters

## CERTIFICATE OF ANALYSIS

144 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-Peroxide ICP Sodium Peroxide Fusion ICP

REPORT A18-01245

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 a large, stylized 'E' and 'M'.

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

Results

Activation Laboratories Ltd.

Report: A18-01245

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
588035	63.31	15.55	8.01	0.089	3.20	2.02	3.03	2.67	0.607	0.16	1.59	100.3	17	8	125	150	23	60	30	70	19	3	< 5
588036	64.25	15.74	5.45	0.072	2.46	2.10	3.96	2.16	0.535	0.76	1.33	98.82	12	19	85	140	19	50	< 10	90	22	3	< 5
588037	67.12	16.37	2.82	0.075	1.15	1.42	4.21	2.42	0.253	1.05	1.66	98.54	6	115	45	70	8	30	10	70	34	3	< 5
588038	71.79	16.33	0.87	0.048	0.10	0.27	5.86	1.88	0.007	0.26	0.74	98.16	< 1	129	< 5	< 20	< 1	< 20	10	< 30	33	3	< 5
588039	73.14	15.83	0.67	0.061	0.07	0.24	6.83	1.14	0.004	0.30	0.58	98.86	< 1	199	< 5	< 20	< 1	< 20	< 10	< 30	29	3	< 5
588040	74.46	13.56	0.69	0.588	0.05	0.78	0.62	6.44	0.053	0.03	2.02	99.28	12	5	< 5	120	< 1	< 20	160	570	29	6	50
588041	71.49	15.91	0.80	0.052	0.15	0.37	5.43	3.62	0.004	0.34	0.79	98.96	< 1	157	< 5	< 20	1	< 20	10	< 30	29	3	< 5
588042	69.03	18.17	0.65	0.057	0.05	0.21	4.23	7.08	0.002	0.35	0.36	100.2	< 1	221	< 5	< 20	< 1	< 20	< 10	< 30	25	4	< 5
588043	72.46	17.34	1.03	0.118	0.06	0.20	4.09	2.41	0.004	0.35	0.42	98.48	< 1	180	< 5	< 20	< 1	< 20	< 10	< 30	36	4	< 5
588044	72.48	16.94	0.92	0.104	0.06	0.17	4.53	2.61	0.003	0.34	0.52	98.68	< 1	208	< 5	< 20	< 1	< 20	< 10	40	34	4	< 5
588045	72.39	14.95	0.58	0.046	0.04	0.22	4.71	4.99	0.002	0.36	0.34	98.63	< 1	142	< 5	< 20	< 1	< 20	< 10	< 30	21	3	< 5
588046	74.67	13.97	0.84	0.098	0.08	0.34	4.27	3.56	0.003	0.52	0.46	98.80	< 1	135	< 5	< 20	< 1	< 20	< 10	30	25	3	< 5
588047	71.15	16.26	0.74	0.057	0.04	0.28	4.04	5.54	0.002	0.34	0.27	98.73	< 1	83	< 5	< 20	< 1	< 20	< 10	50	23	3	< 5
588048	71.34	16.30	0.58	0.032	0.06	0.29	6.49	3.27	0.003	0.29	0.39	99.04	< 1	81	< 5	< 20	< 1	< 20	< 10	< 30	25	3	< 5
588049	71.78	16.49	0.77	0.069	0.04	0.19	5.47	2.36	0.004	0.24	0.31	97.73	< 1	206	< 5	< 20	< 1	< 20	< 10	< 30	28	4	< 5
588050	97.84	0.39	1.81	0.019	0.03	0.03	0.08	0.04	0.021	< 0.01	-0.11	100.2	< 1	< 1	< 5	< 20	< 1	< 20	< 10	< 30	1	1	< 5
588051	61.81	16.10	7.94	0.095	3.10	1.94	3.18	2.91	0.611	0.30	1.59	99.58	17	10	123	150	23	70	60	90	21	3	< 5
588052	58.81	16.72	9.72	0.160	3.59	1.83	3.20	2.75	0.657	0.22	2.27	99.93	21	13	144	160	26	80	70	190	22	3	< 5
588053	77.88	12.89	0.71	0.046	0.07	0.29	4.37	1.97	0.004	0.29	0.47	98.99	< 1	83	< 5	< 20	< 1	< 20	< 10	140	24	4	< 5
588054	71.42	17.42	0.75	0.043	0.07	0.18	4.44	3.55	0.005	0.20	0.52	98.60	< 1	196	< 5	< 20	< 1	< 20	< 10	< 30	33	4	< 5
588055	71.61	17.13	0.88	0.063	0.07	0.19	4.36	1.92	0.003	0.21	0.41	96.85	< 1	153	< 5	< 20	< 1	< 20	< 10	< 30	35	4	< 5
588056	72.07	17.17	0.93	0.066	0.07	0.17	4.27	2.69	0.003	0.22	0.43	98.09	< 1	193	< 5	< 20	< 1	< 20	< 10	100	36	4	< 5
588057	73.37	16.57	0.94	0.053	0.18	0.38	4.16	2.45	0.004	0.34	0.75	99.19	< 1	128	< 5	< 20	< 1	< 20	< 10	< 30	32	4	< 5
588058	58.55	16.74	9.46	0.141	3.46	1.95	2.88	3.27	0.664	0.25	2.00	99.37	22	13	148	170	31	80	110	240	22	3	< 5
588059	61.09	15.86	8.55	0.102	3.18	1.93	3.12	2.99	0.650	0.13	1.75	99.34	20	6	139	170	25	70	40	100	20	2	< 5
588060	73.12	13.85	0.69	0.597	0.03	0.77	0.61	6.33	0.052	0.04	2.02	98.13	12	5	< 5	120	< 1	< 20	160	540	29	6	49
588061	62.99	16.79	6.46	0.070	3.11	2.02	2.94	2.30	0.621	0.38	1.82	99.49	18	10	124	170	24	70	80	180	22	2	< 5
588062	64.10	16.03	6.47	0.086	3.01	1.90	3.27	2.69	0.609	0.28	1.60	100.0	17	6	114	160	21	60	30	80	21	3	< 5
588063	71.75	15.85	0.64	0.028	0.10	0.33	6.91	2.20	0.019	0.29	0.56	98.67	< 1	104	< 5	< 20	1	< 20	20	< 30	25	4	< 5
588064	72.46	16.57	0.65	0.064	0.08	0.29	4.60	4.29	0.004	0.36	0.63	100.0	< 1	176	< 5	< 20	< 1	< 20	< 10	670	27	4	< 5
588065	73.94	14.89	0.86	0.097	0.15	0.31	2.63	5.40	0.003	0.44	0.76	99.48	< 1	254	< 5	< 20	< 1	< 20	< 10	40	27	3	< 5
588066	73.94	15.97	0.69	0.056	0.24	0.32	4.40	3.16	0.004	0.30	0.86	99.93	< 1	191	< 5	< 20	< 1	< 20	< 10	< 30	29	3	< 5
588067	74.52	15.93	0.81	0.061	0.09	0.21	4.30	2.17	0.003	0.22	0.44	98.75	< 1	215	< 5	< 20	< 1	< 20	< 10	540	31	4	< 5
588068	72.26	16.14	0.75	0.048	0.25	0.44	4.21	4.46	0.003	0.31	0.90	99.79	< 1	146	< 5	< 20	< 1	< 20	< 10	< 30	26	4	< 5
588069	72.25	16.25	0.73	0.053	0.14	0.23	6.34	1.58	0.004	0.26	0.58	98.42	< 1	224	< 5	< 20	< 1	< 20	< 10	40	28	4	< 5
588070	97.90	0.47	1.84	0.019	0.05	0.03	0.09	0.06	0.023	< 0.01	-0.21	100.3	< 1	< 1	< 5	< 20	1	< 20	< 10	< 30	1	1	< 5
588071	72.13	15.96	0.61	0.056	0.07	0.23	6.49	2.11	0.003	0.30	0.28	98.25	< 1	273	< 5	< 20	< 1	< 20	< 10	30	26	4	< 5
588072	73.24	15.54	0.67	0.049	0.10	0.28	5.24	2.46	0.005	0.26	0.60	98.46	< 1	208	< 5	< 20	< 1	< 20	< 10	40	29	4	< 5
588073	74.46	14.99	0.66	0.050	0.15	0.26	5.86	2.40	0.003	0.27	0.64	99.74	< 1	205	< 5	< 20	< 1	< 20	< 10	100	26	4	< 5
588074	73.23	15.86	0.76	0.071	0.06	0.21	5.20	2.34	0.004	0.30	0.48	98.52	< 1	201	< 5	< 20	< 1	< 20	< 10	40	30	4	< 5
588075	74.39	15.11	0.74	0.074	0.08	0.26	4.39	3.39	0.004	0.34	0.55	99.32	< 1	134	< 5	< 20	< 1	< 20	< 10	100	29	4	< 5



## Results

## Activation Laboratories Ltd.

Report: A18-01245

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
588076	75.38	14.63	0.76	0.056	0.06	0.25	4.62	2.10	0.004	0.25	0.53	98.64	<1	139	<5	<20	<1	<20	<10	110	30	4	<5
588077	71.88	17.24	0.86	0.085	0.06	0.21	3.61	4.22	0.003	0.34	0.49	98.98	<1	100	<5	<20	<1	<20	<10	<30	33	4	<5
588078	72.77	16.32	0.73	0.069	0.05	0.21	4.51	3.34	0.002	0.32	0.34	98.67	<1	135	<5	<20	<1	<20	<10	40	30	4	<5
588079	71.42	17.68	0.67	0.060	0.09	0.23	5.33	3.44	0.005	0.29	0.68	99.90	<1	182	<5	110	<1	270	<10	70	34	4	<5
588080	73.74	13.72	0.69	0.601	0.03	0.73	0.65	6.37	0.052	<0.01	1.96	98.54	13	5	<5	120	<1	<20	170	590	31	7	52
588081	73.07	16.10	0.70	0.052	0.12	0.22	5.10	2.86	0.003	0.26	0.60	99.08	<1	171	<5	<20	<1	<20	<10	<30	30	4	<5
588082	72.85	15.42	0.73	0.091	0.06	0.26	4.37	3.33	0.003	0.40	0.33	97.83	<1	143	<5	<20	<1	<20	30	110	28	4	<5
588083	76.49	13.10	0.71	0.060	0.16	0.43	3.85	3.73	0.004	0.36	0.68	99.58	<1	189	<5	<20	<1	<20	20	<30	23	3	<5
588084	77.46	12.63	0.94	0.214	0.15	0.39	3.93	2.69	0.003	0.84	0.72	99.96	<1	285	<5	<20	<1	<20	<10	110	25	3	<5
588085	74.28	14.94	1.02	0.186	0.10	0.33	3.37	3.58	0.004	0.66	0.52	98.99	<1	252	<5	<20	<1	<20	<10	250	28	3	<5
588086	73.61	15.08	0.80	0.067	0.19	0.24	3.74	3.98	0.002	0.24	0.75	98.71	<1	402	<5	<20	<1	<20	<10	490	24	3	<5
588087	74.70	15.64	0.83	0.088	0.12	0.24	4.11	2.80	0.003	0.26	0.50	99.26	<1	90	<5	<20	<1	<20	<10	30	28	3	<5
588088	72.44	15.39	0.72	0.061	0.14	0.21	4.69	4.26	0.002	0.32	0.51	98.74	<1	136	<5	<20	<1	<20	<10	<30	26	3	<5
588089	72.63	15.27	1.05	0.208	0.10	0.63	5.48	2.69	0.003	1.00	0.74	99.80	<1	273	<5	<20	<1	<20	20	<30	30	3	<5
588090	98.32	0.39	0.95	0.011	0.03	0.04	0.05	0.06	0.022	<0.01	-0.04	99.83	<1	<1	<5	<20	<1	<20	<10	<30	1	<1	<5
588091	70.80	15.82	0.85	0.079	0.20	0.38	5.54	3.64	0.003	0.39	0.88	98.60	<1	94	<5	<20	2	<20	20	<30	26	4	<5
588092	71.22	16.50	0.92	0.083	0.14	0.47	5.80	3.26	0.004	0.52	0.75	99.66	<1	143	<5	<20	1	<20	20	<30	28	4	<5
588093	67.08	19.78	1.07	0.083	0.27	0.54	6.62	3.07	0.004	0.48	1.29	100.3	<1	98	<5	<20	8	<20	10	40	38	4	<5
588094	72.14	14.85	0.90	0.063	0.11	0.36	4.45	4.92	0.003	0.36	0.52	98.68	<1	99	<5	<20	1	<20	30	<30	22	3	<5
588095	72.44	15.60	0.68	0.024	0.13	0.38	6.63	2.28	0.003	0.21	0.61	99.00	<1	193	<5	<20	2	<20	30	<30	26	3	<5
588096	73.79	15.65	0.75	0.031	0.17	0.41	6.02	2.23	0.003	0.26	0.68	99.99	<1	188	<5	<20	3	<20	20	<30	27	4	<5
588097	70.65	16.31	1.44	0.069	0.43	1.27	5.92	2.15	0.084	0.74	1.34	100.4	2	102	15	30	3	<20	20	<30	31	3	<5
588098	70.51	15.75	1.42	0.076	0.41	0.88	5.49	2.36	0.078	0.66	1.07	98.71	2	141	13	20	3	<20	20	<30	34	4	<5
588099	74.64	14.44	0.70	0.028	0.04	0.32	5.35	2.23	0.005	0.22	0.70	98.66	<1	86	<5	<20	<1	<20	10	<30	28	3	<5
588100	74.27	13.22	0.70	0.595	0.03	0.75	0.60	6.35	0.052	<0.01	1.88	98.45	12	5	<5	110	<1	<20	160	520	30	6	53
588101	69.21	12.85	5.98	0.126	2.37	1.82	2.66	2.17	0.508	0.60	1.58	99.87	13	29	93	130	18	40	20	60	21	3	<5
588102	83.65	5.96	1.84	0.046	0.64	2.76	1.30	0.78	0.166	1.06	1.20	99.39	5	9	30	40	6	<20	50	<30	11	2	<5
588103	67.64	12.99	5.48	0.078	2.61	2.16	3.18	2.26	0.515	0.16	2.12	99.19	14	15	103	130	18	50	40	60	17	3	<5
588104	64.32	15.19	6.88	0.102	3.30	2.31	2.63	2.37	0.646	0.18	2.48	100.4	16	2	116	150	21	60	100	40	19	1	<5
588105	63.76	15.02	6.67	0.112	3.27	2.11	3.18	2.05	0.635	0.17	2.58	99.57	16	3	113	150	20	50	20	50	19	2	<5
588106	74.73	14.84	0.78	0.084	0.18	0.34	2.46	2.07	0.014	0.27	0.85	96.62	<1	158	<5	30	<1	<20	20	40	40	4	<5
588107	73.91	16.53	0.73	0.068	0.13	0.32	2.65	1.64	0.004	0.19	0.67	96.87	<1	126	<5	40	<1	<20	<10	<30	44	4	<5
588108	71.76	16.29	0.18	0.013	0.04	0.63	9.70	0.32	0.001	0.37	0.33	99.62	<1	209	<5	<20	<1	<20	<10	<30	26	5	<5
588109	71.64	16.51	0.19	0.018	0.04	0.67	9.75	0.28	0.001	0.47	0.29	99.86	<1	203	<5	<20	<1	<20	<10	<30	26	5	<5
588110	99.34	0.24	0.40	0.006	0.02	0.01	0.03	0.02	0.018	<0.01	0.03	100.1	<1	<1	<5	<20	<1	<20	<10	<30	<1	<1	<5
588111	71.71	16.56	0.34	0.020	0.05	0.88	8.90	0.64	0.005	0.37	0.69	100.2	<1	180	<5	<20	<1	<20	<10	<30	27	5	<5
588112	73.68	15.35	0.35	0.013	0.04	0.53	7.34	1.41	0.005	0.22	0.71	99.64	<1	131	<5	<20	<1	<20	<10	<30	25	4	<5
588113	65.74	13.64	6.59	0.115	3.90	2.03	1.99	2.71	0.588	0.15	2.40	99.85	15	7	112	210	23	70	<10	80	18	2	<5
588114	64.66	13.48	7.26	0.106	4.07	2.58	1.92	2.63	0.646	0.17	2.69	100.2	17	3	128	240	25	70	10	70	19	2	<5
588115	72.82	14.80	0.33	0.012	0.05	0.86	8.00	0.65	0.007	0.23	0.76	98.53	<1	176	<5	<20	<1	<20	<10	<30	24	4	<5
588116	72.53	16.27	0.32	0.016	0.04	0.68	8.58	0.82	0.007	0.22	0.76	100.2	<1	162	<5	<20	<1	<20	10	<30	25	4	<5

Results

Activation Laboratories Ltd.

Report: A18-01245

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
588117	63.97	15.59	7.17	0.083	3.01	1.95	3.47	2.23	0.583	0.10	1.65	99.82	17	2	120	140	21	50	30	70	20	2	< 5
588118	67.98	14.09	5.42	0.081	2.31	2.03	3.60	2.06	0.460	0.44	1.46	99.93	12	17	90	120	17	50	30	70	20	2	< 5
588119	74.19	15.98	0.52	0.032	0.08	0.38	6.55	1.62	0.014	0.28	0.74	100.4	< 1	126	< 5	< 20	< 1	< 20	< 10	< 30	33	4	< 5
588120	74.65	13.78	0.70	0.591	0.04	0.73	0.64	6.30	0.053	< 0.01	1.76	99.27	12	5	< 5	120	< 1	< 20	170	560	30	6	52
588121	73.69	15.90	0.69	0.091	0.19	0.25	4.26	2.71	0.003	0.23	0.73	98.74	< 1	116	< 5	< 20	< 1	< 20	< 10	< 30	32	4	< 5
588122	76.12	14.52	0.62	0.067	0.14	0.25	3.73	2.62	0.003	0.21	0.70	98.97	< 1	128	< 5	30	< 1	< 20	< 10	< 30	29	3	< 5
588123	72.75	15.45	0.66	0.052	0.17	0.29	4.68	3.98	0.006	0.23	0.72	98.98	< 1	143	< 5	20	< 1	< 20	< 10	< 30	27	3	< 5
588124	69.63	17.81	0.70	0.041	0.21	0.51	6.90	3.21	0.005	0.28	0.90	100.2	< 1	147	< 5	< 20	< 1	< 20	< 10	< 30	33	3	< 5
588125	64.27	14.35	6.41	0.181	2.87	1.67	2.48	2.80	0.550	0.45	2.28	98.33	13	12	102	160	17	50	30	60	25	3	< 5
588126	64.23	14.40	6.85	0.119	3.28	1.95	3.22	2.33	0.585	0.13	2.51	99.61	15	4	115	160	18	50	20	60	20	2	< 5
588127	64.08	15.31	6.83	0.115	2.85	2.29	3.56	1.97	0.603	0.14	2.20	99.95	15	2	115	160	22	60	110	190	20	2	< 5
588128	62.94	14.96	6.34	0.140	2.66	1.74	4.24	1.88	0.562	0.14	2.86	98.48	15	4	108	150	22	60	40	40	19	2	< 5
588129	61.63	15.69	8.03	0.164	3.47	1.75	3.38	2.25	0.602	0.15	2.40	99.52	17	5	127	170	20	60	20	90	23	2	< 5
588130	99.36	0.36	0.53	0.007	0.03	0.02	0.06	0.04	0.024	< 0.01	0.09	100.5	< 1	< 1	< 5	< 20	< 1	< 20	< 10	< 30	< 1	< 1	< 5
588131	75.12	13.85	1.17	0.141	0.35	0.44	1.76	4.10	0.006	0.55	1.71	99.21	< 1	452	< 5	30	2	< 20	180	140	35	3	< 5
588132	67.74	19.97	0.67	0.039	0.26	0.24	4.64	4.88	0.006	0.19	1.63	100.3	< 1	125	< 5	< 20	1	< 20	30	140	49	3	< 5
588133	79.47	10.56	0.78	0.033	0.34	0.67	2.07	3.31	0.003	0.22	1.36	98.81	< 1	153	5	40	1	< 20	10	90	19	3	< 5
588134	88.18	6.01	0.58	0.016	0.08	0.16	2.01	1.39	0.002	0.08	0.42	98.92	< 1	76	< 5	50	< 1	< 20	< 10	< 30	11	3	< 5
588135	77.44	13.58	0.39	0.014	0.06	0.43	5.00	1.63	0.006	0.28	0.90	99.74	< 1	79	< 5	40	1	< 20	10	< 30	27	3	< 5
588136	78.88	12.13	0.38	0.012	0.08	0.49	4.59	1.43	0.005	0.35	0.61	98.95	< 1	91	< 5	30	1	< 20	< 10	< 30	22	3	< 5
588137	59.81	15.10	7.77	0.310	3.40	3.40	3.03	1.79	0.649	0.61	3.75	99.61	19	43	142	160	27	70	50	50	26	2	< 5
588138	60.65	15.65	8.60	0.196	3.56	1.96	3.70	1.33	0.636	0.14	3.68	100.1	18	5	131	160	33	80	30	50	21	2	< 5
588139	72.08	18.33	0.75	0.065	0.13	0.27	2.76	1.42	0.012	0.08	0.76	96.66	< 1	94	< 5	30	< 1	< 20	< 10	< 30	44	4	< 5
588140	73.48	13.80	0.69	0.589	0.06	0.76	0.61	6.36	0.054	0.02	2.21	98.65	12	5	< 5	140	< 1	60	160	510	29	6	49
588141	76.64	15.89	0.57	0.059	0.13	0.18	2.78	1.18	0.004	0.11	0.63	98.18	< 1	131	< 5	20	< 1	< 20	< 10	< 30	36	4	< 5
588142	74.43	16.83	0.62	0.049	0.14	0.25	4.48	1.59	0.003	0.22	0.68	99.29	< 1	132	< 5	20	< 1	< 20	< 10	< 30	31	4	< 5
588143	68.64	18.75	0.63	0.047	0.15	0.31	3.76	3.59	0.002	0.18	0.68	96.74	< 1	79	< 5	< 20	< 1	< 20	< 10	< 30	39	5	< 5
588144	68.72	21.30	0.74	0.091	0.09	0.28	1.86	1.66	0.004	0.20	0.49	95.45	< 1	101	< 5	20	< 1	< 20	< 10	< 30	52	5	< 5
588145	71.11	20.42	0.73	0.084	0.09	0.15	1.78	0.48	0.004	0.08	0.41	95.33	< 1	11	< 5	30	< 1	< 20	< 10	70	47	5	< 5
588146	69.67	19.06	0.41	0.028	0.04	0.27	8.04	1.61	0.003	0.25	0.55	99.93	< 1	167	< 5	< 20	< 1	< 20	< 10	< 30	31	4	< 5
588147	65.79	15.40	5.34	0.100	2.64	1.80	2.99	2.64	0.501	0.46	1.86	99.52	13	11	87	140	17	50	< 10	80	22	2	< 5
588148	65.63	15.17	5.34	0.069	2.69	1.93	3.41	2.52	0.516	0.11	1.58	98.96	13	3	92	140	17	50	10	60	18	2	< 5
588149	78.09	12.88	0.75	0.010	0.20	0.28	2.96	2.41	0.025	0.10	1.23	98.93	< 1	47	13	< 20	1	< 20	< 10	< 30	20	3	< 5
588150	98.95	0.44	0.54	0.007	0.03	0.02	0.06	0.08	0.023	< 0.01	0.07	100.2	< 1	< 1	< 5	< 20	< 1	< 20	< 10	< 30	< 1	< 1	< 5
588151	59.31	17.67	9.03	0.103	3.02	1.66	2.33	3.98	0.586	0.24	1.70	99.62	19	11	130	160	23	80	< 10	80	23	3	< 5
588152	59.96	16.21	8.95	0.126	2.61	2.64	0.52	3.73	0.508	1.92	2.35	99.52	16	12	105	140	21	60	80	190	28	3	< 5
588153	72.71	15.03	2.42	0.137	0.57	0.88	0.87	3.64	0.117	0.79	2.14	99.32	3	263	23	40	3	< 20	20	60	41	3	< 5
588154	74.26	15.96	1.33	0.055	0.07	0.32	1.44	3.96	0.014	0.28	1.86	99.56	< 1	128	7	30	< 1	< 20	< 10	40	50	3	< 5
588155	75.60	13.52	0.56	0.059	0.10	0.20	4.52	2.21	0.005	0.26	0.69	97.74	< 1	67	< 5	< 20	< 1	< 20	< 10	< 30	27	4	< 5
588156	74.54	14.99	0.69	0.071	0.10	0.22	4.25	2.50	0.004	0.28	0.69	98.33	< 1	86	< 5	< 20	< 1	< 20	< 10	< 30	29	4	< 5
588157	72.97	14.56	0.62	0.072	0.16	0.21	2.82	5.85	0.003	0.33	0.97	98.55	< 1	64	< 5	< 20	< 1	< 20	< 10	< 30	25	3	< 5

Results

Activation Laboratories Ltd.

Report: A18-01245

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
588158	76.01	14.12	0.63	0.063	0.15	0.19	3.31	4.24	0.003	0.32	0.79	99.83	<1	214	<5	20	<1	<20	<10	<30	27	3	<5
588159	67.11	16.84	0.27	0.018	0.03	0.12	2.38	11.78	0.001	0.36	0.22	99.13	<1	21	<5	<20	<1	<20	<10	<30	17	4	<5
588160	73.78	13.94	0.71	0.614	0.03	0.72	0.66	6.42	0.053	<0.01	2.08	99.01	13	5	<5	120	<1	<20	170	540	30	6	50
588161	69.80	16.07	0.73	0.176	0.08	0.49	4.75	5.82	0.002	0.91	0.63	99.45	<1	153	<5	<20	<1	<20	<10	<30	24	3	<5
588162	72.48	14.86	0.87	0.225	0.05	0.39	2.64	5.22	0.005	0.90	1.12	98.77	<1	194	<5	<20	<1	<20	<10	50	37	3	<5
588163	78.00	12.91	0.62	0.082	0.06	0.13	3.04	3.90	0.002	0.33	0.40	99.48	<1	148	<5	30	<1	<20	<10	<30	22	3	<5
588164	70.77	15.25	0.85	0.246	0.08	0.57	1.90	8.07	0.004	1.10	0.76	99.60	<1	194	<5	<20	<1	<20	<10	<30	26	3	<5
588165	71.19	16.19	0.39	0.064	0.03	0.34	6.30	3.95	0.002	0.43	0.47	99.36	<1	167	<5	<20	<1	<20	30	<30	24	3	<5
588166	71.25	16.66	0.44	0.048	0.08	0.22	3.49	6.88	0.002	0.27	0.53	99.85	<1	118	<5	<20	<1	<20	<10	<30	23	4	<5
588167	72.90	16.85	0.60	0.152	0.06	0.29	6.57	1.01	0.003	0.45	0.63	99.52	<1	218	<5	<20	<1	<20	<10	140	31	4	<5
588168	72.91	16.50	0.65	0.112	0.13	0.32	5.69	1.43	0.003	0.30	0.84	98.90	<1	233	<5	<20	<1	<20	<10	<30	30	4	<5
588169	74.08	15.89	0.48	0.028	0.08	0.47	6.35	2.16	0.003	0.31	0.77	100.6	<1	174	<5	<20	<1	<20	<10	<30	27	3	<5
588170	97.85	0.38	0.48	0.007	0.03	0.02	0.07	0.04	0.024	<0.01	0.04	98.94	<1	1	<5	<20	<1	<20	<10	<30	<1	<1	<5
588171	71.77	17.26	0.40	0.023	0.07	0.48	6.78	1.73	0.004	0.30	1.08	99.89	<1	122	<5	<20	<1	<20	<10	<30	30	3	<5
588172	56.39	17.75	10.60	0.390	2.80	2.31	1.40	1.70	0.576	1.43	3.54	98.87	19	30	127	170	19	70	<10	90	36	3	<5
588173	71.63	17.17	1.13	0.060	0.25	1.47	0.84	4.40	0.042	1.05	2.27	100.3	1	206	17	30	2	<20	<10	<30	37	3	<5
588174	57.28	18.13	9.43	0.196	3.16	1.81	2.09	3.54	0.665	0.22	2.56	99.08	22	29	151	180	26	80	20	90	24	3	<5
588175	57.97	18.38	8.77	0.126	2.95	2.51	2.63	3.43	0.662	0.15	2.25	99.85	22	10	148	190	26	90	20	80	23	3	<5
588176	57.93	18.85	8.67	0.124	2.91	2.64	2.73	3.42	0.688	0.15	2.19	100.3	22	10	150	190	27	80	20	80	23	3	<5
588177	56.76	15.21	15.05	0.126	2.71	4.74	0.77	2.41	0.497	0.10	1.66	100.0	15	4	99	130	19	60	60	100	19	3	<5
588178	69.06	8.81	12.17	0.061	1.02	4.21	0.23	1.40	0.109	0.37	2.18	99.62	3	3	29	50	9	<20	150	30	12	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	Li <sub>2</sub> O
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-Na <sub>2</sub> O <sub>2</sub>	FUS-Na <sub>2</sub> O <sub>2</sub>
588035	552	253	13	124	6	<2	<0.5	<0.2	25	<0.5	255	532	0.9	3.1	0.6	<1	3.4	11	6.7	3.1	0.09	0.18
588036	828	304	13	144	9	<2	<0.5	<0.2	53	<0.5	302	537	<0.4	3.0	4.7	2	6.3	11	8.3	3.1	0.09	0.19
588037	767	164	8	66	30	<2	<0.5	<0.2	129	<0.5	76.0	357	<0.4	1.8	47.4	4	4.2	15	4.2	5.4	0.06	0.13
588038	492	25	<2	5	22	<2	<0.5	<0.2	61	<0.5	28.0	26	<0.4	0.6	23.6	1	3.0	11	0.8	5.9	0.17	0.38
588039	293	16	<2	8	23	<2	<0.5	<0.2	34	<0.5	21.2	20	<0.4	1.0	37.5	1	1.7	11	0.8	6.9	0.17	0.37
588040	2070	25	15	78	68	6	1.8	0.3	12	14.0	59.7	96	58.7	5.8	10.3	104	12.2	575	24.6	45.4	0.27	0.59
588041	898	43	2	8	18	<2	<0.5	<0.2	38	<0.5	46.4	32	<0.4	0.9	20.7	2	7.0	6	0.6	4.0	0.02	0.03
588042	2030	38	<2	<4	15	<2	<0.5	<0.2	22	<0.5	104	25	<0.4	0.4	17.7	1	16.3	15	0.5	5.2	0.26	0.56
588043	668	25	<2	5	21	<2	<0.5	<0.2	48	<0.5	43.2	20	<0.4	0.7	23.3	1	5.6	10	0.7	5.2	0.82	1.76
588044	682	24	<2	4	21	<2	<0.5	<0.2	45	<0.5	42.0	19	0.4	0.5	26.3	1	5.1	9	0.9	3.3	0.62	1.34
588045	1240	32	<2	5	10	<2	<0.5	<0.2	19	<0.5	75.8	22	<0.4	0.5	14.5	<1	10.0	10	0.5	3.5	0.04	0.10
588046	913	33	<2	<4	8	<2	<0.5	<0.2	27	<0.5	50.0	25	0.4	0.3	10.5	2	7.1	12	0.6	8.9	0.10	0.21
588047	1270	38	<2	<4	7	<2	<0.5	<0.2	20	<0.5	67.7	30	3.1	<0.2	10.4	2	9.8	19	0.4	3.0	0.40	0.85
588048	748	35	<2	<4	4	<2	<0.5	<0.2	23	<0.5	39.0	21	2.9	0.2	2.8	1	6.0	10	0.7	3.1	0.21	0.44
588049	566	27	<2	<4	19	<2	<0.5	<0.2	34	<0.5	26.6	18	3.4	0.4	23.6	<1	4.2	12	0.8	3.3	0.53	1.13
588050	3	4	4	50	<1	<2	<0.5	<0.2	<1	<0.5	<0.5	10	<0.4	1.5	0.2	<1	0.3	<5	1.6	0.5	<0.01	<0.01
588051	518	245	16	111	5	<2	<0.5	<0.2	15	<0.5	221	468	0.8	2.3	2.5	1	3.5	22	6.9	2.4	0.14	0.30
588052	732	230	17	116	6	<2	<0.5	<0.2	26	<0.5	324	465	0.8	2.6	0.9	2	4.9	15	6.8	2.6	0.14	0.31
588053	553	23	14	13	31	<2	<0.5	<0.2	54	<0.5	37.7	29	0.7	1.3	20.1	<1	4.7	14	0.8	7.9	0.24	0.52
588054	939	33	<2	<4	20	<2	<0.5	<0.2	52	<0.5	64.9	48	<0.4	0.4	15.3	<1	6.7	12	0.5	3.8	0.59	1.26
588055	517	23	<2	<4	26	<2	<0.5	<0.2	44	<0.5	38.7	29	1.8	0.5	28.3	<1	3.7	12	0.8	5.7	0.84	1.81
588056	677	27	<2	<4	21	<2	<0.5	<0.2	44	<0.5	48.3	39	1.8	0.4	25.2	<1	4.8	11	0.9	5.4	0.81	1.74
588057	602	34	3	8	26	<2	<0.5	<0.2	74	<0.5	45.1	71	0.5	0.8	22.2	<1	4.2	9	0.6	4.1	0.54	1.15
588058	872	238	19	122	7	<2	<0.5	<0.2	22	<0.5	351	566	0.8	3.1	1.0	2	7.8	20	7.0	2.0	0.14	0.31
588059	705	210	17	113	5	<2	<0.5	<0.2	6	<0.5	292	562	0.4	2.6	0.5	1	6.3	12	6.9	2.0	0.13	0.27
588060	2060	24	19	88	66	5	2.1	0.3	12	14.4	58.9	96	59.7	6.6	10.2	91	12.5	588	25.6	47.6	0.28	0.59
588061	161	268	18	132	7	8	1.0	<0.2	4	<0.5	132	432	3.9	3.2	2.6	2	2.0	27	8.5	2.5	0.08	0.17
588062	511	286	14	136	7	<2	0.6	<0.2	19	<0.5	297	452	<0.4	3.1	2.6	2	3.9	16	8.1	2.7	0.10	0.21
588063	681	35	<2	7	46	<2	<0.5	<0.2	32	<0.5	42.0	33	<0.4	0.6	47.1	<1	4.9	9	0.7	5.3	0.09	0.20
588064	1130	31	<2	10	40	<2	<0.5	<0.2	45	<0.5	52.8	32	<0.4	1.0	32.1	<1	8.6	20	0.8	10.9	0.32	0.70
588065	1340	34	2	6	32	<2	<0.5	<0.2	57	<0.5	66.0	81	<0.4	0.6	19.3	<1	9.9	16	0.6	7.0	0.29	0.62
588066	809	27	3	11	55	<2	<0.5	<0.2	65	<0.5	53.8	76	0.5	1.2	36.6	<1	5.9	12	0.8	5.3	0.36	0.77
588067	606	21	<2	6	31	<2	<0.5	<0.2	44	<0.5	45.6	49	0.4	0.7	41.7	<1	4.5	17	0.9	7.2	0.71	1.54
588068	1180	33	3	9	58	<2	<0.5	<0.2	51	<0.5	69.8	83	<0.4	0.9	37.6	<1	8.6	14	0.7	5.1	0.18	0.40
588069	459	23	<2	10	35	<2	<0.5	<0.2	31	<0.5	39.3	29	1.0	0.9	43.7	<1	3.7	11	0.9	6.9	0.37	0.79
588070	3	4	4	43	<1	<2	<0.5	<0.2	<1	<0.5	<0.5	13	<0.4	1.4	0.1	<1	0.3	<5	1.8	0.6	<0.01	<0.01
588071	698	22	<2	12	44	<2	<0.5	<0.2	23	<0.5	49.8	18	1.7	1.1	48.6	<1	4.8	14	1.0	8.2	0.33	0.71
588072	756	21	<2	12	38	<2	<0.5	<0.2	42	<0.5	50.3	29	1.1	1.2	51.1	<1	5.3	14	0.8	6.7	0.32	0.68
588073	651	23	<2	13	36	<2	<0.5	<0.2	29	<0.5	51.0	39	2.1	1.3	49.6	<1	4.7	18	0.9	8.2	0.17	0.36
588074	703	21	<2	11	38	<2	<0.5	<0.2	41	<0.5	48.8	19	0.4	1.0	52.2	<1	4.8	14	1.1	8.2	0.44	0.96
588075	1020	26	<2	<4	16	<2	<0.5	<0.2	46	<0.5	53.2	20	<0.4	0.4	21.7	<1	7.4	13	0.6	5.0	0.34	0.74



## Results

## Activation Laboratories Ltd.

## Report: A18-01245

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-Na2O2	FUS-Na2O2
588076	664	20	< 2	< 4	29	< 2	< 0.5	< 0.2	44	< 0.5	39.1	15	< 0.4	0.4	31.9	< 1	4.7	9	0.5	5.3	0.36	0.77
588077	1250	35	< 2	< 4	20	< 2	< 0.5	< 0.2	46	< 0.5	63.6	23	< 0.4	0.4	15.3	1	8.8	20	1.1	13.6	0.63	1.35
588078	988	29	< 2	6	19	< 2	< 0.5	< 0.2	36	< 0.5	50.9	22	< 0.4	0.5	17.7	2	7.4	14	0.8	7.5	0.52	1.12
588079	982	33	< 2	10	43	< 2	< 0.5	< 0.2	54	< 0.5	57.9	35	0.5	0.9	49.5	< 1	7.1	14	1.0	6.7	0.28	0.60
588080	2170	26	13	68	44	5	2.1	0.3	10	13.0	65.6	93	52.2	5.1	9.4	105	14.1	433	25.4	47.2	0.27	0.59
588081	801	29	< 2	9	38	< 2	< 0.5	< 0.2	43	< 0.5	55.5	26	0.5	0.9	50.4	2	6.5	14	0.8	7.2	0.36	0.77
588082	904	38	< 2	5	16	< 2	< 0.5	< 0.2	35	< 0.5	56.7	19	0.7	0.5	24.4	< 1	6.6	12	0.6	5.1	0.40	0.86
588083	896	41	< 2	< 4	20	< 2	< 0.5	< 0.2	34	< 0.5	59.1	39	0.9	0.4	19.9	1	5.7	12	0.6	5.6	0.12	0.26
588084	666	38	< 2	32	14	< 2	< 0.5	< 0.2	48	< 0.5	44.9	34	< 0.4	2.9	9.3	< 1	4.3	19	0.7	20.0	0.15	0.32
588085	873	41	2	19	35	< 2	< 0.5	< 0.2	58	< 0.5	61.1	41	< 0.4	1.9	30.3	< 1	5.8	18	0.8	12.4	0.60	1.29
588086	853	43	< 2	8	25	< 2	< 0.5	< 0.2	39	< 0.5	66.6	102	2.5	0.8	18.4	< 1	6.0	12	0.3	5.0	0.38	0.81
588087	687	35	< 2	5	23	< 2	< 0.5	< 0.2	38	< 0.5	44.3	30	0.7	0.5	25.8	< 1	5.1	10	0.4	3.5	0.62	1.34
588088	1040	36	< 2	4	27	< 2	< 0.5	< 0.2	37	< 0.5	68.5	54	0.6	0.4	22.6	< 1	7.6	13	0.6	5.9	0.28	0.59
588089	672	48	4	42	45	< 2	< 0.5	< 0.2	58	< 0.5	38.8	34	0.4	3.6	70.5	2	4.6	21	1.7	23.6	0.06	0.13
588090	3	3	3	39	< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	12	< 0.4	1.2	0.2	< 1	0.4	< 5	1.3	0.5	< 0.01	< 0.01
588091	853	49	< 2	19	14	< 2	< 0.5	< 0.2	34	< 0.5	48.6	44	< 0.4	1.7	15.8	4	5.5	12	0.4	7.3	0.04	0.09
588092	774	58	< 2	15	21	< 2	< 0.5	< 0.2	46	< 0.5	44.1	41	< 0.4	1.5	18.9	< 1	5.2	12	0.5	9.0	0.06	0.13
588093	770	46	< 2	24	28	< 2	< 0.5	< 0.2	82	< 0.5	39.5	61	< 0.4	2.6	17.2	1	4.4	14	0.5	11.8	0.02	0.04
588094	1180	44	< 2	33	22	< 2	< 0.5	< 0.2	28	< 0.5	65.4	46	< 0.4	2.9	28.8	< 1	8.1	16	0.6	12.7	0.01	0.03
588095	540	37	< 2	11	34	< 2	< 0.5	< 0.2	32	< 0.5	30.3	48	< 0.4	1.2	40.0	< 1	3.9	10	0.8	8.2	0.02	0.04
588096	532	39	< 2	10	25	< 2	< 0.5	< 0.2	37	< 0.5	32.8	55	< 0.4	1.1	31.9	< 1	3.4	8	0.7	6.0	0.01	0.03
588097	736	96	5	46	44	< 2	< 0.5	< 0.2	106	< 0.5	59.3	118	0.6	3.4	59.1	6	4.3	8	1.9	7.6	0.04	0.08
588098	749	84	4	46	31	< 2	< 0.5	< 0.2	102	< 0.5	50.9	96	< 0.4	3.4	23.1	2	4.3	9	1.5	8.0	0.03	0.08
588099	569	33	2	6	43	< 2	< 0.5	< 0.2	60	< 0.5	26.1	26	< 0.4	0.6	39.3	1	3.4	7	0.6	4.7	< 0.01	0.01
588100	2150	25	13	67	48	6	2.1	0.3	10	14.2	63.2	88	66.7	5.7	10.0	106	12.7	458	25.1	48.0	0.27	0.58
588101	840	205	15	138	13	< 2	0.8	< 0.2	65	< 0.5	206	373	< 0.4	3.4	6.7	2	7.7	10	8.2	2.9	0.11	0.23
588102	210	88	5	26	6	< 2	< 0.5	< 0.2	19	< 0.5	23.6	128	< 0.4	0.6	3.5	4	1.8	< 5	1.7	1.2	0.03	0.06
588103	492	212	12	138	5	< 2	0.6	< 0.2	19	< 0.5	164	430	< 0.4	3.4	0.7	< 1	3.5	10	7.3	2.8	0.09	0.20
588104	156	336	16	147	5	2	0.6	< 0.2	< 1	< 0.5	19.4	699	< 0.4	3.5	0.5	4	1.3	8	7.7	2.5	0.06	0.14
588105	128	362	17	141	6	< 2	0.6	< 0.2	< 1	< 0.5	21.6	608	< 0.4	3.5	0.5	< 1	0.9	8	7.7	3.8	0.07	0.15
588106	554	63	< 2	8	28	2	< 0.5	< 0.2	94	< 0.5	68.7	184	< 0.4	1.0	31.6	2	3.0	< 5	0.7	2.0	0.94	2.01
588107	367	60	< 2	13	40	2	< 0.5	< 0.2	79	< 0.5	40.9	170	< 0.4	1.9	45.4	< 1	2.2	< 5	0.9	2.3	1.22	2.63
588108	33	25	4	30	33	< 2	< 0.5	< 0.2	2	< 0.5	10.0	27	0.4	3.7	43.6	2	0.4	6	1.9	3.3	< 0.01	< 0.01
588109	28	29	3	29	31	< 2	< 0.5	< 0.2	2	< 0.5	11.8	16	< 0.4	3.6	38.8	< 1	0.2	6	1.7	2.4	< 0.01	< 0.01
588110	< 2	< 2	3	36	< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	6	< 0.4	1.1	0.2	< 1	< 0.1	< 5	1.3	0.4	< 0.01	0.01
588111	201	33	2	12	28	< 2	< 0.5	< 0.2	23	< 0.5	9.3	22	< 0.4	1.3	31.3	< 1	0.9	< 5	1.0	1.9	< 0.01	0.01
588112	465	29	< 2	15	32	< 2	< 0.5	< 0.2	40	< 0.5	23.0	39	< 0.4	1.8	52.8	< 1	2.7	9	1.0	2.3	< 0.01	< 0.01
588113	442	214	11	155	6	< 2	0.5	< 0.2	8	< 0.5	164	705	< 0.4	4.0	0.9	< 1	3.6	11	8.5	5.5	0.08	0.18
588114	295	196	17	196	6	< 2	0.8	< 0.2	3	< 0.5	156	1071	0.4	4.9	0.6	< 1	2.0	10	10.3	4.4	0.08	0.17
588115	356	31	3	21	63	< 2	< 0.5	< 0.2	27	< 0.5	35.1	46	< 0.4	2.9	109	< 1	2.6	10	1.2	5.6	< 0.01	< 0.01
588116	426	32	3	32	96	< 2	< 0.5	< 0.2	34	< 0.5	39.6	48	< 0.4	5.3	164	< 1	3.1	10	1.6	6.4	< 0.01	< 0.01
588117	211	355	16	121	6	< 2	< 0.5	< 0.2	1	< 0.5	96.3	669	< 0.4	3.0	0.6	< 1	1.6	14	7.1	2.1	0.09	0.19

Results

Activation Laboratories Ltd.

Report: A18-01245

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-Na2O2	FUS-Na2O2
588118	332	286	12	110	8	< 2	< 0.5	< 0.2	17	< 0.5	95.3	526	< 0.4	2.8	3.7	< 1	2.7	13	5.9	4.1	0.08	0.18
588119	479	34	5	63	107	< 2	< 0.5	< 0.2	81	< 0.5	18.5	61	< 0.4	8.4	134	1	2.7	10	1.9	11.3	0.01	0.02
588120	2130	25	13	73	69	6	2.2	0.3	13	16.8	63.2	90	45.5	6.4	10.7	124	12.9	479	25.4	45.7	0.27	0.58
588121	644	41	< 2	5	26	< 2	< 0.5	< 0.2	63	< 0.5	43.5	65	< 0.4	0.8	17.2	1	4.9	11	0.7	5.3	0.48	1.04
588122	642	52	< 2	8	48	< 2	< 0.5	< 0.2	59	< 0.5	40.1	76	1.6	1.0	33.7	< 1	4.2	13	1.0	8.4	0.50	1.07
588123	858	69	< 2	11	26	< 2	< 0.5	< 0.2	46	< 0.5	41.6	170	1.2	1.2	20.7	2	5.4	13	0.9	7.5	0.18	0.38
588124	555	81	4	18	38	< 2	< 0.5	< 0.2	48	< 0.5	25.5	188	1.1	2.1	28.6	< 1	3.5	9	1.2	9.3	0.09	0.20
588125	1070	225	14	175	9	< 2	0.7	< 0.2	50	< 0.5	338	447	1.8	4.5	2.2	2	8.3	9	8.8	5.5	0.14	0.31
588126	276	257	14	156	6	3	0.6	< 0.2	5	< 0.5	127	628	0.7	4.0	0.5	6	2.6	9	8.4	2.9	0.10	0.22
588127	135	313	15	148	6	3	0.6	< 0.2	1	< 0.5	63.4	540	2.1	3.7	0.5	< 1	1.2	19	8.2	2.8	0.11	0.23
588128	202	287	14	138	6	4	0.5	< 0.2	2	< 0.5	30.6	523	0.6	3.6	0.5	8	1.5	9	7.6	2.9	0.10	0.21
588129	342	262	16	137	6	3	< 0.5	< 0.2	5	< 0.5	154	567	< 0.4	3.5	0.5	1	2.6	13	8.0	4.1	0.14	0.31
588130	< 2	3	3	53	< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	9	< 0.4	1.7	0.2	< 1	0.2	< 5	2.7	0.6	< 0.01	< 0.01
588131	983	53	4	29	28	< 2	< 0.5	< 0.2	90	< 0.5	59.4	224	5.0	2.5	16.6	< 1	6.3	19	0.6	13.7	0.19	0.41
588132	1450	49	< 2	6	74	< 2	< 0.5	< 0.2	92	< 0.5	71.7	100	1.4	0.8	66.9	< 1	8.7	11	0.9	7.2	0.18	0.38
588133	722	34	3	8	18	< 2	< 0.5	< 0.2	46	< 0.5	47.2	109	1.5	0.6	13.1	3	5.0	7	0.4	3.5	0.09	0.19
588134	325	16	6	6	14	3	< 0.5	< 0.2	20	< 0.5	20.6	66	< 0.4	0.4	10.5	< 1	2.6	< 5	0.2	1.1	0.02	0.04
588135	523	58	5	22	45	2	< 0.5	< 0.2	59	< 0.5	28.7	46	< 0.4	2.3	43.0	< 1	3.0	< 5	0.7	2.7	< 0.01	0.01
588136	396	74	4	16	27	< 2	< 0.5	< 0.2	42	< 0.5	22.8	56	< 0.4	1.5	21.2	< 1	2.5	< 5	0.5	2.3	< 0.01	< 0.01
588137	434	187	17	104	5	4	< 0.5	< 0.2	36	< 0.5	71.7	298	1.6	2.2	2.4	3	2.3	9	6.6	5.4	0.11	0.23
588138	117	232	17	113	4	4	< 0.5	< 0.2	6	< 0.5	40.8	388	0.6	2.5	0.5	38	0.8	8	7.6	3.2	0.11	0.23
588139	499	60	< 2	7	29	< 2	< 0.5	< 0.2	86	< 0.5	37.5	88	< 0.4	0.7	37.2	< 1	2.7	< 5	0.6	2.7	1.32	2.83
588140	2060	24	16	69	70	6	1.8	0.3	14	14.3	59.7	97	68.2	5.3	10.4	98	12.3	569	24.5	43.5	0.27	0.59
588141	434	25	< 2	10	46	3	< 0.5	< 0.2	92	< 0.5	31.5	54	< 0.4	1.2	35.4	117	3.4	< 5	0.5	3.4	1.02	2.20
588142	533	38	2	22	29	< 2	< 0.5	< 0.2	78	< 0.5	39.4	67	< 0.4	2.5	27.8	< 1	3.7	7	0.5	3.6	0.59	1.28
588143	1170	165	< 2	13	61	< 2	< 0.5	< 0.2	78	< 0.5	89.9	326	< 0.4	1.7	66.0	< 1	8.7	7	0.8	5.7	1.00	2.15
588144	578	40	2	5	103	< 2	< 0.5	< 0.2	151	< 0.5	47.4	61	< 0.4	1.1	74.6	< 1	4.5	15	1.3	13.9	1.94	4.17
588145	116	24	< 2	< 4	6	< 2	< 0.5	< 0.2	156	< 0.5	20.9	40	< 0.4	0.9	12.4	< 1	1.0	< 5	1.8	0.6	2.22	4.79
588146	659	35	< 2	14	71	< 2	< 0.5	< 0.2	58	< 0.5	44.9	39	< 0.4	2.3	221	< 1	4.4	10	1.5	4.3	0.33	0.72
588147	697	296	13	130	6	< 2	< 0.5	< 0.2	43	< 0.5	202	546	< 0.4	2.6	7.3	1	5.0	15	8.3	3.2	0.11	0.24
588148	147	313	13	103	2	< 2	< 0.5	< 0.2	1	< 0.5	79.6	691	< 0.4	2.1	0.6	1	1.2	12	8.6	2.5	0.09	0.19
588149	481	44	4	10	57	< 2	< 0.5	< 0.2	53	< 0.5	32.8	102	< 0.4	1.6	116	< 1	3.1	11	0.9	6.9	< 0.01	0.01
588150	3	3	5	45	< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	15	< 0.4	1.4	0.3	2	0.2	< 5	1.5	0.5	< 0.01	< 0.01
588151	566	199	18	112	5	3	< 0.5	< 0.2	28	< 0.5	242	643	1.0	2.9	0.6	1	3.8	18	7.5	2.2	0.13	0.28
588152	1040	136	17	102	16	< 2	< 0.5	< 0.2	167	< 0.5	221	413	< 0.4	2.5	7.5	2	7.7	12	6.4	2.4	0.13	0.28
588153	1080	43	9	49	70	< 2	< 0.5	< 0.2	285	< 0.5	57.9	76	0.4	2.7	51.0	1	5.4	7	1.8	6.8	0.06	0.14
588154	1360	27	7	26	80	< 2	< 0.5	< 0.2	280	< 0.5	65.0	30	< 0.4	2.8	52.4	21	7.4	< 5	0.4	4.5	0.02	0.05
588155	630	26	< 2	5	30	< 2	< 0.5	< 0.2	37	< 0.5	39.4	37	< 0.4	0.6	38.1	< 1	4.8	10	0.7	4.0	0.33	0.71
588156	726	28	< 2	< 4	12	< 2	< 0.5	< 0.2	43	< 0.5	43.8	35	< 0.4	0.5	17.3	< 1	5.0	9	0.5	4.6	0.54	1.16
588157	1680	52	< 2	< 4	9	< 2	< 0.5	< 0.2	40	< 0.5	90.6	100	< 0.4	0.3	12.3	< 1	12.6	13	0.4	5.1	0.18	0.38
588158	1190	31	2	6	24	< 2	< 0.5	< 0.2	71	< 0.5	57.5	37	< 0.4	0.5	10.0	< 1	8.5	9	0.4	3.6	0.03	0.06



## Results

## Activation Laboratories Ltd.

## Report: A18-01245

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Ti	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-Na2O2	FUS-Na2O2
588159	3300	62	<2	<4	2	<2	<0.5	<0.2	7	<0.5	135	41	<0.4	<0.2	2.2	<1	26.3	23	<0.1	0.8	<0.01	<0.01
588160	2190	27	13	70	37	6	2.5	0.3	10	12.8	65.0	94	48.2	5.8	9.7	103	15.0	451	25.3	47.3	0.27	0.58
588161	1630	61	<2	17	8	<2	<0.5	<0.2	27	<0.5	75.8	32	<0.4	1.5	14.8	<1	13.3	19	0.8	12.6	0.05	0.10
588162	1480	46	<2	15	15	<2	<0.5	<0.2	83	<0.5	69.3	21	<0.4	1.4	14.3	<1	10.9	12	0.4	6.4	0.16	0.34
588163	1090	29	<2	6	8	<2	<0.5	<0.2	36	<0.5	58.7	27	<0.4	0.7	8.9	<1	8.9	11	0.4	3.2	0.31	0.67
588164	2220	76	<2	57	18	<2	<0.5	<0.2	64	<0.5	109	47	<0.4	6.1	9.8	13	17.3	23	0.9	16.8	0.08	0.16
588165	1070	34	<2	17	39	<2	<0.5	<0.2	28	<0.5	52.0	23	0.5	2.0	44.7	<1	9.4	15	0.6	5.5	0.02	0.04
588166	1950	47	<2	6	23	<2	<0.5	<0.2	34	<0.5	99.0	61	<0.4	0.7	30.1	<1	16.1	18	0.6	4.5	0.21	0.46
588167	293	44	<2	16	31	<2	<0.5	<0.2	56	<0.5	20.0	28	0.8	2.0	38.1	<1	2.9	10	1.2	6.9	0.36	0.78
588168	342	37	<2	14	62	<2	<0.5	<0.2	65	<0.5	29.6	63	0.6	1.9	59.4	<1	2.4	11	1.2	7.0	0.47	1.01
588169	574	39	<2	10	44	<2	<0.5	<0.2	48	<0.5	27.7	36	<0.4	1.1	34.7	<1	3.9	10	0.7	3.0	0.05	0.10
588170	2	3	4	41	<1	<2	<0.5	<0.2	<1	<0.5	<0.5	8	<0.4	1.3	0.2	<1	0.3	<5	1.5	0.5	<0.01	<0.01
588171	585	45	<2	17	71	4	<0.5	<0.2	85	<0.5	26.8	28	0.5	2.5	105	132	3.3	7	1.0	6.7	<0.01	0.02
588172	285	117	18	111	31	<2	<0.5	<0.2	113	<0.5	35.3	224	<0.4	3.1	46.5	3	1.9	11	7.7	2.4	0.13	0.28
588173	1020	57	3	33	79	5	<0.5	<0.2	205	<0.5	66.8	136	2.6	3.8	181	77	5.4	12	1.3	6.8	0.03	0.06
588174	642	159	18	122	11	<2	<0.5	<0.2	54	<0.5	183	623	0.7	3.4	4.5	2	5.8	14	8.6	3.2	0.15	0.32
588175	569	208	18	118	7	<2	<0.5	<0.2	40	<0.5	158	673	0.7	3.2	0.8	1	5.4	16	8.3	2.5	0.14	0.31
588176	562	214	19	121	7	<2	<0.5	<0.2	40	<0.5	147	684	0.5	3.3	0.6	1	5.1	17	8.4	2.6	0.14	0.30
588177	167	172	20	139	5	65	0.6	<0.2	8	<0.5	62.7	461	0.7	3.7	0.5	45	1.3	10	8.2	2.4	0.07	0.16
588178	102	102	13	28	1	9	<0.5	<0.2	3	<0.5	16.0	187	2.5	0.7	0.1	12	0.6	<5	2.0	0.8	0.02	0.04

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	11.14	1.88	0.75	0.013	0.34	43.35	0.91	0.53	0.116	30.23					1594								
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	47.83	18.68	9.75	0.149	10.16	11.26	2.00	0.22	0.470	0.06			31		149	280	56	260	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		
LKSD-3 Meas																90	29	50	30	140			26
LKSD-3 Cert																87.0	30.0	47.0	35.0	152			27.0
TDB-1 Meas																240		90	330	150			
TDB-1 Cert																251		92	323	155			
W-2a Meas	51.26	14.97	10.76	0.168	6.25	11.12	2.25	0.59	1.041	0.13			35	< 1	267	90	43	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	
SY-4 Meas	50.41	19.77	6.26	0.109	0.50	8.19	6.88	1.57	0.286	0.12			1	3	< 5								
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	48.72	15.82	11.15	0.169	9.60	12.92	1.82	0.02	0.948	0.02			44	< 1	327	380	51	180	140	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																							
NCS DC70009 (GBW07241) Meas																		< 20	970	100	17	11	65
NCS DC70009 (GBW07241) Cert																		2.8	960	100	16.5	11.2	69.9
OREAS 100a (Fusion) Meas																	17		170				
OREAS 100a (Fusion) Cert																	18.1		169				
OREAS 101a (Fusion) Meas																	45		420				
OREAS 101a (Fusion) Cert																	48.8		430				
OREAS 101b (Fusion) Meas																	43	< 20	410				
OREAS 101b (Fusion) Cert																	47	9	420				
JR-1 Meas																		< 20	< 10	< 30	17	2	15
JR-1 Cert																		1.67	2.68	30.6	16.1	1.88	16.3
NCS DC86303 Meas																							
NCS DC86303 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 DC86304 Cert																							
NCS DC86304 Meas																							
NCS DC86304 Cert																							
NCS DC86304 Meas																							
NCS DC86304 Cert																							
NCS DC86304 Meas																							
NCS DC86304 Cert																							
NCS DC86314 Meas																							
NCS DC86314 Cert																							
NCS DC86314 Meas																							
NCS DC86314 Cert																							
NCS DC86314 Meas																							
NCS DC86314 Cert																							
NCS DC86314 Meas																							
NCS DC86314 Cert																							
NCS DC86314 Meas																							
NCS DC86314 Cert																							
NCS DC86314 Meas																							
NCS DC86314 Cert																							
NCS DC86314 Meas																							
NCS DC86314 Cert																							
NCS DC86314 Meas																							
NCS DC86314 Cert																							
NCS DC86314 Meas																							
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
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																							
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																							
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 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																							
588041 Orig																							
588041 Dup																							
588049 Orig	71.48	16.67	0.79	0.070	0.04	0.19	5.55	2.38	0.004	0.23	0.31	97.73	< 1	204	< 5	< 20	< 1	< 20	< 10	< 30	28	4	< 5
588049 Dup	72.07	16.32	0.76	0.069	0.04	0.19	5.39	2.34	0.004	0.24	0.31	97.73	< 1	208	< 5	< 20	< 1	< 20	< 10	< 30	27	3	< 5
588063 Orig																							
588063 Dup																							
588066 Orig	73.82	15.99	0.68	0.056	0.24	0.32	4.41	3.15	0.004	0.30	0.86	99.83	< 1	193	< 5	< 20	< 1	< 20	< 10	< 30	29	3	< 5
588066 Dup	74.05	15.94	0.69	0.055	0.23	0.32	4.40	3.17	0.004	0.31	0.86	100.0	< 1	189	< 5	< 20	< 1	< 20	< 10	< 30	29	3	< 5
588071 Orig																							
588071 Dup																							
588084 Orig	77.46	12.63	0.94	0.214	0.15	0.39	3.93	2.69	0.003	0.84	0.72	99.96	< 1	285	< 5	< 20	< 1	< 20	< 10	110	25	3	< 5
588084 Split PREP DUP	77.48	12.54	0.92	0.214	0.14	0.45	4.10	2.61	0.003	0.80	0.73	99.97	< 1	287	< 5	< 20	< 1	< 20	< 10	110	25	3	< 5
588085 Orig																							
588085 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
588093 Orig																							
588093 Dup																							
588097 Orig	70.56	16.25	1.45	0.069	0.43	1.26	5.93	2.15	0.085	0.74	1.34	100.3	2	102	15	30	3	< 20	20	< 30	31	3	< 5
588097 Dup	70.73	16.36	1.42	0.069	0.43	1.27	5.92	2.15	0.084	0.75	1.34	100.5	2	102	16	30	3	< 20	20	< 30	31	3	< 5
588107 Orig																							
588107 Dup																							
588114 Orig	64.76	13.26	7.22	0.105	4.09	2.58	1.93	2.63	0.644	0.16	2.69	100.1	17	3	128	240	25	70	10	70	19	2	< 5
588114 Dup	64.56	13.70	7.30	0.107	4.05	2.58	1.92	2.63	0.647	0.18	2.69	100.4	17	3	129	240	25	70	10	70	18	2	< 5
588115 Orig																							
588115 Dup																							
588129 Orig																							
588129 Dup																							
588134 Orig	88.18	6.01	0.58	0.016	0.08	0.16	2.01	1.39	0.002	0.08	0.42	98.92	< 1	76	< 5	50	< 1	< 20	< 10	< 30	11	3	< 5
588134 Split PREP DUP	88.82	6.18	0.55	0.016	0.07	0.15	2.00	1.38	0.002	0.07	0.39	99.63	< 1	69	< 5	50	< 1	< 20	< 10	< 30	11	2	< 5
588137 Orig																							
588137 Dup																							
588145 Orig	71.79	20.06	0.72	0.084	0.09	0.15	1.77	0.48	0.004	0.07	0.41	95.62	< 1	11	< 5	30	< 1	< 20	10	70	47	5	< 5
588145 Dup	70.42	20.77	0.75	0.084	0.10	0.15	1.79	0.49	0.004	0.08	0.41	95.04	< 1	10	< 5	30	< 1	< 20	< 10	60	46	5	< 5
588151 Orig																							
588151 Dup																							
588159 Orig																							
588159 Dup																							
588162 Orig	72.63	14.64	0.87	0.226	0.05	0.39	2.63	5.22	0.005	0.88	1.12	98.67	< 1	199	< 5	< 20	< 1	< 20	< 10	40	37	3	< 5
588162 Dup	72.34	15.07	0.87	0.224	0.05	0.40	2.66	5.22	0.005	0.92	1.12	98.87	< 1	189	< 5	< 20	< 1	< 20	< 10	50	36	3	< 5
588173 Orig																							
588173 Dup																							
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	0.004	< 0.01			< 1	< 1	< 5								
Method Blank	< 0.01	< 0.01	0.02	0.002	0.01	0.01	0.01	< 0.01	0.004	< 0.01			< 1	< 1	< 5								
Method Blank	< 0.01	0.01	0.01	0.002	< 0.01	0.02	0.01	< 0.01	0.006	< 0.01			< 1	< 1	< 5								
Method Blank																							
Method Blank																							
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	
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-Na2O2	FUS-Na2O2	
NIST 694 Meas																							
NIST 694 Cert																							
DNC-1 Meas		145	19	40						0.9		108											
DNC-1 Cert		144.0	18.0	38						0.96		118											
LKSD-3 Meas	77					< 2	2.8				2.2			4.9	0.7					10.7	4.4		
LKSD-3 Cert	78.0					2.00	2.70				2.30			4.80	0.700					11.4	4.60		
TDB-1 Meas	21																					2.6	
TDB-1 Cert	23																					2.7	
W-2a Meas	20	195	22	75	8	< 2						166	< 0.4		0.5	< 1	0.1			2.3	0.6		
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		1180	116	545								331											
SY-4 Cert		1191	119	517								340											
CTA-AC-1 Meas																					23.8	4.3	
CTA-AC-1 Cert																					21.8	4.4	
BIR-1a Meas		113	18	13						0.6		7		0.5									
BIR-1a Cert		110	16	18						0.58		6		0.60									
NCS DC86312 Meas																						25.6	
NCS DC86312 Cert																						23.6	
NCS DC70009 (GBW07241) Meas	538							1.0	1650	3.3	40.3					2100						30.9	
NCS DC70009 (GBW07241) Cert	500							1.3	1700	3.1	41					2200						28.3	
OREAS 100a (Fusion) Meas						24															52.0	141	
OREAS 100a (Fusion) Cert						24.1															51.6	135	
OREAS 101a (Fusion) Meas						21															35.2	427	
OREAS 101a (Fusion) Cert						21.9															36.6	422	
OREAS 101b (Fusion) Meas						20															38.0	420	
OREAS 101b (Fusion) Cert						21															37.1	396	
JR-1 Meas	265				16	3		< 0.2	3		19.1		0.5	4.4	1.8		1.6	21	27.2	9.4			
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																						0.22	0.47
NCS DC86303 Cert																						0.21	0.460
NCS DC86303																						0.21	0.46



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-Na2O2	FUS-Na2O2		
NCS DC86304 Meas																						1.08	2.33	
NCS DC86304 Cert																							1.06	2.29
NCS DC86304 Meas																							1.08	2.33
NCS DC86304 Cert																							1.06	2.29
NCS DC86304 Meas																							1.08	2.32
NCS DC86304 Cert																							1.06	2.29
NCS DC86314 Meas																							1.81	3.89
NCS DC86314 Cert																							1.81	3.89
NCS DC86314 Meas																							1.77	3.82
NCS DC86314 Cert																							1.81	3.89
NCS DC86314 Meas																							1.82	3.92
NCS DC86314 Cert																							1.81	3.89
NCS DC86314 Meas																							1.79	3.86
NCS DC86314 Cert																							1.81	3.89
NCS DC86314 Meas																							1.79	3.86
NCS DC86314 Cert																							1.81	3.89
NCS DC86314 Meas																							1.77	3.81
NCS DC86314 Cert																							1.81	3.89
NCS DC86314 Meas																							1.77	3.82
NCS DC86314 Cert																							1.81	3.89
NCS DC86314 Meas																							1.78	3.84
NCS DC86314 Cert																							1.81	3.89
Lithium Tetraborate FX-LT 100 lot#220610B																							8.21	

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-Na2O2	FUS-Na2O2	
Meas																							
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																						8.14	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.10	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.10	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.10	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.14	

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-Na2O2	FUS-Na2O2	
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																						8.12	
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	
588041 Orig																						0.02	0.03
588041 Dup																						0.02	0.03
588049 Orig	562	27	< 2	< 4	15	< 2	< 0.5	< 0.2	32	< 0.5	26.7	19	3.7	0.4	21.3	< 1	4.4	12	0.8	3.2	0.52	1.13	
588049 Dup	570	27	< 2	4	22	< 2	< 0.5	< 0.2	35	< 0.5	26.5	18	3.1	0.4	26.0	1	4.0	11	0.8	3.5	0.53	1.14	
588063 Orig																						0.09	0.20
588063 Dup																						0.09	0.20
588066 Orig	807	27	3	11	53	< 2	< 0.5	< 0.2	65	< 0.5	53.9	76	0.5	1.1	34.2	< 1	6.2	12	0.8	5.3			
588066 Dup	810	27	4	11	56	< 2	< 0.5	< 0.2	64	< 0.5	53.8	76	0.5	1.2	39.0	< 1	5.7	12	0.8	5.3			
588071 Orig																						0.33	0.70
588071 Dup																						0.33	0.71
588084 Orig	666	38	< 2	32	14	< 2	< 0.5	< 0.2	48	< 0.5	44.9	34	< 0.4	2.9	9.3	< 1	4.3	19	0.7	20.0			
588084 Split PREP DUP	664	40	< 2	44	21	< 2	< 0.5	< 0.2	63	< 0.5	47.0	32	< 0.4	4.8	11.0	3	4.1	19	0.8	22.1	0.15	0.32	
588085 Orig																						0.59	1.27
588085 Dup																						0.61	1.30
588093 Orig																						0.02	0.04
588093 Dup																						0.02	0.04
588097 Orig	735	97	5	46	43	< 2	< 0.5	< 0.2	106	< 0.5	58.9	118	0.6	3.5	58.4	6	4.3	8	1.9	7.6			



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-Na2O2	FUS-Na2O2
588097 Dup	736	94	4	46	44	< 2	< 0.5	< 0.2	106	< 0.5	59.6	118	0.5	3.3	59.7	6	4.3	8	1.9	7.6		
588107 Orig																					1.23	2.65
588107 Dup																					1.21	2.61
588114 Orig	295	198	17	195	6	< 2	0.7	< 0.2	3	< 0.5	157	1070	0.4	5.0	0.6	< 1	2.1	9	10.3	4.4		
588114 Dup	294	193	17	197	6	< 2	0.8	< 0.2	3	< 0.5	156	1072	0.4	4.8	0.6	< 1	2.0	10	10.3	4.3		
588115 Orig																					< 0.01	< 0.01
588115 Dup																					< 0.01	< 0.01
588129 Orig																					0.14	0.31
588129 Dup																					0.14	0.30
588134 Orig	325	16	6	6	14	3	< 0.5	< 0.2	20	< 0.5	20.6	66	< 0.4	0.4	10.5	< 1	2.6	< 5	0.2	1.1	0.02	0.04
588134 Split PREP DUP	322	17	2	5	13	6	< 0.5	< 0.2	20	< 0.5	19.8	66	< 0.4	0.4	11.7	< 1	2.9	< 5	0.1	1.2	0.02	0.04
588137 Orig																					0.11	0.23
588137 Dup																					0.11	0.23
588145 Orig	116	24	< 2	< 4	6	< 2	< 0.5	< 0.2	157	< 0.5	21.0	40	< 0.4	0.9	14.0	< 1	1.1	< 5	1.8	0.6		
588145 Dup	116	24	< 2	< 4	5	< 2	< 0.5	< 0.2	155	< 0.5	20.8	40	< 0.4	0.9	10.7	< 1	0.8	< 5	1.7	0.7		
588151 Orig																					0.13	0.28
588151 Dup																					0.13	0.28
588159 Orig																					< 0.01	< 0.01
588159 Dup																					< 0.01	0.01
588162 Orig	1490	46	< 2	15	15	< 2	< 0.5	< 0.2	84	< 0.5	69.7	21	< 0.4	1.4	14.3	< 1	11.2	11	0.4	6.4		
588162 Dup	1480	46	< 2	15	15	< 2	< 0.5	< 0.2	81	< 0.5	68.8	21	< 0.4	1.4	14.3	< 1	10.7	12	0.4	6.4		
588173 Orig																					0.03	0.06
588173 Dup																					0.03	0.06
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		< 2	< 2	< 4								< 3										
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: 09-Feb-18  
Invoice No.: A18-01502  
Invoice Date: 08-Mar-18  
Your Reference: Jackpot

Caracle Creek International  
1545 Maley Drive, Suite 2018  
Sudbury ON P3A 4R7  
Canada

ATTN: Scott Jobin-Bevans

## 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-Peroxide ICP Sodium Peroxide Fusion ICP

REPORT A18-01502

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 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

## Results

## Activation Laboratories Ltd.

Report: A18-01502

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
588179	76.72	15.72	0.97	0.064	0.07	0.20	2.49	1.46	0.005	0.14	0.43	98.28	< 1	199	< 5	30	< 1	< 20	< 10	30	36	4	< 5
588180	74.00	13.79	0.67	0.590	0.03	0.76	0.58	6.32	0.052	0.02	2.47	99.28	12	5	< 5	120	< 1	< 20	180	550	29	6	56
588181	76.26	15.37	0.67	0.041	0.06	0.20	4.40	1.13	0.002	0.16	0.48	98.77	< 1	172	< 5	40	< 1	< 20	< 10	< 30	30	4	< 5
588182	72.31	16.45	0.42	0.012	0.03	0.27	8.12	1.45	0.003	0.25	0.41	99.74	< 1	187	< 5	< 20	< 1	< 20	< 10	< 30	23	4	< 5
588183	71.58	16.70	0.42	0.015	0.05	0.41	7.05	2.37	0.011	0.34	0.69	99.64	< 1	157	< 5	< 20	< 1	< 20	< 10	< 30	25	4	< 5
588184	65.87	14.51	6.72	0.145	2.46	1.49	2.61	2.68	0.566	0.19	2.78	100.0	14	7	98	150	18	60	< 10	60	19	3	< 5
588185	65.07	14.90	6.79	0.112	2.78	2.13	2.94	1.90	0.580	0.13	3.00	100.3	15	3	106	140	17	60	20	60	16	2	< 5
588186	82.14	9.87	0.74	0.016	0.20	0.20	4.05	0.94	0.011	0.10	0.59	98.72	< 1	177	6	30	< 1	< 20	< 10	< 30	17	3	< 5
588187	76.55	12.56	1.32	0.031	0.30	0.54	2.34	3.34	0.025	0.33	1.32	98.66	< 1	53	8	40	1	< 20	10	< 30	26	3	< 5
588188	50.44	13.95	13.55	0.208	7.08	9.48	2.25	0.78	1.201	0.11	1.00	100.1	36	< 1	313	130	52	140	180	110	18	2	< 5
588189	50.02	14.27	13.11	0.222	6.70	9.28	2.55	0.50	1.222	0.13	1.43	99.42	37	4	321	130	50	110	180	100	19	2	< 5
588190	97.11	0.43	1.83	0.019	0.07	0.08	0.06	0.04	0.029	0.01	-0.09	99.58	< 1	< 1	6	< 20	< 1	< 20	< 10	< 30	1	< 1	< 5
588191	72.75	14.48	1.47	0.028	0.61	0.68	3.67	4.83	0.013	0.32	1.11	99.97	< 1	79	< 5	< 20	2	< 20	< 10	< 30	27	3	< 5
588192	73.08	15.45	1.29	0.022	0.35	0.63	6.06	1.88	0.003	0.28	0.88	99.92	< 1	136	< 5	20	2	< 20	< 10	< 30	25	3	< 5
588193	73.16	14.46	1.54	0.031	0.26	0.44	4.28	4.01	0.003	0.22	0.83	99.22	< 1	131	< 5	< 20	2	< 20	< 10	< 30	25	3	< 5
588194	74.22	14.73	1.13	0.040	0.16	0.41	3.99	4.47	0.003	0.39	0.64	100.2	< 1	149	< 5	30	2	< 20	40	110	25	4	< 5
588195	73.55	15.77	0.95	0.031	0.10	0.32	4.35	4.18	0.003	0.27	0.49	100.0	< 1	125	< 5	20	< 1	20	< 10	60	22	3	< 5
588196	73.05	15.16	0.83	0.029	0.10	0.28	4.18	4.04	0.002	0.24	0.50	98.42	< 1	124	< 5	30	< 1	< 20	10	80	25	4	< 5
588197	72.26	16.20	0.83	0.033	0.19	0.24	4.09	5.43	0.002	0.26	0.52	100.1	< 1	96	< 5	20	< 1	< 20	10	< 30	25	4	< 5
588198	75.02	14.97	0.83	0.049	0.12	0.23	4.34	2.06	0.003	0.24	0.57	98.43	< 1	524	< 5	40	< 1	< 20	< 10	40	29	4	< 5
588199	74.57	15.09	1.00	0.070	0.15	0.44	2.29	4.88	0.003	0.46	0.74	99.69	< 1	345	< 5	30	< 1	< 20	40	40	30	4	< 5
588200	73.66	13.85	0.68	0.595	0.04	0.77	0.58	6.28	0.053	0.02	2.26	98.78	12	5	< 5	120	< 1	< 20	170	560	29	7	50
588201	76.10	14.86	0.93	0.059	0.07	0.23	3.11	2.55	0.003	0.21	0.37	98.49	< 1	159	< 5	40	< 1	< 20	< 10	60	28	3	< 5
588202	74.33	15.92	1.01	0.043	0.08	0.20	3.88	2.77	0.003	0.17	0.37	98.77	< 1	140	< 5	30	1	< 20	50	< 30	31	4	< 5
588203	73.71	16.05	0.67	0.026	0.10	0.24	5.59	2.19	0.006	0.15	0.74	99.47	< 1	192	< 5	20	2	< 20	10	< 30	28	4	< 5
588204	64.88	15.06	6.88	0.093	3.05	1.43	3.28	1.08	0.526	0.29	2.42	98.99	14	15	101	140	19	60	< 10	60	18	2	< 5
588205	65.37	15.99	6.20	0.076	2.74	1.53	3.23	1.96	0.504	0.37	2.29	100.3	14	31	106	160	19	70	20	40	23	3	< 5
588206	66.01	14.40	7.00	0.074	2.89	0.77	3.12	2.57	0.583	0.13	2.76	100.3	14	4	112	180	20	60	30	50	19	2	< 5
588207	65.93	14.60	5.36	0.073	2.36	1.55	3.46	1.75	0.448	0.76	2.17	98.46	12	27	87	120	13	50	40	50	20	2	< 5
588208	76.28	14.58	0.52	0.010	0.03	0.25	7.25	0.73	0.005	0.09	0.51	100.3	< 1	72	< 5	20	< 1	< 20	20	< 30	20	3	< 5
588209	76.26	13.60	0.55	0.013	0.03	0.28	5.42	1.41	0.007	0.15	0.76	98.50	< 1	143	< 5	30	< 1	< 20	20	< 30	24	3	< 5
588210	96.16	0.47	1.81	0.019	0.03	0.02	0.09	0.08	0.022	< 0.01	0.00	98.69	< 1	< 1	< 5	< 20	< 1	< 20	< 10	< 30	1	1	< 5
588211	66.99	13.89	6.10	0.074	2.57	1.15	3.10	2.36	0.531	0.14	2.63	99.53	12	7	98	160	18	60	40	40	18	2	< 5
588212	67.26	14.06	6.11	0.071	2.62	1.26	3.25	2.07	0.540	0.11	2.82	100.2	13	6	101	160	19	60	40	40	16	1	< 5

## Results

## Activation Laboratories Ltd.

## Report: A18-01502

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-Na2O2	FUS-Na2O2
588179	525	42	< 2	7	18	< 2	< 0.5	< 0.2	85	< 0.5	55.6	36	0.5	1.1	12.0	1	3.6	7	0.4	2.0	1.18	2.54
588180	2120	24	14	73	58	5	2.2	0.3	12	15.0	63.1	86	47.7	5.7	10.6	110	13.3	483	23.9	45.7	0.28	0.60
588181	343	25	< 2	12	25	< 2	< 0.5	< 0.2	56	< 0.5	38.2	41	0.4	1.6	18.8	2	3.2	6	0.5	2.9	0.73	1.58
588182	390	33	3	26	27	< 2	< 0.5	< 0.2	28	< 0.5	23.8	41	< 0.4	2.5	40.4	27	3.1	13	1.6	7.4	< 0.01	< 0.01
588183	752	56	2	14	52	< 2	< 0.5	< 0.2	35	< 0.5	47.0	62	0.4	1.7	105	1	5.8	16	1.0	3.7	< 0.01	0.01
588184	646	276	13	176	9	< 2	< 0.5	< 0.2	17	< 0.5	121	567	< 0.4	3.9	5.3	2	5.5	10	8.2	4.8	0.13	0.29
588185	286	306	15	184	5	< 2	< 0.5	< 0.2	2	< 0.5	68.1	589	< 0.4	3.8	0.6	2	2.7	7	7.9	2.3	0.13	0.29
588186	245	32	2	9	170	< 2	< 0.5	< 0.2	33	< 0.5	10.4	59	< 0.4	1.1	234	2	1.7	7	0.4	5.4	< 0.01	< 0.01
588187	643	48	< 2	6	30	< 2	< 0.5	< 0.2	94	< 0.5	42.2	259	< 0.4	0.5	24.2	2	3.4	< 5	1.8	3.3	0.01	0.02
588188	40	178	21	75	5	< 2	< 0.5	< 0.2	< 1	< 0.5	7.4	172	< 0.4	2.2	0.3	< 1	0.7	< 5	1.1	0.3	0.01	0.03
588189	21	155	20	78	5	< 2	< 0.5	< 0.2	3	< 0.5	5.6	126	< 0.4	1.9	0.4	< 1	0.6	< 5	1.1	0.4	0.01	0.03
588190	< 2	3	4	44	< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	10	< 0.4	1.5	0.1	< 1	< 0.1	< 5	1.0	0.4	< 0.01	< 0.01
588191	713	114	< 2	6	16	< 2	< 0.5	< 0.2	48	< 0.5	15.8	547	< 0.4	0.6	8.9	< 1	3.4	7	0.2	2.9	0.02	0.05
588192	341	128	< 2	9	26	< 2	< 0.5	< 0.2	32	< 0.5	13.0	159	< 0.4	0.9	21.2	< 1	1.9	< 5	0.6	4.1	0.02	0.04
588193	791	114	< 2	< 4	25	< 2	< 0.5	< 0.2	54	< 0.5	31.8	395	0.4	0.4	15.7	< 1	4.9	10	0.4	5.2	0.02	0.05
588194	1110	68	< 2	< 4	26	< 2	< 0.5	< 0.2	51	< 0.5	43.1	366	0.6	0.6	19.2	< 1	7.6	18	0.5	6.0	0.13	0.28
588195	964	60	< 2	9	27	< 2	< 0.5	< 0.2	39	< 0.5	41.6	263	0.8	1.0	19.9	< 1	6.9	14	0.5	5.1	0.27	0.57
588196	1100	53	< 2	8	46	< 2	< 0.5	< 0.2	41	< 0.5	46.6	253	0.9	0.9	33.4	< 1	8.0	17	0.5	4.8	0.23	0.49
588197	1570	66	< 2	8	87	< 2	< 0.5	< 0.2	39	< 0.5	63.0	181	1.0	0.8	49.2	< 1	12.0	11	0.5	3.7	0.22	0.47
588198	585	29	< 2	7	88	< 2	< 0.5	< 0.2	59	< 0.5	44.5	92	< 0.4	1.0	51.8	1	4.5	9	0.7	8.8	0.40	0.86
588199	1300	46	< 2	4	46	4	< 0.5	< 0.2	66	< 0.5	69.6	102	1.3	0.5	19.2	< 1	9.6	19	0.7	15.0	0.41	0.89
588200	2140	24	15	77	71	5	2.4	0.3	13	15.2	63.1	86	48.1	6.2	10.4	114	13.9	456	24.6	44.6	0.28	0.60
588201	644	35	< 2	5	48	< 2	< 0.5	< 0.2	54	< 0.5	31.6	98	1.7	0.6	27.7	2	5.4	16	0.6	6.1	0.70	1.51
588202	746	44	< 2	9	47	< 2	< 0.5	< 0.2	71	< 0.5	27.7	92	1.2	1.1	29.8	1	5.8	20	1.3	14.1	0.67	1.44
588203	598	40	< 2	12	57	< 2	< 0.5	< 0.2	56	< 0.5	28.8	93	0.6	1.7	54.7	< 1	4.4	8	0.9	5.3	0.18	0.40
588204	162	223	12	120	7	< 2	< 0.5	< 0.2	33	< 0.5	40.3	235	< 0.4	2.8	3.2	1	1.4	11	6.5	3.7	0.08	0.16
588205	272	200	12	110	20	2	< 0.5	< 0.2	39	< 0.5	52.1	500	< 0.4	3.2	19.7	2	1.7	7	6.7	3.2	0.07	0.15
588206	202	177	12	193	6	< 2	< 0.5	< 0.2	6	< 0.5	15.7	479	0.5	4.6	0.7	4	1.3	11	9.0	3.2	0.06	0.13
588207	151	176	11	118	17	< 2	< 0.5	< 0.2	30	< 0.5	10.0	345	0.7	2.9	17.5	2	1.0	< 5	6.1	3.0	0.04	0.09
588208	158	31	< 2	6	12	< 2	< 0.5	< 0.2	31	< 0.5	6.3	20	< 0.4	0.8	9.2	< 1	0.9	< 5	0.5	1.8	< 0.01	< 0.01
588209	323	39	2	10	17	< 2	< 0.5	< 0.2	58	< 0.5	12.1	40	< 0.4	0.9	12.5	< 1	1.8	< 5	0.6	2.9	< 0.01	< 0.01
588210	3	< 2	3	46	< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	17	< 0.4	1.3	0.2	< 1	< 0.1	< 5	1.2	0.4	< 0.01	< 0.01
588211	197	301	11	148	8	< 2	< 0.5	< 0.2	12	< 0.5	13.1	482	0.8	3.7	3.8	3	1.0	< 5	7.7	3.0	0.05	0.10
588212	166	302	13	157	5	2	< 0.5	< 0.2	1	< 0.5	12.5	531	0.6	3.7	0.4	2	0.9	12	7.5	2.4	0.05	0.11

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	11.71	1.78	0.77	0.010	0.34	42.50	0.87	0.54	0.120	30.19					1599									
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	47.88	18.45	9.92	0.150	9.97	11.53	1.93	0.22	0.480	0.07				31	154	290	54	250	100	60				
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	72.24	12.83	3.19	0.140	0.15	0.60	2.51	5.43	0.290	0.05				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	31	50	40	140			28	
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	51.96	15.33	10.92	0.170	6.41	11.15	2.25	0.62	1.090	0.13				36	< 1	274	90	45	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	51.22	20.72	6.19	0.110	0.51	8.16	6.93	1.66	0.290	0.12				1	3	7								
SY-4 Cert	49.9	20.69	6.21	0.108	0.54	8.05	7.10	1.66	0.267	0.131				1.1	2.6	8.0								
CTA-AC-1 Meas																				50				
CTA-AC-1 Cert																				54.0				
BIR-1a Meas	48.16	15.47	11.48	0.170	9.68	13.55	1.83	0.02	0.960	0.03				43	< 1	326	390	51	170	130	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 DC70009 (GBW07241) Meas																		4	960	90	16	11	67	
NCS DC70009 (GBW07241) Cert																		3.7	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		430					
OREAS 101b (Fusion) Meas																	47		430					
OREAS 101b (Fusion) Cert																	47		420					
JR-1 Meas																				< 20		17	17	
JR-1 Cert																				1.67		16.1	16.3	
NCS DC86303 Meas																								
NCS DC86303 Cert																								
NCS DC86303 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 DC86303 Cert																							
NCS DC86304 Meas																							
NCS DC86304 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																							
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																							
588185 Orig																							
588185 Dup																							
588193 Orig	72.84	14.47	1.53	0.031	0.26	0.44	4.30	4.01	0.003	0.22	0.83	98.93	<1	130	<5	<20	2	<20	<10	<30	25	3	<5
588193 Dup	73.48	14.44	1.54	0.031	0.26	0.43	4.27	4.01	0.003	0.22	0.83	99.51	<1	132	<5	20	2	<20	<10	<30	25	3	<5
588207 Orig																							
588207 Dup																							
588210 Orig	96.22	0.47	1.80	0.019	0.03	0.02	0.09	0.06	0.022	<0.01	0.00	98.75	<1	<1	<5	<20	1	<20	<10	40	1	1	<5
588210 Dup	96.09	0.47	1.82	0.019	0.03	0.02	0.09	0.06	0.022	<0.01	0.00	98.64	<1	<1	<5	<20	<1	<20	<10	<30	1	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	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	< 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																								
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-Na2O2	FUS-Na2O2	
NIST 694 Meas																							
NIST 694 Cert																							
DNC-1 Meas			144	16	36					1.0			111						7				
DNC-1 Cert			144.0	16.0	38					0.96			118						6.3				
GBW 07113 Meas			41	45	385								498										
GBW 07113 Cert			43.0	43.0	403								506										
LKSD-3 Meas	79						< 2	2.5			2.3			4.5	0.8					12.0	5.0		
LKSD-3 Cert	78.0						2.00	2.70			2.30			4.80	0.700					11.4	4.60		
TDB-1 Meas	21																				2.6		
TDB-1 Cert	23																				2.7		
W-2a Meas	20	194	19	91			< 2					174	< 0.4	2.4	0.5	< 1	0.2			2.2	0.6		
W-2a Cert	21.0	190	24.0	94.0			0.600					182	0.0300	2.60	0.500	0.300	0.200			2.40	0.530		
SY-4 Meas			1202	117	545								347										
SY-4 Cert			1191	119	517								340										
CTA-AC-1 Meas																						4.4	
CTA-AC-1 Cert																						4.4	
BIR-1a Meas		108	14	15						0.6			7	0.6									
BIR-1a Cert		110	16	18						0.58			6	0.60									
NCS DC70009 (GBW07241) Meas	493								1.0	1610	3.3	38.2					2100	1.9					
NCS DC70009 (GBW07241) Cert	500								1.3	1700	3.1	41					2200	1.8					
OREAS 100a (Fusion) Meas						25															54.5	140	
OREAS 100a (Fusion) Cert						24.1															51.6	135	
OREAS 101a (Fusion) Meas						21															38.0	458	
OREAS 101a (Fusion) Cert						21.9															36.6	422	
OREAS 101b (Fusion) Meas						21															36.9	401	
OREAS 101b (Fusion) Cert						21															37.1	396	
JR-1 Meas	251				15	3		< 0.2	3		18.4		0.6	4.3	1.8				20	28.8	9.0		
JR-1 Cert	257				15.2	3.25		0.028	2.86		20.8		0.56	4.51	1.86				19.3	26.7	8.88		
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

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Ti	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-Na2O2	FUS-Na2O2	
Cert																							
NCS DC86304 Meas																						1.06	2.28
NCS DC86304 Cert																						1.06	2.29
NCS DC86304 Meas																						1.06	2.28
NCS DC86304 Cert																						1.06	2.29
NCS DC86314 Meas																						1.75	3.77
NCS DC86314 Cert																						1.81	3.89
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.20	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.01	
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	
588185 Orig																						0.13	0.29
588185 Dup																						0.13	0.29
588193 Orig	786	114	< 2	< 4	24	< 2	< 0.5	< 0.2	53	< 0.5	31.8	396	0.4	0.4	16.2	< 1	4.7	12	0.4	5.2	0.02	0.05	
588193 Dup	795	114	< 2	< 4	25	< 2	< 0.5	< 0.2	55	< 0.5	31.8	394	0.4	0.4	15.2	< 1	5.2	8	0.4	5.2	0.02	0.05	
588207 Orig																						0.04	0.09
588207 Dup																						0.04	0.09
588210 Orig	3	< 2	3	46	< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	17	< 0.4	1.4	0.2	< 1	< 0.1	< 5	1.2	0.4			
588210 Dup	3	< 2	3	46	< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	17	< 0.4	1.3	0.1	< 1	< 0.1	< 5	1.1	0.4			
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																						< 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
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-Na2O2	FUS-Na2O2
Method Blank																					< 0.01	< 0.01



Date Submitted: 14-Mar-18  
Invoice No.: A18-03203  
Invoice Date: 23-Mar-18  
Your Reference: Jackpot (ILI)

Caracle Creek International  
1545 Maley Drive, Suite 2018  
Sudbury ON P3A 4R7  
Canada

ATTN: Scott Jobin-Bevans

## CERTIFICATE OF ANALYSIS

117 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-Peroxide ICP Sodium Peroxide Fusion ICP

REPORT A18-03203

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 Esemé". The signature is written in a cursive, somewhat stylized font.

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](mailto:Ancaster@actlabs.com) ACTLABS GROUP WEBSITE [www.actlabs.com](http://www.actlabs.com)

Results

Activation Laboratories Ltd.

Report: A18-03203

Analyte Symbol	Li	Li2O	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	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
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-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
588237	0.08	0.18	53.23	15.50	9.66	0.120	5.32	7.54	3.15	1.82	1.636	0.29	1.58	99.84	15	2	143	120	30	90	40	130	22
588238	0.09	0.19	53.21	15.64	9.51	0.125	5.17	7.34	3.14	1.88	1.722	0.30	1.51	99.54	15	11	137	110	30	70	60	120	21
588239	0.01	0.03	76.35	12.76	1.22	0.041	0.21	0.79	5.51	1.32	0.065	0.43	0.66	99.35	< 1	200	16	20	2	< 20	< 10	210	20
588240	0.27	0.58	73.23	13.72	0.69	0.609	0.06	0.74	0.61	6.33	0.054	< 0.01	2.13	99.15	12	5	< 5	110	< 1	< 20	160	530	27
588241	0.48	1.02	72.73	16.94	1.02	0.061	0.13	0.24	4.40	2.83	0.005	0.22	0.64	99.22	< 1	61	< 5	< 20	< 1	< 20	< 10	< 30	33
588242	0.09	0.18	72.27	15.45	1.70	0.094	0.52	1.01	4.07	2.73	0.097	0.95	1.40	100.3	3	71	23	50	4	< 20	< 10	100	39
588243	0.14	0.30	63.64	15.98	5.93	0.172	2.71	2.11	3.39	2.90	0.520	0.57	1.78	99.69	15	30	101	160	21	70	< 10	150	29
588244	< 0.01	0.02	73.31	15.22	0.83	0.022	0.13	0.81	6.63	1.00	0.028	0.24	0.75	98.97	< 1	178	13	< 20	1	< 20	< 10	< 30	24
588245	0.09	0.20	65.01	15.23	6.55	0.113	3.03	2.50	3.21	2.52	0.572	0.17	1.35	100.3	15	6	113	180	24	80	50	130	20
588246	0.09	0.19	62.86	15.51	7.12	0.103	3.25	2.64	3.31	2.61	0.622	0.15	1.42	99.60	19	2	142	190	28	90	50	270	21
588247	0.01	0.02	53.88	14.30	11.61	0.155	6.11	8.22	2.43	0.89	1.031	0.12	1.85	100.6	32	2	275	150	46	100	200	100	19
588248	0.01	0.02	71.91	15.87	2.50	0.036	1.12	1.64	3.60	1.71	0.134	0.41	1.00	99.94	3	159	29	60	6	< 20	20	90	28
588249	0.02	0.05	65.45	13.80	7.62	0.123	3.94	1.84	2.68	2.25	0.571	0.15	1.63	100.1	15	4	116	220	26	70	120	310	18
588298	0.02	0.05	66.43	14.24	6.31	0.065	3.37	1.38	4.19	1.10	0.498	0.13	2.37	100.1	13	5	98	200	21	70	60	40	18
588299	< 0.01	< 0.01	71.91	16.09	1.25	0.040	0.59	0.89	5.97	1.37	0.067	0.44	1.15	99.77	2	165	19	40	4	< 20	10	< 30	29
588300	0.27	0.59	73.74	13.56	0.67	0.584	0.04	0.76	0.58	6.10	0.049	0.01	2.08	98.18	12	5	< 5	120	< 1	< 20	170	550	29
588301	0.02	0.05	61.60	13.76	8.85	0.104	4.24	3.31	3.94	0.99	1.062	0.18	2.56	100.6	21	5	182	170	30	70	40	60	18
588302	0.03	0.05	62.38	15.26	7.11	0.061	3.70	2.15	4.48	0.86	0.554	0.16	3.98	100.7	15	6	115	170	21	70	30	< 30	19
588303	0.02	0.03	70.54	13.92	3.06	0.028	2.11	1.32	3.23	1.98	0.216	0.19	2.70	99.30	7	286	50	80	10	30	20	< 30	25
588304	0.02	0.05	63.62	15.64	6.09	0.045	4.04	0.90	5.18	0.90	0.581	0.14	2.80	99.93	16	8	125	180	23	70	20	< 30	21
588305	0.05	0.10	61.31	14.66	7.51	0.057	3.97	2.40	2.95	1.81	0.568	0.14	4.73	100.1	16	8	125	170	26	80	20	< 30	24
588306	0.03	0.07	64.52	13.22	5.27	0.040	3.23	3.39	3.23	1.80	0.447	0.21	4.65	99.82	13	9	97	140	18	60	< 10	< 30	24
588307	< 0.01	0.01	75.27	13.15	0.99	0.015	0.44	0.89	5.66	1.64	0.040	0.26	0.99	99.36	1	28	9	30	2	< 20	< 10	< 30	22
588308	< 0.01	0.01	79.46	10.73	0.89	0.018	0.28	0.55	3.80	1.83	0.004	0.34	0.75	98.65	< 1	126	< 5	40	1	< 20	< 10	< 30	23
588309	< 0.01	< 0.01	74.63	14.55	0.60	0.013	0.20	0.33	5.29	3.37	0.002	0.29	0.55	99.82	< 1	102	< 5	30	1	< 20	< 10	< 30	24
588310	< 0.01	< 0.01	97.60	0.35	1.90	0.020	0.03	0.02	0.05	0.04	0.021	< 0.01	-0.23	99.81	< 1	< 1	< 5	< 20	1	< 20	< 10	< 30	1
588311	< 0.01	0.01	73.17	16.33	1.01	0.018	0.46	0.34	5.24	2.33	0.004	0.23	1.29	100.4	< 1	169	< 5	30	2	< 20	10	< 30	36
588312	< 0.01	0.01	71.75	15.86	1.10	0.014	0.44	0.36	3.46	5.73	0.003	0.28	1.16	100.2	< 1	145	< 5	30	6	< 20	< 10	< 30	31
588313	0.01	0.03	56.69	14.45	9.13	0.139	5.43	5.41	2.66	2.70	0.829	0.20	2.42	100.1	27	38	234	110	38	80	140	60	22
588314	< 0.01	< 0.01	74.36	14.62	0.79	0.015	0.19	0.54	5.13	3.47	0.005	0.37	0.66	100.2	< 1	81	< 5	20	2	< 20	< 10	< 30	27
588315	< 0.01	< 0.01	75.00	14.08	0.96	0.015	0.23	0.44	4.51	3.51	0.003	0.30	0.77	99.80	< 1	151	< 5	30	2	< 20	< 10	< 30	28
588316	< 0.01	< 0.01	74.08	14.51	0.91	0.015	0.19	0.49	4.52	3.91	0.003	0.37	0.72	99.72	< 1	120	< 5	30	3	< 20	< 10	< 30	27
588317	< 0.01	< 0.01	73.72	14.89	0.82	0.011	0.17	0.44	5.16	4.50	0.002	0.26	0.46	100.2	< 1	71	< 5	30	3	< 20	< 10	< 30	21
588318	< 0.01	0.02	73.55	14.17	1.59	0.016	0.54	0.40	3.48	4.91	0.003	0.19	0.91	99.76	< 1	104	< 5	40	7	< 20	10	< 30	25
588319	0.01	0.03	50.74	13.72	13.18	0.194	6.81	9.45	2.36	0.56	1.168	0.13	1.49	99.80	38	4	324	140	48	100	190	90	20
588320	0.27	0.59	75.56	12.97	0.67	0.582	0.05	0.77	0.57	6.19	0.049	0.02	1.85	99.30	12	5	< 5	130	< 1	< 20	170	540	30
588321	< 0.01	0.02	51.04	13.46	14.08	0.204	7.07	9.72	2.34	0.59	1.187	0.12	1.05	100.9	39	1	339	140	50	90	190	100	20
588322	< 0.01	0.02	50.44	13.58	13.35	0.190	7.11	9.66	2.24	0.80	1.136	0.11	1.00	99.61	37	< 1	321	140	53	120	170	110	20
588323	< 0.01	0.02	50.07	13.41	13.45	0.192	6.84	9.60	2.25	0.66	1.156	0.12	0.96	98.71	37	2	325	140	51	110	180	120	19
588324	< 0.01	0.02	67.64	16.03	2.86	0.034	1.43	1.52	6.19	2.50	0.127	0.18	0.63	99.14	4	191	36	30	10	< 20	30	< 30	27
588325	0.01	0.03	51.61	14.03	12.76	0.181	6.41	9.27	2.57	0.83	1.067	0.13	1.01	99.87	35	8	308	130	47	100	210	100	21



## Results

## Activation Laboratories Ltd.

Report: A18-03203

Analyte Symbol	Li	Li2O	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	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
Method Code	FUS- Na2O2	FUS- Na2O2	FUS- 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
588326	< 0.01	< 0.01	70.78	15.07	0.81	0.013	0.11	0.70	4.49	6.61	0.004	0.45	0.41	99.45	< 1	92	< 5	20	5	< 20	30	< 30	19
588327	< 0.01	< 0.01	71.17	16.00	0.62	0.009	0.03	0.48	6.61	4.12	0.002	0.30	0.26	99.60	< 1	181	< 5	20	2	< 20	< 10	< 30	21
588328	< 0.01	< 0.01	74.25	15.08	0.72	0.010	0.04	0.47	7.32	1.98	0.002	0.27	0.25	100.4	< 1	165	< 5	20	1	< 20	< 10	< 30	22
588329	< 0.01	< 0.01	75.03	14.93	0.70	0.011	0.05	0.41	7.16	1.60	0.003	0.25	0.35	100.5	< 1	235	< 5	40	1	< 20	20	< 30	24
588330	< 0.01	< 0.01	97.66	0.39	1.55	0.018	0.07	0.03	0.06	0.09	0.020	< 0.01	-0.21	99.62	< 1	< 1	10	< 20	< 1	< 20	< 10	< 30	< 1
588331	< 0.01	< 0.01	74.34	14.96	0.66	0.011	0.07	0.43	6.49	2.74	0.003	0.29	0.37	100.4	< 1	192	< 5	30	3	< 20	70	< 30	24
588332	< 0.01	< 0.01	76.06	14.53	0.56	0.011	0.04	0.33	6.27	2.09	0.003	0.22	0.40	100.5	< 1	345	< 5	30	< 1	< 20	20	< 30	23
588333	< 0.01	< 0.01	71.70	16.01	0.75	0.020	0.09	0.46	7.43	1.77	0.012	0.20	0.36	98.80	< 1	352	< 5	30	1	< 20	20	< 30	24
588334	< 0.01	< 0.01	71.75	16.19	0.61	0.016	0.03	0.45	7.88	0.95	0.004	0.31	0.45	98.65	< 1	150	12	30	1	< 20	10	< 30	26
588335	0.03	0.07	65.01	13.60	6.33	0.044	3.25	1.31	5.11	0.55	0.563	0.66	2.32	98.75	16	17	113	170	27	50	70	< 30	20
588336	0.03	0.07	67.70	13.50	5.52	0.040	2.79	1.65	4.85	0.79	0.486	0.89	2.02	100.2	14	14	106	130	17	40	70	< 30	18
588337	0.03	0.07	63.35	14.46	7.55	0.053	4.05	1.13	3.76	1.21	0.600	0.26	2.54	98.97	16	6	124	170	27	60	90	30	18
588338	0.03	0.07	63.40	14.90	7.87	0.087	3.42	1.62	3.59	1.36	0.661	0.11	2.16	99.17	17	2	126	190	24	70	50	60	17
588339	0.03	0.06	64.35	14.09	6.94	0.092	2.91	1.76	3.90	1.43	0.582	0.12	2.44	98.61	15	7	117	160	20	60	50	160	17
588340	0.28	0.61	73.37	13.65	0.67	0.598	0.06	0.73	0.64	6.27	0.057	< 0.01	1.98	97.97	11	5	< 5	110	< 1	< 20	160	560	26
588341	0.01	0.03	68.83	15.31	3.83	0.079	1.47	1.50	5.42	0.93	0.273	0.58	1.47	99.69	7	52	65	90	10	30	30	40	24
588342	< 0.01	0.01	70.71	16.53	1.33	0.023	0.42	0.94	7.43	1.10	0.078	0.30	0.98	99.84	3	106	18	40	4	< 20	20	< 30	25
588343	0.03	0.06	64.86	14.59	7.11	0.081	3.20	1.15	3.98	1.17	0.578	0.20	2.43	99.35	15	24	111	160	20	60	60	40	18
588344	0.02	0.05	64.58	14.80	7.00	0.086	3.04	1.51	4.10	1.16	0.597	0.29	2.35	99.51	16	10	113	170	21	60	50	40	19
588345	< 0.01	0.01	70.47	16.33	0.77	0.018	0.21	1.39	7.82	0.88	0.025	0.36	1.07	99.34	< 1	89	6	30	2	< 20	< 10	< 30	21
588346	0.03	0.06	63.85	14.48	7.14	0.084	2.99	1.81	4.00	1.48	0.593	0.08	2.13	98.63	15	4	117	160	21	60	50	80	17
588347	0.02	0.05	65.61	14.09	6.35	0.079	2.70	1.91	3.78	1.66	0.556	0.09	1.82	98.65	14	1	108	150	20	60	50	90	16
588348	0.09	0.19	61.22	12.87	7.82	0.111	5.99	3.96	2.63	1.72	0.590	0.14	2.28	99.34	18	5	122	320	29	110	40	110	15
588349	0.13	0.29	62.77	15.49	7.65	0.115	3.66	1.48	2.79	2.63	0.641	0.12	2.46	99.81	17	6	126	170	22	70	10	70	19
588350	< 0.01	< 0.01	95.31	0.45	2.98	0.031	0.07	0.03	0.12	0.04	0.021	< 0.01	-0.40	98.64	< 1	< 1	12	20	2	< 20	< 10	< 30	< 1
588351	0.67	1.45	71.13	16.93	1.16	0.093	0.10	0.27	4.25	2.23	0.011	0.24	0.71	97.12	< 1	170	< 5	< 20	< 1	< 20	< 10	< 30	36
588352	0.59	1.26	71.89	16.02	1.19	0.157	0.09	0.19	3.67	3.47	0.004	0.45	0.59	97.53	< 1	149	< 5	20	< 1	< 20	< 10	50	32
588353	0.60	1.28	68.67	17.81	0.92	0.069	0.07	0.15	2.82	7.27	0.003	0.31	0.29	98.38	< 1	73	< 5	< 20	< 1	< 20	< 10	170	28
588354	0.15	0.31	66.60	17.71	0.86	0.085	0.06	0.21	3.02	9.33	0.002	0.49	0.48	98.85	< 1	56	< 5	< 20	< 1	< 20	< 10	50	23
588355	0.03	0.07	65.89	18.09	0.67	0.123	0.04	0.30	3.05	11.05	0.001	0.69	0.15	100.1	< 1	20	< 5	< 20	< 1	< 20	< 10	< 30	18
588356	0.04	0.08	68.25	16.10	0.68	0.131	0.05	0.27	2.38	10.99	0.001	0.72	0.26	99.84	< 1	241	6	< 20	< 1	< 20	< 10	< 30	15
588357	0.34	0.72	72.10	14.26	1.99	0.506	0.08	0.73	2.56	2.91	0.005	1.67	1.07	97.87	< 1	236	< 5	30	< 1	< 20	< 10	70	39
588358	0.59	1.28	72.48	15.87	1.49	0.173	0.12	0.37	4.00	2.47	0.005	0.59	0.64	98.21	< 1	144	< 5	30	< 1	< 20	< 10	90	31
588359	0.26	0.55	70.62	16.14	1.11	0.117	0.06	0.45	4.43	3.97	0.004	0.60	0.64	98.15	< 1	263	< 5	20	< 1	< 20	< 10	150	34
588360	0.28	0.60	73.68	13.81	0.70	0.606	0.04	0.75	0.58	6.26	0.055	< 0.01	1.95	98.44	12	5	< 5	120	< 1	< 20	170	570	30
588361	0.06	0.13	72.58	14.80	0.73	0.045	0.05	0.37	4.91	4.50	0.002	0.38	0.29	98.65	< 1	86	< 5	20	< 1	< 20	< 10	< 30	23
588362	0.50	1.07	72.00	16.44	1.17	0.076	0.12	0.30	4.35	2.79	0.003	0.26	0.59	98.10	< 1	167	< 5	30	< 1	< 20	< 10	50	30
588363	0.43	0.92	74.05	14.91	0.99	0.084	0.14	0.32	4.71	1.93	0.003	0.30	0.46	97.89	< 1	220	< 5	50	< 1	< 20	< 10	< 30	25
588364	0.54	1.15	74.19	15.62	1.17	0.098	0.13	0.22	5.07	1.04	0.003	0.27	0.41	98.22	< 1	271	< 5	30	< 1	< 20	< 10	< 30	31
588365	0.02	0.04	71.89	16.57	0.64	0.028	0.07	0.29	6.33	2.61	0.003	0.20	0.57	99.21	< 1	101	< 5	20	< 1	< 20	< 10	< 30	27
588366	0.10	0.22	66.17	15.05	5.98	0.085	2.64	1.80	3.06	2.38	0.526	0.21	1.41	99.32	13	14	100	150	20	60	20	70	19

Results

Activation Laboratories Ltd.

Report: A18-03203

Analyte Symbol	Li	Li2O	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01	0.01	0.01	1	1	5	20	1	20	10	30	1
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-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
588367	0.10	0.21	65.34	15.13	6.87	0.084	2.86	2.26	2.80	2.41	0.590	0.09	1.63	100.1	15	2	115	160	23	60	60	70	18
588368	0.26	0.56	73.07	16.29	0.85	0.079	0.08	0.31	7.33	0.85	0.005	0.37	0.32	99.16	<1	212	<5	20	<1	<20	<10	<30	26
588369	0.26	0.56	74.85	16.37	0.80	0.030	0.16	0.24	5.61	1.28	0.003	0.16	0.66	100.2	<1	219	<5	30	<1	<20	<10	<30	28
588370	< 0.01	< 0.01	97.70	0.44	1.38	0.016	0.09	0.04	0.09	0.05	0.021	0.11	-0.13	99.80	2	2	<5	<20	<1	<20	<10	<30	<1
588371	0.02	0.04	72.11	17.25	0.50	0.034	0.05	0.33	7.10	1.24	0.004	0.29	0.72	99.63	<1	227	<5	20	<1	<20	<10	<30	31
588372	0.11	0.24	65.75	15.07	6.16	0.072	2.88	2.08	3.05	1.98	0.601	0.15	1.90	99.68	14	4	103	170	20	60	40	70	19
588373	0.11	0.23	64.79	15.55	6.22	0.068	2.87	2.35	3.19	1.91	0.612	0.12	1.23	98.91	15	1	107	160	21	60	40	80	20
588374	0.09	0.18	65.86	14.61	6.09	0.080	2.83	2.41	3.22	1.97	0.585	0.11	1.20	98.97	14	1	105	170	21	60	50	80	19
588375	0.08	0.16	66.47	13.84	6.03	0.093	2.70	2.40	2.72	1.77	0.561	0.51	1.85	98.95	13	6	100	170	20	50	50	80	20
588376	0.08	0.18	65.41	13.75	6.11	0.085	2.76	2.32	3.14	1.96	0.606	0.22	1.89	98.25	14	7	108	170	21	60	60	60	19
588377	0.01	0.02	69.28	17.72	0.77	0.020	0.14	0.89	5.63	2.25	0.026	0.22	1.59	98.54	<1	194	8	30	1	<20	<10	<30	39
588378	0.07	0.14	66.27	14.06	6.19	0.075	2.72	2.40	3.00	2.04	0.589	0.32	1.30	98.96	14	6	105	180	21	60	60	80	19
588379	0.07	0.15	63.77	14.46	8.33	0.080	3.08	2.29	3.07	2.25	0.600	0.13	1.62	99.67	15	4	111	170	22	60	80	80	19
588380	0.27	0.58	73.03	13.52	0.70	0.599	0.04	0.76	0.59	6.39	0.052	<0.01	2.27	97.97	12	5	<5	120	<1	<20	170	560	31
588381	0.09	0.19	62.16	15.75	7.00	0.088	3.26	1.84	3.25	2.53	0.592	0.14	1.42	98.03	15	5	108	190	22	60	60	50	18
588382	0.10	0.22	64.58	15.33	6.47	0.088	3.25	1.77	3.23	2.47	0.547	0.15	2.09	99.97	15	5	112	200	21	60	60	60	18
588383	0.06	0.14	71.67	16.10	0.61	0.059	0.06	0.22	5.73	3.52	0.007	0.25	0.71	98.94	<1	117	<5	40	<1	<20	<10	<30	29
588384	0.63	1.35	73.35	15.74	0.91	0.075	0.14	0.22	3.62	3.08	0.006	0.25	0.52	97.90	<1	146	10	40	<1	<20	<10	<30	31
588385	0.63	1.35	73.72	15.49	0.99	0.076	0.09	0.25	4.07	2.52	0.003	0.25	0.39	97.84	<1	168	<5	40	<1	<20	<10	<30	28
588386	0.36	0.78	72.64	15.54	0.79	0.043	0.17	0.31	3.91	3.94	0.003	0.20	0.68	98.24	1	170	<5	30	<1	<20	<10	<30	25
588387	0.50	1.08	72.39	17.03	0.84	0.074	0.17	0.23	5.40	2.09	0.004	0.19	0.73	99.15	1	133	<5	30	<1	<20	<10	450	31
588388	0.63	1.36	73.67	15.36	1.13	0.076	0.17	0.29	3.42	3.21	0.004	0.28	0.49	98.07	<1	160	12	50	<1	<20	<10	130	27
588389	0.45	0.97	73.51	15.29	0.80	0.051	0.14	0.24	3.55	3.88	0.003	0.22	0.51	98.20	<1	128	7	40	<1	<20	70	170	27
588390	< 0.01	< 0.01	97.50	0.51	0.71	0.009	0.06	0.03	0.08	0.01	0.028	<0.01	0.05	98.95	<1	<1	<5	<20	<1	<20	<10	<30	<1
588391	0.51	1.10	73.40	15.35	1.10	0.144	0.06	0.24	3.08	4.35	0.003	0.49	0.33	98.55	<1	163	<5	40	<1	<20	<10	30	24
588392	0.45	0.97	76.29	14.81	0.71	0.084	0.10	0.22	3.87	2.87	0.003	0.30	0.43	99.70	<1	259	5	<20	<1	<20	<10	<30	24
588393	0.51	1.10	73.69	15.95	0.90	0.083	0.12	0.27	4.49	2.52	0.006	0.27	0.47	98.78	<1	207	<5	<20	<1	<20	<10	40	28
588394	0.12	0.26	62.62	15.71	6.82	0.167	2.72	2.00	3.75	1.96	0.594	0.43	2.07	98.85	16	23	114	190	23	70	40	100	22
588395	0.30	0.66	74.75	14.71	0.84	0.070	0.12	0.33	4.58	1.94	0.005	0.27	0.57	98.18	<1	265	<5	<20	<1	<20	20	40	27
588396	0.31	0.66	74.31	15.00	0.78	0.069	0.13	0.34	4.89	1.89	0.003	0.27	0.61	98.29	<1	206	<5	<20	<1	<20	<10	<30	27
588397	0.09	0.19	68.44	15.17	3.04	0.153	1.11	1.80	2.62	3.05	0.243	1.15	2.16	98.93	8	97	41	80	8	30	<10	50	35
588398	0.11	0.24	62.72	16.02	7.42	0.109	3.01	2.07	2.78	2.98	0.615	0.32	1.87	99.91	16	16	116	200	23	70	40	90	22
588399	0.10	0.21	59.03	16.30	8.38	0.093	3.54	2.55	2.95	2.95	0.695	0.18	1.73	98.39	21	4	149	200	28	80	60	90	20
588400	0.27	0.59	73.77	13.60	0.69	0.606	0.04	0.75	0.58	6.29	0.054	<0.01	1.98	98.35	12	5	<5	120	<1	<20	170	550	30
588401	0.03	0.06	68.04	15.24	3.69	0.220	1.58	1.25	4.91	1.81	0.291	0.30	1.13	98.46	7	47	53	100	12	30	<10	50	22

Analyte Symbol	Ge	As	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	1	5	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	5	0.1
Method Code	FUS-MS	FUS-MS	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
588237	4	< 5	110	750	17	139	7	< 2	< 0.5	< 0.2	3	< 0.5	109	521	3.0	3.8	0.5	3	0.5	8	3.3	1.0
588238	4	< 5	195	777	18	136	8	< 2	0.6	< 0.2	15	< 0.5	172	486	2.1	3.7	0.8	4	1.3	11	2.8	1.1
588239	3	< 5	345	103	5	6	34	< 2	< 0.5	< 0.2	43	< 0.5	52.9	80	2.6	1.1	52.1	2	2.1	12	0.5	4.3
588240	6	49	2020	23	17	65	51	4	1.8	0.3	10	12.2	59.3	92	44.8	5.0	8.4	99	10.7	438	23.7	42.4
588241	4	< 5	739	46	< 2	7	32	< 2	< 0.5	< 0.2	54	< 0.5	61.4	45	0.6	0.8	37.3	2	6.1	25	1.2	16.2
588242	3	< 5	928	98	3	35	37	< 2	< 0.5	0.4	135	< 0.5	73.5	155	< 0.4	2.2	28.5	3	5.6	12	1.8	9.6
588243	3	< 5	1260	285	11	119	36	< 2	< 0.5	0.4	126	< 0.5	463	521	< 0.4	3.1	25.5	2	10.5	12	5.8	2.4
588244	3	< 5	226	86	3	15	16	< 2	< 0.5	< 0.2	30	< 0.5	12.9	78	< 0.4	1.3	28.9	< 1	2.1	8	0.6	4.8
588245	2	< 5	346	331	13	120	7	< 2	< 0.5	< 0.2	12	< 0.5	191	672	0.5	3.0	3.2	2	2.9	21	6.5	2.0
588246	2	< 5	153	346	14	137	6	3	< 0.5	< 0.2	2	< 0.5	95.9	785	< 0.4	3.4	0.5	< 1	1.4	22	7.2	2.1
588247	2	< 5	37	190	21	92	5	3	< 0.5	< 0.2	2	< 0.5	8.9	202	< 0.4	2.4	0.3	1	0.7	5	2.2	1.0
588248	3	< 5	84	251	4	37	72	4	< 0.5	< 0.2	9	< 0.5	7.0	323	1.7	1.9	66.3	< 1	0.3	27	1.7	6.0
588249	2	< 5	102	264	15	140	6	5	0.8	< 0.2	2	< 0.5	19.8	385	< 0.4	3.2	2.3	< 1	0.6	64	6.5	4.6
588298	2	< 5	66	213	11	131	5	3	< 0.5	< 0.2	4	< 0.5	28.2	227	< 0.4	3.0	0.9	< 1	0.5	7	7.7	2.4
588299	4	< 5	323	62	5	38	63	< 2	< 0.5	< 0.2	50	< 0.5	29.8	127	< 0.4	3.9	221	< 1	2.0	12	2.0	9.5
588300	7	54	2150	22	14	74	85	6	2.4	0.3	14	17.1	62.9	88	52.1	5.8	10.6	113	13.5	465	23.3	43.3
588301	2	< 5	81	209	18	168	10	< 2	0.8	< 0.2	5	< 0.5	28.6	258	0.4	4.1	1.5	< 1	1.8	8	6.4	1.9
588302	1	< 5	47	150	12	136	7	< 2	0.6	< 0.2	6	< 0.5	9.1	154	< 0.4	3.1	2.9	1	0.6	< 5	7.9	3.0
588303	2	< 5	383	75	7	49	53	6	< 0.5	< 0.2	46	< 0.5	20.6	121	1.0	1.9	82.0	1	2.1	7	3.1	5.7
588304	2	< 5	45	176	12	140	7	2	< 0.5	< 0.2	8	< 0.5	3.0	295	0.4	3.4	1.0	1	0.4	< 5	7.3	3.0
588305	2	< 5	195	102	10	136	7	< 2	< 0.5	< 0.2	19	< 0.5	16.5	232	0.7	3.4	1.2	3	0.7	< 5	6.9	5.6
588306	2	< 5	226	88	10	118	9	< 2	< 0.5	< 0.2	36	< 0.5	15.4	124	0.5	3.0	3.0	3	0.9	< 5	5.8	6.9
588307	3	< 5	320	57	3	11	17	< 2	< 0.5	< 0.2	39	< 0.5	18.7	75	< 0.4	0.6	15.0	< 1	1.8	< 5	0.8	2.8
588308	3	< 5	467	89	< 2	< 4	13	2	< 0.5	< 0.2	42	< 0.5	26.0	59	0.6	< 0.2	7.0	< 1	2.6	< 5	0.5	1.3
588309	3	< 5	806	45	< 2	15	16	< 2	< 0.5	< 0.2	35	< 0.5	41.0	61	< 0.4	1.6	13.8	< 1	5.6	10	0.6	2.3
588310	1	< 5	3	< 2	4	46	< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	12	< 0.4	1.4	0.2	< 1	0.4	< 5	1.4	0.5
588311	4	< 5	519	42	6	60	69	< 2	< 0.5	0.3	93	< 0.5	35.9	119	0.4	7.5	64.4	< 1	2.7	22	5.1	17.6
588312	3	< 5	1410	48	4	39	23	< 2	< 0.5	0.2	72	< 0.5	68.7	131	< 0.4	4.2	14.9	< 1	9.8	11	1.0	5.0
588313	2	< 5	546	122	15	63	8	2	< 0.5	< 0.2	17	< 0.5	32.1	159	0.6	2.2	3.9	< 1	4.7	6	0.9	1.3
588314	3	< 5	839	43	2	17	19	< 2	< 0.5	< 0.2	50	< 0.5	40.4	80	< 0.4	1.6	10.1	< 1	6.2	8	0.3	3.2
588315	3	< 5	660	58	2	13	24	< 2	< 0.5	< 0.2	57	< 0.5	29.6	279	< 0.4	1.3	15.7	< 1	4.4	8	0.5	8.0
588316	3	< 5	792	68	2	16	23	< 2	< 0.5	< 0.2	54	< 0.5	37.4	264	< 0.4	1.5	15.3	< 1	5.3	8	0.5	6.6
588317	3	< 5	785	70	< 2	10	21	< 2	< 0.5	< 0.2	26	< 0.5	30.1	486	< 0.4	0.6	14.2	< 1	5.5	7	0.5	3.2
588318	3	< 5	527	87	< 2	10	18	< 2	< 0.5	< 0.2	47	< 0.5	12.6	966	0.4	0.8	11.5	< 1	2.9	< 5	0.4	4.1
588319	2	< 5	31	140	22	83	5	< 2	< 0.5	< 0.2	2	< 0.5	5.9	137	0.4	2.3	0.4	1	0.5	< 5	1.2	0.4
588320	7	56	2170	23	14	78	68	5	2.2	0.3	13	15.1	63.2	88	54.1	6.5	11.0	106	13.4	469	23.9	46.3
588321	2	< 5	27	148	23	85	5	< 2	< 0.5	< 0.2	1	< 0.5	4.2	135	4.2	2.4	0.3	2	1.3	< 5	1.2	0.4
588322	2	< 5	36	181	21	82	4	< 2	< 0.5	< 0.2	1	< 0.5	4.5	186	< 0.4	2.2	0.3	< 1	0.6	< 5	1.1	0.4
588323	2	< 5	31	170	22	82	5	< 2	< 0.5	< 0.2	3	< 0.5	4.0	166	< 0.4	2.2	0.9	< 1	0.4	5	1.2	0.4
588324	2	< 5	280	95	3	15	34	< 2	< 0.5	< 0.2	29	< 0.5	7.9	293	0.5	0.9	28.5	< 1	1.4	7	0.6	5.2
588325	2	< 5	79	141	20	77	5	< 2	< 0.5	< 0.2	4	< 0.5	6.9	148	< 0.4	2.1	0.8	< 1	0.5	< 5	1.1	0.7

Analyte Symbol	Ga	As	Pb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	1	5	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 Code	FUS-MS	FUS-MS	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
588326	3	< 5	1120	87	< 2	8	61	< 2	< 0.5	< 0.2	9	< 0.5	45.1	414	< 0.4	0.7	90.7	< 1	6.7	9	0.3	3.5
588327	2	< 5	716	68	< 2	12	17	< 2	< 0.5	< 0.2	8	< 0.5	34.4	268	< 0.4	0.7	17.9	< 1	5.1	6	0.4	2.7
588328	3	< 5	348	59	< 2	7	30	< 2	< 0.5	< 0.2	11	< 0.5	12.1	140	< 0.4	0.6	27.8	< 1	2.5	5	0.5	4.1
588329	3	< 5	260	40	< 2	7	16	< 2	< 0.5	< 0.2	22	< 0.5	6.7	98	< 0.4	0.6	9.6	< 1	1.4	< 5	1.0	4.2
588330	< 1	< 5	< 2	< 2	3	32	< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	23	< 0.4	1.0	< 0.1	< 1	1.3	< 5	1.6	0.4
588331	3	< 5	519	44	< 2	9	32	< 2	< 0.5	< 0.2	25	< 0.5	17.6	126	0.8	1.0	31.1	< 1	3.0	7	1.1	3.8
588332	3	< 5	351	41	< 2	11	53	< 2	< 0.5	< 0.2	32	< 0.5	11.2	119	0.9	1.1	43.0	< 1	1.9	6	1.2	4.6
588333	3	< 5	393	33	3	< 4	21	< 2	< 0.5	< 0.2	28	< 0.5	15.0	45	0.7	0.6	15.6	1	2.7	6	0.8	3.7
588334	4	< 5	259	33	2	8	51	< 2	< 0.5	< 0.2	40	< 0.5	8.1	24	< 0.4	1.4	44.0	< 1	1.6	6	1.5	6.3
588335	1	< 5	49	163	11	101	10	< 2	< 0.5	< 0.2	31	< 0.5	4.4	122	0.7	2.5	3.1	3	0.6	< 5	6.3	3.3
588336	2	< 5	68	186	9	85	8	< 2	< 0.5	< 0.2	25	< 0.5	4.3	148	1.1	2.3	3.0	3	0.5	< 5	5.3	3.8
588337	1	< 5	78	204	13	104	5	6	< 0.5	< 0.2	9	< 0.5	21.1	208	0.9	2.7	1.2	4	0.3	< 5	6.0	1.8
588338	1	< 5	85	272	13	118	4	3	< 0.5	< 0.2	1	< 0.5	46.5	278	< 0.4	3.2	0.4	< 1	0.4	19	7.3	2.1
588339	1	< 5	99	273	12	107	4	< 2	< 0.5	< 0.2	6	< 0.5	23.8	377	< 0.4	2.7	2.6	< 1	0.5	29	6.4	1.9
588340	7	54	2000	22	16	76	54	5	2.0	0.4	12	12.3	60.1	92	51.6	6.5	8.9	99	10.3	444	24.1	44.8
588341	3	< 5	210	117	8	48	32	< 2	< 0.5	0.3	69	< 0.5	13.5	104	0.6	2.1	62.2	2	2.2	9	3.3	3.8
588342	3	< 5	253	79	6	24	34	< 2	< 0.5	0.3	99	< 0.5	13.9	85	< 0.4	2.6	50.5	1	1.9	9	1.6	5.4
588343	1	< 5	107	199	11	102	6	3	< 0.5	< 0.2	11	< 0.5	31.5	212	< 0.4	2.6	5.2	1	0.9	6	6.1	2.6
588344	1	< 5	81	198	12	112	7	< 2	< 0.5	< 0.2	34	< 0.5	14.7	210	< 0.4	2.9	3.7	< 1	0.5	7	6.5	2.4
588345	3	< 5	236	59	3	14	37	< 2	< 0.5	< 0.2	39	< 0.5	10.7	69	< 0.4	1.2	49.9	< 1	1.3	8	0.5	2.6
588346	1	< 5	99	247	12	111	4	2	< 0.5	< 0.2	8	< 0.5	27.4	320	< 0.4	2.8	0.5	< 1	0.8	11	6.1	1.8
588347	< 1	< 5	78	282	12	103	4	2	< 0.5	< 0.2	< 1	< 0.5	24.2	429	< 0.4	2.7	0.4	< 1	0.4	19	5.6	1.7
588348	2	< 5	169	224	12	100	4	< 2	< 0.5	< 0.2	5	< 0.5	70.5	415	0.5	2.5	0.4	< 1	1.0	12	5.4	1.5
588349	2	< 5	348	159	10	115	5	< 2	< 0.5	< 0.2	9	< 0.5	136	546	< 0.4	3.0	0.5	< 1	2.3	7	6.7	3.0
588350	< 1	< 5	< 2	< 2	3	35	< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	16	< 0.4	1.2	0.2	< 1	0.4	< 5	1.4	0.5
588351	4	< 5	649	26	< 2	8	38	< 2	< 0.5	0.3	95	< 0.5	33.4	43	< 0.4	0.9	26.8	< 1	3.9	8	0.6	4.8
588352	4	< 5	983	26	2	17	29	< 2	< 0.5	0.3	82	< 0.5	51.8	27	< 0.4	2.3	25.0	< 1	6.0	13	0.5	7.1
588353	3	< 5	1970	44	< 2	< 4	10	< 2	< 0.5	< 0.2	44	< 0.5	93.5	32	< 0.4	0.3	6.5	< 1	15.4	16	0.2	1.8
588354	3	< 5	2420	56	< 2	< 4	6	< 2	< 0.5	< 0.2	25	< 0.5	106	40	0.6	< 0.2	3.3	< 1	20.3	29	0.6	11.8
588355	3	< 5	2910	69	< 2	6	15	< 2	< 0.5	< 0.2	8	< 0.5	116	43	1.5	0.5	17.0	< 1	24.6	29	0.2	10.0
588356	3	< 5	2750	62	4	< 4	5	< 2	< 0.5	< 0.2	6	< 0.5	126	46	0.4	0.3	8.0	2	19.9	27	0.2	7.9
588357	3	< 5	900	54	2	84	40	< 2	< 0.5	0.4	111	< 0.5	53.9	19	< 0.4	8.0	29.9	3	7.4	42	1.7	48.2
588358	4	< 5	642	32	< 2	10	23	< 2	< 0.5	0.2	65	< 0.5	35.7	30	2.6	1.2	18.6	2	5.6	16	0.7	13.8
588359	3	< 5	1110	41	< 2	35	18	< 2	< 0.5	< 0.2	57	< 0.5	54.8	27	3.9	3.4	9.5	2	8.8	21	1.3	22.8
588360	6	57	2190	24	14	70	63	5	2.3	0.3	13	14.7	63.9	89	51.8	6.4	10.8	111	14.6	503	24.5	48.6
588361	3	< 5	1200	37	< 2	10	16	< 2	< 0.5	< 0.2	24	< 0.5	55.2	20	0.9	1.0	12.4	1	9.9	13	0.4	5.6
588362	4	< 5	704	37	< 2	< 4	9	< 2	< 0.5	< 0.2	46	< 0.5	42.6	66	11.4	0.3	7.2	< 1	5.8	12	0.5	5.9
588363	4	< 5	457	28	< 2	< 4	19	< 2	< 0.5	0.2	51	< 0.5	23.9	44	6.8	0.6	19.7	1	3.6	9	0.8	4.1
588364	4	< 5	236	24	< 2	8	34	< 2	< 0.5	< 0.2	59	< 0.5	19.5	82	2.0	1.1	32.4	< 1	1.7	10	1.2	5.7
588365	3	< 5	677	23	< 2	7	27	< 2	< 0.5	< 0.2	48	< 0.5	25.9	71	< 0.4	0.8	21.9	< 1	4.7	10	0.7	2.7
588366	2	< 5	400	221	10	111	8	< 2	< 0.5	< 0.2	22	< 0.5	57.4	484	< 0.4	3.3	4.9	< 1	3.7	10	6.1	2.8
588367	1	< 5	131	292	12	131	5	2	0.9	< 0.2	< 1	< 0.5	30.1	625	0.4	3.6	0.5	2	1.2	11	7.2	2.1



Analyte Symbol	Ge	As	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	1	5	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 Code	FUS-MS	FUS-MS	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
588368	4	< 5	186	13	< 2	15	47	< 2	< 0.5	< 0.2	30	< 0.5	18.8	36	< 0.4	2.3	68.3	< 1	1.6	12	1.8	14.0
588369	4	< 5	318	18	< 2	24	44	< 2	< 0.5	0.2	63	< 0.5	23.9	107	< 0.4	2.8	40.6	< 1	1.8	12	1.6	11.8
588370	1	< 5	< 2	2	3	41	< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	20	< 0.4	1.7	0.3	< 1	0.5	< 5	1.5	0.6
588371	4	< 5	675	27	< 2	26	99	< 2	< 0.5	< 0.2	52	< 0.5	48.9	19	< 0.4	5.7	584	< 1	4.1	9	1.5	7.8
588372	2	< 5	263	292	12	148	7	4	0.5	< 0.2	4	< 0.5	124	458	0.4	4.3	3.4	6	2.5	14	8.5	2.8
588373	1	< 5	70	378	13	141	6	< 2	0.5	< 0.2	1	< 0.5	33.4	558	< 0.4	4.0	0.6	< 1	0.7	17	8.2	2.6
588374	1	< 5	73	382	12	133	6	< 2	0.5	< 0.2	1	< 0.5	40.5	489	< 0.4	3.8	0.5	2	0.4	16	7.8	2.3
588375	2	< 5	301	258	13	143	9	< 2	0.5	< 0.2	32	< 0.5	127	397	< 0.4	4.0	4.4	1	2.2	10	7.9	2.6
588376	2	< 5	384	278	14	156	6	< 2	0.6	< 0.2	22	< 0.5	164	393	< 0.4	4.4	1.0	13	3.0	11	8.7	2.8
588377	4	< 5	1370	77	2	18	61	< 2	< 0.5	0.4	123	< 0.5	133	107	< 0.4	3.2	111	< 1	8.7	11	0.8	2.9
588378	2	< 5	315	256	13	149	8	3	0.6	< 0.2	10	< 0.5	225	475	0.5	4.5	4.8	< 1	3.0	14	8.5	2.9
588379	2	< 5	131	296	14	164	7	< 2	0.6	< 0.2	4	< 0.5	118	564	0.4	4.8	0.7	< 1	1.1	14	9.7	2.9
588380	6	60	2230	25	14	62	74	5	2.4	0.3	13	16.1	64.9	91	46.1	5.7	11.2	115	13.6	523	24.3	46.8
588381	1	< 5	180	270	11	121	4	3	< 0.5	< 0.2	4	< 0.5	59.3	599	0.6	3.0	0.7	< 1	1.1	10	8.3	2.9
588382	2	< 5	173	257	11	127	5	4	0.5	< 0.2	4	< 0.5	59.1	596	0.6	3.4	0.7	1	1.4	10	8.2	2.9
588383	4	< 5	939	26	< 2	9	38	2	< 0.5	0.2	63	< 0.5	33.0	34	< 0.4	1.0	21.7	1	5.8	13	0.7	6.5
588384	4	< 5	854	29	< 2	< 4	22	< 2	< 0.5	0.2	64	< 0.5	37.8	42	< 0.4	0.5	13.9	< 1	5.8	16	0.7	6.9
588385	4	< 5	656	43	< 2	5	32	2	< 0.5	0.2	64	< 0.5	26.6	85	1.4	1.0	16.9	< 1	4.7	12	0.6	5.5
588386	4	< 5	960	52	< 2	< 4	30	< 2	< 0.5	< 0.2	58	< 0.5	45.6	154	< 0.4	0.7	20.1	< 1	6.6	12	0.6	3.6
588387	4	< 5	461	40	< 2	6	32	< 2	< 0.5	0.2	62	< 0.5	32.2	94	< 0.4	0.9	22.4	< 1	3.5	12	0.6	7.3
588388	4	< 5	813	41	< 2	< 4	23	2	< 0.5	0.4	91	< 0.5	49.6	61	0.6	0.9	10.7	< 1	5.9	14	0.6	5.2
588389	3	< 5	1040	40	< 2	< 4	23	2	< 0.5	0.2	65	< 0.5	50.6	72	1.0	0.4	11.9	< 1	7.4	16	0.4	5.5
588390	2	< 5	< 2	< 2	2	29	< 1	< 2	< 0.5	< 0.2	1	< 0.5	< 0.5	14	< 0.4	0.9	0.2	< 1	1.0	< 5	1.1	0.4
588391	3	< 5	1140	36	2	6	20	< 2	< 0.5	< 0.2	53	< 0.5	62.8	32	< 0.4	1.0	14.0	< 1	7.6	24	1.4	11.7
588392	4	< 5	756	30	< 2	< 4	30	< 2	< 0.5	< 0.2	43	< 0.5	49.6	35	0.6	0.8	24.9	< 1	5.7	16	0.8	8.1
588393	4	< 5	673	33	< 2	12	46	< 2	< 0.5	0.2	63	< 0.5	40.6	57	1.2	1.6	29.8	< 1	4.8	15	1.1	8.5
588394	3	< 5	937	304	11	112	11	< 2	< 0.5	0.2	55	< 0.5	260	335	0.7	3.0	8.7	< 1	8.2	10	6.6	2.7
588395	3	< 5	456	48	< 2	6	30	< 2	< 0.5	< 0.2	48	< 0.5	25.0	102	< 0.4	0.4	24.0	< 1	3.6	14	0.9	8.3
588396	3	< 5	435	47	< 2	5	21	< 2	< 0.5	< 0.2	48	< 0.5	23.1	79	< 0.4	0.4	13.7	< 1	2.9	12	0.7	6.3
588397	3	< 5	1040	104	5	63	44	< 2	< 0.5	0.7	184	< 0.5	60.3	267	0.4	2.2	32.3	3	5.6	9	3.7	5.4
588398	3	< 5	606	272	12	124	10	< 2	< 0.5	< 0.2	38	< 0.5	138	665	0.5	3.4	3.9	1	4.8	12	7.8	4.1
588399	2	< 5	207	280	14	114	6	< 2	< 0.5	< 0.2	3	< 0.5	71.7	670	0.6	3.3	0.7	1	1.9	14	7.7	2.6
588400	6	61	2140	25	14	72	68	5	2.3	0.3	13	15.6	63.7	91	47.1	6.0	10.7	100	14.0	461	23.8	44.0
588401	4	< 5	274	138	7	89	18	< 2	0.6	0.2	50	< 0.5	60.5	248	6.0	3.1	14.8	< 1	3.3	15	4.9	4.4

Analyte Symbol	Li	Li2O	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	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
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-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
NIST 694 Meas			11.50	1.81	0.77	0.013	0.35	42.68	0.88	0.54	0.118	30.19					1602						
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			45.98	18.70	10.10	0.147	10.33	11.46	1.91	0.21	0.487	0.07			31		155	280	60	250	110		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
LKSD-3 Meas																		80	31	50	30	150	
LKSD-3 Cert																		87.0	30.0	47.0	35.0	152	
TDB-1 Meas																		250		100	340	160	
TDB-1 Cert																		251		92	323	155	
W-2a Meas			50.98	15.38	10.96	0.166	6.35	11.07	2.22	0.61	1.043	0.15			35	< 1	271	90	45	80	110	80	
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	
SY-4 Meas			48.47	20.39	6.13	0.107	0.51	8.11	6.89	1.65	0.268	0.12			1	3	6						
SY-4 Cert			49.9	20.69	6.21	0.108	0.54	8.05	7.10	1.66	0.267	0.131			1.1	2.6	8.0						
CTA-AC-1 Meas																						60	
CTA-AC-1 Cert																						54.0	
BIR-1a Meas			46.77	15.72	11.83	0.173	9.79	13.65	1.85	0.02	0.999	0.01			44	< 1	330	390	55	170	130	70	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	70	16
ZW-C Meas																						1040	99
ZW-C Cert																						1050.000	99
NCS DC70009 (GBW07241) Meas																			4		990	90	18
NCS DC70009 (GBW07241) Cert																			3.7		960	100	16.5
OREAS 100a (Fusion) Meas																			17		170		
OREAS 100a (Fusion) Cert																			18.1		169		
OREAS 101a (Fusion) Meas																			47		430		
OREAS 101a (Fusion) Cert																			48.8		430		
OREAS 101b (Fusion) Meas																			47		430		
OREAS 101b (Fusion) Cert																			47		420		
JR-1 Meas																				< 20		30	
JR-1 Cert																				1.67		30.6	
NCS DC86303 Meas	0.22	0.46																					
NCS DC86303 Cert	0.21	0.460																					
NCS DC86303	0.21	0.46																					



Analyte Symbol	Li	Li2O	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	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
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-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
<b>Meas</b>																							
NCS DC86303 Cert	0.21	0.460																					
NCS DC86303 Meas	0.22	0.46																					
NCS DC86303 Cert	0.21	0.460																					
NCS DC86303 Meas	0.21	0.45																					
NCS DC86303 Cert	0.21	0.460																					
NCS DC86304 Meas	1.01	2.17																					
NCS DC86304 Cert	1.06	2.29																					
NCS DC86304 Meas	1.02	2.19																					
NCS DC86304 Cert	1.06	2.29																					
NCS DC86304 Meas	1.05	2.26																					
NCS DC86304 Cert	1.06	2.29																					
NCS DC86304 Meas	1.04	2.23																					
NCS DC86304 Cert	1.06	2.29																					
NCS DC86314 Meas	1.85	3.99																					
NCS DC86314 Cert	1.81	3.89																					
NCS DC86314 Meas	1.71	3.68																					
NCS DC86314 Cert	1.81	3.89																					
NCS DC86314 Meas	1.82	3.92																					
NCS DC86314 Cert	1.81	3.89																					
NCS DC86314 Meas	1.79	3.85																					
NCS DC86314 Cert	1.81	3.89																					
Lithium Tetraborate FX-LT 100 lot#220610B	8.43																						

Analyte Symbol	Li	Li2O	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	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
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-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
Meas																							
Lithium Tetraborate FX-LT 100 lot#220610B Cert	8																						
Lithium Tetraborate FX-LT 100 lot#220610B Meas	8.61																						
Lithium Tetraborate FX-LT 100 lot#220610B Cert	8																						
Lithium Tetraborate FX-LT 100 lot#220610B Meas	8.82																						
Lithium Tetraborate FX-LT 100 lot#220610B Cert	8																						
Lithium Tetraborate FX-LT 100 lot#220610B Meas	8.39																						
Lithium Tetraborate FX-LT 100 lot#220610B Cert	8																						
588299 Orig	< 0.01	< 0.01	71.92	15.88	1.24	0.040	0.59	0.89	5.96	1.37	0.066	0.44	1.15	99.54	2	165	18	40	4	< 20	10	< 30	29
588299 Dup	< 0.01	< 0.01	71.89	16.30	1.26	0.040	0.60	0.89	5.99	1.37	0.067	0.45	1.15	100.0	2	165	19	40	4	< 20	10	< 30	29
588314 Orig	< 0.01	< 0.01																					
588314 Dup	< 0.01	< 0.01																					
588316 Orig			74.08	14.34	0.91	0.015	0.19	0.49	4.51	3.92	0.003	0.37	0.72	99.57	< 1	120	< 5	30	3	< 20	< 10	< 30	27
588316 Dup			74.09	14.67	0.91	0.015	0.19	0.49	4.52	3.90	0.003	0.36	0.72	99.87	< 1	120	< 5	30	3	< 20	< 10	< 30	27
588329 Orig	< 0.01	< 0.01																					
588329 Dup	< 0.01	< 0.01																					
588334 Orig	< 0.01	< 0.01	71.75	16.19	0.61	0.016	0.03	0.45	7.88	0.95	0.004	0.31	0.45	98.65	< 1	150	12	30	1	< 20	10	< 30	26
588334 Split PREP DUP	< 0.01	< 0.01	73.90	15.78	0.58	0.016	0.04	0.45	7.67	0.95	0.003	0.29	0.47	100.1	< 1	152	< 5	40	1	< 20	10	< 30	26
588344 Orig	0.02	0.05																					
588344 Dup	0.02	0.05																					
588347 Orig			65.57	14.14	6.33	0.079	2.70	1.90	3.77	1.65	0.551	0.09	1.82	98.60	14	1	107	150	20	60	50	90	16
588347 Dup			65.65	14.05	6.37	0.078	2.71	1.91	3.79	1.66	0.560	0.09	1.82	98.69	15	1	110	150	20	60	50	90	16
588359 Orig	0.25	0.54																					
588359 Dup	0.26	0.57																					

Analyte Symbol	Li	Li2O	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	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
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-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
588364 Orig			74.02	15.74	1.18	0.099	0.13	0.22	5.09	1.03	0.003	0.27	0.41	98.20	< 1	274	< 5	30	< 1	< 20	< 10	< 30	30
588364 Dup			74.37	15.51	1.15	0.098	0.13	0.22	5.05	1.04	0.003	0.27	0.41	98.24	< 1	269	< 5	20	< 1	< 20	< 10	< 30	31
588374 Orig	0.08	0.18																					
588374 Dup	0.09	0.19																					
588384 Orig	0.63	1.35																					
588384 Split PREP DUP	0.64	1.37	73.44	15.75	0.87	0.073	0.10	0.22	3.53	3.08	0.005	0.23	0.38	97.68	< 1	141	< 5	40	< 1	< 20	< 10	40	30
588389 Orig	0.46	0.98																					
588389 Dup	0.45	0.97																					
588395 Orig			74.67	14.45	0.84	0.070	0.12	0.33	4.60	1.94	0.006	0.27	0.57	97.88	< 1	260	< 5	< 20	< 1	< 20	20	30	26
588395 Dup			74.82	14.97	0.84	0.070	0.12	0.33	4.56	1.93	0.005	0.27	0.57	98.49	< 1	270	< 5	< 20	< 1	< 20	20	40	27
588401 Orig	0.03	0.06																					
588401 Dup	0.03	0.06																					
Method Blank			< 0.01	< 0.01	0.02	0.002	0.02	< 0.01	< 0.01	< 0.01	0.001	< 0.01			< 1	< 1	< 5	< 20	< 1	< 20	< 10	< 30	< 1
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																					
Method Blank	< 0.01	< 0.01																					
Method Blank	< 0.01	< 0.01																					
Method Blank	< 0.01	< 0.01																					

Analyte Symbol	Ge	As	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	1	5	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 Code	FUS-MS	FUS-MS	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
NIST 694 Meas																						
NIST 694 Cert																						
DNC-1 Meas			4	150	16	36								107								
DNC-1 Cert			5	144.0	18.0	38								118								
LKSD-3 Meas		25	76					< 2			2	1.5	2.3			4.3	0.6				10.8	4.5
LKSD-3 Cert		27.0	78.0					2.00			3.00	1.30	2.30			4.80	0.700				11.4	4.60
TDB-1 Meas			21																			2.6
TDB-1 Cert			23																			2.7
W-2a Meas	1		20	197	20	90	7	< 2				0.7		173	< 0.4	2.4		< 1	< 0.1		2.2	0.6
W-2a Cert	1.00		21.0	190	24.0	94.0	7.90	0.600				0.790		182	0.0300	2.60		0.300	0.200		2.40	0.530
SY-4 Meas				1196	115	554								349								
SY-4 Cert				1191	119	517								340								
CTA-AC-1 Meas																						4.3
CTA-AC-1 Cert																						4.4
BIR-1a Meas				111	14	15	< 1							7		0.5						
BIR-1a Cert				110	16	18	0.6							6		0.60						
ZW-C Meas			9010				196				1330		261				83.7	334	34.7			
ZW-C Cert			8500				198				1300.000		260				82	320	34			
NCS DC70009 (GBW07241) Meas	10	64	531						1.7	1.0	1690	2.8	41.7					2100	1.9			
NCS DC70009 (GBW07241) Cert	11.2	69.9	500						1.8	1.3	1700	3.1	41					2200	1.8			
OREAS 100a (Fusion) Meas								23													53.0	145
OREAS 100a (Fusion) Cert								24.1													51.6	135
OREAS 101a (Fusion) Meas								20													35.8	436
OREAS 101a (Fusion) Cert								21.9													36.6	422
OREAS 101b (Fusion) Meas								21													37.0	413
OREAS 101b (Fusion) Cert								21													37.1	396
JR-1 Meas	2	17	261				14	4		< 0.2	2		20.4		0.5	4.5	1.7		1.6	18	28.3	9.6
JR-1 Cert	1.88	16.3	257				15.2	3.25		0.028	2.88		20.8		0.56	4.51	1.86		1.56	19.3	26.7	8.88
NCS DC86303 Meas																						
NCS DC86303 Cert																						
NCS DC86303 Meas																						



Analyte Symbol	Ge	As	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	1	5	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 Code	FUS-MS	FUS-MS	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
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																						
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						
588299 Orig	4	< 5	326	61	5	39	59	< 2	< 0.5	< 0.2	49	< 0.5	30.3	126	< 0.4	3.9	215	< 1	1.9	12	2.0	9.4
588299 Dup	4	< 5	320	63	5	38	66	< 2	< 0.5	< 0.2	50	< 0.5	29.4	127	< 0.4	3.9	227	< 1	2.0	12	2.1	9.6
588314 Orig																						
588314 Dup																						
588316 Orig	3	< 5	792	68	2	16	25	< 2	< 0.5	< 0.2	53	< 0.5	37.4	264	< 0.4	1.4	17.2	< 1	5.1	8	0.5	6.5
588316 Dup	3	< 5	792	67	2	16	21	< 2	< 0.5	< 0.2	54	< 0.5	37.4	265	< 0.4	1.7	13.3	< 1	5.4	8	0.5	6.6
588329 Orig																						
588329 Dup																						
588334 Orig	4	< 5	259	33	2	8	51	< 2	< 0.5	< 0.2	40	< 0.5	8.1	24	< 0.4	1.4	44.0	< 1	1.6	6	1.5	6.3
588334 Split PREP DUP	3	< 5	265	32	< 2	7	57	< 2	< 0.5	0.2	45	< 0.5	8.6	23	< 0.4	1.6	39.4	< 1	2.1	6	1.6	6.5
588344 Orig																						
588344 Dup																						
588347 Orig	1	< 5	77	282	12	104	3	2	< 0.5	< 0.2	< 1	< 0.5	24.1	428	< 0.4	2.7	0.4	< 1	0.5	19	5.6	1.7
588347 Dup	< 1	< 5	78	282	12	103	4	2	< 0.5	< 0.2	< 1	< 0.5	24.3	430	< 0.4	2.7	0.4	< 1	0.3	19	5.7	1.7
588359 Orig																						
588359 Dup																						
588364 Orig	4	< 5	236	24	< 2	9	34	< 2	< 0.5	0.2	60	< 0.5	19.8	82	2.3	1.1	32.5	< 1	1.8	9	1.2	5.7
588364 Dup	4	< 5	236	24	< 2	8	34	< 2	< 0.5	< 0.2	58	< 0.5	19.3	81	1.6	1.1	32.3	< 1	1.6	10	1.2	5.7



Analyte Symbol	Ge	As	Pb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	1	5	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 Code	FUS-MS	FUS-MS	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
588374 Orig																						
588374 Dup																						
588384 Orig																						
588384 Split PREP DUP	4	< 5	868	32	< 2	4	30	2	< 0.5	0.2	61	< 0.5	38.5	38	< 0.4	0.4	22.7	< 1	6.2	15	0.7	5.5
588389 Orig																						
588389 Dup																						
588395 Orig	3	< 5	457	48	< 2	7	32	< 2	< 0.5	< 0.2	49	< 0.5	24.6	102	< 0.4	0.5	25.4	< 1	3.9	14	0.9	8.5
588395 Dup	3	< 5	455	47	< 2	5	28	< 2	< 0.5	0.2	47	< 0.5	25.4	103	< 0.4	0.4	22.5	< 1	3.2	14	0.9	8.1
588401 Orig																						
588401 Dup																						
Method Blank	< 1	< 5	< 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																						
Method Blank																						
Method Blank																						
Method Blank																						

Quality Analysis ...



Innovative Technologies

Date Submitted: 19-Mar-18  
Invoice No.: A18-03395  
Invoice Date: 26-Apr-18  
Your Reference:

Caracle Creek International  
1545 Maley Drive, Suite 2018  
Sudbury ON P3A 4R7  
Canada

ATTN: Scott Jobin-Bevans

## CERTIFICATE OF ANALYSIS

159 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 A18-03395

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 Esemé".

Emmanuel Esemé, Ph.D.  
Quality Control

ACTIVATION LABORATORIES LTD.  
41 Biltm 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: A18-03395

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
588213	59.99	16.18	8.96	0.100	3.29	1.86	2.28	2.79	0.613	0.15	2.20	98.42	19	2	138	160	26	80	60	250	19	2	< 5
588214	62.73	15.10	7.93	0.099	3.10	1.94	2.45	2.66	0.578	0.16	2.06	98.81	17	4	128	160	24	70	60	120	19	2	< 5
588215	75.52	14.05	0.96	0.050	0.13	0.83	4.36	2.09	0.013	0.58	0.85	99.44	< 1	124	6	30	2	< 20	< 10	70	24	4	< 5
588216	75.71	14.39	0.88	0.042	0.13	0.54	4.80	2.12	0.013	0.38	0.87	99.88	< 1	118	7	30	1	< 20	< 10	130	27	4	< 5
588217	74.91	14.61	0.90	0.047	0.37	0.37	4.18	3.58	0.004	0.28	1.20	100.5	< 1	129	< 5	20	2	< 20	< 10	< 30	29	3	< 5
588218	73.80	14.75	0.92	0.086	0.36	0.48	4.07	3.99	0.005	0.45	1.13	100.1	< 1	168	< 5	30	1	< 20	< 10	< 30	25	3	< 5
588219	73.90	14.97	1.00	0.091	0.56	0.38	3.90	3.73	0.003	0.36	1.58	100.5	< 1	171	< 5	20	1	< 20	< 10	< 30	26	3	< 5
588220	75.01	13.55	0.68	0.598	0.03	0.74	0.61	6.28	0.052	0.02	2.16	99.74	12	5	< 5	120	< 1	< 20	170	550	29	6	49
588221	74.12	14.72	1.03	0.052	0.58	0.38	3.78	3.23	0.004	0.18	1.77	99.84	< 1	100	< 5	30	2	< 20	< 10	< 30	29	3	< 5
588222	71.74	14.23	3.17	0.088	1.15	1.06	3.84	2.38	0.215	0.21	1.69	99.75	6	77	44	90	8	30	< 10	40	26	3	< 5
588223	68.53	16.22	3.91	0.100	1.50	1.15	4.21	2.39	0.310	0.34	1.46	100.1	8	83	59	100	12	30	< 10	60	30	3	< 5
588224	73.94	15.27	0.83	0.086	0.09	0.57	5.64	1.76	0.005	0.49	1.04	99.71	< 1	132	< 5	30	< 1	< 20	< 10	40	33	3	< 5
588225	72.57	16.40	1.20	0.163	0.09	0.43	3.79	2.71	0.004	0.68	0.65	98.68	< 1	141	< 5	30	< 1	< 20	< 10	< 30	35	4	< 5
588226	73.34	16.08	1.09	0.121	0.25	0.47	4.02	2.54	0.004	0.50	0.97	99.38	< 1	280	< 5	30	< 1	< 20	< 10	< 30	35	3	< 5
588227	72.93	16.28	1.28	0.118	0.20	0.52	2.58	2.12	0.004	0.31	1.00	97.35	< 1	243	< 5	40	< 1	< 20	< 10	30	38	4	< 5
588228	72.85	16.63	1.37	0.156	0.23	0.27	2.04	2.07	0.004	0.32	0.95	96.91	< 1	194	< 5	40	< 1	< 20	< 10	30	41	4	< 5
588229	72.39	16.43	1.28	0.125	0.27	0.20	2.59	2.06	0.004	0.28	1.01	96.65	< 1	205	< 5	30	< 1	< 20	< 10	< 30	39	3	< 5
588230	96.93	0.41	1.23	0.013	0.03	0.02	0.05	0.05	0.019	0.01	0.01	98.76	< 1	1	< 5	< 20	< 1	< 20	< 10	< 30	< 1	< 1	< 5
588231	72.71	15.46	0.86	0.087	0.04	0.21	4.56	3.05	0.003	0.34	0.58	97.92	< 1	205	< 5	30	< 1	< 20	< 10	< 30	28	4	< 5
588232	73.55	15.95	0.74	0.096	0.05	0.20	5.13	2.96	0.002	0.34	0.43	99.44	< 1	231	< 5	40	< 1	< 20	< 10	< 30	27	4	< 5
588233	72.58	15.77	0.52	0.035	0.03	0.27	5.47	4.06	0.003	0.31	0.71	99.76	< 1	178	< 5	20	< 1	< 20	< 10	< 30	26	4	< 5
588234	62.71	15.53	8.08	0.090	3.17	2.04	2.81	2.75	0.604	0.14	1.57	99.50	18	3	131	170	25	80	50	90	19	2	< 5
588235	66.19	14.26	6.87	0.083	2.71	2.29	2.97	2.03	0.547	0.13	1.26	99.34	14	2	113	170	21	60	50	70	17	1	< 5
588236	65.68	14.84	6.71	0.084	2.85	2.28	2.96	2.08	0.570	0.12	1.22	99.39	15	1	113	150	22	70	50	70	18	1	< 5
588250	98.66	0.36	0.87	0.010	0.02	0.02	0.04	0.05	0.022	0.01	0.10	100.2	< 1	< 1	< 5	< 20	< 1	< 20	< 10	< 30	< 1	< 1	< 5
588251	62.99	15.87	7.77	0.095	3.16	2.22	2.91	2.42	0.613	0.13	1.37	99.56	17	2	123	180	25	80	30	90	20	2	< 5
588252	65.17	14.94	7.55	0.091	3.00	2.09	2.72	2.38	0.558	0.17	1.43	100.1	16	9	115	160	23	70	50	200	19	2	< 5
588253	69.07	17.23	0.50	0.046	0.05	0.41	5.62	5.34	0.005	0.47	0.51	99.25	< 1	212	< 5	< 20	< 1	< 20	< 10	250	24	4	< 5
588254	72.33	16.69	0.59	0.036	0.09	0.48	5.84	2.95	0.005	0.28	0.99	100.3	< 1	148	< 5	20	< 1	< 20	< 10	< 30	30	4	< 5
588255	71.76	15.68	0.97	0.029	0.22	0.41	5.83	2.77	0.038	0.31	0.71	98.73	1	166	11	30	2	< 20	< 10	< 30	24	3	< 5
588256	71.60	16.09	0.98	0.027	0.27	0.44	6.24	2.98	0.043	0.37	0.62	99.66	1	150	12	30	2	< 20	10	< 30	22	3	< 5
588257	62.36	15.87	7.57	0.096	3.04	2.07	3.00	2.58	0.585	0.52	1.58	99.26	16	24	112	160	22	70	50	330	23	3	< 5
588258	63.92	15.20	7.24	0.098	2.84	2.28	2.47	2.76	0.541	0.82	1.59	99.76	15	20	110	150	22	70	30	120	22	3	< 5
588259	71.31	16.21	0.60	0.029	0.05	0.25	4.28	5.50	0.007	0.26	0.57	99.09	< 1	34	7	20	< 1	< 20	< 10	790	23	3	< 5
588260	74.60	13.20	0.69	0.590	0.04	0.75	0.57	6.21	0.053	0.03	2.37	99.10	12	5	6	130	< 1	< 20	180	530	28	6	49
588261	73.82	15.07	0.64	0.059	0.05	0.18	4.20	3.89	0.005	0.28	0.41	98.60	< 1	127	< 5	30	< 1	< 20	< 10	90	24	3	< 5
588262	73.83	15.95	0.52	0.029	0.04	0.42	7.47	1.36	0.004	0.32	0.75	100.7	< 1	187	< 5	< 20	< 1	< 20	< 10	< 30	27	3	< 5
588263	62.80	15.09	9.03	0.128	2.75	2.40	2.42	2.66	0.585	0.39	1.56	99.82	17	9	122	160	24	70	50	70	19	2	< 5
588264	61.13	14.97	10.73	0.124	3.11	2.34	2.09	2.86	0.579	0.16	1.53	99.60	18	2	130	160	24	80	70	130	18	2	< 5
588265	65.18	15.04	7.06	0.092	2.85	2.36	2.80	2.43	0.580	0.12	1.26	99.76	17	7	124	160	25	80	50	80	19	3	< 5
588266	66.25	14.31	6.38	0.097	2.64	2.37	2.81	2.19	0.550	0.28	1.46	99.33	15	13	108	150	23	70	50	80	18	3	< 5

## Results

## Activation Laboratories Ltd.

Report: A18-03395

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
588267	79.22	12.80	0.74	0.043	0.06	0.27	2.94	2.49	0.008	0.13	1.23	99.94	<1	226	<5	40	<1	<20	<10	<30	36	3	<5
588268	74.99	16.24	1.23	0.094	0.05	0.30	3.28	1.05	0.005	0.29	0.53	98.06	<1	245	<5	30	<1	<20	<10	120	36	3	<5
588269	76.66	14.36	0.96	0.039	0.05	0.26	3.57	1.87	0.004	0.17	0.43	98.38	<1	135	<5	40	<1	<20	<10	40	29	3	<5
588270	98.05	0.38	0.63	0.008	0.03	0.03	0.07	0.05	0.021	<0.01	0.04	99.31	<1	<1	<5	<20	<1	<20	<10	<30	<1	<1	<5
588271	74.28	15.44	0.91	0.040	0.18	0.50	5.00	2.41	0.025	0.36	1.05	100.2	<1	134	9	30	1	<20	<10	<30	32	4	<5
588272	69.04	16.52	2.98	0.152	0.89	1.19	2.40	2.33	0.170	0.94	1.54	98.06	5	96	46	80	7	30	10	350	33	4	<5
588273	68.66	16.66	2.98	0.085	1.16	0.94	4.91	2.21	0.235	0.67	1.16	99.68	7	119	46	70	9	30	20	50	32	4	<5
588274	72.60	17.02	0.85	0.094	0.06	0.24	4.79	1.84	0.005	0.35	0.53	98.57	<1	199	<5	60	<1	<20	<10	<30	33	4	<5
588275	71.63	17.30	0.64	0.063	0.03	0.26	7.65	1.21	0.002	0.36	0.40	99.57	<1	157	<5	20	<1	<20	<10	<30	27	4	<5
588276	70.97	17.01	0.59	0.068	0.05	0.25	7.05	1.64	0.003	0.37	0.48	98.48	<1	142	<5	20	<1	<20	<10	<30	28	4	<5
588277	72.93	17.52	1.07	0.107	0.07	0.20	3.56	0.93	0.003	0.23	0.42	97.04	<1	217	<5	40	<1	<20	<10	40	39	4	<5
588278	70.03	17.44	0.81	0.055	0.05	0.18	4.25	4.31	0.003	0.24	0.45	97.82	<1	204	<5	30	<1	<20	<10	<30	31	4	<5
588279	72.63	16.44	0.51	0.040	0.03	0.24	6.38	1.47	0.004	0.20	0.84	98.97	<1	192	<5	30	<1	<20	10	<30	30	3	<5
588280	73.39	13.56	0.63	0.605	0.04	0.77	0.57	6.15	0.052	0.01	2.15	97.93	12	5	6	120	<1	<20	170	540	30	6	52
588281	63.27	15.27	6.59	0.085	2.85	2.82	2.33	1.95	0.547	0.87	1.61	98.18	15	22	116	170	22	70	60	140	21	2	<5
588282	66.46	14.47	6.61	0.077	2.80	2.30	2.95	2.15	0.545	0.09	1.47	99.93	14	3	114	170	21	70	40	70	17	2	<5
588283	48.94	14.04	13.69	0.210	6.81	9.71	2.53	0.83	1.284	0.15	0.58	98.77	39	1	341	140	53	100	190	120	20	2	<5
588284	49.18	13.91	13.62	0.208	6.97	10.15	2.53	0.59	1.261	0.14	0.42	98.98	39	1	341	140	53	110	190	110	19	2	<5
588285	51.51	14.39	11.32	0.195	6.04	8.14	2.99	1.65	1.008	0.20	1.35	98.80	32	5	273	120	43	90	150	80	19	2	<5
588286	71.78	14.97	1.12	0.019	0.30	0.73	7.76	0.93	0.022	0.34	0.61	98.56	<1	203	7	30	2	<20	10	<30	29	3	<5
588287	66.76	16.64	1.29	0.021	0.41	0.81	3.01	9.14	0.054	0.42	0.71	99.27	2	112	16	30	3	<20	10	<30	27	4	<5
588288	59.13	14.70	8.36	0.129	3.99	5.24	5.66	0.24	0.715	0.32	1.42	99.90	23	25	193	90	28	60	90	50	23	3	<5
588289	49.06	14.14	13.33	0.230	6.87	9.74	2.73	0.51	1.238	0.14	1.04	99.04	39	3	335	140	51	110	150	90	20	2	<5
588290	97.13	0.49	0.64	0.008	0.04	0.05	0.12	0.06	0.026	0.01	0.06	98.64	<1	<1	<5	<20	<1	<20	<10	<30	1	<1	<5
588291	72.10	14.78	1.37	0.029	0.30	1.05	5.50	2.49	0.026	0.56	0.69	98.90	<1	182	8	30	2	<20	60	<30	26	3	<5
588292	74.58	13.41	1.21	0.048	0.20	0.68	3.69	4.14	0.006	0.37	0.75	99.09	<1	180	6	30	2	<20	10	<30	25	3	<5
588293	73.29	14.03	0.94	0.018	0.09	0.51	3.59	5.18	0.003	0.35	0.62	98.63	<1	156	<5	30	2	<20	<10	<30	25	3	<5
588294	73.81	14.04	1.20	0.021	0.25	0.50	5.13	2.95	0.041	0.28	0.60	98.84	1	222	10	30	3	<20	30	<30	23	3	<5
588295	60.57	16.21	8.02	0.114	3.70	1.79	3.14	1.83	0.641	0.15	2.20	98.36	20	5	147	180	28	90	160	150	22	2	<5
588296	59.60	16.68	8.27	0.115	3.82	1.83	3.22	1.93	0.658	0.13	2.24	98.49	21	5	152	190	30	90	100	180	22	1	<5
588297	61.27	15.44	7.40	0.089	3.80	1.94	3.18	2.26	0.628	0.14	2.06	98.21	19	3	140	170	26	90	100	100	19	1	<5
588402	71.57	15.44	1.37	0.028	0.64	0.87	6.30	1.17	0.108	0.31	0.84	98.64	3	139	23	50	5	<20	<10	<30	25	3	<5
588403	72.17	14.49	1.91	0.108	0.83	1.26	4.90	1.60	0.149	0.30	1.01	98.73	4	90	31	60	6	20	30	30	22	2	<5
588404	65.20	14.59	6.96	0.128	3.30	2.29	3.21	1.73	0.546	0.14	2.43	100.5	15	2	114	200	22	80	80	60	18	2	<5
588405	63.74	15.02	6.11	0.201	3.20	2.12	3.35	1.71	0.540	0.16	2.83	98.98	14	9	105	190	21	70	30	40	19	2	<5
588406	71.15	16.09	0.32	0.014	0.04	0.35	5.32	5.50	0.006	0.34	0.41	99.54	<1	59	<5	<20	<1	<20	20	<30	20	4	<5
588407	75.48	14.74	0.59	0.100	0.09	0.18	4.11	2.14	0.006	0.32	0.70	98.47	<1	172	<5	<20	<1	<20	<10	350	32	4	<5
588408	75.24	15.57	0.56	0.058	0.17	0.27	3.59	3.27	0.003	0.22	0.60	99.54	<1	189	<5	<20	<1	<20	<10	50	28	4	<5
588409	75.15	15.88	0.54	0.058	0.14	0.25	3.94	2.16	0.003	0.21	0.59	98.93	<1	141	<5	<20	<1	<20	<10	30	32	4	<5
588410	99.29	0.51	0.38	0.006	0.03	0.02	0.10	0.08	0.022	<0.01	0.13	100.6	<1	<1	<5	<20	<1	<20	<10	<30	<1	<1	<5
588411	75.85	15.21	0.60	0.055	0.11	0.30	3.26	1.52	0.003	0.19	0.60	97.70	<1	304	<5	30	<1	<20	<10	450	32	3	<5

## Results

## Activation Laboratories Ltd.

## Report: A18-03395

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
588412	72.88	17.00	0.63	0.061	0.16	0.36	3.34	1.35	0.003	0.21	0.76	96.76	<1	130	<5	20	<1	<20	<10	40	36	4	<5
588413	72.63	16.21	0.70	0.132	0.13	0.48	4.99	2.82	0.003	0.55	0.66	99.51	<1	177	<5	<20	<1	<20	<10	40	30	4	<5
588414	74.19	15.05	0.58	0.076	0.08	0.47	3.87	3.82	0.003	0.44	0.81	99.40	<1	180	6	20	<1	<20	<10	90	31	3	<5
588415	74.50	16.04	0.79	0.060	0.18	0.31	2.81	1.41	0.004	0.14	0.81	97.06	<1	998	5	40	<1	<20	<10	80	37	3	<5
588416	75.24	16.29	0.64	0.049	0.12	0.31	3.61	1.87	0.004	0.19	0.89	99.22	<1	758	<5	20	<1	<20	60	260	38	3	<5
588417	73.49	15.94	0.58	0.033	0.16	0.32	5.01	2.76	0.003	0.26	0.86	99.41	<1	94	<5	<20	<1	<20	20	70	30	4	<5
588418	74.99	13.72	0.69	0.056	0.26	1.68	2.80	2.62	0.040	1.35	1.43	99.84	1	423	11	30	1	<20	<10	40	35	3	<5
588419	72.70	15.64	0.34	0.014	0.05	0.55	6.64	2.24	0.004	0.18	0.91	99.27	<1	181	<5	<20	<1	<20	<10	<30	24	3	<5
588420	74.07	13.38	0.67	0.592	0.03	0.71	0.59	6.11	0.050	0.02	2.11	98.34	12	5	5	120	<1	<20	180	560	29	5	43
588421	71.93	16.04	0.66	0.021	0.37	0.45	5.46	3.55	0.002	0.23	1.11	99.82	<1	142	<5	<20	2	<20	<10	<30	24	3	<5
588422	73.04	15.94	0.75	0.048	0.40	0.35	3.67	3.58	0.003	0.23	1.40	99.41	<1	124	<5	20	1	<20	90	60	29	3	<5
588423	73.43	16.14	0.54	0.042	0.24	0.26	3.77	4.28	0.003	0.25	0.88	99.85	<1	149	<5	<20	<1	<20	10	<30	27	4	<5
588424	71.48	16.01	0.91	0.033	0.65	1.00	4.22	4.07	0.003	0.26	2.01	100.6	<1	163	<5	<20	2	<20	10	<30	39	4	<5
588425	72.10	16.03	0.64	0.024	0.39	0.85	5.55	1.81	0.004	0.28	1.43	98.91	<1	179	<5	<20	1	<20	20	<30	31	3	<5
588426	71.95	14.78	0.82	0.030	0.60	0.69	3.96	3.92	0.003	0.28	1.69	98.70	<1	204	<5	<20	2	<20	20	<30	27	3	<5
588427	71.31	16.02	0.66	0.022	0.41	0.52	3.53	5.12	0.002	0.26	1.36	99.21	<1	211	<5	20	1	<20	<10	<30	27	3	<5
588428	75.17	14.35	0.44	0.042	0.13	0.26	4.76	2.89	0.003	0.26	0.63	98.95	<1	174	<5	20	<1	<20	<10	<30	24	3	<5
588429	72.77	15.60	0.55	0.049	0.25	0.39	5.81	2.17	0.002	0.28	0.96	98.83	<1	238	<5	<20	<1	<20	20	30	26	4	<5
588430	98.70	0.45	0.83	0.007	0.02	0.02	0.06	0.11	0.016	<0.01	-0.04	100.2	<1	2	<5	<20	<1	<20	<10	<30	<1	<1	<5
588431	72.78	16.19	0.88	0.055	0.52	0.43	3.47	3.43	0.005	0.20	1.77	99.73	<1	138	<5	<20	1	<20	10	<30	39	4	<5
588432	72.38	15.99	0.71	0.025	0.26	0.47	4.88	3.38	0.004	0.20	1.24	99.56	<1	149	<5	20	1	<20	10	<30	30	3	<5
588433	71.28	16.66	0.52	0.018	0.14	0.85	7.44	1.53	0.005	0.35	1.09	99.88	<1	188	<5	20	1	<20	20	<30	28	4	<5
588434	62.24	14.49	6.77	0.185	3.52	2.54	3.25	1.30	0.534	0.56	4.17	99.55	16	23	113	230	23	100	10	60	26	2	<5
588435	66.22	13.35	6.36	0.115	2.82	1.76	2.79	2.07	0.555	0.10	2.22	98.34	14	6	114	160	20	60	40	60	16	2	<5
588436	66.70	13.73	6.67	0.115	2.94	1.82	2.78	2.11	0.602	0.09	2.14	99.71	15	5	121	160	21	60	50	60	16	2	<5
588437	63.63	15.05	7.48	0.113	3.10	1.48	2.76	2.22	0.539	0.09	2.38	98.84	15	3	117	150	22	70	30	110	18	2	<5
588438	60.86	15.53	8.84	0.167	3.41	1.47	2.46	2.75	0.572	0.15	2.63	98.83	17	8	124	150	22	70	10	70	19	2	<5
588439	74.55	15.43	0.41	0.016	0.04	0.33	5.30	2.26	0.008	0.24	0.79	99.36	<1	197	<5	<20	<1	<20	<10	<30	28	3	<5
588440	73.33	14.56	0.69	0.594	0.04	0.73	0.58	6.17	0.051	<0.01	2.15	98.91	12	5	5	100	<1	<20	150	480	26	6	42
588441	72.18	17.21	0.48	0.041	0.10	0.24	3.97	4.30	0.004	0.23	0.55	99.29	<1	93	<5	<20	<1	<20	<10	60	26	4	<5
588442	74.35	16.65	0.60	0.091	0.07	0.24	3.54	2.83	0.003	0.29	0.58	99.25	<1	232	<5	20	<1	<20	<10	<30	31	4	<5
588443	76.26	13.55	0.68	0.137	0.07	0.39	4.76	2.21	0.004	0.60	0.66	99.32	<1	140	<5	30	<1	<20	<10	40	29	3	<5
588444	71.05	17.33	0.93	0.243	0.09	0.44	3.63	3.39	0.004	0.86	0.98	98.95	<1	247	<5	30	<1	<20	<10	120	36	4	<5
588445	71.60	16.32	0.48	0.076	0.05	0.49	6.32	2.45	0.003	0.50	0.83	99.13	<1	226	<5	<20	<1	<20	<10	<30	32	3	<5
588446	76.65	13.46	0.62	0.111	0.08	0.37	4.98	2.40	0.003	0.52	0.71	99.90	<1	159	<5	30	<1	<20	<10	<30	27	3	<5
588447	76.63	14.80	0.72	0.113	0.09	0.31	4.10	1.54	0.004	0.41	0.76	99.49	<1	233	<5	30	<1	<20	10	80	33	3	<5
588448	72.76	16.07	0.61	0.049	0.19	0.45	3.94	4.36	0.003	0.27	0.86	99.58	<1	314	<5	30	<1	<20	10	<30	29	3	<5
588449	72.61	16.26	0.55	0.068	0.10	0.31	4.00	3.84	0.002	0.28	0.52	98.52	<1	161	<5	20	<1	<20	<10	40	28	4	<5
588450	98.07	0.56	0.84	0.010	0.03	0.02	0.13	0.09	0.024	<0.01	0.04	99.81	<1	2	<5	<20	<1	<20	<10	<30	<1	<1	<5
588451	73.55	15.30	0.47	0.053	0.08	0.22	3.88	4.02	0.002	0.25	0.54	98.35	<1	159	<5	<20	<1	<20	<10	<30	23	3	<5
588452	72.16	16.64	0.50	0.047	0.06	0.28	4.08	5.08	0.003	0.27	0.64	99.74	<1	152	<5	20	<1	<20	<10	<30	26	4	<5



Results

Activation Laboratories Ltd.

Report: A18-03395

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
588453	73.08	16.22	0.36	0.029	0.03	0.31	6.70	1.40	0.003	0.22	0.68	99.04	<1	184	<5	20	<1	<20	<10	<30	27	3	<5
588454	59.02	15.19	10.52	0.192	3.65	1.49	2.10	2.97	0.608	0.13	2.58	98.43	20	27	144	180	27	90	80	80	21	2	<5
588455	58.60	16.20	9.88	0.117	3.82	1.71	2.28	3.39	0.644	0.13	2.25	99.01	21	2	153	180	28	80	60	90	21	2	<5
588456	57.40	16.41	9.97	0.124	3.87	1.74	2.27	3.29	0.667	0.13	2.29	98.17	21	3	154	180	27	90	60	90	20	2	<5
588457	53.87	15.72	8.80	0.107	4.88	6.76	3.61	2.03	1.608	0.26	1.21	98.86	17	4	143	120	29	50	40	110	21	3	<5
588458	51.74	15.53	9.92	0.129	5.42	7.27	3.15	2.10	1.868	0.29	1.43	98.85	17	3	162	120	33	60	40	120	22	4	<5
588459	70.69	19.20	0.78	0.053	0.09	0.39	3.94	1.16	0.029	0.26	0.53	97.11	<1	11	<5	30	<1	<20	<10	<30	42	6	<5
588460	73.74	13.92	0.69	0.605	0.04	0.73	0.64	6.72	0.054	<0.01	1.98	99.13	12	5	<5	110	<1	<20	170	520	28	5	46
588461	62.27	15.80	5.33	0.094	2.57	3.59	4.32	2.12	0.939	0.64	1.37	99.06	9	32	74	80	15	30	30	100	29	5	<5
588462	69.82	21.56	0.54	0.058	0.03	0.13	1.97	0.22	0.005	0.10	0.27	94.70	<1	33	<5	40	<1	<20	<10	<30	49	8	<5
588463	69.71	21.23	0.53	0.055	0.03	0.11	1.51	0.68	0.003	0.05	0.52	94.43	<1	3	<5	40	<1	<20	<10	210	51	7	<5
588464	73.19	17.14	0.68	0.061	0.03	0.54	3.60	0.43	0.006	0.34	0.46	96.47	<1	58	<5	40	<1	<20	<10	<30	39	5	<5
588465	53.89	15.57	9.83	0.117	5.35	6.88	3.05	2.08	1.735	0.34	1.42	100.3	16	4	164	130	32	60	30	110	21	3	<5
588466	51.43	15.94	10.60	0.117	5.77	7.74	3.40	1.89	1.853	0.24	1.17	99.95	17	1	181	120	37	70	40	110	21	3	<5
588468	66.60	14.28	5.99	0.071	2.60	2.08	3.05	2.35	0.587	0.12	1.81	99.55	14	4	103	160	19	50	50	70	18	2	<5
588469	73.58	15.80	0.61	0.015	0.17	0.33	5.65	1.83	0.032	0.14	1.02	99.19	<1	47	8	30	1	<20	<10	<30	30	3	<5
588470	98.49	0.80	0.70	0.006	0.04	0.04	0.13	0.07	0.030	<0.01	0.09	100.2	<1	<1	<5	<20	<1	<20	<10	<30	1	<1	<5
588471	73.93	15.55	0.32	0.011	0.06	0.45	6.83	1.23	0.006	0.26	0.75	99.38	<1	187	<5	<20	<1	<20	<10	<30	24	4	<5
588472	65.64	14.71	6.19	0.074	2.86	1.92	3.39	1.92	0.576	0.16	2.32	99.76	13	6	97	160	19	50	60	60	19	2	<5
588473	63.28	13.79	6.04	0.081	3.88	3.67	2.51	2.32	0.608	0.21	2.35	98.73	15	2	114	170	23	80	50	80	18	1	<5
588474	62.27	15.07	7.53	0.086	3.40	1.82	3.18	2.58	0.578	0.20	1.90	98.61	17	4	124	170	23	70	60	70	20	2	<5
588475	64.00	14.89	6.30	0.103	3.05	2.32	2.99	2.71	0.552	0.40	1.99	99.11	15	21	112	180	21	70	40	60	21	2	<5
588476	64.25	15.08	6.21	0.095	3.03	2.23	3.19	2.78	0.569	0.29	1.98	99.71	15	9	111	180	21	70	40	70	20	2	<5
588477	73.41	14.98	0.83	0.180	0.19	0.35	4.19	3.33	0.031	0.25	0.77	98.52	<1	113	11	30	1	<20	<10	<30	28	4	<5
588478	77.89	13.61	0.52	0.090	0.12	0.23	3.12	2.67	0.005	0.24	0.70	99.21	<1	177	<5	<20	<1	<20	<10	30	28	3	<5
588479	75.73	14.52	0.51	0.049	0.12	0.37	3.89	2.89	0.003	0.19	0.53	98.60	<1	141	<5	20	<1	<20	<10	40	27	3	<5
588480	74.77	13.22	0.68	0.604	0.03	0.73	0.63	6.66	0.055	<0.01	2.05	99.45	12	5	<5	120	<1	<20	180	550	29	6	55
588481	74.81	15.56	0.55	0.069	0.25	0.29	4.48	2.12	0.004	0.25	0.89	99.28	<1	194	<5	<20	<1	<20	<10	30	32	4	<5
588482	74.98	14.86	0.55	0.107	0.06	0.19	3.24	4.82	0.003	0.39	0.43	99.63	<1	81	<5	20	<1	<20	<10	40	26	3	<5
588483	75.02	14.97	0.64	0.080	0.13	0.36	5.07	1.52	0.011	0.31	0.79	98.91	<1	205	<5	20	<1	<20	<10	<30	30	3	<5
588484	64.90	15.05	6.43	0.087	2.77	2.44	3.27	2.45	0.586	0.16	1.40	99.55	14	6	111	200	21	70	40	70	19	2	<5
588485	64.29	14.74	6.77	0.090	2.71	2.53	3.01	2.55	0.596	0.14	1.30	98.72	16	2	118	210	29	70	120	120	18	1	<5
588486	75.33	14.14	0.41	0.017	0.06	0.78	6.03	1.46	0.009	0.27	1.02	99.52	<1	368	<5	<20	<1	<20	<10	<30	25	4	<5
588487	58.82	16.13	8.82	0.118	3.41	1.80	3.08	3.14	0.642	0.16	2.19	98.30	18	7	136	190	25	90	60	70	21	2	<5
588488	74.12	14.75	0.54	0.025	0.07	0.55	5.58	2.00	0.015	0.38	0.99	99.03	<1	179	6	<20	<1	<20	<10	<30	32	3	<5
588489	66.42	14.16	5.55	0.081	2.89	2.23	2.92	2.23	0.526	0.49	1.85	99.14	13	7	99	190	20	70	20	60	19	2	<5



Results

Activation Laboratories Ltd.

Report: A18-03395

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Ti	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-Na2O2	FUS-Na2O2
588213	155	208	15	114	5	< 2	< 0.5	< 0.2	< 1	< 0.5	58.8	539	0.6	2.6	0.4	1	1.0	43	7.8	2.1	0.14	0.30
588214	375	242	14	115	5	2	< 0.5	< 0.2	4	< 0.5	206	458	0.4	2.6	0.9	55	2.7	16	7.6	2.1	0.12	0.25
588215	621	66	2	9	36	< 2	< 0.5	< 0.2	83	< 0.5	33.6	58	< 0.4	1.7	46.7	< 1	4.0	12	1.1	13.7	0.18	0.40
588216	639	63	< 2	13	49	< 2	< 0.5	< 0.2	70	< 0.5	35.2	56	0.5	1.6	96.9	1	4.5	14	1.7	11.8	0.13	0.29
588217	915	39	< 2	9	36	< 2	< 0.5	< 0.2	93	< 0.5	41.1	142	< 0.4	1.5	24.0	< 1	6.2	10	0.9	7.0	0.03	0.06
588218	978	64	< 2	8	34	< 2	< 0.5	< 0.2	70	< 0.5	47.6	155	< 0.4	0.4	20.8	5	7.2	10	0.7	4.7	0.08	0.18
588219	918	37	2	< 4	43	< 2	< 0.5	< 0.2	86	< 0.5	69.6	96	< 0.4	0.5	26.5	< 1	6.7	12	0.7	5.7	0.05	0.11
588220	2220	24	14	74	63	6	2.0	0.3	13	18.8	66.0	90	40.6	5.6	11.2	117	14.7	518	28.4	49.7	0.26	0.56
588221	680	27	2	6	24	< 2	< 0.5	< 0.2	83	< 0.5	49.1	94	< 0.4	0.7	17.5	< 1	5.3	12	1.0	6.5	0.04	0.08
588222	829	122	5	62	24	< 2	< 0.5	< 0.2	88	< 0.5	122	158	< 0.4	1.5	18.6	< 1	6.4	6	3.1	2.5	0.06	0.14
588223	839	163	7	74	28	< 2	< 0.5	< 0.2	104	< 0.5	112	217	0.5	2.6	20.5	< 1	7.0	9	5.2	4.3	0.08	0.16
588224	523	34	< 2	16	51	< 2	< 0.5	< 0.2	107	< 0.5	24.2	30	< 0.4	1.2	28.9	< 1	3.0	6	1.0	10.0	0.05	0.11
588225	778	36	< 2	16	37	< 2	< 0.5	< 0.2	73	< 0.5	38.9	33	0.4	1.5	19.9	< 1	5.6	14	1.1	13.3	0.85	1.40
588226	589	56	< 2	4	13	< 2	< 0.5	< 0.2	84	< 0.5	36.2	161	1.7	0.4	6.5	< 1	4.2	10	0.7	6.6	0.53	1.14
588227	499	36	< 2	5	94	< 2	< 0.5	< 0.2	89	< 0.5	38.1	130	3.7	0.6	56.5	< 1	3.4	9	0.6	5.3	1.03	2.21
588228	557	32	< 2	7	34	2	0.5	< 0.2	89	< 0.5	40.4	94	3.1	0.6	24.2	< 1	3.3	7	0.5	3.5	1.17	2.51
588229	518	33	< 2	4	15	< 2	< 0.5	< 0.2	81	< 0.5	37.0	94	0.7	0.4	10.9	< 1	3.3	5	0.3	2.1	1.02	2.19
588230	2	< 2	4	45	< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	12	< 0.4	1.3	0.2	< 1	0.6	< 5	2.0	0.5	< 0.01	< 0.01
588231	825	31	< 2	5	14	< 2	< 0.5	< 0.2	51	< 0.5	39.9	23	2.6	0.6	12.0	< 1	5.9	11	0.5	2.9	0.41	0.89
588232	853	23	< 2	10	32	2	< 0.5	< 0.2	45	< 0.5	39.1	26	7.0	1.5	26.2	< 1	6.3	16	1.4	6.8	0.39	0.83
588233	1250	27	2	12	43	< 2	< 0.5	< 0.2	116	< 0.5	45.5	20	< 0.4	1.6	37.0	5	9.4	13	1.2	3.6	0.02	0.05
588234	223	242	14	124	5	< 2	0.5	< 0.2	5	< 0.5	27.0	499	< 0.4	2.8	0.7	< 1	2.8	15	7.4	2.2	0.12	0.25
588235	84	287	13	123	5	2	< 0.5	< 0.2	1	< 0.5	15.6	410	< 0.4	2.4	0.5	< 1	0.6	11	6.5	2.0	0.08	0.18
588236	91	284	13	121	5	< 2	0.5	< 0.2	< 1	< 0.5	15.9	417	< 0.4	2.7	0.4	< 1	0.8	13	6.9	1.8	0.09	0.19
588250	3	< 2	4	48	< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	11	< 0.4	1.4	0.2	< 1	0.3	< 5	1.5	0.5	< 0.01	< 0.01
588251	154	280	14	143	5	2	0.6	< 0.2	3	< 0.5	137	455	0.5	3.5	0.5	< 1	0.9	14	8.3	2.4	0.09	0.20
588252	350	248	11	133	5	3	0.5	< 0.2	10	< 0.5	184	453	1.5	3.1	0.6	< 1	2.7	16	7.8	2.2	0.09	0.20
588253	1790	39	< 2	4	55	< 2	< 0.5	< 0.2	25	< 0.5	87.0	21	1.4	0.4	49.0	< 1	14.0	23	0.4	4.4	0.03	0.07
588254	923	25	< 2	9	81	< 2	< 0.5	< 0.2	65	< 0.5	46.4	31	< 0.4	1.3	60.3	< 1	7.0	11	0.5	5.9	0.07	0.16
588255	829	35	< 2	18	34	< 2	< 0.5	< 0.2	40	< 0.5	46.0	31	1.9	1.4	30.8	< 1	6.6	13	1.0	5.5	0.03	0.07
588256	882	39	< 2	23	32	< 2	< 0.5	< 0.2	33	< 0.5	49.0	30	1.6	1.7	25.2	< 1	7.1	15	1.0	5.0	0.04	0.08
588257	913	265	12	148	13	4	0.5	< 0.2	59	< 0.5	434	445	1.4	3.3	4.9	< 1	7.5	19	7.6	2.7	0.13	0.28
588258	824	240	13	130	18	< 2	< 0.5	< 0.2	62	< 0.5	402	431	0.8	3.0	7.1	< 1	6.7	10	7.2	2.3	0.14	0.30
588259	1430	44	< 2	4	19	< 2	< 0.5	< 0.2	34	< 0.5	81.7	35	0.6	0.3	12.3	< 1	11.3	17	0.2	1.8	0.18	0.38
588260	2130	24	13	72	57	6	2.9	0.3	13	18.2	65.2	89	51.8	4.7	11.1	115	14.6	467	25.2	48.0	0.26	0.57
588261	1080	25	< 2	5	27	< 2	< 0.5	< 0.2	41	< 0.5	64.4	19	1.2	0.5	22.0	1	9.4	17	0.4	4.0	0.33	0.70
588262	351	36	< 2	5	53	< 2	< 0.5	< 0.2	55	< 0.5	20.0	26	1.7	0.8	50.8	< 1	3.1	7	0.5	2.0	0.03	0.07
588263	322	283	15	131	7	< 2	< 0.5	< 0.2	12	< 0.5	166	375	1.5	3.1	1.4	7	3.3	11	7.0	2.1	0.12	0.25
588264	284	270	14	118	5	< 2	0.5	< 0.2	4	< 0.5	197	373	0.5	2.8	0.4	3	2.4	12	6.1	1.7	0.17	0.37
588265	526	265	14	132	6	2	0.5	< 0.2	12	< 0.5	260	480	1.0	3.3	0.4	< 1	3.8	16	7.0	1.8	0.11	0.25
588266	568	239	12	127	7	< 2	0.5	< 0.2	23	< 0.5	217	386	1.5	3.3	1.5	< 1	4.7	10	6.8	2.1	0.11	0.23

Results

Activation Laboratories Ltd.

Report: A18-03395

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Ti	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-Na2O2	FUS-Na2O2
588267	902	26	<2	15	252	3	<0.5	<0.2	109	<0.5	40.1	36	<0.4	1.8	224	1	5.1	19	1.4	16.1	0.04	0.08
588268	316	47	<2	6	42	3	<0.5	<0.2	75	<0.5	27.6	22	3.5	0.9	30.6	<1	2.2	12	0.9	7.2	1.04	2.23
588269	518	34	<2	11	23	<2	<0.5	<0.2	69	<0.5	35.2	43	1.5	1.1	18.1	<1	3.8	8	0.4	3.1	0.69	1.49
588270	4	3	4	58	1	<2	<0.5	<0.2	<1	<0.5	1.6	13	<0.4	2.1	0.3	<1	0.6	<5	2.4	0.7	<0.01	<0.01
588271	733	46	<2	11	45	<2	<0.5	<0.2	90	<0.5	38.1	60	0.5	0.9	56.4	<1	4.5	8	0.7	4.2	0.05	0.10
588272	710	82	7	44	47	<2	<0.5	<0.2	134	<0.5	54.7	90	0.7	1.8	51.8	4	4.6	9	2.5	5.7	0.39	0.84
588273	854	87	5	49	46	<2	<0.5	<0.2	82	<0.5	164	145	<0.4	1.9	39.9	<1	6.5	8	2.7	4.2	0.06	0.14
588274	576	21	<2	7	37	<2	<0.5	<0.2	64	<0.5	38.1	21	1.3	0.8	47.1	<1	3.5	10	0.9	3.3	0.52	1.12
588275	359	18	<2	8	27	<2	<0.5	<0.2	32	<0.5	27.3	10	2.7	0.8	31.0	1	2.7	11	0.6	4.6	0.13	0.29
588276	494	20	<2	13	26	<2	<0.5	<0.2	36	<0.5	35.5	15	5.3	1.3	29.2	<1	3.5	12	0.7	6.5	0.16	0.35
588277	249	36	<2	6	30	<2	<0.5	<0.2	73	<0.5	23.4	54	2.0	0.8	32.6	<1	1.6	<5	0.8	2.7	1.15	2.48
588278	1230	29	<2	10	30	3	<0.5	<0.2	50	<0.5	74.1	36	4.5	1.3	51.7	<1	9.5	16	1.0	4.6	0.46	0.98
588279	409	19	<2	7	31	<2	<0.5	<0.2	55	<0.5	17.4	12	9.6	0.8	32.0	2	3.1	6	0.8	2.6	0.01	0.02
588280	2260	23	14	74	66	6	2.0	0.3	13	20.2	65.8	84	48.7	5.6	11.6	117	14.4	473	24.5	43.8	0.27	0.58
588281	298	250	12	126	8	3	0.7	<0.2	21	<0.5	108	315	2.8	2.8	5.3	<1	3.7	15	6.3	1.9	0.09	0.19
588282	276	299	12	120	5	2	<0.5	<0.2	9	<0.5	111	450	0.8	2.4	0.5	<1	2.2	11	6.3	2.1	0.10	0.21
588283	36	191	24	88	4	<2	<0.5	<0.2	1	<0.5	5.1	176	0.6	1.9	0.3	<1	0.8	5	1.3	0.4	<0.01	0.01
588284	26	170	24	86	5	<2	<0.5	<0.2	5	<0.5	5.5	144	1.4	2.0	0.3	<1	0.5	<5	1.3	0.3	<0.01	0.01
588285	258	158	19	71	7	<2	<0.5	<0.2	6	<0.5	18.1	184	<0.4	1.6	3.0	<1	2.0	6	1.3	0.7	0.01	0.03
588286	154	89	2	21	25	<2	<0.5	<0.2	38	<0.5	3.1	98	<0.4	1.6	21.7	<1	0.8	8	0.7	8.5	<0.01	<0.01
588287	2030	97	<2	13	33	<2	<0.5	<0.2	59	<0.5	132	438	<0.4	0.9	28.5	<1	14.2	17	0.6	3.8	<0.01	0.01
588288	14	112	14	68	6	<2	<0.5	<0.2	5	<0.5	3.4	70	<0.4	2.6	2.7	<1	1.7	<5	0.9	3.2	0.01	0.02
588289	30	158	24	86	5	<2	<0.5	<0.2	3	<0.5	8.1	120	<0.4	2.0	0.4	<1	0.8	<5	1.3	0.4	<0.01	0.02
588290	2	3	4	53	<1	<2	<0.5	<0.2	<1	<0.5	<0.5	17	<0.4	1.4	0.2	7	0.4	<5	1.6	0.5	<0.01	<0.01
588291	543	84	3	11	14	<2	<0.5	<0.2	35	<0.5	16.9	181	<0.4	0.7	8.2	<1	3.1	7	0.9	5.5	<0.01	<0.01
588292	864	93	<2	6	13	<2	<0.5	<0.2	41	<0.5	24.7	301	<0.4	0.3	7.9	<1	5.0	7	0.6	1.8	<0.01	<0.01
588293	1150	69	<2	7	12	<2	<0.5	<0.2	37	<0.5	35.6	242	<0.4	0.4	8.0	<1	7.5	11	0.4	1.7	<0.01	<0.01
588294	601	60	<2	15	18	<2	<0.5	<0.2	26	<0.5	20.7	157	0.5	0.7	20.3	2	4.3	9	1.1	3.0	<0.01	<0.01
588295	144	334	14	133	6	2	<0.5	<0.2	5	<0.5	26.2	499	<0.4	3.1	0.5	2	1.7	22	7.1	2.0	0.05	0.11
588296	151	344	14	129	6	4	<0.5	<0.2	5	<0.5	27.2	514	<0.4	2.9	0.6	1	1.5	22	7.3	2.0	0.05	0.11
588297	134	388	14	116	5	<2	<0.5	<0.2	3	<0.5	24.2	735	<0.4	2.7	0.5	<1	1.2	17	6.6	1.8	0.05	0.10
588402	361	97	3	32	34	<2	<0.5	<0.2	39	<0.5	58.4	176	<0.4	1.6	84.3	<1	2.7	14	2.2	4.2	0.02	0.05
588403	274	106	6	53	55	<2	<0.5	<0.2	25	<0.5	26.4	200	<0.4	3.0	149	<1	2.2	22	3.3	6.9	0.02	0.03
588404	129	404	13	147	5	<2	<0.5	<0.2	2	<0.5	30.2	563	<0.4	3.3	0.6	<1	1.2	15	8.6	2.5	0.08	0.17
588405	170	386	11	156	6	<2	<0.5	<0.2	15	<0.5	27.9	475	<0.4	3.3	0.8	<1	1.4	12	8.6	3.7	0.08	0.17
588406	1690	49	<2	7	25	<2	<0.5	<0.2	20	<0.5	78.7	52	0.7	0.5	29.9	<1	12.6	21	0.3	2.0	<0.01	<0.01
588407	679	31	<2	24	77	<2	<0.5	<0.2	92	<0.5	41.9	36	0.6	3.2	119	2	5.3	19	1.2	12.4	0.47	1.02
588408	859	49	<2	7	53	<2	<0.5	<0.2	72	<0.5	48.9	91	1.1	0.7	33.9	<1	6.8	15	0.6	5.3	0.59	1.26
588409	584	63	<2	8	44	<2	<0.5	<0.2	83	<0.5	37.0	83	1.9	0.9	30.2	<1	4.7	14	0.6	4.5	0.70	1.50
588410	5	2	4	48	<1	<2	<0.5	<0.2	<1	<0.5	<0.5	15	<0.4	1.2	0.5	<1	0.7	<5	1.6	0.5	<0.01	<0.01
588411	415	38	<2	5	28	<2	<0.5	<0.2	74	<0.5	34.1	38	3.5	0.3	24.6	1	3.0	13	0.6	5.9	0.84	1.80
588412	328	52	<2	5	31	<2	<0.5	<0.2	72	<0.5	25.3	74	2.2	0.5	20.2	<1	2.4	6	0.4	2.6	1.10	2.36

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Ti	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-Na2O2	FUS-Na2O2
588413	730	54	< 2	7	27	< 2	< 0.5	< 0.2	50	< 0.5	43.9	53	3.9	0.5	20.3	< 1	5.3	18	0.9	10.8	0.31	0.66
588414	1070	61	< 2	11	43	< 2	< 0.5	< 0.2	83	< 0.5	63.8	64	4.0	0.8	43.1	2	8.1	14	0.6	8.8	0.29	0.63
588415	353	62	< 2	14	32	< 2	< 0.5	< 0.2	105	< 0.5	60.0	105	21.8	1.8	24.2	< 1	2.2	13	0.7	9.5	1.11	2.39
588416	509	50	< 2	5	27	< 2	< 0.5	< 0.2	87	< 0.5	54.2	93	26.0	0.4	17.7	< 1	3.4	20	0.6	8.6	0.67	1.43
588417	708	33	< 2	7	37	< 2	< 0.5	< 0.2	65	< 0.5	45.2	73	1.5	0.6	34.1	< 1	5.2	10	0.6	5.4	0.22	0.48
588418	815	132	3	24	57	< 2	< 0.5	< 0.2	172	< 0.5	62.6	174	3.0	1.2	63.0	3	5.0	7	1.4	5.1	0.04	0.08
588419	504	35	< 2	11	37	< 2	< 0.5	< 0.2	47	< 0.5	20.4	49	< 0.4	1.2	41.0	< 1	4.1	9	0.9	2.6	< 0.01	0.01
588420	2210	24	14	80	68	6	2.1	8.0	15	20.8	67.6	89	27.6	5.4	11.2	115	14.2	437	25.2	45.1	0.27	0.59
588421	820	32	< 2	12	44	< 2	< 0.5	< 0.2	49	< 0.5	51.7	130	0.4	1.3	39.3	< 1	7.3	10	0.6	6.1	0.01	0.03
588422	868	34	< 2	5	55	< 2	< 0.5	< 0.2	79	< 0.5	76.5	124	1.5	0.7	42.4	< 1	6.8	14	0.6	13.6	0.32	0.69
588423	1130	34	< 2	6	48	< 2	< 0.5	< 0.2	71	< 0.5	87.0	94	0.5	0.7	32.5	< 1	9.3	12	0.4	4.6	0.36	0.77
588424	862	35	< 2	8	49	< 2	< 0.5	< 0.2	106	< 0.5	68.0	167	1.2	1.2	44.6	< 1	6.5	10	0.9	7.0	0.01	0.03
588425	294	24	3	11	104	< 2	< 0.5	< 0.2	89	< 0.5	28.4	100	1.2	1.1	68.9	3	1.3	12	1.2	17.4	0.01	0.02
588426	844	30	3	10	36	< 2	< 0.5	< 0.2	61	< 0.5	63.7	139	0.9	0.7	24.2	< 1	5.6	14	0.5	18.7	0.01	0.03
588427	1260	43	< 2	5	28	< 2	< 0.5	< 0.2	55	< 0.5	77.0	191	0.6	0.5	22.0	< 1	9.0	14	0.7	4.3	0.02	0.03
588428	821	31	< 2	5	38	< 2	< 0.5	< 0.2	37	< 0.5	53.1	98	0.7	0.6	25.2	1	6.5	12	0.7	4.6	0.16	0.35
588429	474	36	< 2	10	56	< 2	< 0.5	< 0.2	46	< 0.5	37.1	160	0.5	1.0	41.5	< 1	3.8	13	1.3	8.6	0.12	0.25
588430	4	4	3	46	< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	33	< 0.4	1.3	0.3	2	0.5	< 5	1.3	0.5	< 0.01	< 0.01
588431	681	45	< 2	10	42	< 2	< 0.5	< 0.2	102	< 0.5	50.9	226	0.6	1.1	46.2	< 1	3.7	10	1.1	6.9	0.22	0.48
588432	794	26	< 2	6	27	< 2	< 0.5	< 0.2	68	< 0.5	40.9	90	0.5	0.6	29.1	< 1	5.3	11	0.6	3.2	0.03	0.05
588433	371	32	3	18	45	< 2	< 0.5	< 0.2	57	< 0.5	19.9	41	0.8	1.7	35.0	< 1	2.8	10	1.2	7.2	< 0.01	0.02
588434	162	101	9	108	16	< 2	< 0.5	< 0.2	74	< 0.5	14.0	204	0.4	2.8	9.7	3	1.3	18	5.4	10.0	0.10	0.22
588435	234	202	10	125	4	< 2	< 0.5	< 0.2	9	< 0.5	85.2	451	< 0.4	2.8	0.6	1	2.0	10	6.8	2.4	0.09	0.20
588436	244	211	11	126	4	< 2	< 0.5	< 0.2	8	< 0.5	91.1	472	< 0.4	3.0	0.5	< 1	2.1	11	7.2	2.3	0.09	0.20
588437	187	157	11	117	4	4	< 0.5	< 0.2	2	< 0.5	66.3	462	< 0.4	2.7	0.5	< 1	1.3	10	7.0	2.0	0.11	0.23
588438	420	166	11	129	5	< 2	< 0.5	< 0.2	14	< 0.5	133	500	0.4	3.0	0.6	< 1	3.4	11	6.9	3.7	0.13	0.27
588439	659	27	< 2	8	29	< 2	< 0.5	< 0.2	69	< 0.5	37.4	20	< 0.4	0.8	24.9	1	4.4	9	0.7	5.0	0.01	0.03
588440	1860	23	13	75	51	4	1.6	0.3	11	11.9	57.0	88	26.8	5.2	9.6	98	11.9	401	22.6	39.9	0.27	0.57
588441	1110	32	< 2	7	119	< 2	< 0.5	< 0.2	44	< 0.5	74.9	37	< 0.4	0.7	82.7	1	9.5	17	0.6	4.9	0.40	0.87
588442	784	34	< 2	< 4	34	< 2	< 0.5	< 0.2	67	< 0.5	40.3	47	0.5	0.4	18.6	< 1	6.2	14	0.8	5.5	0.69	1.49
588443	595	31	< 2	10	18	< 2	< 0.5	< 0.2	50	< 0.5	33.2	29	2.2	0.9	13.8	< 1	4.5	12	0.9	9.9	0.18	0.40
588444	928	44	< 2	20	35	< 2	< 0.5	< 0.2	105	< 0.5	64.7	34	1.1	1.9	32.1	< 1	6.4	14	0.9	9.5	0.53	1.14
588445	717	32	< 2	9	26	< 2	< 0.5	< 0.2	63	< 0.5	41.8	21	1.1	0.8	19.5	2	5.1	10	1.2	8.2	0.04	0.09
588446	650	30	< 2	8	14	< 2	< 0.5	< 0.2	48	< 0.5	39.4	26	1.7	0.4	5.8	1	4.6	11	0.5	9.3	0.06	0.13
588447	429	26	< 2	6	26	< 2	< 0.5	< 0.2	71	< 0.5	30.5	30	14.3	0.5	15.4	4	3.0	14	0.7	9.6	0.44	0.94
588448	1040	67	< 2	4	21	< 2	< 0.5	< 0.2	50	< 0.5	69.7	157	0.8	0.5	16.4	3	7.7	15	0.5	4.8	0.34	0.73
588449	878	60	< 2	6	24	< 2	< 0.5	< 0.2	48	< 0.5	51.7	138	1.5	0.6	21.6	< 1	6.8	12	0.7	2.5	0.54	1.17
588450	5	3	3	59	< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	18	< 0.4	1.6	0.2	21	0.8	< 5	1.7	0.6	< 0.01	< 0.01
588451	1050	33	< 2	5	18	< 2	< 0.5	< 0.2	37	< 0.5	63.6	33	0.7	0.5	15.2	< 1	7.8	14	0.8	2.8	0.38	0.83
588452	1310	42	< 2	7	21	< 2	< 0.5	< 0.2	45	< 0.5	71.0	81	0.4	0.9	18.6	< 1	10.6	17	0.6	2.5	0.31	0.66
588453	424	23	< 2	12	32	< 2	< 0.5	< 0.2	52	< 0.5	21.3	17	0.4	1.0	28.3	3	3.6	8	1.1	5.0	0.02	0.05

Results

Activation Laboratories Ltd.

Report: A18-03395

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-Na2O2	FUS-Na2O2
589454	433	180	12	119	6	< 2	< 0.5	< 0.2	22	< 0.5	220	398	1.1	2.8	0.8	4	3.7	11	6.9	3.2	0.15	0.32
589455	169	191	12	118	6	3	< 0.5	< 0.2	2	< 0.5	69.9	608	0.8	2.6	0.5	4	1.5	13	7.3	3.1	0.14	0.29
589456	186	205	15	116	6	2	< 0.5	< 0.2	3	< 0.5	78.4	586	0.7	2.7	0.5	< 1	1.4	13	7.2	3.1	0.14	0.30
589457	76	839	15	124	6	< 2	< 0.5	< 0.2	5	< 0.5	96.4	582	1.2	3.2	0.3	4120	0.6	9	3.5	1.1	0.06	0.14
589458	122	830	18	121	7	< 2	< 0.5	< 0.2	6	< 0.5	97.3	610	1.1	3.0	0.4	44	1.0	8	2.8	0.9	0.08	0.17
589459	378	50	< 2	15	36	< 2	< 0.5	< 0.2	267	< 0.5	36.8	23	4.0	1.9	20.0	18	2.5	8	0.3	3.2	1.34	2.89
589460	2020	26	14	78	62	5	1.9	0.2	12	14.7	61.3	93	32.5	5.6	10.5	122	12.8	430	25.1	44.6	0.28	0.60
589461	758	446	10	105	43	< 2	0.6	< 0.2	75	< 0.5	297	381	1.4	2.7	29.0	10	7.0	9	3.1	1.8	0.09	0.19
589462	106	24	< 2	< 4	2	< 2	< 0.5	< 0.2	226	< 0.5	54.4	13	3.9	0.5	19.9	9	1.5	9	< 0.1	2.6	2.37	5.11
589463	266	24	< 2	< 4	4	< 2	< 0.5	< 0.2	135	< 0.5	71.8	12	3.0	0.4	29.8	8	1.9	5	< 0.1	0.7	2.30	4.94
589464	148	77	< 2	7	37	< 2	< 0.5	< 0.2	183	< 0.5	33.0	23	4.6	0.9	20.0	6	1.2	7	0.6	2.8	1.37	2.94
589465	164	834	17	145	10	< 2	< 0.5	< 0.2	9	< 0.5	128	506	1.1	3.7	2.4	7	1.3	8	3.8	1.2	0.09	0.20
589466	58	900	17	130	7	< 2	< 0.5	< 0.2	2	< 0.5	79.5	436	2.6	3.3	0.4	7	0.5	9	3.3	0.9	0.06	0.13
589468	522	315	14	172	6	< 2	0.6	< 0.2	7	< 0.5	259	575	< 0.4	3.9	0.6	3	5.1	15	9.0	2.6	0.10	0.21
589469	650	42	< 2	18	56	< 2	< 0.5	< 0.2	76	< 0.5	52.2	56	< 0.4	2.0	136	3	4.7	9	0.9	3.5	0.01	0.02
589470	5	5	4	58	< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	1.4	16	< 0.4	1.6	0.2	2	0.5	< 5	1.6	0.5	< 0.01	< 0.01
589471	390	51	< 2	16	46	< 2	< 0.5	< 0.2	47	< 0.5	25.5	59	< 0.4	1.8	78.8	4	2.5	10	1.0	5.6	< 0.01	0.01
589472	253	309	14	200	8	< 2	0.5	< 0.2	8	< 0.5	107	462	< 0.4	4.6	4.2	4	2.4	15	9.8	3.3	0.07	0.15
589473	156	381	16	178	6	< 2	0.7	< 0.2	< 1	< 0.5	96.0	614	< 0.4	4.0	0.5	2	1.1	16	8.8	2.7	0.07	0.14
589474	218	254	12	128	6	2	0.5	< 0.2	7	< 0.5	96.0	567	< 0.4	3.0	0.5	4	1.5	14	8.4	2.5	0.12	0.26
589475	288	283	12	143	10	< 2	0.6	< 0.2	40	< 0.5	95.4	616	< 0.4	3.4	3.7	2	2.1	13	8.6	3.0	0.10	0.21
589476	297	300	11	143	7	< 2	< 0.5	< 0.2	30	< 0.5	104	623	< 0.4	3.3	2.0	4	2.2	15	8.5	2.8	0.09	0.20
589477	978	42	2	17	41	< 2	< 0.5	< 0.2	103	< 0.5	39.0	58	0.4	0.9	21.5	< 1	7.3	13	1.1	5.8	0.22	0.46
589478	731	21	< 2	5	29	< 2	< 0.5	< 0.2	67	< 0.5	53.8	36	1.4	0.4	19.5	3	5.5	11	0.6	3.8	0.53	1.15
589479	686	23	< 2	6	36	< 2	< 0.5	< 0.2	60	< 0.5	43.4	43	< 0.4	0.7	23.4	3	5.2	14	0.5	4.4	0.60	1.29
589480	2160	26	14	81	70	5	2.2	0.3	13	15.6	63.7	93	49.8	6.2	11.1	106	13.4	489	26.7	47.8	0.27	0.59
589481	494	27	< 2	13	45	< 2	< 0.5	< 0.2	80	< 0.5	40.5	67	3.4	1.5	30.6	5	3.5	13	1.3	7.2	0.49	1.05
589482	1220	42	< 2	8	16	< 2	< 0.5	< 0.2	49	< 0.5	59.4	49	< 0.4	0.7	7.4	4	8.6	39	1.4	21.1	0.47	1.01
589483	340	37	< 2	10	38	< 2	< 0.5	< 0.2	68	< 0.5	27.5	70	0.6	1.0	50.7	3	2.6	11	1.1	6.6	0.40	0.86
589484	312	311	12	151	6	< 2	< 0.5	< 0.2	8	< 0.5	81.9	601	< 0.4	3.5	1.4	4	2.8	15	8.0	2.5	0.11	0.23
589485	208	319	12	165	6	2	0.6	< 0.2	2	< 0.5	59.0	655	0.8	3.8	0.5	1	1.6	19	8.8	3.4	0.11	0.24
589486	413	59	< 2	11	84	< 2	< 0.5	< 0.2	58	< 0.5	17.8	55	< 0.4	1.1	66.2	5	2.3	12	1.1	3.7	0.01	0.02
589487	419	274	14	133	7	< 2	< 0.5	< 0.2	7	< 0.5	109	559	< 0.4	3.1	0.6	3	3.3	15	9.0	2.9	0.11	0.24
589488	550	34	2	19	47	< 2	< 0.5	< 0.2	79	< 0.5	22.5	43	< 0.4	1.7	55.2	5	3.3	11	0.9	7.9	0.01	0.02
589489	256	281	11	165	8	< 2	0.5	< 0.2	17	< 0.5	67.8	448	< 0.4	3.6	1.8	6	2.3	14	9.3	4.3	0.07	0.15



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
NIST 694 Meas	11.55	1.78	0.81	0.010	0.35	43.08	0.90	0.56	0.120	30.21					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	47.64	18.16	9.98	0.150	10.04	11.43	1.96	0.23	0.470	0.06			31		154	280	56	240	110	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			
LKSD-3 Meas																80	30	50	30	140			23
LKSD-3 Cert																87.0	30.0	47.0	35.0	152			27.0
TDB-1 Meas																250			330	150			
TDB-1 Cert																251			323	155			
W-2a Meas	52.24	15.23	10.79	0.170	6.33	11.01	2.15	0.62	1.080	0.14			35	< 1	270	90	44	60	110	80	17	< 1	< 5
W-2a Cert	52.4	15.4	10.7	0.163	6.37	10.9	2.14	0.626	1.06	0.140			36.0	1.30	262	92.0	43.0	70.0	110	80.0	17.0	1.00	1.20
SY-4 Meas	49.94	20.60	6.18	0.110	0.51	8.11	6.82	1.64	0.280	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	48.09	15.44	11.30	0.170	9.64	13.42	1.86	0.02	0.950	0.02			44	< 1	327	370	49	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																							
NCS DC70009 (GBW07241) Meas																30	3		1040	110	16	11	65
NCS DC70009 (GBW07241) Cert																30	3.7		960	100	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																		48.6		430			
OREAS 101b (Fusion) Meas																		45	< 20	420			
OREAS 101b (Fusion) Cert																		47	9	420			
JR-1 Meas																< 20		< 20		30	17	2	16
JR-1 Cert																2.83		1.67		30.6	16.1	1.88	16.3
NCS DC86303 Meas																							
NCS DC86303 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 DC86303 Meas																							
NCS DC86303 Cert																							
NCS DC86303 Meas																							
NCS DC86303 Cert																							
NCS DC86303 Meas																							
NCS DC86303 Cert																							
NCS DC86303 Meas																							
NCS DC86303 Cert																							
NCS DC86303 Meas																							
NCS DC86303 Cert																							
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 DC86304 Meas																							
NCS DC86304 Cert																							
NCS DC86304 Meas																							
NCS DC86304 Cert																							
NCS DC86304 Meas																							
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	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																								
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																								
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																								

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 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																							
588219 Orig																							
588219 Dup																							
588227 Orig	73.48	16.30	1.29	0.117	0.20	0.51	2.56	2.09	0.004	0.31	1.00	97.87	< 1	240	< 5	40	< 1	< 20	< 10	30	39	4	< 5
588227 Dup	72.38	16.27	1.28	0.119	0.21	0.53	2.59	2.14	0.004	0.31	1.00	96.82	< 1	246	< 5	40	< 1	< 20	< 10	30	37	3	< 5
588254 Orig																							
588254 Dup																							
588257 Orig	61.89	16.05	7.57	0.096	3.07	2.06	3.00	2.59	0.591	0.53	1.58	99.04	16	24	112	160	22	80	50	330	23	3	< 5
588257 Dup	62.62	15.66	7.56	0.096	3.01	2.06	3.00	2.57	0.579	0.52	1.58	99.48	16	24	111	160	22	70	50	330	23	3	< 5
588262 Orig																							
588262 Dup																							
588275 Orig	71.63	17.30	0.64	0.063	0.03	0.26	7.65	1.21	0.002	0.36	0.40	99.57	< 1	157	< 5	20	< 1	< 20	< 10	< 30	27	4	< 5
588275 Split PREP DUP	71.92	17.23	0.63	0.069	0.04	0.26	7.63	1.26	0.002	0.39	0.46	99.90	< 1	153	< 5	30	< 1	< 20	< 10	< 30	27	3	< 5
588275 Split PREP DUP																							
588283 Orig																							
588283 Dup																							
588267 Orig	66.33	16.60	1.30	0.021	0.41	0.82	2.99	9.07	0.054	0.41	0.71	98.73	2	112	16	30	3	< 20	10	< 30	27	4	< 5
588267 Dup	67.18	16.69	1.29	0.021	0.41	0.81	3.03	9.20	0.054	0.42	0.71	99.81	2	111	15	30	3	< 20	10	< 30	27	4	< 5
588297 Orig																							
588297 Dup																							
588408 Orig	74.82	15.49	0.55	0.058	0.17	0.27	3.57	3.25	0.003	0.22	0.60	99.01	< 1	191	< 5	< 20	< 1	< 20	< 10	50	28	4	< 5
588408 Dup	75.65	15.65	0.56	0.058	0.17	0.27	3.61	3.29	0.003	0.22	0.60	100.1	< 1	186	< 5	< 20	< 1	< 20	< 10	50	28	3	< 5
588409 Orig																							
588409 Dup																							
588423 Orig																							
588423 Dup																							
588429 Orig	72.77	15.60	0.55	0.049	0.25	0.39	5.61	2.17	0.002	0.28	0.96	98.83	< 1	238	< 5	< 20	< 1	< 20	20	30	26	4	< 5
588429 Split	73.36	15.71	0.59	0.052	0.26	0.40	5.83	2.12	0.002	0.30	0.93	99.57	< 1	241	< 5	< 20	< 1	< 20	20	< 30	26	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
PREP DUP																							
588430 Orig																							
588430 Dup																							
588438 Orig	60.81	15.69	8.82	0.167	3.42	1.47	2.47	2.77	0.578	0.15	2.63	98.97	17	8	125	150	22	70	10	70	19	2	< 5
588438 Dup	60.91	15.38	8.85	0.168	3.41	1.47	2.44	2.73	0.567	0.14	2.63	98.69	17	8	124	150	22	70	10	70	19	2	< 5
588444 Orig																							
588444 Dup																							
588452 Orig																							
588452 Dup																							
588455 Orig	58.08	16.00	9.77	0.114	3.80	1.70	2.27	3.37	0.642	0.13	2.25	98.14	21	2	152	170	27	80	60	90	21	2	< 5
588455 Dup	58.12	16.39	9.98	0.119	3.83	1.72	2.28	3.41	0.646	0.13	2.25	99.88	21	2	154	180	28	80	60	90	21	2	< 5
588466 Orig																							
588466 Dup																							
588475 Orig																							
588475 Dup																							
588481 Orig	74.81	15.56	0.55	0.069	0.25	0.29	4.48	2.12	0.004	0.25	0.89	99.28	< 1	194	< 5	< 20	< 1	< 20	< 10	30	32	4	< 5
588481 Split	74.91	15.41	0.59	0.068	0.26	0.29	4.61	2.24	0.004	0.25	0.89	99.53	< 1	191	< 5	< 20	< 1	< 20	< 10	< 30	31	4	< 5
PREP DUP																							
588484 Orig	64.31	15.05	6.44	0.087	2.76	2.42	3.24	2.44	0.589	0.16	1.40	98.91	14	6	110	200	21	70	40	70	18	2	< 5
588484 Dup	65.49	15.05	6.43	0.086	2.78	2.45	3.30	2.47	0.582	0.16	1.40	100.2	15	5	112	200	21	70	40	70	19	2	< 5
588486 Orig																							
588486 Dup																							
588488 Orig																							
588488 Dup																							
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	0.02	0.002	0.01	0.01	< 0.01	< 0.01	0.002	0.01			< 1	< 1	< 5								
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
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
PREP DUP																							
588430 Orig																							
588430 Dup																							
588438 Orig	60.81	15.69	8.82	0.167	3.42	1.47	2.47	2.77	0.578	0.15	2.63	98.97	17	8	125	150	22	70	10	70	19	2	< 5
588438 Dup	60.91	15.38	8.85	0.168	3.41	1.47	2.44	2.73	0.567	0.14	2.63	98.69	17	8	124	150	22	70	10	70	19	2	< 5
588444 Orig																							
588444 Dup																							
588452 Orig																							
588452 Dup																							
588455 Orig	58.08	16.00	9.77	0.114	3.80	1.70	2.27	3.37	0.842	0.13	2.25	98.14	21	2	152	170	27	80	60	90	21	2	< 5
588455 Dup	59.12	16.39	9.98	0.119	3.83	1.72	2.28	3.41	0.846	0.13	2.25	99.88	21	2	154	180	28	80	60	90	21	2	< 5
588466 Orig																							
588466 Dup																							
588475 Orig																							
588475 Dup																							
588481 Orig	74.81	15.56	0.55	0.089	0.25	0.29	4.48	2.12	0.004	0.25	0.89	99.28	< 1	194	< 5	< 20	< 1	< 20	< 10	30	32	4	< 5
588481 Split	74.91	15.41	0.59	0.088	0.26	0.29	4.61	2.24	0.004	0.25	0.89	99.53	< 1	191	< 5	< 20	< 1	< 20	< 10	< 30	31	4	< 5
PREP DUP																							
588484 Orig	64.31	15.05	6.44	0.087	2.76	2.42	3.24	2.44	0.589	0.16	1.40	98.91	14	6	110	200	21	70	40	70	18	2	< 5
588484 Dup	65.49	15.05	6.43	0.086	2.78	2.45	3.30	2.47	0.582	0.16	1.40	100.2	15	5	112	200	21	70	40	70	19	2	< 5
588486 Orig																							
588486 Dup																							
588488 Orig																							
588488 Dup																							
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	0.02	0.002	0.01	0.01	< 0.01	< 0.01	0.002	0.01			< 1	< 1	< 5								
Method Blank																							
Method Blank																							
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	
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-Na2O2	FUS-Na2O2	
NIST 694 Meas																							
NIST 694 Cert																							
DNC-1 Meas		143	18	38						0.9		106						6					
DNC-1 Cert		144.0	18.0	38						0.96		118						6.3					
LKSD-3 Meas	80					< 2	2.5		2	2.0	2.2									11.8	4.3		
LKSD-3 Cert	78.0					2.00	2.70		3.00	1.30	2.30									11.4	4.60		
TDB-1 Meas	21																				2.9		
TDB-1 Cert	23																				2.7		
W-2a Meas	20	194	19	91	8	< 2						188	< 0.4	2.8	0.5	< 1	0.1			2.4	0.5		
W-2a Cert	21.0	190	24.0	94.0	7.90	0.600						182	0.0300	2.60	0.500	0.300	0.200			2.40	0.530		
SY-4 Meas		1189	117	536								341											
SY-4 Cert		1191	119	517								340											
CTA-AC-1 Meas																					4.2		
CTA-AC-1 Cert																					4.4		
BIR-1a Meas		110	16	16								7		0.6									
BIR-1a Cert		110	16	18								6		0.60									
NCS DC86312 Meas																					25.8		
NCS DC86312 Cert																					23.6		
NCS DC70009 (GBW07241) Meas	505						1.7	1.0	1610	3.2	41.5					2250							
NCS DC70009 (GBW07241) Cert	500						1.8	1.3	1700	3.1	41					2200							
OREAS 100a (Fusion) Meas						24															56.2	143	
OREAS 100a (Fusion) Cert						24.1															51.6	135	
OREAS 101a (Fusion) Meas						23															37.6	422	
OREAS 101a (Fusion) Cert						21.9															36.6	422	
OREAS 101b (Fusion) Meas						22															38.0	396	
OREAS 101b (Fusion) Cert						21															37.1	396	
JR-1 Meas	247				15	3	< 0.2	3	1.1	20.1			0.6	4.6	1.9	2	1.5	20			9.2		
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			8.88		
NCS DC86303 Meas																						0.21	0.45
NCS DC86303 Cert																						0.21	0.460
NCS DC86303																						0.21	0.46



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-Na2O2	FUS-Na2O2		
Meas																								
NCS DC86303																						0.21	0.460	
Cert																								
NCS DC86303																							0.21	0.46
Meas																								
NCS DC86303																							0.21	0.460
Cert																								
NCS DC86303																							0.21	0.44
Meas																								
NCS DC86303																							0.21	0.460
Cert																								
NCS DC86303																							0.21	0.45
Meas																								
NCS DC86303																							0.21	0.460
Cert																								
NCS DC86303																							0.21	0.44
Meas																								
NCS DC86303																							0.21	0.460
Cert																								
NCS DC86303																							0.21	0.44
Meas																								
NCS DC86303																							0.21	0.460
Cert																								
NCS DC86303																							0.20	0.43
Meas																								
NCS DC86303																							0.21	0.460
Cert																								
NCS DC86304																							1.07	2.31
Meas																								
NCS DC86304																							1.06	2.29
Cert																								
NCS DC86304																							1.09	2.34
Meas																								
NCS DC86304																							1.06	2.29
Cert																								
NCS DC86304																							1.05	2.26
Meas																								
NCS DC86304																							1.06	2.29
Cert																								
NCS DC86304																							1.06	2.29
Meas																								
NCS DC86304																							1.06	2.29
Cert																								

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-Na2O2	FUS-Na2O2		
NCS DC86304 Meas																						1.07	2.30	
NCS DC86304 Cert																							1.06	2.29
NCS DC86304 Meas																							1.09	2.35
NCS DC86304 Cert																							1.06	2.29
NCS DC86304 Meas																							1.07	2.30
NCS DC86304 Cert																							1.06	2.29
NCS DC86304 Meas																							1.09	2.34
NCS DC86304 Cert																							1.06	2.29
NCS DC86314 Meas																							1.79	3.86
NCS DC86314 Cert																							1.81	3.89
NCS DC86314 Meas																							1.78	3.83
NCS DC86314 Cert																							1.81	3.89
NCS DC86314 Meas																							1.72	3.70
NCS DC86314 Cert																							1.81	3.89
NCS DC86314 Meas																							1.80	3.88
NCS DC86314 Cert																							1.81	3.89
NCS DC86314 Meas																							1.79	3.86
NCS DC86314 Cert																							1.81	3.89
NCS DC86314 Meas																							1.79	3.85
NCS DC86314 Cert																							1.81	3.89
NCS DC86314 Meas																							1.82	3.91
NCS DC86314 Cert																							1.81	3.89
Lithium Tetraborate FX-LT 100 lot#220610B																							8.20	

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-Na2O2	FUS-Na2O2	
Meas																							
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																						8.47	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.43	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.57	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.59	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.61	

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Ti	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 Cert																					8		
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.12	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																					8		
588219 Orig																						0.05	0.11
588219 Dup																						0.05	0.11
588227 Orig	510	35	< 2	5	97	< 2	< 0.5	< 0.2	93	< 0.5	38.9	130	3.8	0.7	58.5	< 1	3.5	9	0.6	5.6	1.03	2.21	
588227 Dup	488	36	< 2	5	91	2	< 0.5	< 0.2	85	< 0.5	37.3	130	3.5	0.6	54.5	< 1	3.3	8	0.6	5.0	1.02	2.20	
588254 Orig																						0.07	0.16
588254 Dup																						0.07	0.16
588257 Orig	904	266	12	148	13	4	0.5	< 0.2	59	< 0.5	430	446	1.2	3.3	4.8	< 1	7.3	19	7.5	2.7			
588257 Dup	921	265	13	148	13	3	0.5	< 0.2	59	< 0.5	438	445	1.6	3.4	5.0	< 1	7.7	18	7.6	2.7			
588262 Orig																						0.03	0.07
588262 Dup																						0.03	0.07
588275 Orig	359	18	< 2	8	27	< 2	< 0.5	< 0.2	32	< 0.5	27.3	10	2.7	0.8	31.0	1	2.7	11	0.6	4.6	0.13	0.29	
588275 Split PREP DUP	381	18	< 2	8	25	< 2	< 0.5	< 0.2	34	< 0.5	28.2	10	3.5	0.8	26.8	< 1	2.9	8	0.6	4.8	0.13	0.28	
588275 Split PREP DUP																						0.13	0.28
588283 Orig																						< 0.01	0.01
588283 Dup																						< 0.01	0.01
588287 Orig	2050	97	3	12	29	< 2	< 0.5	< 0.2	55	< 0.5	132	435	< 0.4	0.9	28.1	< 1	13.8	17	0.7	3.9			
588287 Dup	2020	97	< 2	13	36	< 2	< 0.5	< 0.2	63	< 0.5	133	441	< 0.4	1.0	29.0	< 1	14.6	16	0.6	3.8			
588297 Orig																						0.04	0.10
588297 Dup																						0.05	0.10
588408 Orig	863	49	< 2	7	49	< 2	< 0.5	< 0.2	71	< 0.5	48.8	90	1.0	0.8	32.5	< 1	6.6	14	0.6	5.2			
588408 Dup	854	49	< 2	6	56	< 2	< 0.5	< 0.2	72	< 0.5	49.1	91	1.3	0.6	35.3	< 1	6.9	15	0.6	5.4			
588409 Orig																						0.70	1.51
588409 Dup																						0.69	1.49
588423 Orig																						0.36	0.77
588423 Dup																						0.36	0.77
588429 Orig	474	36	< 2	10	56	< 2	< 0.5	< 0.2	46	< 0.5	37.1	160	0.5	1.0	41.5	< 1	3.8	13	1.3	8.6	0.12	0.25	
588429 Split PREP DUP	461	36	< 2	11	52	< 2	< 0.5	< 0.2	47	< 0.5	36.0	160	0.5	0.9	38.8	1	3.3	13	1.4	8.6	0.11	0.24	
588430 Orig																						< 0.01	< 0.01
588430 Dup																						< 0.01	< 0.01

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Ti	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-Na2O2	FUS-Na2O2	
588438 Orig	420	169	11	130	5	< 2	< 0.5	< 0.2	14	< 0.5	134	502	0.4	2.9	0.6	< 1	3.3	10	6.9	3.7			
588438 Dup	419	164	11	127	5	< 2	< 0.5	< 0.2	14	< 0.5	133	498	0.4	3.0	0.6	1	3.5	11	6.9	3.6			
588444 Orig																					0.52	1.12	
588444 Dup																						0.53	1.15
588452 Orig																						0.31	0.66
588452 Dup																						0.30	0.65
588455 Orig	169	190	13	116	6	2	< 0.5	< 0.2	2	< 0.5	66.6	603	0.8	2.7	0.5	3	1.6	12	7.3	3.1			
588455 Dup	169	192	12	120	6	3	< 0.5	< 0.2	2	< 0.5	70.3	613	0.8	2.9	0.5	4	1.3	13	7.3	3.1			
588466 Orig																						0.06	0.13
588466 Dup																						0.06	0.13
588475 Orig																						0.10	0.21
588475 Dup																						0.10	0.21
588481 Orig	494	27	< 2	13	45	< 2	< 0.5	< 0.2	80	< 0.5	40.5	67	3.4	1.5	30.6	5	3.5	13	1.3	7.2	0.49	1.05	
588481 Split PREP DUP	502	27	< 2	15	37	< 2	< 0.5	< 0.2	71	< 0.5	41.6	69	2.9	1.7	29.0	7	4.3	13	1.2	7.1	0.46	1.00	
588484 Orig	310	315	12	147	6	< 2	0.5	< 0.2	8	< 0.5	82.2	594	< 0.4	3.4	1.3	3	2.9	15	8.0	2.6			
588484 Dup	314	307	12	155	6	< 2	< 0.5	< 0.2	8	< 0.5	81.7	607	< 0.4	3.5	1.5	4	2.8	14	8.0	2.5			
588486 Orig																						0.01	0.02
588486 Dup																						0.01	0.02
588488 Orig																						0.01	0.02
588488 Dup																						0.01	0.02
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																						< 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: 09-May-18  
Invoice No.: A18-06153  
Invoice Date: 14-Jun-18  
Your Reference: Jackpot (Infinite Lithium)

Infinite Lithium  
Suite 1240 789 W Pender St  
Vancouver BC V6C1H2

ATTN: Scott Jobin-Bevans

## CERTIFICATE OF ANALYSIS

56 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

REPORT A18-06153

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 Esemé".

Emmanuel Esemé, Ph.D.  
Quality Control

ACTIVATION LABORATORIES LTD.  
41 Bitten 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-May-18  
Invoice No.: A18-06153  
Invoice Date: 14-Jun-18  
Your Reference: Jackpot (Infinite Lithium)

Infinite Lithium  
Suite 1240 789 W Pender St  
Vancouver BC V6C1H2

ATTN: Scott Jobin-Bevans

## CERTIFICATE OF ANALYSIS

56 Core samples were submitted for analysis.

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

REPORT A18-06153

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 Esemé, 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: A18-06153

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
588490	73.64	13.49	0.68	0.609	0.04	0.73	0.56	5.95	0.051	< 0.01	2.40	98.15	12	5	< 5	120	< 1	< 20	180	520	30	6	57
588491	47.79	14.73	11.39	0.213	5.78	8.22	2.69	1.55	0.909	1.59	3.27	98.13	29	33	227	180	45	110	230	110	24	3	< 5
588492	65.48	16.39	2.18	0.135	0.84	1.73	3.76	4.80	0.117	1.66	1.42	98.53	5	8	23	60	6	30	20	70	33	3	< 5
588493	55.35	15.43	8.26	0.139	4.78	4.67	3.05	2.82	0.718	0.97	2.57	98.75	21	13	144	230	32	110	110	160	23	3	< 5
588494	60.21	15.99	8.08	0.109	3.56	2.00	2.92	2.84	0.649	0.14	1.98	98.48	21	5	148	180	26	100	60	170	22	2	< 5
588495	61.72	15.39	7.32	0.096	3.28	1.93	3.11	2.80	0.596	0.22	2.09	98.54	19	14	134	160	21	70	20	40	18	2	< 5
588496	61.97	15.07	7.21	0.100	3.22	1.89	3.01	2.72	0.596	0.24	2.04	98.06	18	13	128	170	23	80	20	80	22	3	< 5
588497	71.97	16.18	0.93	0.028	0.33	0.71	5.89	3.42	0.059	0.24	1.14	100.9	2	147	26	30	3	< 20	10	< 30	29	3	< 5
588498	75.51	15.11	0.42	0.023	0.07	0.27	6.11	2.40	0.006	0.26	0.72	100.9	< 1	167	< 5	< 20	< 1	< 20	< 10	< 30	27	3	< 5
588499	70.71	17.97	0.56	0.037	0.11	0.21	5.65	4.18	0.008	0.24	1.12	100.8	< 1	199	6	< 20	1	< 20	< 10	< 30	34	3	< 5
588500	97.74	0.53	0.38	0.006	0.04	0.03	0.12	0.07	0.031	0.03	0.20	99.16	< 1	< 1	7	< 20	< 1	< 20	< 10	< 30	4	< 1	< 5
788001	73.32	13.50	1.01	0.171	0.24	0.67	4.46	2.94	0.003	0.77	0.96	98.05	< 1	134	< 5	< 20	2	< 20	20	< 30	22	3	< 5
788002	49.54	13.51	13.46	0.224	6.68	9.47	2.26	0.57	1.209	0.12	2.39	99.44	38	2	325	140	53	90	170	110	19	2	< 5
788003	47.68	14.45	13.91	0.189	7.01	8.54	2.43	0.79	1.135	0.11	2.64	98.68	36	< 1	311	140	49	120	150	80	19	1	< 5
788004	49.16	13.83	14.23	0.211	6.57	10.25	2.06	0.46	1.183	0.12	0.63	98.72	36	< 1	317	130	52	110	190	110	19	1	< 5
788005	48.82	13.76	14.12	0.208	6.90	10.35	2.05	0.41	1.160	0.11	0.81	98.68	36	< 1	319	140	52	120	190	110	19	2	< 5
788006	73.75	15.67	1.07	0.038	0.47	0.46	4.94	1.92	0.007	0.22	1.26	99.81	< 1	199	< 5	< 20	2	< 20	10	< 30	36	3	< 5
788007	73.97	15.44	0.74	0.056	0.14	0.29	5.07	1.62	0.005	0.29	0.83	98.46	< 1	303	< 5	< 20	< 1	< 20	< 10	< 30	33	4	< 5
788008	72.14	17.14	0.77	0.072	0.10	0.29	5.15	1.57	0.005	0.32	0.78	98.34	< 1	302	< 5	< 20	< 1	< 20	< 10	30	35	4	< 5
788009	73.39	16.63	0.84	0.061	0.13	0.28	4.45	1.83	0.004	0.26	0.78	98.65	< 1	186	< 5	< 20	< 1	< 20	< 10	30	36	4	< 5
788010	63.81	19.71	0.30	0.257	0.03	0.08	2.20	4.64	0.025	0.23	4.97	96.25	< 1	95	< 5	< 20	3	< 20	20	120	52	10	9
788011	72.11	16.77	1.12	0.124	0.24	0.45	4.04	2.13	0.004	0.43	1.19	98.62	< 1	168	< 5	< 20	< 1	< 20	< 10	40	40	3	< 5
788012	72.03	16.34	0.60	0.069	0.06	0.24	6.20	2.35	0.004	0.31	0.73	98.93	< 1	284	< 5	< 20	< 1	< 20	< 10	30	33	3	< 5
788013	69.72	15.86	1.83	0.077	0.71	1.22	6.06	1.73	0.113	0.26	0.86	98.44	4	133	31	< 20	5	< 20	20	40	34	3	< 5
788014	73.47	16.08	0.70	0.070	0.09	0.22	4.78	2.37	0.004	0.31	0.57	98.69	< 1	113	< 5	< 20	< 1	< 20	< 10	80	32	4	< 5
788015	73.59	15.77	0.88	0.082	0.09	0.23	4.58	1.27	0.004	0.29	0.68	97.45	< 1	151	< 5	< 20	2	< 20	< 10	30	37	4	< 5
788016	75.02	14.58	0.69	0.061	0.07	0.21	5.30	1.16	0.003	0.27	0.59	97.96	< 1	183	< 5	< 20	2	< 20	< 10	30	33	4	< 5
788017	72.38	15.77	1.06	0.056	0.33	0.56	5.96	1.25	0.045	0.26	0.96	98.63	2	114	13	< 20	4	< 20	< 10	< 30	32	4	< 5
788018	64.76	15.58	5.06	0.111	2.21	2.49	4.45	1.92	0.409	0.97	1.53	99.50	11	75	86	130	17	80	110	80	27	3	< 5
788019	60.74	15.15	8.20	0.119	3.44	2.47	3.12	2.68	0.627	0.17	1.91	98.65	19	6	148	160	24	90	60	50	18	1	< 5
788020	98.94	0.27	0.27	0.004	0.02	0.02	0.04	0.02	0.018	< 0.01	0.12	99.73	< 1	< 1	< 5	< 20	< 1	< 20	< 10	< 30	< 1	1	< 5
788021	58.07	14.54	9.72	0.141	4.47	5.07	2.52	1.79	0.818	0.14	1.58	98.65	23	6	189	180	34	110	110	90	20	2	< 5
788022	64.03	14.28	7.09	0.091	3.01	2.31	2.79	2.48	0.551	0.18	1.68	98.51	15	12	120	150	21	90	80	90	21	2	< 5
788023	73.59	16.50	0.61	0.053	0.05	0.25	6.08	1.91	0.006	0.23	0.88	100.2	< 1	148	< 5	< 20	< 1	< 20	< 10	< 30	35	4	< 5
788024	75.50	14.02	0.81	0.065	0.05	0.17	3.97	1.67	0.005	0.20	0.68	97.15	< 1	162	< 5	< 20	< 1	< 20	< 10	60	38	4	< 5
788025	72.98	16.06	0.87	0.068	0.05	0.25	4.06	1.78	0.004	0.20	0.69	97.01	< 1	122	< 5	< 20	< 1	30	< 10	70	41	4	< 5
788026	74.48	15.72	0.69	0.089	0.04	0.28	5.40	1.91	0.002	0.37	0.51	99.49	< 1	198	< 5	< 20	< 1	< 20	< 10	30	30	4	< 5
788027	73.34	16.86	0.83	0.096	0.05	0.23	4.93	1.07	0.004	0.26	0.66	98.35	< 1	210	< 5	< 20	< 1	< 20	< 10	40	39	4	< 5
788028	59.02	16.49	7.68	0.109	2.52	4.98	3.13	2.18	1.117	0.41	1.04	98.67	7	6	80	30	17	< 20	20	110	24	2	< 5
788029	63.84	15.92	6.06	0.071	1.92	4.07	3.77	1.81	0.738	0.44	1.18	99.81	5	14	57	30	12	< 20	40	100	22	2	< 5
788030	74.69	12.25	0.68	0.612	0.03	0.72	0.55	5.99	0.051	0.01	2.25	97.84	12	5	< 5	120	< 1	< 20	160	510	30	6	55

Results

Activation Laboratories Ltd.

Report: A18-06153

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
788031	53.27	14.23	9.82	0.121	5.88	6.74	2.74	2.04	1.804	0.22	1.32	98.19	16	3	163	190	33	70	40	110	23	4	< 5
788032	50.48	17.17	9.72	0.117	5.56	6.30	3.18	2.54	1.791	0.35	1.57	98.77	14	9	154	160	31	60	30	110	25	4	< 5
788033	79.60	11.20	0.81	0.075	0.04	0.34	1.83	3.56	0.011	0.43	0.81	98.69	< 1	191	< 5	< 20	< 1	< 20	< 10	40	31	3	< 5
788034	69.96	15.56	0.37	0.025	0.05	0.21	2.29	9.25	0.004	0.42	0.54	98.67	< 1	48	9	< 20	< 1	< 20	< 10	< 30	25	4	< 5
788035	75.88	13.81	0.40	0.011	0.03	0.13	2.89	6.40	0.003	0.23	0.48	100.3	< 1	14	< 5	< 20	< 1	< 20	< 10	< 30	21	4	< 5
788036	72.94	15.23	0.44	0.015	0.03	0.14	2.87	8.11	0.003	0.30	0.45	100.5	< 1	19	< 5	< 20	< 1	< 20	< 10	< 30	20	5	< 5
788037	70.63	15.58	0.44	0.058	0.04	0.22	4.52	6.11	0.002	0.40	0.41	98.41	< 1	73	< 5	< 20	< 1	< 20	< 10	< 30	18	4	< 5
788038	71.36	16.09	0.79	0.039	0.07	0.39	2.28	6.08	0.015	0.41	1.21	98.74	< 1	120	< 5	< 20	1	< 20	< 10	50	40	4	< 5
788039	72.79	14.48	0.43	0.012	0.02	0.20	3.56	6.70	0.002	0.26	0.34	98.80	< 1	76	< 5	< 20	< 1	< 20	< 10	< 30	19	4	< 5
788040	99.44	0.31	0.30	0.005	0.01	0.01	0.05	0.03	0.016	< 0.01	0.12	100.3	< 1	< 1	< 5	< 20	< 1	< 20	< 10	< 30	< 1	< 1	< 5
788041	70.00	17.09	0.40	0.028	0.03	0.26	3.72	8.34	0.002	0.38	0.48	100.7	< 1	77	< 5	< 20	< 1	< 20	< 10	< 30	22	4	< 5
788042	73.49	15.17	1.34	0.046	0.35	0.80	3.80	2.35	0.077	0.45	1.48	99.36	2	144	16	40	3	< 20	< 10	70	33	3	< 5
788043	72.09	16.48	0.85	0.021	0.16	1.03	4.55	2.57	0.027	0.28	1.51	99.56	< 1	36	10	< 20	1	< 20	< 10	< 30	25	3	< 5
788044	63.79	14.42	7.33	0.128	3.17	3.07	2.32	2.57	0.585	0.25	1.38	99.00	15	11	118	200	24	80	60	130	18	2	< 5
788045	65.06	14.29	7.43	0.132	3.02	3.13	2.14	2.53	0.579	0.16	1.16	99.65	15	6	115	200	23	80	50	110	17	2	< 5

## Results

## Activation Laboratories Ltd.

Report: A18-06153

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 Core
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
588490	2190	23	14	72	82	5	2.1	0.3	16	15.9	63.1	85	56.4	6.8	11.5	118	12.4	453	23.6	43.3	0.27	0.59	
588491	643	397	20	118	20	< 2	0.7	< 0.2	45	< 0.5	368	357	0.4	3.5	4.1	12	5.8	8	4.1	1.2	0.09	0.19	2.93
588492	1410	266	4	42	41	< 2	< 0.5	< 0.2	141	< 0.5	160	232	0.4	1.8	12.3	9	10.2	17	2.1	4.6	0.11	0.23	2.85
588493	1170	495	17	149	19	< 2	0.6	< 0.2	68	< 0.5	642	620	< 0.4	4.0	2.3	17	9.9	8	6.9	1.8	0.14	0.31	2.77
588494	303	287	15	129	6	2	0.5	< 0.2	8	< 0.5	200	789	0.7	3.4	0.7	8	3.0	14	7.2	2.1	0.14	0.30	2.77
588495	335	262	14	131	7	< 2	< 0.5	< 0.2	27	< 0.5	208	740	0.5	3.2	2.2	5	1.9	11	7.6	2.8	0.14	0.29	2.80
588496	356	261	15	132	10	< 2	< 0.5	< 0.2	30	< 0.5	212	733	0.5	3.8	4.4	7	2.6	12	7.3	2.9	0.14	0.30	2.75
588497	915	44	< 2	16	86	3	< 0.5	< 0.2	89	< 0.5	56.9	60	< 0.4	1.3	58.0	< 1	5.3	16	1.9	15.6	0.01	0.03	2.57
588498	637	24	< 2	6	50	< 2	< 0.5	< 0.2	37	< 0.5	49.0	23	0.7	0.8	36.9	< 1	4.7	12	1.2	12.7	0.03	0.07	2.65
588499	1060	41	< 2	7	55	< 2	< 0.5	< 0.2	65	< 0.5	93.3	65	2.0	0.8	58.8	4	7.0	19	1.7	22.8	0.07	0.15	2.66
588500	3	< 2	< 2	48	1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	14	< 0.4	1.5	0.4	< 1	1.0	< 5	1.7	0.5	< 0.01	< 0.01	
788001	725	54	< 2	< 4	17	< 2	< 0.5	< 0.2	22	< 0.5	54.5	68	7.2	0.3	14.3	7	5.1	14	0.7	10.7	0.18	0.39	2.63
788002	45	194	22	82	5	< 2	< 0.5	< 0.2	4	< 0.5	9.1	141	1.3	2.3	0.5	3	0.9	5	1.3	0.4	0.03	0.06	2.98
788003	52	266	19	68	4	< 2	< 0.5	< 0.2	2	< 0.5	4.4	246	< 0.4	2.0	0.3	3	0.5	< 5	1.1	0.3	0.04	0.09	2.89
788004	25	172	22	81	5	< 2	< 0.5	< 0.2	< 1	< 0.5	4.0	132	< 0.4	2.3	0.3	4	0.3	< 5	1.2	0.4	0.02	0.05	3.03
788005	23	159	21	76	4	< 2	< 0.5	< 0.2	< 1	< 0.5	6.4	108	0.9	2.1	0.3	1	0.1	< 5	1.1	0.3	0.02	0.04	3.01
788006	403	55	< 2	4	24	< 2	< 0.5	< 0.2	48	< 0.5	34.1	99	< 0.4	0.4	14.2	< 1	2.4	9	0.8	4.3	0.33	0.71	2.63
788007	511	31	< 2	5	25	< 2	< 0.5	< 0.2	49	< 0.5	37.0	24	0.8	0.5	26.0	1	3.0	8	0.9	6.9	0.31	0.66	2.70
788008	479	32	< 2	6	38	< 2	< 0.5	< 0.2	54	< 0.5	36.3	30	2.7	0.7	36.1	4	3.0	12	0.9	10.3	0.36	0.78	2.71
788009	522	39	< 2	6	37	< 2	< 0.5	< 0.2	58	< 0.5	37.7	41	3.9	0.9	22.0	2	3.3	14	1.0	10.9	0.56	1.20	2.73
788010	6730	19	3	15	53	< 2	< 0.5	< 0.2	105	< 0.5	1600	18	2.7	2.4	89.5	49	35.5	16	2.4	3.1	1.03	2.22	
788011	590	46	< 2	14	32	< 2	< 0.5	< 0.2	84	< 0.5	43.9	66	3.0	1.5	20.8	2	5.4	16	1.6	14.6	0.48	1.04	2.67
788012	637	44	< 2	6	44	< 2	< 0.5	< 0.2	50	< 0.5	57.6	25	2.9	0.7	26.4	1	5.0	24	1.7	18.8	0.20	0.42	2.71
788013	443	67	3	19	26	< 2	< 0.5	< 0.2	50	< 0.5	37.0	55	5.8	1.6	21.2	2	3.2	19	2.3	18.1	0.10	0.23	2.63
788014	635	42	< 2	< 4	35	< 2	< 0.5	< 0.2	48	< 0.5	51.7	28	7.1	0.3	24.2	< 1	4.2	27	0.9	10.3	0.53	1.15	2.76
788015	390	28	< 2	6	34	< 2	< 0.5	< 0.2	64	< 0.5	33.2	25	13.4	0.8	21.7	2	2.9	16	1.2	13.0	0.60	1.30	2.71
788016	354	25	< 2	13	27	< 2	< 0.5	< 0.2	50	< 0.5	29.8	20	7.2	1.5	19.4	2	2.3	16	1.1	14.4	0.38	0.82	2.65
788017	348	47	3	48	50	< 2	< 0.5	< 0.2	51	< 0.5	29.7	61	0.5	5.4	37.7	4	2.2	21	1.5	25.3	0.29	0.63	2.68
788018	611	246	11	95	38	< 2	< 0.5	< 0.2	53	< 0.5	249	415	23.9	3.2	42.5	3	4.6	13	5.2	4.6	0.09	0.19	2.64
788019	520	386	15	140	6	3	< 0.5	< 0.2	7	< 0.5	375	718	1.9	3.4	0.5	2	3.7	14	7.2	2.1	0.13	0.29	2.77
788020	< 2	2	< 2	39	< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	0.6	8	< 0.4	1.3	0.1	3	0.8	< 5	1.3	0.4	< 0.01	< 0.01	
788021	379	308	16	126	6	< 2	< 0.5	< 0.2	10	< 0.5	235	389	< 0.4	3.5	0.5	< 1	3.2	9	5.3	1.6	0.08	0.18	2.77
788022	375	381	12	119	8	7	< 0.5	< 0.2	12	< 0.5	229	684	1.8	3.5	5.7	1	3.1	14	7.5	2.5	0.12	0.26	2.78
788023	545	36	< 2	23	67	< 2	< 0.5	< 0.2	59	< 0.5	30.5	39	5.0	2.8	35.8	2	3.3	14	1.4	12.9	0.04	0.09	2.62
788024	542	28	< 2	5	44	< 2	< 0.5	< 0.2	68	< 0.5	51.1	16	11.7	0.8	23.2	5	3.6	15	0.9	8.7	0.65	1.40	2.66
788025	535	40	< 2	6	23	< 2	< 0.5	< 0.2	65	< 0.5	51.8	23	11.0	0.9	11.6	2	3.8	21	1.1	10.4	0.78	1.67	2.79
788026	557	37	< 2	10	15	< 2	< 0.5	< 0.2	36	< 0.5	50.2	36	4.3	1.0	10.1	< 1	4.1	13	0.9	9.6	0.39	0.83	2.87
788027	351	37	< 2	14	57	< 2	< 0.5	< 0.2	74	< 0.5	24.4	26	11.3	1.8	34.5	4	2.3	19	1.4	12.1	0.65	1.40	2.72
788028	411	875	13	228	11	< 2	0.7	< 0.2	9	< 0.5	177	780	1.9	6.4	4.0	8	3.6	9	7.5	1.8	0.10	0.22	2.72
788029	222	859	9	281	12	< 2	1.1	< 0.2	16	< 0.5	148	789	< 0.4	7.0	4.6	< 1	2.1	13	8.4	1.7	0.08	0.18	2.77

Results

Activation Laboratories Ltd.

Report: A18-06153

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 Core
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
788030	2200	24	12	75	77	6	1.9	0.3	13	16.3	64.2	84	39.0	6.9	11.2	105	13.4	441	23.5	45.3	0.27	0.59	
788031	109	715	17	137	7	<2	0.8	<0.2	8	<0.5	141	542	2.4	4.1	0.5	4	2.0	6	3.4	0.9	0.07	0.15	2.89
788032	213	852	17	141	10	<2	0.5	<0.2	16	<0.5	261	653	<0.4	4.3	0.9	22	1.5	7	3.6	1.1	0.09	0.20	2.89
788033	1080	36	<2	<4	23	<2	<0.5	<0.2	71	<0.5	47.4	16	<0.4	<0.2	6.5	<1	6.6	5	0.1	1.0	0.03	0.06	2.68
788034	2520	55	<2	<4	14	<2	<0.5	<0.2	38	<0.5	148	38	<0.4	<0.2	5.2	<1	18.0	21	0.2	3.5	<0.01	0.02	2.62
788035	1980	43	<2	12	18	<2	<0.5	<0.2	42	<0.5	140	26	2.2	1.7	20.0	12	17.3	17	0.6	5.2	<0.01	0.02	2.57
788036	2320	51	<2	11	23	<2	<0.5	<0.2	36	<0.5	142	30	1.2	1.8	45.7	<1	20.2	19	0.6	3.5	<0.01	0.02	2.59
788037	1470	47	<2	10	16	<2	<0.5	<0.2	21	<0.5	100	40	2.2	1.4	25.8	<1	11.4	15	0.5	4.8	0.04	0.08	2.58
788038	1750	43	<2	13	37	<2	<0.5	<0.2	122	<0.5	92.6	43	2.8	1.5	16.3	4	11.3	15	1.1	8.8	0.02	0.04	2.70
788039	1610	43	<2	5	12	<2	<0.5	<0.2	22	<0.5	75.7	58	<0.4	0.6	13.9	5	13.9	17	0.3	3.6	<0.01	<0.01	2.63
788040	3	<2	2	42	<1	<2	<0.5	<0.2	<1	<0.5	<0.5	9	<0.4	1.3	<0.1	12	1.5	<5	1.4	0.4	<0.01	<0.01	
788041	2130	53	<2	9	25	<2	<0.5	<0.2	37	<0.5	84.1	47	<0.4	1.1	21.5	4	17.1	20	0.2	3.8	<0.01	0.02	2.65
788042	598	51	4	35	33	<2	<0.5	<0.2	116	<0.5	29.1	94	<0.4	2.4	34.7	4	4.8	8	1.5	6.2	0.02	0.05	2.75
788043	520	115	3	12	27	<2	<0.5	<0.2	74	<0.5	27.4	191	<0.4	1.3	41.8	15	3.7	13	0.7	2.8	0.02	0.03	2.63
788044	291	334	14	144	7	<2	<0.5	<0.2	13	<0.5	120	610	<0.4	3.7	2.6	1	2.7	16	7.7	2.4	0.09	0.20	2.75
788045	158	330	14	150	7	<2	<0.5	<0.2	6	<0.5	74.5	605	<0.4	3.8	1.8	<1	1.4	17	7.2	2.2	0.08	0.17	2.76

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	11.35	1.89	0.73	0.013	0.36	43.34	0.89	0.55	0.113	30.27					1614								
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	47.40	17.93	9.78	0.147	10.20	11.38	1.93	0.23	0.453	0.06			32		154	280	62	260	110	80	14		
DNC-1 Cert	47.15	18.34	9.97	0.150	10.13	11.49	1.890	0.234	0.460	0.070			31		148	270	57	247	100	70	15		
LKSD-3 Meas																	90	32	50	40	140		26
LKSD-3 Cert																87.0	30.0	47.0	35.0	152			27.0
TDB-1 Meas																	240		90	330	150		
TDB-1 Cert																	251		92	323	155		
W-2a Meas	52.24	14.86	10.75	0.167	6.40	10.84	2.17	0.64	1.052	0.13			35	< 1	271	100	45	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	0.140			36.0	1.30	262	92.0	43.0	70.0	110	80.0	17.0	1.00	
SY-4 Meas	50.06	20.69	6.18	0.108	0.52	8.06	6.97	1.69	0.281	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																				60			
CTA-AC-1 Cert																				54.0			
BIR-1a Meas	48.14	15.48	11.39	0.176	9.66	13.49	1.81	0.02	0.941	0.02			43	< 1	332	390	56	180	130	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																	3		1040	90	16	11	64
NCS DC70009 (GBW07241) Cert																	3.7		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																	51		450				
OREAS 101a (Fusion) Cert																	48.8		430				
OREAS 101b (Fusion) Meas																	45	< 20	420				
OREAS 101b (Fusion) Cert																	47	9	420				
JR-1 Meas																	1	< 20	< 10		17	2	16
JR-1 Cert																	0.83	1.67	2.68		16.1	1.88	16.3
NCS DC86303 Meas																							
NCS DC86303 Cert																							
NCS DC86303 Meas																							
NCS DC86303 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 DC86303 Meas																							
NCS DC86303 Cert																							
NCS DC86304 Meas																							
NCS DC86304 Cert																							
NCS DC86304 Meas																							
NCS DC86304 Cert																							
NCS DC86304 Meas																							
NCS DC86304 Cert																							
NCS DC86314 Meas																							
NCS DC86314 Cert																							
NCS DC86314 Meas																							
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																							
588496 Orig																							
588496 Dup																							
788004 Orig	49.01	13.82	14.13	0.211	6.72	10.21	2.07	0.46	1.175	0.12	0.63	98.57	36	< 1	317	130	52	110	190	120	19	1	< 5
788004 Dup	49.31	13.84	14.32	0.212	6.43	10.29	2.09	0.46	1.191	0.12	0.63	98.88	37	< 1	317	130	51	100	190	110	19	1	< 5
788018 Orig																							
788018 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
788021 Orig	58.48	14.49	9.61	0.140	4.52	5.07	2.53	1.80	0.818	0.14	1.58	99.19	23	6	191	180	34	110	110	90	19	2	< 5
788021 Dup	57.66	14.58	9.82	0.142	4.41	5.08	2.50	1.77	0.818	0.14	1.58	98.50	23	6	188	190	33	100	110	90	20	2	< 5
788026 Orig																							
788026 Dup																							
788037 Orig																							
788037 Dup																							
788039 Orig	72.79	14.48	0.43	0.012	0.02	0.20	3.56	6.70	0.002	0.26	0.34	98.80	< 1	76	< 5	< 20	< 1	< 20	< 10	< 30	19	4	< 5
788039 Split PREP DUP	73.55	14.51	0.44	0.012	0.02	0.21	3.36	6.36	0.002	0.26	0.33	99.06	< 1	77	< 5	< 20	< 1	< 20	< 10	< 30	18	4	< 5
788045 Orig	66.05	14.03	7.33	0.133	2.98	3.19	2.12	2.50	0.570	0.17	1.16	100.2	15	6	116	200	23	80	50	110	17	2	< 5
788045 Dup	64.07	14.55	7.53	0.130	3.06	3.07	2.16	2.56	0.589	0.16	1.16	99.05	14	7	114	200	23	80	50	110	17	2	< 5
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	< 0.01	0.01	0.02	0.002	0.01	0.01	< 0.01	< 0.01	0.001	< 0.01	0.00	0.07	< 1	< 1	< 5								
Method Blank	0.02	< 0.01	< 0.01	0.001	< 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	0.02	0.002	0.01	0.01	< 0.01	< 0.01	0.002	< 0.01			< 1	< 1	< 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-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-Na2O2	FUS-Na2O2
NIST 694 Meas																						
NIST 694 Cert																						
DNC-1 Meas	5	145	16	36						1.0		108						6				
DNC-1 Cert	5	144.0	18.0	38						0.96		118						6.3				
LKSD-3 Meas	71					<2	2.8		2		2.4			4.5					11.4	4.7		
LKSD-3 Cert	78.0					2.00	2.70		3.00		2.30			4.80					11.4	4.60		
TDB-1 Meas																				2.9		
TDB-1 Cert																				2.7		
W-2a Meas	20	194	19	92	7	<2					0.8	176	<0.4	2.6	0.5	<1	0.6	10	2.4	0.5		
W-2a Cert	21.0	190	24.0	94.0	7.90	0.600					0.990	182	0.0300	2.60	0.500	0.300	0.200	9.30	2.40	0.530		
SY-4 Meas		1187	118	520								349										
SY-4 Cert		1191	119	517								340										
CTA-AC-1 Meas															2.8						4.5	
CTA-AC-1 Cert															2.65						4.4	
BIR-1a Meas		109	14	15								7		0.6						<5		
BIR-1a Cert		110	16	18								6		0.60						3		
NCS DC70009 (GBW07241) Meas	503						1.9	1.0	1610	2.9	43.8					2300	1.9		30.9			
NCS DC70009 (GBW07241) Cert	500						1.8	1.3	1700	3.1	41					2200	1.8		28.3			
OREAS 100a (Fusion) Meas						23													54.3	139		
OREAS 100a (Fusion) Cert						24.1													51.6	135		
OREAS 101a (Fusion) Meas						21													37.2	452		
OREAS 101a (Fusion) Cert						21.9													36.6	422		
OREAS 101b (Fusion) Meas						20													37.4	404		
OREAS 101b (Fusion) Cert						21													37.1	396		
JR-1 Meas	243				15	3	<0.2	3		20.7			0.5	4.1			1.5	20	28.9	8.9		
JR-1 Cert	257				15.2	3.25	0.028	2.86		20.8			0.56	4.51			1.56	19.3	26.7	8.88		
NCS DC86303 Meas																					0.21	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																					0.20	0.44

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-Na2O2	FUS-Na2O2
Meas																						
NCS DC86303 Cert																					0.21	0.460
NCS DC86304 Meas																					1.07	2.30
NCS DC86304 Cert																					1.06	2.29
NCS DC86304 Meas																					1.03	2.21
NCS DC86304 Cert																					1.06	2.29
NCS DC86304 Meas																					1.08	2.33
NCS DC86304 Cert																					1.06	2.29
NCS DC86314 Meas																					1.75	3.77
NCS DC86314 Cert																					1.81	3.89
NCS DC86314 Meas																					1.83	3.94
NCS DC86314 Cert																					1.81	3.89
Lithium Tetraborate FX-LT 100 lot#220610B Meas																					8.43	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																					8	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																					8.39	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																					8	
588496 Orig																					0.14	0.30
588496 Dup																					0.14	0.30
788004 Orig	25	171	22	81	4	< 2	< 0.5	< 0.2	< 1	< 0.5	4.1	132	< 0.4	2.4	0.3	2	0.3	< 5	1.2	0.3	0.02	0.05
788004 Dup	24	172	22	82	5	< 2	< 0.5	< 0.2	< 1	< 0.5	3.9	132	< 0.4	2.3	0.3	5	0.2	< 5	1.2	0.4	0.02	0.05
788018 Orig																					0.09	0.19
788018 Dup																					0.09	0.19
788021 Orig	379	311	17	127	6	< 2	< 0.5	< 0.2	10	< 0.5	234	392	< 0.4	3.5	0.5	< 1	3.0	9	5.2	1.6		
788021 Dup	378	305	15	126	6	< 2	< 0.5	< 0.2	10	< 0.5	235	386	< 0.4	3.4	0.5	< 1	3.3	9	5.3	1.6		

Analyte Symbol	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	Hf	Ta	W	Ti	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-Na2O2	FUS-Na2O2		
788026 Orig																						0.38	0.83	
788026 Dup																							0.39	0.83
788037 Orig																							0.04	0.08
788037 Dup																							0.04	0.08
788039 Orig	1610	43	< 2	5	12	< 2	< 0.5	< 0.2	22	< 0.5	75.7	58	< 0.4	0.6	13.9	5	13.9	17	0.3	3.6	< 0.01	< 0.01		
788039 Split PREP DUP	1640	43	< 2	6	11	< 2	< 0.5	< 0.2	21	< 0.5	76.4	57	< 0.4	0.7	11.5	3	14.5	17	0.3	3.6	< 0.01	0.01		
788045 Orig	159	322	14	145	7	< 2	< 0.5	< 0.2	6	< 0.5	74.7	603	< 0.4	3.9	1.8	< 1	1.5	17	7.3	2.2				
788045 Dup	157	337	13	154	7	< 2	< 0.5	< 0.2	6	< 0.5	74.3	607	0.4	3.8	1.8	1	1.2	17	7.1	2.1				
Method Blank																						< 0.01	< 0.01	
Method Blank																							< 0.01	< 0.01
Method Blank																							< 0.01	< 0.01
Method Blank		< 2	< 2	< 4								< 3												
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												

## **APPENDIX V DRILL LOGS**



BHID	From_m	To_m	Int_m	LITHO	CODE	FINALIZED
<b>J-17-01</b>	0.00	1.30	1.30	overburden/casing	OB	y
J-17-01	1.30	31.45	30.15	sediment - undifferentiated	SU	y
J-17-01	31.45	46.00	14.55	pegmatite-spodumene	FIGps	y
J-17-01	46.00	72.45	26.45	sediment - undifferentiated	SU	y
J-17-01	72.45	75.00	2.55	pegmatite	FIGp	y
J-17-01	75.00	90.47	15.47	sediment - undifferentiated	SU	y
J-17-01	90.47	93.27	2.80	pegmatite	FIGp	y
J-17-01	93.27	125.00	31.73	sediment - undifferentiated	SU	y
<b>J-18-01</b>	0.00	2.50	2.50	overburden/casing	OB	y
J-18-01	2.50	53.16	50.66	sediment - undifferentiated	SU	y
J-18-01	53.16	65.70	12.54	diabase	MID	y
J-18-01	65.70	69.45	3.75	sediment - undifferentiated	SU	y
J-18-01	69.45	81.57	12.12	pegmatite-spodumene	FIGps	y
J-18-01	81.57	84.00	2.43	sediment - undifferentiated	SU	y
J-18-01	84.00	88.35	4.35	pegmatite-spodumene	FIGps	y
J-18-01	88.35	116.00	27.65	sediment - undifferentiated	SU	y
<b>J-18-02</b>	0.00	1.06	1.06	overburden/casing	OB	y
J-18-02	1.06	62.25	61.19	sediment - undifferentiated	SU	y
J-18-02	62.25	71.35	9.10	diabase	MID	y
J-18-02	71.35	74.50	3.15	sediment - undifferentiated	SU	y
J-18-02	74.50	76.30	1.80	diabase	MID	y
J-18-02	76.30	80.45	4.15	sediment - undifferentiated	SU	y
J-18-02	80.45	112.70	32.25	pegmatite-spodumene	FIGps	y
J-18-02	112.70	122.00	9.30	sediment - undifferentiated	SU	y
<b>J-18-03</b>	0.00	2.60	2.60	overburden/casing	OB	y
J-18-03	2.60	10.40	7.80	sediment - undifferentiated	SU	y
J-18-03	10.40	16.50	6.10	pegmatite-spodumene	FIGps	y
J-18-03	16.50	32.85	16.35	sediment - undifferentiated	SU	y
J-18-03	32.85	33.67	0.82	pegmatite	FIGp	y
J-18-03	33.67	65.65	31.98	sediment - undifferentiated	SU	y
J-18-03	65.65	77.43	11.78	diabase	MID	y
J-18-03	77.43	108.50	31.07	sediment - undifferentiated	SU	y
J-18-03	108.50	113.20	4.70	pegmatite-spodumene	FIGps	y
J-18-03	113.20	120.50	7.30	sediment - undifferentiated	SU	y
J-18-03	120.50	125.20	4.70	pegmatite-spodumene	FIGps	y
J-18-03	125.20	127.20	2.00	sediment - undifferentiated	SU	y
J-18-03	127.20	128.60	1.40	diabase	MID	y
J-18-03	128.60	140.00	11.40	sediment - undifferentiated	SU	y
BHID	From_m	To_m	Int_m	LITHO	CODE	FINALIZED

BHID	From_m	To_m	Int_m	LITHO	CODE	FINALIZED
<b>J-18-04</b>	0.00	2.20	2.20	overburden/casing	OB	y
J-18-04	2.20	9.43	7.23	pegmatite-spodumene	FIGps	y
J-18-04	9.43	72.10	62.67	sediment - undifferentiated	SU	y
J-18-04	72.10	84.64	12.54	diabase	MID	y
J-18-04	84.64	140.20	55.56	sediment - undifferentiated	SU	y
J-18-04	140.20	140.42	0.22	pegmatite	FIGp	y
J-18-04	140.42	152.50	12.08	sediment - undifferentiated	SU	y
J-18-04	152.50	168.50	16.00	pegmatite-spodumene	FIGps	y
J-18-04	168.50	168.85	0.35	sediment - undifferentiated	SU	y
J-18-04	168.85	169.50	0.65	pegmatite-spodumene	FIGps	y
J-18-04	169.50	176.50	7.00	sediment - undifferentiated	SU	y
J-18-04	176.50	178.00	1.50	chert exhalite	SC	y
<b>J-18-05</b>	0.00	1.00	1.00	overburden/casing	OB	y
J-18-05	1.00	4.86	3.86	pegmatite-spodumene	FIGps	y
J-18-05	4.86	22.80	17.94	sediment - undifferentiated	SU	y
J-18-05	22.80	23.45	0.65	pegmatite	FIGp	y
J-18-05	23.45	69.55	46.10	sediment - undifferentiated	SU	y
J-18-05	69.55	70.40	0.85	pegmatite	FIGp	y
J-18-05	70.40	89.33	18.93	diabase porphyry	MPID	y
J-18-05	89.33	100.70	11.37	pegmatite-spodumene	FIGps	y
J-18-05	100.70	123.75	23.05	sediment - undifferentiated	SU	y
J-18-05	123.75	125.60	1.85	pegmatite	FIGp	y
J-18-05	125.60	135.25	9.65	sediment - undifferentiated	SU	y
J-18-05	135.25	137.00	1.75	diabase	MID	y
<b>J-18-06</b>	0.00	1.50	1.50	overburden/casing	OB	y
J-18-06	1.50	32.20	30.70	sediment - undifferentiated	SU	y
J-18-06	32.20	37.90	5.70	diabase porphyry	MPID	y
J-18-06	37.90	57.86	19.96	sediment - undifferentiated	SU	y
J-18-06	57.86	69.95	12.09	diabase porphyry	MPID	y
J-18-06	69.95	81.80	11.85	sediment - undifferentiated	SU	y
J-18-06	81.80	98.36	16.56	pegmatite-spodumene	FIGps	y
J-18-06	98.36	110.00	11.64	sediment - undifferentiated	SU	y
<b>J-18-07</b>	0.00	1.50	1.50	overburden/casing	OB	y
J-18-07	1.50	15.95	14.45	gabbro	MIG	y
J-18-07	15.95	19.35	3.40	pegmatite-spodumene	FIGps	y
J-18-07	19.35	21.02	1.67	sediment - undifferentiated	SU	y
J-18-07	21.02	21.55	0.53	pegmatite	FIGp	y
J-18-07	21.55	71.90	50.35	sediment - undifferentiated	SU	y
J-18-07	71.90	112.40	40.50	diabase porphyry	MPID	y
J-18-07	112.40	112.65	0.25	sediment - undifferentiated	SU	y
J-18-07	112.65	112.75	0.10	pegmatite-spodumene	FIGps	y
J-18-07	112.75	120.90	8.15	sediment - undifferentiated	SU	y
J-18-07	120.90	125.40	4.50	diabase porphyry	MPID	y
J-18-07	125.40	137.00	11.60	sediment - undifferentiated	SU	y

BHID	From_m	To_m	Int_m	LITHO	CODE	FINALIZED
J-18-08	0.00	2.30	2.30	overburden/casing	OB	y
J-18-08	2.30	19.17	16.87	sediment - undifferentiated	SU	y
J-18-08	19.17	22.10	2.93	pegmatite-spodumene	FIGps	y
J-18-08	22.10	24.30	2.20	sediment - undifferentiated	SU	y
J-18-08	24.30	27.00	2.70	pegmatite-spodumene	FIGps	y
J-18-08	27.00	34.18	7.18	sediment - undifferentiated	SU	y
J-18-08	34.18	44.73	10.55	pegmatite-spodumene	FIGps	y
J-18-08	44.73	63.16	18.43	sediment - undifferentiated	SU	y
J-18-08	63.16	64.00	0.84	diabase	MID	y
J-18-08	64.00	70.05	6.05	sediment - undifferentiated	SU	y
J-18-08	70.05	98.47	28.42	diabase porphyry	MPID	y
J-18-08	98.47	106.35	7.88	pegmatite-spodumene	FIGps	y
J-18-08	106.35	124.00	17.65	sediment - undifferentiated	SU	y
<b>J-18-09</b>	0.00	1.50	1.50	overburden/casing	OB	y
J-18-09	1.50	5.30	3.80	sediment - undifferentiated	SU	y
J-18-09	5.30	11.00	5.70	diabase	MID	y
J-18-09	11.00	16.45	5.45	sediment - undifferentiated	SU	y
J-18-09	16.45	16.66	0.21	pegmatite-spodumene	FIGps	y
J-18-09	16.66	17.05	0.39	sediment - undifferentiated	SU	y
J-18-09	17.05	19.85	2.80	diabase	MID	y
J-18-09	19.85	30.06	10.21	sediment - undifferentiated	SU	y
J-18-09	30.06	30.30	0.24	pegmatite-spodumene	FIGps	y
J-18-09	30.30	54.30	24.00	sediment - undifferentiated	SU	y
J-18-09	54.30	58.40	4.10	sediment - undifferentiated	SU	y
J-18-09	58.40	68.30	9.90	pegmatite-spodumene	FIGps	y
J-18-09	68.30	89.30	21.00	diabase porphyry	MPID	y
J-18-09	89.30	98.75	9.45	pegmatite-spodumene	FIGps	y
J-18-09	98.75	114.75	16.00	sediment - undifferentiated	SU	y
J-18-09	114.75	116.60	1.85	pegmatite	FIGp	y
J-18-09	116.60	118.25	1.65	sediment - undifferentiated	SU	y
J-18-09	118.25	119.20	0.95	pegmatite	FIGp	y
J-18-09	119.20	128.00	8.80	sediment - undifferentiated	SU	y
<b>J-18-10</b>	0.00	3.00	3.00	overburden/casing	OB	y
J-18-10	3.00	74.10	71.10	sediment - undifferentiated	SU	y
J-18-10	74.10	87.60	13.50	pegmatite-spodumene	FIGps	y
J-18-10	87.60	125.00	37.40	sediment - undifferentiated	SU	y
J-18-11	0.00	6.00	6.00	overburden/casing	OB	y
J-18-11	6.00	9.20	3.20	pegmatite-spodumene	FIGps	y
J-18-11	9.20	13.10	3.90	sediment - undifferentiated	SU	y
J-18-11	13.10	14.10	1.00	pegmatite	FIGp	y
J-18-11	14.10	79.35	65.25	sediment - undifferentiated	SU	y
J-18-11	79.35	92.00	12.65	pegmatite-spodumene	FIGps	y
J-18-11	92.00	125.00	33.00	sediment - undifferentiated	SU	y
J-18-12	0.00	6.00	6.00	overburden/casing	OB	y
J-18-12	6.00	72.20	66.20	sediment - undifferentiated	SU	y
J-18-12	72.20	96.50	24.30	pegmatite-spodumene	FIGps	y
J-18-12	96.50	107.00	10.50	sediment - undifferentiated	SU	y

BHID	From_m	To_m	Int_m	LITHO	CODE	FINALIZED
<b>J-18-13</b>	0.00	3.00	3.00	overburden/casing	OB	y
J-18-13	3.00	65.40	62.40	sediment - undifferentiated	SU	y
J-18-13	65.40	78.03	12.63	pegmatite-spodumene	FIGps	y
J-18-13	78.03	224.40	146.37	sediment - undifferentiated	SU	y
J-18-13	224.40	232.65	8.25	diabase porphyry	MPID	y
J-18-13	232.65	237.65	5.00	pegmatite-spodumene	FIGps	y
J-18-13	237.65	247.25	9.60	diabase porphyry	MPID	y
J-18-13	247.25	251.00	3.75	sediment - undifferentiated	SU	y
<b>J-18-14</b>	0.00	5.00	5.00	overburden/casing	OB	y
J-18-14	5.00	9.75	4.75	sediment - undifferentiated	SU	y
J-18-14	9.75	11.90	2.15	pegmatite	FIGp	y
J-18-14	11.90	84.70	72.80	sediment - undifferentiated	SU	y
J-18-14	84.70	90.60	5.90	pegmatite-spodumene	FIGps	y
J-18-14	90.60	105.10	14.50	sediment - undifferentiated	SU	y
J-18-14	105.10	106.45	1.35	pegmatite	FIGp	y
J-18-14	106.45	127.00	20.55	sediment - undifferentiated	SU	y
<b>J-18-15</b>	0.00	2.10	2.10	overburden/casing	OB	y
J-18-15	2.10	28.67	26.57	sediment - undifferentiated	SU	y
J-18-15	28.67	33.11	4.44	pegmatite-spodumene	FIGps	y
J-18-15	33.11	45.46	12.35	diabase	MID	y
J-18-15	45.46	55.18	9.72	pegmatite-spodumene	FIGps	y
J-18-15	55.18	59.75	4.57	sediment - undifferentiated	SU	y
J-18-15	59.75	65.33	5.58	pegmatite-spodumene	FIGps	y
J-18-15	65.33	91.26	25.93	quartz diorite	MIQD	y
J-18-15	91.26	100.25	8.99	pegmatite-spodumene	FIGps	y
J-18-15	100.25	200.00	99.75	sediment - undifferentiated	SU	y
<b>J-18-16</b>	0.00	3.00	3.00	overburden/casing	OB	y
J-18-16	3.00	66.90	63.90	sediment - undifferentiated	SU	y
J-18-16	66.90	70.50	3.60	pegmatite-spodumene	FIGps	y
J-18-16	70.50	79.55	9.05	sediment - undifferentiated	SU	y
J-18-16	79.55	99.11	19.56	quartz diorite	MIQD	y
J-18-16	99.11	110.00	10.89	sediment - undifferentiated	SU	y
J-18-16	110.00	113.00	3.00	quartz diorite porphyry	MPIQD	y
J-18-16	113.00	247.00	134.00	sediment - undifferentiated	SU	y
<b>J-18-17</b>	0.00	6.00	6.00	overburden/casing	OB	y
J-18-17	6.00	15.05	9.05	sediment - undifferentiated	SU	y
J-18-17	15.05	17.05	2.00	pegmatite	FIGp	y
J-18-17	17.05	38.05	21.00	sediment - undifferentiated	SU	y
J-18-17	38.05	40.60	2.55	diabase	MID	y
J-18-17	40.60	73.60	33.00	sediment - undifferentiated	SU	y
J-18-17	73.60	76.45	2.85	pegmatite	FIGp	y
J-18-17	76.45	99.80	23.35	sediment - undifferentiated	SU	y
J-18-17	99.80	102.57	2.77	diabase	MID	y
J-18-17	102.57	159.28	56.71	sediment - undifferentiated	SU	y
J-18-17	159.28	159.38	0.10	pegmatite	FIGp	y
J-18-17	159.38	251.00	91.62	sediment - undifferentiated	SU	y

BHID	DEPTH_m	AZ	DIP		FINALIZED	NOTES	EOH
J-17-01	0.00	0.00	-82.00		y		
J-17-01	6.00	2.00	-82.80		y		
J-17-01	119.00	0.90	-81.60		y		
J-17-01	125.00	0.90	-81.60	EOH	y		125.00
J-18-01	0.00	24.00	-80.00		y		
J-18-01	24.00	22.30	-79.70		y		
J-18-01	113.00	16.00	-79.10		y		
J-18-01	116.00	16.00	-79.10	EOH	y		116.00
J-18-02	0.00	8.00	-79.00		y		
J-18-02	14.00	7.70	-79.30		y		
J-18-02	122.00	6.30	-79.70	EOH	y		122.00
J-18-03	0.00	41.00	-85.50		y		
J-18-03	18.00	41.10	-85.70		y		
J-18-03	140.00	41.10	-86.40	EOH	y		140.00
J-18-04	0.00	30.00	-81.50		y		
J-18-04	25.00	28.90	-81.20		y		
J-18-04	176.00	22.20	-79.10		y		
J-18-04	178.00	22.20	-79.10	EOH	y		178.00
J-18-05	0.00	189.00	-82.00		y		
J-18-05	5.00	187.90	-82.30		y		
J-18-05	23.00	187.90	-82.30		y		
J-18-05	135.00	177.20	-84.50		y		
J-18-05	137.00	177.20	-84.50	EOH	y		137.00
J-18-06	0.00	169.00	-82.30		y		
J-18-06	21.00	169.30	-82.00		y		
J-18-06	110.00	173.20	-80.60	EOH	y		110.00
J-18-07	0.00	151.00	-85.20		y		
J-18-07	12.00	152.20	-85.10		y		
J-18-07	117.00	166.10	-84.20		y		
J-18-07	137.00	166.10	-84.20	EOH	y		137.00
J-18-08	0.00	164.00	-80.20		y		
J-18-08	15.00	164.20	-80.10		y		
J-18-08	117.00	172.30	-79.80		y		
J-18-08	124.00	172.30	-79.80	EOH	y		124.00
J-18-09	0.00	178.50	-85.60		y		
J-18-09	26.00	179.20	-85.40		y		
J-18-09	128.00	183.20	-84.70	EOH	y		128.00
J-18-10	0.00	176.00	-75.30		y		
J-18-10	15.00	176.20	-75.10		y		
J-18-10	117.00	179.10	-72.30		y		
J-18-10	125.00	179.10	-72.30	EOH	y		125.00
J-18-11	0.00	185.20	-80.00		y		
J-18-11	15.00	185.40	-71.90		y		
J-18-11	125.00	186.60	-69.30	EOH	y		125.00
J-18-12	0.00	174.00	-72.00		y		
J-18-12	15.00	174.30	-71.00		y		
J-18-12	98.00	177.20	-68.00		y		
J-18-12	107.00	177.20	-68.00	EOH	y		107.00
J-18-13	0.00	180.00	-70.00		y		
J-18-13	18.00	154.30	-71.20		y		
J-18-13	130.00	166.10	-61.40		y		
J-18-13	242.00	168.10	-56.50		y		
J-18-13	251.00	168.10	-56.50	EOH	y		251.00
BHID	DEPTH_m	AZ	DIP		FINALIZED	NOTES	EOH

BHID	DEPTH_m	AZ	DIP		FINALIZED	NOTES	
J-18-14	0.00	180.00	-70.00		y		
J-18-14	18.00	168.80	-65.80		y		
J-18-14	115.00	171.50	-61.10		y		
J-18-14	127.00	171.50	-61.10	EOH	y		127.00
J-18-15	0.00	180.00	-85.00		y		
J-18-15	11.00	174.90	-84.70		y		
J-18-15	41.00	166.50	-84.70		y		
J-18-15	71.00	171.20	-84.80		y		
J-18-15	101.00	179.70	-84.60		y		
J-18-15	131.00	182.50	-85.60		y		
J-18-15	161.00	187.90	-84.40		y		
J-18-15	200.00	185.60	-84.00	EOH	y		200.00
J-18-16	0.00	180.00	-85.00		y		
J-18-16	11.00	179.60	-84.10		y		
J-18-16	41.00	174.10	-83.70		y		
J-18-16	71.00	178.50	-83.90		y		
J-18-16	101.00	173.50	-83.10		y		
J-18-16	131.00	180.70	-82.90		y		
J-18-16	161.00	176.60	-82.30		y		
J-18-16	191.00	182.20	-82.70		y		
J-18-16	221.00	181.10	-81.50		y		
J-18-16	247.00	181.10	-81.50	EOH	y		247.00
J-18-17	0.00	180.00	-85.00		y		
J-18-17	14.00	172.90	-84.40		y		
J-18-17	44.00	172.00	-84.30		y		
J-18-17	89.00	171.70	-83.80		y		
J-18-17	119.00	174.10	-83.70		y		
J-18-17	149.00	171.80	-83.50		y		
J-18-17	176.00	176.00	-83.50		y		
J-18-17	200.00	176.30	-82.20		y		
J-18-17	230.00	175.00	-81.80		y		
J-18-17	251.00	174.50	-80.40	EOH	y		251.00
<b>BHID</b>	<b>DEPTH_m</b>	<b>AZ</b>	<b>DIP</b>		<b>FINALIZED</b>	<b>NOTES</b>	<b>2750.0</b>



BHID	EASTING	NORTHING	ELEVATION_M	EOH_M	FINALIZED	NOTES
J-17-01	432481.84	5461235.92	458.46	125.00	y	
J-18-01	432472.00	5461287.00	458.32	116.00	y	
J-18-02	432473.00	5461356.00	461.69	122.00	y	
J-18-03	432468.00	5461413.00	461.66	140.00	y	
J-18-04	432473.50	5461481.32	462.91	178.00	y	
J-18-05	432549.72	5461383.14	466.52	137.00	y	
J-18-06	432503.00	5461327.00	461.79	110.00	y	
J-18-07	432567.13	5461211.94	462.34	137.00	y	
J-18-08	432566.00	5461267.00	464.69	124.00	y	
J-18-09	432572.00	5461334.00	462.82	128.00	y	
J-18-10	432443.00	5461325.00	455.24	125.00	y	
J-18-11	432406.00	5461359.00	450.69	125.00	y	
J-18-12	432394.00	5461329.00	454.00	107.00	y	
J-18-13	432416.00	5461294.00	450.90	251.00	y	
J-18-14	432359.00	5461359.00	446.80	127.00	y	
J-18-15	432448.85	5461202.52	452.16	200.00	y	
J-18-16	432505.31	5461179.96	452.26	247.00	y	
J-18-17	432447.00	5461173.00	452.42	251.00	y	
				<b>2750.00</b>		<b>2750.00</b>

BHID	Sample	Lab Ref	From_m	To_m	Int_m	SiO2_%	Al2O3_%	Fe2O3(T)_%	MnO_%	MgO_%	CaO_%	Na2O_%	K2O_%	TiO2_%	P2O5_%	LOI_%
J-17-01	588001	A17-14654	29.45	30.45	1.00	58.31	16.39	9.44	0.14	3.63	2.41	2.77	2.96	0.7	0.16	1.82
J-17-01	588002	A17-14654	30.45	31.45	1.00	56.8	17.82	10.27	0.15	3.86	2.1	2.72	3.08	0.75	0.12	2.3
J-17-01	588003	A17-14654	31.45	33.00	1.55	75.79	15.67	0.62	0.05	0.06	0.24	5.36	0.88	0.01	0.2	0.57
J-17-01	588004	A17-14654	33.00	34.00	1.00	74.19	16.92	1	0.05	0.08	0.28	3.47	3.44	0.01	0.2	0.45
J-17-01	588005	A17-14654	34.00	35.00	1.00	76.08	13.82	0.47	0.03	0.14	0.33	4.79	2.83	0	0.23	0.57
J-17-01	588006	A17-14654	35.00	36.00	1.00	74.52	14.95	0.92	0.06	0.16	0.31	3.32	4.3	0	0.29	0.44
J-17-01	588007	A17-14654	36.00	37.00	1.00	76.27	15.53	0.66	0.05	0.1	0.34	3.88	2.12	0.01	0.22	0.56
J-17-01	588008	A17-14654	37.00	38.00	1.00	72.12	16.41	0.99	0.04	0.19	0.43	4.57	3.15	0	0.25	0.78
J-17-01	588009	A17-14654	38.00	39.00	1.00	71.23	16.04	0.65	0.04	0.14	0.53	4.09	4.82	0.01	0.25	0.77
J-17-01	588011	A17-14654	39.00	40.00	1.00	71.59	16.09	1.01	0.06	0.14	0.44	3.14	5.59	0	0.4	0.87
J-17-01	588012	A17-14654	40.00	41.00	1.00	74.19	13.86	0.94	0.11	0.09	0.69	5.1	2.26	0	0.8	0.59
J-17-01	588013	A17-14654	41.00	42.00	1.00	74.54	14.71	0.62	0.05	0.08	0.71	5.04	2.55	0	0.64	0.94
J-17-01	588014	A17-14654	42.00	43.00	1.00	70.94	16.63	0.86	0.04	0.21	0.22	2.76	6.11	0	0.27	0.74
J-17-01	588015	A17-14654	43.00	44.00	1.00	70.19	17.35	0.72	0.03	0.06	0.22	3.86	6.17	0	0.32	0.47
J-17-01	588017	A17-14654	44.00	45.00	1.00	74.87	15.28	0.87	0.03	0.07	0.28	4.34	3.8	0.01	0.28	0.57
J-17-01	588018	A17-14654	45.00	46.00	1.00	72.92	16.25	0.83	0.03	0.19	0.34	5.13	3.45	0.01	0.27	0.98
J-17-01	588019	A17-14654	46.00	47.00	1.00	59.63	16.28	8.43	0.13	3.17	2.24	2.03	2.82	0.59	0.81	2.5
J-17-01	588021	A17-14654	47.00	48.00	1.00	62.22	15.3	8.91	0.12	3.3	2.24	2.33	2.61	0.63	0.16	1.98
J-17-01	588022	A17-14654	70.45	71.45	1.00	61.25	15.33	8.81	0.12	3.55	3.36	2.91	2.28	0.71	0.21	1.87
J-17-01	588023	A17-14654	71.45	72.45	1.00	63.39	14.91	7.06	0.2	3.01	2.82	3.27	2.13	0.58	0.29	2.49
J-17-01	588024	A17-14654	72.45	74.00	1.55	70.07	15.86	0.66	0.01	0.06	0.43	3.74	6.81	0.01	0.27	0.66
J-17-01	588025	A17-14654	74.00	75.00	1.00	71.92	16.19	0.89	0.02	0.15	0.55	5.51	3.68	0.02	0.4	0.75
J-17-01	588026	A17-14654	75.00	76.00	1.00	63.47	14.58	7.26	0.2	3.61	2.76	2.54	1.97	0.59	0.38	2.63
J-17-01	588027	A17-14654	76.00	77.00	1.00	65.41	14.4	6.38	0.16	2.9	2.75	2.92	2.31	0.57	0.17	1.72
J-17-01	588028	A17-14654	88.47	89.47	1.00	67.21	12.97	5.49	0.1	2.76	3.68	2.49	2.13	0.5	1.09	1.35
J-17-01	588029	A17-14654	89.47	90.47	1.00	65.31	13.74	6.81	0.18	3.37	2.94	2.71	1.69	0.56	0.75	2.44
J-17-01	588031	A17-14654	90.47	92.00	1.53	74.59	14.4	0.83	0.03	0.11	0.61	5.26	2.87	0.02	0.45	0.7
J-17-01	588032	A17-14654	92.00	93.27	1.27	74.19	15.57	0.56	0.02	0.06	0.44	4.89	3.35	0.01	0.25	0.9
J-17-01	588033	A17-14654	93.27	94.27	1.00	64.35	14.51	7.19	0.16	3.23	2.25	3.15	2.15	0.57	0.25	1.98
J-17-01	588034	A17-14654	94.27	95.27	1.00	61.71	15.59	8.08	0.13	3.73	2.61	3.1	2.47	0.62	0.17	1.8
J-18-01	588035	A18-01245	67.45	68.45	1.00	63.31	15.55	8.01	0.09	3.2	2.02	3.03	2.67	0.61	0.16	1.59
J-18-01	588036	A18-01245	68.45	69.45	1.00	64.25	15.74	5.45	0.07	2.46	2.1	3.96	2.16	0.54	0.76	1.33
J-18-01	588037	A18-01245	69.45	69.95	0.50	67.12	16.37	2.82	0.08	1.15	1.42	4.21	2.42	0.25	1.05	1.66
J-18-01	588038	A18-01245	69.95	71.00	1.05	71.79	16.33	0.87	0.05	0.1	0.27	5.86	1.88	0.01	0.26	0.74
J-18-01	588039	A18-01245	71.00	72.00	1.00	73.14	15.83	0.67	0.06	0.07	0.24	6.83	1.14	0	0.3	0.58
J-18-01	588041	A18-01245	72.00	73.00	1.00	71.49	15.91	0.8	0.05	0.15	0.37	5.43	3.62	0	0.34	0.79
J-18-01	588042	A18-01245	73.00	74.00	1.00	69.03	18.17	0.65	0.06	0.05	0.21	4.23	7.08	0	0.35	0.36
J-18-01	588043	A18-01245	74.00	75.00	1.00	72.46	17.34	1.03	0.12	0.06	0.2	4.09	2.41	0	0.35	0.42
J-18-01	588044	A18-01245	75.00	76.00	1.00	72.48	16.94	0.92	0.1	0.06	0.17	4.53	2.61	0	0.34	0.52
J-18-01	588045	A18-01245	76.00	77.00	1.00	72.39	14.95	0.58	0.05	0.04	0.22	4.71	4.99	0	0.36	0.34
J-18-01	588046	A18-01245	77.00	78.00	1.00	74.67	13.97	0.84	0.1	0.08	0.34	4.27	3.56	0	0.52	0.46

BHID	Sample	Lab Ref	From_m	To_m	Int_m	SiO2_%	Al2O3_%	Fe2O3(T)_%	MnO_%	MgO_%	CaO_%	Na2O_%	K2O_%	TiO2_%	P2O5_%	LOI_%
J-18-01	588047	A18-01245	78.00	79.00	1.00	71.15	16.26	0.74	0.06	0.04	0.28	4.04	5.54	0	0.34	0.27
J-18-01	588048	A18-01245	79.00	80.00	1.00	71.34	16.3	0.58	0.03	0.06	0.29	6.49	3.27	0	0.29	0.39
J-18-01	588049	A18-01245	80.00	81.57	1.57	71.78	16.49	0.77	0.07	0.04	0.19	5.47	2.36	0	0.24	0.31
J-18-01	588051	A18-01245	81.57	83.00	1.43	61.81	16.1	7.94	0.1	3.1	1.94	3.18	2.91	0.61	0.3	1.59
J-18-01	588052	A18-01245	83.00	84.00	1.00	58.81	16.72	9.72	0.16	3.59	1.83	3.2	2.75	0.66	0.22	2.27
J-18-01	588053	A18-01245	84.00	85.00	1.00	77.88	12.89	0.71	0.05	0.07	0.29	4.37	1.97	0	0.29	0.47
J-18-01	588054	A18-01245	85.00	86.00	1.00	71.42	17.42	0.75	0.04	0.07	0.18	4.44	3.55	0.01	0.2	0.52
J-18-01	588055	A18-01245	86.00	87.00	1.00	71.61	17.13	0.88	0.06	0.07	0.19	4.36	1.92	0	0.21	0.41
J-18-01	588057	A18-01245	87.00	88.35	1.35	73.37	16.57	0.94	0.05	0.18	0.38	4.16	2.45	0	0.34	0.75
J-18-01	588058	A18-01245	88.35	89.35	1.00	58.55	16.74	9.46	0.14	3.46	1.95	2.88	3.27	0.66	0.25	2
J-18-01	588059	A18-01245	89.35	90.35	1.00	61.09	15.86	8.55	0.1	3.18	1.93	3.12	2.99	0.65	0.13	1.75
J-18-02	588061	A18-01245	78.45	79.45	1.00	62.99	16.79	6.46	0.07	3.11	2.02	2.94	2.3	0.62	0.38	1.82
J-18-02	588062	A18-01245	79.45	80.45	1.00	64.1	16.03	6.47	0.09	3.01	1.9	3.27	2.69	0.61	0.28	1.6
J-18-02	588063	A18-01245	80.45	82.00	1.55	71.75	15.85	0.64	0.03	0.1	0.33	6.91	2.2	0.02	0.29	0.56
J-18-02	588064	A18-01245	82.00	83.00	1.00	72.46	16.57	0.65	0.06	0.08	0.29	4.6	4.29	0	0.36	0.63
J-18-02	588065	A18-01245	83.00	84.00	1.00	73.94	14.89	0.86	0.1	0.15	0.31	2.63	5.4	0	0.44	0.76
J-18-02	588066	A18-01245	84.00	85.00	1.00	73.94	15.97	0.69	0.06	0.24	0.32	4.4	3.16	0	0.3	0.86
J-18-02	588067	A18-01245	85.00	86.00	1.00	74.52	15.93	0.81	0.06	0.09	0.21	4.3	2.17	0	0.22	0.44
J-18-02	588068	A18-01245	86.00	87.00	1.00	72.26	16.14	0.75	0.05	0.25	0.44	4.21	4.46	0	0.31	0.9
J-18-02	588069	A18-01245	87.00	88.00	1.00	72.25	16.25	0.73	0.05	0.14	0.23	6.34	1.58	0	0.26	0.58
J-18-02	588071	A18-01245	88.00	89.00	1.00	72.13	15.96	0.61	0.06	0.07	0.23	6.49	2.11	0	0.3	0.28
J-18-02	588072	A18-01245	89.00	90.00	1.00	73.24	15.54	0.67	0.05	0.1	0.28	5.24	2.46	0.01	0.26	0.6
J-18-02	588073	A18-01245	90.00	91.00	1.00	74.46	14.99	0.66	0.05	0.15	0.26	5.86	2.4	0	0.27	0.64
J-18-02	588074	A18-01245	91.00	92.00	1.00	73.23	15.86	0.76	0.07	0.06	0.21	5.2	2.34	0	0.3	0.48
J-18-02	588075	A18-01245	92.00	93.00	1.00	74.39	15.11	0.74	0.07	0.08	0.26	4.39	3.39	0	0.34	0.55
J-18-02	588077	A18-01245	93.00	94.00	1.00	71.88	17.24	0.86	0.09	0.06	0.21	3.61	4.22	0	0.34	0.49
J-18-02	588078	A18-01245	94.00	95.00	1.00	72.77	16.32	0.73	0.07	0.05	0.21	4.51	3.34	0	0.32	0.34
J-18-02	588079	A18-01245	95.00	96.00	1.00	71.42	17.68	0.67	0.06	0.09	0.23	5.33	3.44	0.01	0.29	0.68
J-18-02	588081	A18-01245	96.00	97.00	1.00	73.07	16.1	0.7	0.05	0.12	0.22	5.1	2.86	0	0.26	0.6
J-18-02	588082	A18-01245	97.00	98.00	1.00	72.85	15.42	0.73	0.09	0.06	0.26	4.37	3.33	0	0.4	0.33
J-18-02	588083	A18-01245	98.00	99.00	1.00	76.49	13.1	0.71	0.06	0.16	0.43	3.85	3.73	0	0.36	0.68
J-18-02	588084	A18-01245	99.00	100.00	1.00	77.46	12.63	0.94	0.21	0.15	0.39	3.93	2.69	0	0.84	0.72
J-18-02	588085	A18-01245	100.00	101.00	1.00	74.28	14.94	1.02	0.19	0.1	0.33	3.37	3.58	0	0.66	0.52
J-18-02	588086	A18-01245	101.00	102.00	1.00	73.61	15.08	0.8	0.07	0.19	0.24	3.74	3.98	0	0.24	0.75
J-18-02	588087	A18-01245	102.00	103.00	1.00	74.7	15.64	0.83	0.07	0.12	0.24	4.11	2.8	0	0.26	0.5
J-18-02	588088	A18-01245	103.00	104.00	1.00	72.44	15.39	0.72	0.06	0.14	0.21	4.69	4.26	0	0.32	0.51
J-18-02	588089	A18-01245	104.00	105.00	1.00	72.63	15.27	1.05	0.21	0.1	0.63	5.48	2.69	0	1	0.74
J-18-02	588091	A18-01245	105.00	106.00	1.00	70.8	15.82	0.85	0.08	0.2	0.38	5.54	3.64	0	0.39	0.88
J-18-02	588092	A18-01245	106.00	107.00	1.00	71.22	16.5	0.92	0.08	0.14	0.47	5.8	3.26	0	0.52	0.75
J-18-02	588093	A18-01245	107.00	108.00	1.00	67.08	19.78	1.07	0.08	0.27	0.54	6.62	3.07	0	0.48	1.29
J-18-02	588094	A18-01245	108.00	109.00	1.00	72.14	14.85	0.9	0.06	0.11	0.36	4.45	4.92	0	0.36	0.52

BHID	Sample	Lab Ref	From_m	To_m	Int_m	SiO2_%	Al2O3_%	Fe2O3(T)_%	MnO_%	MgO_%	CaO_%	Na2O_%	K2O_%	TiO2_%	P2O5_%	LOI_%
J-18-02	588095	A18-01245	109.00	110.00	1.00	72.44	15.6	0.68	0.02	0.13	0.38	6.63	2.28	0	0.21	0.61
J-18-02	588097	A18-01245	110.00	111.00	1.00	70.65	16.31	1.44	0.07	0.43	1.27	5.92	2.15	0.08	0.74	1.34
J-18-02	588098	A18-01245	111.00	112.00	1.00	70.51	15.75	1.42	0.08	0.41	0.88	5.49	2.36	0.08	0.66	1.07
J-18-02	588099	A18-01245	112.00	112.70	0.70	74.64	14.44	0.7	0.03	0.04	0.32	5.35	2.23	0.01	0.22	0.7
J-18-02	588101	A18-01245	112.70	113.39	0.69	69.21	12.85	5.98	0.13	2.37	1.82	2.66	2.17	0.51	0.6	1.58
J-18-02	588102	A18-01245	113.39	113.68	0.29	83.65	5.96	1.84	0.05	0.64	2.76	1.3	0.78	0.17	1.06	1.2
J-18-02	588103	A18-01245	113.68	114.68	1.00	67.64	12.99	5.48	0.08	2.61	2.16	3.18	2.26	0.52	0.16	2.12
J-18-03	588104	A18-01245	8.40	9.40	1.00	64.32	15.19	6.88	0.1	3.3	2.31	2.63	2.37	0.65	0.18	2.48
J-18-03	588105	A18-01245	9.40	10.40	1.00	63.76	15.02	6.67	0.11	3.27	2.11	3.18	2.05	0.64	0.17	2.58
J-18-03	588106	A18-01245	10.40	11.40	1.00	74.73	14.84	0.78	0.08	0.18	0.34	2.46	2.07	0.01	0.27	0.85
J-18-03	588107	A18-01245	11.40	12.40	1.00	73.91	16.53	0.73	0.07	0.13	0.32	2.65	1.64	0	0.19	0.67
J-18-03	588108	A18-01245	12.40	13.40	1.00	71.76	16.29	0.18	0.01	0.04	0.63	9.7	0.32	0	0.37	0.33
J-18-03	588109	A18-01245	13.40	14.40	1.00	71.64	16.51	0.19	0.02	0.04	0.67	9.75	0.28	0	0.47	0.29
J-18-03	588111	A18-01245	14.40	15.40	1.00	71.71	16.56	0.34	0.02	0.05	0.88	8.9	0.64	0.01	0.37	0.69
J-18-03	588112	A18-01245	15.40	16.50	1.10	73.68	15.35	0.35	0.01	0.04	0.53	7.34	1.41	0.01	0.22	0.71
J-18-03	588113	A18-01245	16.50	17.50	1.00	65.74	13.64	6.59	0.12	3.9	2.03	1.99	2.71	0.59	0.15	2.4
J-18-03	588114	A18-01245	17.50	18.50	1.00	64.66	13.48	7.26	0.11	4.07	2.58	1.92	2.63	0.65	0.17	2.69
J-18-03	588115	A18-01245	32.85	33.67	0.82	72.82	14.8	0.33	0.01	0.05	0.86	8	0.65	0.01	0.23	0.76
J-18-03	588117	A18-01245	106.50	107.50	1.00	63.97	15.59	7.17	0.08	3.01	1.95	3.47	2.23	0.58	0.1	1.65
J-18-03	588118	A18-01245	107.50	108.50	1.00	67.98	14.09	5.42	0.08	2.31	2.03	3.6	2.06	0.46	0.44	1.46
J-18-03	588119	A18-01245	108.50	109.50	1.00	74.19	15.98	0.52	0.03	0.08	0.38	6.55	1.62	0.01	0.28	0.74
J-18-03	588121	A18-01245	109.50	110.50	1.00	73.69	15.9	0.69	0.09	0.19	0.25	4.26	2.71	0	0.23	0.73
J-18-03	588122	A18-01245	110.50	111.50	1.00	76.12	14.52	0.62	0.07	0.14	0.25	3.73	2.62	0	0.21	0.7
J-18-03	588123	A18-01245	111.50	112.50	1.00	72.75	15.45	0.66	0.05	0.17	0.29	4.68	3.98	0.01	0.23	0.72
J-18-03	588124	A18-01245	112.50	113.20	0.70	69.63	17.81	0.7	0.04	0.21	0.51	6.9	3.21	0.01	0.28	0.9
J-18-03	588125	A18-01245	113.20	114.20	1.00	64.27	14.35	6.41	0.18	2.87	1.67	2.48	2.8	0.55	0.45	2.28
J-18-03	588126	A18-01245	114.20	115.20	1.00	64.23	14.4	6.85	0.12	3.28	1.95	3.22	2.33	0.59	0.13	2.51
J-18-03	588127	A18-01245	117.50	118.50	1.00	64.08	15.31	6.83	0.12	2.85	2.29	3.56	1.97	0.6	0.14	2.2
J-18-03	588128	A18-01245	118.50	119.50	1.00	62.94	14.96	6.34	0.14	2.66	1.74	4.24	1.88	0.56	0.14	2.86
J-18-03	588129	A18-01245	119.50	120.50	1.00	61.63	15.69	8.03	0.16	3.47	1.75	3.38	2.25	0.6	0.15	2.4
J-18-03	588131	A18-01245	120.50	121.50	1.00	75.12	13.85	1.17	0.14	0.35	0.44	1.76	4.1	0.01	0.55	1.71
J-18-03	588132	A18-01245	121.50	122.50	1.00	67.74	19.97	0.67	0.04	0.26	0.24	4.64	4.88	0.01	0.19	1.63
J-18-03	588133	A18-01245	122.50	123.50	1.00	79.47	10.56	0.78	0.03	0.34	0.67	2.07	3.31	0	0.22	1.36
J-18-03	588134	A18-01245	123.50	124.50	1.00	88.18	6.01	0.58	0.02	0.08	0.16	2.01	1.39	0	0.08	0.42
J-18-03	588135	A18-01245	124.50	125.20	0.70	77.44	13.58	0.39	0.01	0.06	0.43	5	1.63	0.01	0.28	0.9
J-18-03	588137	A18-01245	125.20	126.20	1.00	59.81	15.1	7.77	0.31	3.4	3.4	3.03	1.79	0.65	0.61	3.75
J-18-03	588138	A18-01245	126.20	127.20	1.00	60.65	15.65	8.6	0.2	3.56	1.96	3.7	1.33	0.64	0.14	3.68
J-18-04	588139	A18-01245	2.20	3.00	0.80	72.08	18.33	0.75	0.07	0.13	0.27	2.76	1.42	0.01	0.08	0.76
J-18-04	588141	A18-01245	3.00	4.00	1.00	76.64	15.89	0.57	0.06	0.13	0.18	2.78	1.18	0	0.11	0.63
J-18-04	588142	A18-01245	4.00	5.00	1.00	74.43	16.83	0.62	0.05	0.14	0.25	4.48	1.59	0	0.22	0.68
J-18-04	588143	A18-01245	5.00	6.00	1.00	68.64	18.75	0.63	0.05	0.15	0.31	3.76	3.59	0	0.18	0.68

BHID	Sample	Lab Ref	From m	To m	Int m	SiO2 %	Al2O3 %	Fe2O3(T) %	MnO %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	LOI %
J-18-04	588144	A18-01245	6.00	7.00	1.00	68.72	21.3	0.74	0.09	0.09	0.28	1.86	1.66	0	0.2	0.49
J-18-04	588145	A18-01245	7.00	8.00	1.00	71.11	20.42	0.73	0.08	0.09	0.15	1.78	0.48	0	0.08	0.41
J-18-04	588146	A18-01245	8.00	9.43	1.43	69.67	19.06	0.41	0.03	0.04	0.27	8.04	1.61	0	0.25	0.55
J-18-04	588147	A18-01245	9.43	10.43	1.00	65.79	15.4	5.34	0.1	2.64	1.8	2.99	2.64	0.5	0.46	1.86
J-18-04	588148	A18-01245	10.43	11.43	1.00	65.63	15.17	5.34	0.07	2.69	1.93	3.41	2.52	0.52	0.11	1.58
J-18-04	588149	A18-01245	120.20	120.42	0.22	78.09	12.88	0.75	0.01	0.2	0.28	2.96	2.41	0.03	0.1	1.23
J-18-04	588151	A18-01245	150.50	151.50	1.00	59.31	17.67	9.03	0.1	3.02	1.66	2.33	3.98	0.59	0.24	1.7
J-18-04	588152	A18-01245	151.50	152.50	1.00	59.96	16.21	8.95	0.13	2.61	2.64	0.52	3.73	0.51	1.92	2.35
J-18-04	588153	A18-01245	152.50	154.00	1.50	72.71	15.03	2.42	0.14	0.57	0.88	0.87	3.64	0.12	0.79	2.14
J-18-04	588154	A18-01245	154.00	155.00	1.00	74.26	15.96	1.33	0.06	0.07	0.32	1.44	3.96	0.01	0.28	1.86
J-18-04	588155	A18-01245	155.00	156.00	1.00	75.6	13.52	0.56	0.06	0.1	0.2	4.52	2.21	0.01	0.26	0.69
J-18-04	588157	A18-01245	156.00	157.00	1.00	72.97	14.56	0.62	0.07	0.16	0.21	2.82	5.85	0	0.33	0.97
J-18-04	588158	A18-01245	157.00	158.00	1.00	76.01	14.12	0.63	0.06	0.15	0.19	3.31	4.24	0	0.32	0.79
J-18-04	588159	A18-01245	158.00	159.00	1.00	67.11	16.84	0.27	0.02	0.03	0.12	2.38	11.78	0	0.36	0.22
J-18-04	588161	A18-01245	159.00	160.00	1.00	69.8	16.07	0.73	0.18	0.08	0.49	4.75	5.82	0	0.91	0.63
J-18-04	588162	A18-01245	160.00	161.00	1.00	72.48	14.86	0.87	0.23	0.05	0.39	2.64	5.22	0.01	0.9	1.12
J-18-04	588163	A18-01245	161.00	162.00	1.00	78	12.91	0.62	0.08	0.06	0.13	3.04	3.9	0	0.33	0.4
J-18-04	588164	A18-01245	162.00	163.00	1.00	70.77	15.25	0.85	0.25	0.08	0.57	1.9	8.07	0	1.1	0.76
J-18-04	588165	A18-01245	163.00	164.00	1.00	71.19	16.19	0.39	0.06	0.03	0.34	6.3	3.95	0	0.43	0.47
J-18-04	588166	A18-01245	164.00	165.00	1.00	71.25	16.66	0.44	0.05	0.08	0.22	3.49	6.88	0	0.27	0.53
J-18-04	588167	A18-01245	165.00	166.00	1.00	72.9	16.85	0.6	0.15	0.06	0.29	6.57	1.01	0	0.45	0.63
J-18-04	588168	A18-01245	166.00	167.00	1.00	72.91	16.5	0.65	0.11	0.13	0.32	5.69	1.43	0	0.3	0.84
J-18-04	588169	A18-01245	167.00	168.00	1.00	74.08	15.89	0.48	0.03	0.08	0.47	6.35	2.16	0	0.31	0.77
J-18-04	588171	A18-01245	168.00	168.50	0.50	71.77	17.26	0.4	0.02	0.07	0.48	6.78	1.73	0	0.3	1.08
J-18-04	588172	A18-01245	168.50	168.85	0.35	56.39	17.75	10.6	0.39	2.8	2.31	1.4	1.7	0.58	1.43	3.54
J-18-04	588173	A18-01245	168.85	169.50	0.65	71.63	17.17	1.13	0.06	0.25	1.47	0.84	4.4	0.04	1.05	2.27
J-18-04	588174	A18-01245	169.50	170.50	1.00	57.28	18.13	9.43	0.2	3.16	1.81	2.09	3.54	0.67	0.22	2.56
J-18-04	588175	A18-01245	170.50	171.50	1.00	57.97	18.38	8.77	0.13	2.95	2.51	2.63	3.43	0.66	0.15	2.25
J-18-04	588177	A18-01245	176.00	177.00	1.00	56.76	15.21	15.05	0.13	2.71	4.74	0.77	2.41	0.5	0.1	1.66
J-18-04	588178	A18-01245	177.00	178.00	1.00	69.06	8.81	12.17	0.06	1.02	4.21	0.23	1.4	0.11	0.37	2.18
J-18-05	588179	A18-01502	1.00	1.50	0.50	76.72	15.72	0.97	0.06	0.07	0.2	2.49	1.46	0.01	0.14	0.43
J-18-05	588181	A18-01502	1.50	2.50	1.00	76.26	15.37	0.67	0.04	0.06	0.2	4.4	1.13	0	0.16	0.48
J-18-05	588182	A18-01502	2.50	3.50	1.00	72.31	16.45	0.42	0.01	0.03	0.27	8.12	1.45	0	0.25	0.41
J-18-05	588183	A18-01502	3.50	4.86	1.36	71.58	16.7	0.42	0.02	0.05	0.41	7.05	2.37	0.01	0.34	0.69
J-18-05	588184	A18-01502	4.86	5.86	1.00	65.87	14.51	6.72	0.15	2.46	1.49	2.61	2.68	0.57	0.19	2.78
J-18-05	588185	A18-01502	5.86	6.86	1.00	65.07	14.9	6.79	0.11	2.78	2.13	2.94	1.9	0.58	0.13	3
J-18-05	588186	A18-01502	22.80	23.45	0.65	82.14	9.87	0.74	0.02	0.07	0.2	4.05	0.94	0.01	0.1	0.59
J-18-05	588187	A18-01502	69.55	70.40	0.85	76.55	12.56	1.32	0.03	0.3	0.54	2.34	3.34	0.03	0.33	1.32
J-18-05	588188	A18-01502	87.33	88.33	1.00	50.44	13.95	13.55	0.21	7.08	9.48	2.25	0.78	1.2	0.11	1
J-18-05	588189	A18-01502	88.33	89.33	1.00	50.02	14.27	13.11	0.22	6.7	9.28	2.55	0.5	1.22	0.13	1.43
J-18-05	588191	A18-01502	89.33	90.50	1.17	72.75	14.48	1.47	0.03	0.61	0.68	3.67	4.83	0.01	0.32	1.11

BHID	Sample	Lab Ref	From_m	To_m	Int_m	SiO2_%	Al2O3_%	Fe2O3(T)_%	MnO_%	MgO_%	CaO_%	Na2O_%	K2O_%	TiO2_%	P2O5_%	LOI_%
J-18-05	588192	A18-01502	90.50	91.50	1.00	73.08	15.45	1.29	0.02	0.35	0.63	6.06	1.88	0	0.28	0.88
J-18-05	588193	A18-01502	91.50	92.50	1.00	73.16	14.46	1.54	0.03	0.26	0.44	4.28	4.01	0	0.22	0.83
J-18-05	588194	A18-01502	92.50	93.50	1.00	74.22	14.73	1.13	0.04	0.16	0.41	3.99	4.47	0	0.39	0.64
J-18-05	588195	A18-01502	93.50	94.50	1.00	73.55	15.77	0.95	0.03	0.1	0.32	4.35	4.18	0	0.27	0.49
J-18-05	588197	A18-01502	94.50	95.50	1.00	72.26	16.2	0.83	0.03	0.19	0.24	4.09	5.43	0	0.26	0.52
J-18-05	588198	A18-01502	95.50	96.50	1.00	75.02	14.97	0.83	0.05	0.12	0.23	4.34	2.06	0	0.24	0.57
J-18-05	588199	A18-01502	96.50	97.50	1.00	74.57	15.09	1	0.07	0.15	0.44	2.29	4.88	0	0.46	0.74
J-18-05	588201	A18-01502	97.50	98.50	1.00	76.1	14.86	0.93	0.06	0.07	0.23	3.11	2.55	0	0.21	0.37
J-18-05	588202	A18-01502	98.50	99.50	1.00	74.33	15.92	1.01	0.04	0.08	0.2	3.88	2.77	0	0.17	0.37
J-18-05	588203	A18-01502	99.50	100.70	1.20	73.71	16.05	0.67	0.03	0.1	0.24	5.59	2.19	0.01	0.15	0.74
J-18-05	588204	A18-01502	100.70	101.70	1.00	64.88	15.06	6.88	0.09	3.05	1.43	3.28	1.08	0.53	0.29	2.42
J-18-05	588205	A18-01502	101.70	102.70	1.00	65.37	15.99	6.2	0.08	2.74	1.53	3.23	1.96	0.5	0.37	2.29
J-18-05	588206	A18-01502	121.75	122.75	1.00	66.01	14.4	7	0.07	2.89	0.77	3.12	2.57	0.58	0.13	2.76
J-18-05	588207	A18-01502	122.75	123.75	1.00	65.93	14.6	5.36	0.07	2.36	1.55	3.46	1.75	0.45	0.76	2.17
J-18-05	588208	A18-01502	123.75	124.75	1.00	76.28	14.58	0.52	0.01	0.03	0.25	7.25	0.73	0.01	0.09	0.51
J-18-05	588209	A18-01502	124.75	125.60	0.85	76.26	13.6	0.55	0.01	0.03	0.28	5.42	1.41	0.01	0.15	0.76
J-18-05	588211	A18-01502	125.60	126.60	1.00	66.99	13.89	6.1	0.07	2.57	1.15	3.1	2.36	0.53	0.14	2.63
J-18-05	588212	A18-01502	126.60	127.60	1.00	67.26	14.06	6.11	0.07	2.62	1.26	3.25	2.07	0.54	0.11	2.82
J-18-06	588213	A18-03395	79.80	80.80	1.00	59.99	16.18	8.96	0.1	3.29	1.86	2.28	2.79	0.61	0.15	2.2
J-18-06	588214	A18-03395	80.80	81.80	1.00	62.73	15.1	7.93	0.1	3.1	1.94	2.45	2.66	0.58	0.16	2.06
J-18-06	588215	A18-03395	81.80	83.00	1.20	75.52	14.05	0.96	0.05	0.13	0.83	4.36	2.09	0.01	0.58	0.85
J-18-06	588217	A18-03395	83.00	84.00	1.00	74.91	14.61	0.9	0.05	0.37	0.37	4.18	3.58	0	0.28	1.2
J-18-06	588218	A18-03395	84.00	85.00	1.00	73.8	14.75	0.92	0.09	0.36	0.48	4.07	3.99	0.01	0.45	1.13
J-18-06	588219	A18-03395	85.00	86.00	1.00	73.9	14.97	1	0.09	0.56	0.38	3.9	3.73	0	0.36	1.58
J-18-06	588221	A18-03395	86.00	87.00	1.00	74.12	14.72	1.03	0.05	0.58	0.38	3.78	3.23	0	0.18	1.77
J-18-06	588222	A18-03395	87.00	88.00	1.00	71.74	14.23	3.17	0.07	1.15	1.06	3.84	2.38	0.22	0.21	1.69
J-18-06	588223	A18-03395	88.00	89.00	1.00	68.53	16.22	3.91	0.1	1.5	1.15	4.21	2.39	0.31	0.34	1.46
J-18-06	588224	A18-03395	89.00	90.00	1.00	73.94	15.27	0.83	0.09	0.09	0.57	5.64	1.76	0.01	0.49	1.04
J-18-06	588225	A18-03395	90.00	91.00	1.00	72.57	16.4	1.2	0.16	0.09	0.43	3.79	2.71	0	0.66	0.65
J-18-06	588226	A18-03395	91.00	92.00	1.00	73.34	16.08	1.09	0.12	0.25	0.47	4.02	2.54	0	0.5	0.97
J-18-06	588227	A18-03395	92.00	93.00	1.00	72.93	16.28	1.28	0.12	0.2	0.52	2.58	2.12	0	0.31	1
J-18-06	588228	A18-03395	93.00	94.00	1.00	72.85	16.63	1.37	0.16	0.23	0.27	2.04	2.07	0	0.32	0.95
J-18-06	588229	A18-03395	94.00	95.00	1.00	72.39	16.43	1.28	0.13	0.27	0.2	2.59	2.06	0	0.28	1.01
J-18-06	588231	A18-03395	95.00	96.00	1.00	72.71	15.46	0.86	0.09	0.04	0.21	4.56	3.05	0	0.34	0.58
J-18-06	588232	A18-03395	96.00	97.00	1.00	73.55	15.95	0.74	0.1	0.05	0.2	5.13	2.96	0	0.34	0.43
J-18-06	588233	A18-03395	97.00	98.36	1.36	72.58	15.77	0.52	0.04	0.03	0.27	5.47	4.06	0	0.31	0.71
J-18-06	588234	A18-03395	98.36	99.36	1.00	62.71	15.53	8.08	0.09	3.17	2.04	2.81	2.75	0.6	0.14	1.57
J-18-06	588235	A18-03395	99.36	100.36	1.00	66.19	14.26	6.87	0.08	2.71	2.29	2.97	2.03	0.55	0.13	1.26
J-18-07	588237	A18-03203	13.95	14.95	1.00	53.23	15.5	9.66	0.12	5.32	7.54	3.15	1.82	1.64	0.29	1.58
J-18-07	588238	A18-03203	14.95	15.95	1.00	53.21	15.64	9.51	0.13	5.17	7.34	3.14	1.88	1.72	0.3	1.51
J-18-07	588239	A18-03203	15.95	17.00	1.05	76.35	12.76	1.22	0.04	0.21	0.79	5.51	1.32	0.07	0.43	0.66

BHID	Sample	Lab Ref	From m	To m	Int m	SiO2 %	Al2O3 %	Fe2O3(T) %	MnO %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	LOI %
J-18-07	588241	A18-03203	17.00	18.00	1.00	72.73	16.94	1.02	0.06	0.13	0.24	4.4	2.83	0.01	0.22	0.64
J-18-07	588242	A18-03203	18.00	19.35	1.35	72.27	15.45	1.7	0.09	0.52	1.01	4.07	2.73	0.1	0.95	1.4
J-18-07	588243	A18-03203	19.35	21.00	1.65	63.64	15.98	5.93	0.17	2.71	2.11	3.39	2.9	0.52	0.57	1.78
J-18-07	588244	A18-03203	21.00	21.55	0.55	73.31	15.22	0.83	0.02	0.13	0.81	6.63	1	0.03	0.24	0.75
J-18-07	588245	A18-03203	21.55	22.55	1.00	65.01	15.23	6.55	0.11	3.03	2.5	3.21	2.52	0.57	0.17	1.35
J-18-07	588246	A18-03203	22.55	23.55	1.00	62.86	15.51	7.12	0.1	3.25	2.64	3.31	2.61	0.62	0.15	1.42
J-18-07	588247	A18-03203	111.65	112.65	1.00	53.88	14.3	11.61	0.16	6.11	8.22	2.43	0.89	1.03	0.12	1.85
J-18-07	588248	A18-03203	112.65	112.75	0.10	71.91	15.87	2.5	0.04	1.12	1.64	3.6	1.71	0.13	0.41	1
J-18-07	588249	A18-03203	112.75	113.75	1.00	65.45	13.8	7.62	0.12	3.94	1.84	2.68	2.25	0.57	0.15	1.63
J-18-08	588251	A18-03395	17.17	18.17	1.00	62.99	15.87	7.77	0.1	3.16	2.22	2.91	2.42	0.61	0.13	1.37
J-18-08	588252	A18-03395	18.17	19.17	1.00	65.17	14.94	7.55	0.09	3	2.09	2.72	2.38	0.56	0.17	1.43
J-18-08	588253	A18-03395	19.17	20.00	0.83	69.07	17.23	0.5	0.05	0.05	0.41	5.62	5.34	0.01	0.47	0.51
J-18-08	588254	A18-03395	20.00	21.00	1.00	72.33	16.69	0.59	0.04	0.09	0.48	5.84	2.95	0.01	0.28	0.99
J-18-08	588255	A18-03395	21.00	22.10	1.10	71.76	15.68	0.97	0.03	0.22	0.41	5.83	2.77	0.04	0.31	0.71
J-18-08	588257	A18-03395	22.10	23.10	1.00	62.36	15.87	7.57	0.1	3.04	2.07	3	2.58	0.59	0.52	1.58
J-18-08	588258	A18-03395	23.10	24.30	1.20	63.92	15.2	7.24	0.1	2.84	2.28	2.47	2.76	0.54	0.82	1.59
J-18-08	588259	A18-03395	24.30	25.00	0.70	71.31	16.21	0.6	0.03	0.05	0.25	4.28	5.5	0.01	0.26	0.57
J-18-08	588261	A18-03395	25.00	26.00	1.00	73.82	15.07	0.64	0.06	0.05	0.18	4.2	3.89	0.01	0.28	0.41
J-18-08	588262	A18-03395	26.00	27.00	1.00	73.83	15.95	0.52	0.03	0.04	0.42	7.47	1.36	0	0.32	0.75
J-18-08	588263	A18-03395	27.00	28.00	1.00	62.8	15.09	9.03	0.13	2.75	2.4	2.42	2.66	0.59	0.39	1.56
J-18-08	588264	A18-03395	28.00	29.00	1.00	61.13	14.97	10.73	0.12	3.11	2.34	2.09	2.86	0.58	0.16	1.53
J-18-08	588265	A18-03395	32.18	33.18	1.00	65.18	15.04	7.06	0.09	2.85	2.36	2.8	2.43	0.58	0.12	1.26
J-18-08	588266	A18-03395	33.18	34.18	1.00	66.25	14.31	6.38	0.1	2.64	2.37	2.81	2.19	0.55	0.28	1.46
J-18-08	588267	A18-03395	34.18	35.00	0.82	79.22	12.8	0.74	0.04	0.06	0.27	2.94	2.49	0.01	0.13	1.23
J-18-08	588268	A18-03395	35.00	36.00	1.00	74.99	16.24	1.23	0.09	0.05	0.3	3.28	1.05	0.01	0.29	0.53
J-18-08	588269	A18-03395	36.00	37.00	1.00	76.66	14.36	0.96	0.04	0.05	0.28	3.57	1.87	0	0.17	0.43
J-18-08	588271	A18-03395	37.00	38.00	1.00	74.28	15.44	0.91	0.04	0.18	0.5	5	2.41	0.03	0.36	1.05
J-18-08	588272	A18-03395	38.00	38.75	0.75	69.04	16.52	2.88	0.15	0.89	1.19	2.4	2.33	0.17	0.94	1.54
J-18-08	588273	A18-03395	38.75	39.75	1.00	68.66	16.66	2.98	0.09	1.16	0.94	4.91	2.21	0.24	0.67	1.16
J-18-08	588274	A18-03395	39.75	40.75	1.00	72.8	17.02	0.85	0.09	0.06	0.24	4.79	1.84	0.01	0.35	0.53
J-18-08	588275	A18-03395	40.75	41.75	1.00	71.63	17.3	0.64	0.06	0.03	0.28	7.65	1.21	0	0.36	0.4
J-18-08	588277	A18-03395	41.75	42.75	1.00	72.93	17.52	1.07	0.11	0.07	0.2	3.56	0.93	0	0.23	0.42
J-18-08	588278	A18-03395	42.75	43.75	1.00	70.03	17.44	0.81	0.06	0.05	0.18	4.25	4.31	0	0.24	0.45
J-18-08	588279	A18-03395	43.75	44.75	1.00	72.83	16.44	0.51	0.04	0.03	0.24	6.38	1.47	0	0.2	0.84
J-18-08	588281	A18-03395	44.75	45.75	1.00	63.27	15.27	6.59	0.09	2.85	2.82	2.33	1.95	0.55	0.87	1.61
J-18-08	588282	A18-03395	45.75	46.75	1.00	66.46	14.47	6.61	0.08	2.8	2.3	2.95	2.15	0.55	0.09	1.47
J-18-08	588283	A18-03395	96.47	97.47	1.00	48.94	14.04	13.69	0.21	6.81	9.71	2.53	0.83	1.28	0.15	0.58
J-18-08	588284	A18-03395	97.47	98.47	1.00	49.18	13.91	13.62	0.21	6.97	10.15	2.53	0.59	1.26	0.14	0.42
J-18-08	588285	A18-03395	98.47	99.20	0.73	51.51	14.39	11.32	0.2	6.04	8.14	2.99	1.65	1.01	0.2	1.35
J-18-08	588286	A18-03395	99.20	100.20	1.00	71.78	14.97	1.12	0.02	0.3	0.73	7.76	0.93	0.02	0.34	0.61
J-18-08	588287	A18-03395	100.20	100.90	0.70	66.76	16.64	1.29	0.02	0.41	0.81	3.01	9.14	0.05	0.42	0.71



BHID	Sample	Lab Ref	From_m	To_m	Int_m	SiO2_%	Al2O3_%	Fe2O3(T)_%	MnO_%	MgO_%	CaO_%	Na2O_%	K2O_%	TiO2_%	P2O5_%	LOI_%
J-18-08	588288	A18-03395	100.90	101.70	0.80	59.13	14.7	8.36	0.13	3.99	5.24	5.66	0.24	0.72	0.32	1.42
J-18-08	588289	A18-03395	101.70	102.40	0.70	49.06	14.14	13.33	0.23	6.87	9.74	2.73	0.51	1.24	0.14	1.04
J-18-08	588291	A18-03395	102.40	103.40	1.00	72.1	14.78	1.37	0.03	0.3	1.05	5.5	2.49	0.03	0.56	0.69
J-18-08	588292	A18-03395	103.40	104.40	1.00	74.58	13.41	1.21	0.05	0.2	0.68	3.69	4.14	0.01	0.37	0.75
J-18-08	588293	A18-03395	104.40	105.40	1.00	73.29	14.03	0.94	0.02	0.09	0.51	3.59	5.18	0	0.35	0.62
J-18-08	588294	A18-03395	105.40	106.35	0.95	73.81	14.04	1.2	0.02	0.25	0.5	5.13	2.95	0.04	0.28	0.6
J-18-08	588295	A18-03395	106.35	107.35	1.00	60.57	16.21	8.02	0.11	3.7	1.79	3.14	1.83	0.64	0.15	2.2
J-18-08	588297	A18-03395	107.35	108.35	1.00	61.27	15.44	7.4	0.09	3.8	1.94	3.18	2.28	0.63	0.14	2.06
J-18-09	588298	A18-03203	15.45	16.45	1.00	66.43	14.24	6.31	0.07	3.37	1.38	4.19	1.1	0.5	0.13	2.37
J-18-09	588299	A18-03203	16.45	16.66	0.21	71.91	16.09	1.25	0.04	0.59	0.89	5.97	1.37	0.07	0.44	1.15
J-18-09	588301	A18-03203	16.66	17.66	1.00	61.6	13.76	8.85	0.1	4.24	3.31	3.94	0.99	1.06	0.18	2.56
J-18-09	588302	A18-03203	29.06	30.06	1.00	62.38	15.26	7.11	0.06	3.7	2.15	4.48	0.86	0.55	0.16	3.98
J-18-09	588303	A18-03203	30.06	30.30	0.24	70.54	13.92	3.06	0.03	2.11	1.32	3.23	1.98	0.22	0.19	2.7
J-18-09	588304	A18-03203	30.30	31.30	1.00	63.62	15.64	6.09	0.05	4.04	0.9	5.18	0.9	0.58	0.14	2.8
J-18-09	588305	A18-03203	56.40	57.40	1.00	61.31	14.66	7.51	0.06	3.97	2.4	2.95	1.81	0.57	0.14	4.73
J-18-09	588306	A18-03203	57.40	58.40	1.00	64.52	13.22	5.27	0.04	3.23	3.39	3.23	1.6	0.45	0.21	4.65
J-18-09	588307	A18-03203	58.40	59.40	1.00	75.27	13.15	0.99	0.02	0.44	0.89	5.66	1.64	0.04	0.26	0.99
J-18-09	588308	A18-03203	59.40	60.40	1.00	79.46	10.73	0.89	0.02	0.28	0.55	3.8	1.83	0	0.34	0.75
J-18-09	588309	A18-03203	60.40	61.40	1.00	74.63	14.55	0.6	0.01	0.2	0.33	5.29	3.37	0	0.29	0.55
J-18-09	588311	A18-03203	61.40	62.40	1.00	73.17	16.33	1.01	0.02	0.46	0.34	5.24	2.33	0	0.23	1.29
J-18-09	588312	A18-03203	62.40	63.40	1.00	71.75	15.86	1.1	0.01	0.44	0.36	3.46	5.73	0	0.28	1.16
J-18-09	588313	A18-03203	63.40	64.40	1.00	56.69	14.45	9.13	0.14	5.43	5.41	2.66	2.7	0.83	0.2	2.42
J-18-09	588314	A18-03203	64.40	65.40	1.00	74.36	14.62	0.79	0.02	0.19	0.54	5.13	3.47	0.01	0.37	0.66
J-18-09	588315	A18-03203	65.40	66.40	1.00	75	14.08	0.96	0.02	0.23	0.44	4.51	3.51	0	0.3	0.77
J-18-09	588317	A18-03203	66.40	67.40	1.00	73.72	14.69	0.82	0.01	0.17	0.44	5.16	4.5	0	0.26	0.46
J-18-09	588318	A18-03203	67.40	68.30	0.90	73.55	14.17	1.59	0.02	0.54	0.4	3.48	4.91	0	0.19	0.91
J-18-09	588319	A18-03203	68.30	69.30	1.00	50.74	13.72	13.18	0.19	6.81	9.45	2.36	0.56	1.17	0.13	1.49
J-18-09	588321	A18-03203	69.30	70.30	1.00	51.04	13.46	14.08	0.2	7.07	9.72	2.34	0.59	1.19	0.12	1.05
J-18-09	588322	A18-03203	87.30	88.30	1.00	50.44	13.58	13.35	0.19	7.11	9.66	2.24	0.8	1.14	0.11	1
J-18-09	588323	A18-03203	88.30	89.30	1.00	50.07	13.41	13.45	0.19	6.84	9.6	2.25	0.66	1.16	0.12	0.96
J-18-09	588324	A18-03203	89.30	90.15	0.85	67.64	16.03	2.86	0.03	1.43	1.52	6.19	2.5	0.13	0.18	0.63
J-18-09	588325	A18-03203	90.15	90.90	0.75	51.61	14.03	12.76	0.18	6.41	9.27	2.57	0.83	1.07	0.13	1.01
J-18-09	588326	A18-03203	90.90	92.00	1.10	70.78	15.07	0.81	0.01	0.11	0.7	4.49	6.61	0	0.45	0.41
J-18-09	588327	A18-03203	92.00	93.00	1.00	71.17	16	0.62	0.01	0.03	0.48	6.61	4.12	0	0.3	0.26
J-18-09	588328	A18-03203	93.00	94.00	1.00	74.25	15.08	0.72	0.01	0.04	0.47	7.32	1.98	0	0.27	0.25
J-18-09	588329	A18-03203	94.00	95.00	1.00	75.03	14.93	0.7	0.01	0.05	0.41	7.16	1.6	0	0.25	0.35
J-18-09	588331	A18-03203	95.00	96.00	1.00	74.34	14.96	0.66	0.01	0.07	0.43	6.49	2.74	0	0.29	0.37
J-18-09	588332	A18-03203	96.00	97.00	1.00	76.06	14.53	0.56	0.01	0.04	0.33	6.27	2.09	0	0.22	0.4
J-18-09	588333	A18-03203	97.00	98.00	1.00	71.7	16.01	0.75	0.02	0.09	0.46	7.43	1.77	0.01	0.2	0.36
J-18-09	588334	A18-03203	98.00	98.75	0.75	71.75	16.19	0.61	0.02	0.03	0.45	7.88	0.95	0	0.31	0.45
J-18-09	588335	A18-03203	98.75	99.75	1.00	65.01	13.6	6.33	0.04	3.25	1.31	5.11	0.55	0.56	0.66	2.32

BHID	Sample	Lab Ref	From m	To m	Int m	SiO2 %	Al2O3 %	Fe2O3(T) %	MnO %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	LOI %
J-18-09	588337	A18-03203	99.75	100.75	1.00	63.35	14.46	7.55	0.05	4.05	1.13	3.76	1.21	0.6	0.26	2.54
J-18-09	588338	A18-03203	112.75	113.75	1.00	63.4	14.9	7.87	0.09	3.42	1.62	3.59	1.36	0.66	0.11	2.16
J-18-09	588339	A18-03203	113.75	114.75	1.00	64.35	14.09	6.94	0.09	2.91	1.76	3.9	1.43	0.58	0.12	2.44
J-18-09	588341	A18-03203	114.75	115.75	1.00	68.83	15.31	3.83	0.08	1.47	1.5	5.42	0.93	0.27	0.58	1.47
J-18-09	588342	A18-03203	115.75	116.60	0.85	70.71	16.53	1.33	0.02	0.42	0.94	7.43	1.1	0.08	0.3	0.98
J-18-09	588343	A18-03203	116.60	117.60	1.00	64.86	14.59	7.11	0.08	3.2	1.15	3.98	1.17	0.58	0.2	2.43
J-18-09	588344	A18-03203	117.60	118.25	0.65	64.58	14.8	7	0.09	3.04	1.51	4.1	1.16	0.6	0.29	2.35
J-18-09	588345	A18-03203	118.25	119.20	0.95	70.47	16.33	0.77	0.02	0.21	1.39	7.82	0.88	0.03	0.36	1.07
J-18-09	588346	A18-03203	119.20	120.20	1.00	63.85	14.48	7.14	0.08	2.99	1.81	4	1.48	0.59	0.08	2.13
J-18-09	588347	A18-03203	120.20	121.20	1.00	65.61	14.09	6.35	0.08	2.7	1.91	3.78	1.66	0.56	0.09	1.82
J-18-10	588348	A18-03203	72.10	73.10	1.00	61.22	12.87	7.82	0.11	5.99	3.96	2.63	1.72	0.59	0.14	2.28
J-18-10	588349	A18-03203	73.10	74.10	1.00	62.77	15.49	7.65	0.12	3.66	1.48	2.79	2.63	0.64	0.12	2.46
J-18-10	588351	A18-03203	74.10	75.10	1.00	71.13	16.93	1.16	0.09	0.1	0.27	4.25	2.23	0.01	0.24	0.71
J-18-10	588352	A18-03203	75.10	76.10	1.00	71.69	16.02	1.19	0.16	0.09	0.19	3.67	3.47	0	0.45	0.59
J-18-10	588353	A18-03203	76.10	77.10	1.00	68.67	17.81	0.92	0.07	0.07	0.15	2.82	7.27	0	0.31	0.29
J-18-10	588354	A18-03203	77.10	78.10	1.00	66.6	17.71	0.86	0.09	0.06	0.21	3.02	9.33	0	0.49	0.48
J-18-10	588355	A18-03203	78.10	79.10	1.00	65.89	18.09	0.67	0.12	0.04	0.3	3.05	11.05	0	0.69	0.15
J-18-10	588357	A18-03203	79.10	80.10	1.00	72.1	14.26	1.99	0.51	0.08	0.73	2.56	2.91	0.01	1.67	1.07
J-18-10	588358	A18-03203	80.10	81.10	1.00	72.48	15.87	1.49	0.17	0.12	0.37	4	2.47	0.01	0.59	0.64
J-18-10	588359	A18-03203	81.10	82.10	1.00	70.62	16.14	1.11	0.12	0.06	0.45	4.43	3.97	0	0.6	0.64
J-18-10	588361	A18-03203	82.10	83.10	1.00	72.58	14.8	0.73	0.05	0.05	0.37	4.91	4.5	0	0.38	0.29
J-18-10	588362	A18-03203	83.10	84.10	1.00	72	16.44	1.17	0.08	0.12	0.3	4.35	2.79	0	0.26	0.59
J-18-10	588363	A18-03203	84.10	85.10	1.00	74.05	14.91	0.99	0.08	0.14	0.32	4.71	1.93	0	0.3	0.46
J-18-10	588364	A18-03203	85.10	86.10	1.00	74.19	15.62	1.17	0.1	0.13	0.22	5.07	1.04	0	0.27	0.41
J-18-10	588365	A18-03203	86.10	87.60	1.50	71.89	16.57	0.64	0.03	0.07	0.29	6.33	2.61	0	0.2	0.57
J-18-10	588366	A18-03203	87.60	88.60	1.00	66.17	15.05	5.98	0.1	2.64	1.8	3.06	2.38	0.53	0.21	1.41
J-18-10	588367	A18-03203	88.60	89.60	1.00	65.34	15.13	6.87	0.08	2.86	2.26	2.8	2.41	0.59	0.09	1.63
J-18-11	588368	A18-03203	6.00	7.00	1.00	73.07	16.29	0.65	0.08	0.08	0.31	7.33	0.65	0.01	0.37	0.32
J-18-11	588369	A18-03203	7.00	8.00	1.00	74.85	16.37	0.8	0.03	0.16	0.24	5.61	1.28	0	0.16	0.66
J-18-11	588371	A18-03203	8.00	9.20	1.20	72.11	17.25	0.5	0.03	0.05	0.33	7.1	1.24	0	0.29	0.72
J-18-11	588372	A18-03203	9.20	10.20	1.00	65.75	15.07	6.16	0.07	2.88	2.08	3.05	1.98	0.6	0.15	1.9
J-18-11	588373	A18-03203	10.20	11.20	1.00	64.79	15.55	6.22	0.07	2.87	2.35	3.19	1.91	0.61	0.12	1.23
J-18-11	588374	A18-03203	11.20	12.20	1.00	65.86	14.61	6.09	0.08	2.83	2.41	3.22	1.97	0.59	0.11	1.2
J-18-11	588375	A18-03203	12.20	13.10	0.90	66.47	13.84	6.03	0.09	2.7	2.4	2.72	1.77	0.56	0.51	1.85
J-18-11	588377	A18-03203	13.10	14.10	1.00	69.28	17.72	0.77	0.02	0.14	0.89	5.63	2.25	0.03	0.22	1.59
J-18-11	588378	A18-03203	14.10	15.10	1.00	66.27	14.06	6.19	0.08	2.72	2.4	3	2.04	0.59	0.32	1.3
J-18-11	588379	A18-03203	15.10	16.10	1.00	63.77	14.46	8.33	0.08	3.08	2.29	3.07	2.25	0.6	0.13	1.62
J-18-11	588381	A18-03203	77.35	78.35	1.00	62.16	15.75	7	0.09	3.26	1.84	3.25	2.53	0.59	0.14	1.42
J-18-11	588382	A18-03203	78.35	79.35	1.00	64.58	15.33	6.47	0.09	3.25	1.77	3.23	2.47	0.55	0.15	2.09
J-18-11	588383	A18-03203	79.35	80.35	1.00	71.67	16.1	0.61	0.06	0.06	0.22	5.73	3.52	0.01	0.25	0.71
J-18-11	588384	A18-03203	80.35	81.35	1.00	73.35	15.74	0.91	0.08	0.14	0.22	3.62	3.08	0.01	0.25	0.52

BHID	Sample	Lab Ref	From_m	To_m	Int_m	SiO2 %	Al2O3 %	Fe2O3(T) %	MnO %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	LOI %
J-18-11	588385	A18-03203	81.35	82.35	1.00	73.72	15.49	0.99	0.08	0.09	0.25	4.07	2.52	0	0.25	0.39
J-18-11	588386	A18-03203	82.35	83.35	1.00	72.64	15.54	0.79	0.04	0.17	0.31	3.91	3.94	0	0.2	0.68
J-18-11	588387	A18-03203	83.35	84.35	1.00	72.39	17.03	0.84	0.07	0.17	0.23	5.4	2.09	0	0.19	0.73
J-18-11	588388	A18-03203	84.35	85.35	1.00	73.67	15.36	1.13	0.08	0.17	0.29	3.42	3.21	0	0.28	0.49
J-18-11	588389	A18-03203	85.35	86.35	1.00	73.51	15.29	0.8	0.05	0.14	0.24	3.55	3.88	0	0.22	0.51
J-18-11	588391	A18-03203	86.35	87.35	1.00	73.4	15.35	1.1	0.14	0.06	0.24	3.08	4.35	0	0.49	0.33
J-18-11	588392	A18-03203	87.35	88.35	1.00	76.29	14.81	0.71	0.08	0.1	0.22	3.87	2.87	0	0.3	0.43
J-18-11	588393	A18-03203	88.35	89.60	1.25	73.69	15.95	0.9	0.08	0.12	0.27	4.49	2.52	0.01	0.27	0.47
J-18-11	588394	A18-03203	89.60	90.20	0.60	62.62	15.71	6.82	0.17	2.72	2	3.75	1.96	0.59	0.43	2.07
J-18-11	588395	A18-03203	90.20	91.00	0.80	74.75	14.71	0.84	0.07	0.12	0.33	4.58	1.94	0.01	0.27	0.57
J-18-11	588397	A18-03203	91.00	92.00	1.00	68.44	15.17	3.04	0.15	1.11	1.8	2.62	3.05	0.24	1.15	2.16
J-18-11	588398	A18-03203	92.00	93.00	1.00	62.72	16.02	7.42	0.11	3.01	2.07	2.78	2.98	0.62	0.32	1.87
J-18-11	588399	A18-03203	93.00	94.00	1.00	59.03	16.3	8.38	0.09	3.54	2.55	2.95	2.95	0.7	0.18	1.73
J-18-11	588401	A18-03203	111.18	111.56	0.38	68.04	15.24	3.69	0.22	1.58	1.25	4.91	1.81	0.29	0.3	1.13
J-18-12	588402	A18-03395	7.70	8.03	0.33	71.57	15.44	1.37	0.03	0.64	0.87	6.3	1.17	0.11	0.31	0.84
J-18-12	588403	A18-03395	60.20	60.40	0.20	72.17	14.49	1.91	0.11	0.83	1.26	4.9	1.6	0.15	0.3	1.01
J-18-12	588404	A18-03395	70.20	71.20	1.00	65.2	14.59	6.96	0.13	3.3	2.29	3.21	1.73	0.55	0.14	2.43
J-18-12	588405	A18-03395	71.20	72.20	1.00	63.74	15.02	6.11	0.2	3.2	2.12	3.35	1.71	0.54	0.16	2.83
J-18-12	588406	A18-03395	72.20	73.00	0.80	71.15	16.09	0.32	0.01	0.04	0.35	5.32	5.5	0.01	0.34	0.41
J-18-12	588407	A18-03395	73.00	74.00	1.00	75.48	14.74	0.59	0.1	0.09	0.18	4.11	2.14	0.01	0.32	0.7
J-18-12	588408	A18-03395	74.00	75.00	1.00	75.24	15.57	0.56	0.06	0.17	0.27	3.59	3.27	0	0.22	0.6
J-18-12	588409	A18-03395	75.00	76.00	1.00	75.15	15.88	0.54	0.06	0.14	0.25	3.94	2.16	0	0.21	0.59
J-18-12	588411	A18-03395	76.00	77.00	1.00	75.85	15.21	0.6	0.06	0.11	0.3	3.26	1.52	0	0.19	0.6
J-18-12	588412	A18-03395	77.00	78.00	1.00	72.88	17	0.63	0.06	0.16	0.36	3.34	1.35	0	0.21	0.76
J-18-12	588413	A18-03395	78.00	79.00	1.00	72.63	16.21	0.7	0.13	0.13	0.48	4.99	2.82	0	0.55	0.86
J-18-12	588414	A18-03395	79.00	80.00	1.00	74.19	15.05	0.58	0.08	0.08	0.47	3.87	3.82	0	0.44	0.81
J-18-12	588415	A18-03395	80.00	81.00	1.00	74.5	16.04	0.79	0.06	0.18	0.31	2.81	1.41	0	0.14	0.81
J-18-12	588417	A18-03395	81.00	82.00	1.00	73.49	15.94	0.58	0.03	0.16	0.32	5.01	2.76	0	0.26	0.86
J-18-12	588418	A18-03395	82.00	83.00	1.00	74.99	13.72	0.69	0.06	0.26	1.68	2.8	2.82	0.04	1.35	1.43
J-18-12	588419	A18-03395	83.00	84.00	1.00	72.7	15.64	0.34	0.01	0.05	0.55	6.64	2.24	0	0.18	0.91
J-18-12	588421	A18-03395	84.00	85.00	1.00	71.93	16.04	0.66	0.02	0.37	0.45	5.46	3.55	0	0.23	1.11
J-18-12	588422	A18-03395	85.00	86.00	1.00	73.04	15.94	0.75	0.05	0.4	0.35	3.67	3.58	0	0.23	1.4
J-18-12	588423	A18-03395	86.00	87.00	1.00	73.43	16.14	0.54	0.04	0.24	0.26	3.77	4.28	0	0.25	0.88
J-18-12	588424	A18-03395	87.00	88.00	1.00	71.48	16.01	0.91	0.03	0.65	1	4.22	4.07	0	0.26	2.01
J-18-12	588425	A18-03395	88.00	89.00	1.00	72.1	16.03	0.64	0.02	0.39	0.65	5.55	1.81	0	0.28	1.43
J-18-12	588426	A18-03395	89.00	90.00	1.00	71.95	14.78	0.82	0.03	0.6	0.69	3.96	3.92	0	0.28	1.69
J-18-12	588427	A18-03395	90.00	91.00	1.00	71.31	16.02	0.66	0.02	0.41	0.52	3.53	5.12	0	0.26	1.36
J-18-12	588428	A18-03395	91.00	92.00	1.00	75.17	14.35	0.44	0.04	0.13	0.26	4.76	2.89	0	0.26	0.63
J-18-12	588429	A18-03395	92.00	93.00	1.00	72.77	15.6	0.55	0.05	0.25	0.39	5.81	2.17	0	0.28	0.96
J-18-12	588431	A18-03395	93.00	94.00	1.00	72.78	16.19	0.88	0.06	0.52	0.43	3.47	3.43	0.01	0.2	1.77
J-18-12	588432	A18-03395	94.00	95.00	1.00	72.38	15.99	0.71	0.03	0.26	0.47	4.88	3.38	0	0.2	1.24

BHID	Sample	Lab Ref	From_m	To_m	Int_m	SiO2_%	Al2O3_%	Fe2O3(T)_%	MnO_%	MgO_%	CaO_%	Na2O_%	K2O_%	TiO2_%	P2O5_%	LOI_%
J-18-12	588433	A18-03395	95.00	96.50	1.50	71.28	16.66	0.52	0.02	0.14	0.85	7.44	1.53	0.01	0.35	1.09
J-18-12	588434	A18-03395	96.50	97.50	1.00	62.24	14.49	6.77	0.19	3.52	2.54	3.25	1.3	0.53	0.56	4.17
J-18-12	588435	A18-03395	97.50	98.50	1.00	66.22	13.35	6.36	0.12	2.82	1.76	2.79	2.07	0.56	0.1	2.22
J-18-13	588437	A18-03395	63.40	64.40	1.00	63.63	15.05	7.48	0.11	3.1	1.48	2.76	2.22	0.54	0.09	2.38
J-18-13	588438	A18-03395	64.40	65.40	1.00	60.86	15.53	8.84	0.17	3.41	1.47	2.46	2.75	0.57	0.15	2.63
J-18-13	588439	A18-03395	65.40	66.00	0.60	74.55	15.43	0.41	0.02	0.04	0.33	5.3	2.26	0.01	0.24	0.79
J-18-13	588441	A18-03395	66.00	67.00	1.00	72.18	17.21	0.48	0.04	0.1	0.24	3.97	4.3	0	0.23	0.55
J-18-13	588442	A18-03395	67.00	68.00	1.00	74.35	16.65	0.6	0.09	0.07	0.24	3.54	2.83	0	0.29	0.58
J-18-13	588443	A18-03395	68.00	69.00	1.00	76.26	13.55	0.68	0.14	0.07	0.39	4.76	2.21	0	0.6	0.66
J-18-13	588444	A18-03395	69.00	70.00	1.00	71.05	17.33	0.93	0.24	0.09	0.44	3.63	3.39	0	0.86	0.98
J-18-13	588445	A18-03395	70.00	71.00	1.00	71.6	16.32	0.48	0.08	0.05	0.49	6.32	2.45	0	0.5	0.83
J-18-13	588446	A18-03395	71.00	72.00	1.00	76.65	13.46	0.62	0.11	0.08	0.37	4.98	2.4	0	0.52	0.71
J-18-13	588447	A18-03395	72.00	73.00	1.00	76.63	14.8	0.72	0.11	0.09	0.31	4.1	1.54	0	0.41	0.76
J-18-13	588448	A18-03395	73.00	74.00	1.00	72.76	16.07	0.61	0.05	0.19	0.45	3.94	4.36	0	0.27	0.86
J-18-13	588449	A18-03395	74.00	75.00	1.00	72.61	16.26	0.55	0.07	0.1	0.31	4	3.84	0	0.28	0.52
J-18-13	588451	A18-03395	75.00	76.00	1.00	73.55	15.3	0.47	0.05	0.08	0.22	3.88	4.02	0	0.25	0.54
J-18-13	588452	A18-03395	76.00	77.00	1.00	72.16	16.64	0.5	0.05	0.06	0.28	4.08	5.08	0	0.27	0.64
J-18-13	588453	A18-03395	77.00	78.03	1.03	73.08	16.22	0.36	0.03	0.03	0.31	6.7	1.4	0	0.22	0.68
J-18-13	588454	A18-03395	78.03	79.03	1.00	59.02	15.19	10.52	0.19	3.65	1.49	2.1	2.97	0.61	0.13	2.58
J-18-13	588455	A18-03395	79.03	80.03	1.00	58.6	16.2	9.88	0.12	3.82	1.71	2.28	3.39	0.64	0.13	2.25
J-18-13	588457	A18-03395	230.65	231.65	1.00	53.87	15.72	8.8	0.11	4.88	6.76	3.61	2.03	1.61	0.26	1.21
J-18-13	588458	A18-03395	231.65	232.65	1.00	51.74	15.53	9.92	0.13	5.42	7.27	3.15	2.1	1.87	0.29	1.43
J-18-13	588459	A18-03395	232.65	233.65	1.00	70.69	19.2	0.78	0.05	0.09	0.39	3.94	1.16	0.03	0.26	0.53
J-18-13	588461	A18-03395	233.65	235.00	1.35	62.27	15.8	5.33	0.09	2.57	3.59	4.32	2.12	0.94	0.64	1.37
J-18-13	588462	A18-03395	235.00	236.00	1.00	69.82	21.56	0.54	0.06	0.03	0.13	1.97	0.22	0.01	0.1	0.27
J-18-13	588463	A18-03395	236.00	237.00	1.00	69.71	21.23	0.53	0.06	0.03	0.11	1.51	0.68	0	0.05	0.52
J-18-13	588464	A18-03395	237.00	237.65	0.65	73.19	17.14	0.68	0.06	0.03	0.54	3.6	0.43	0.01	0.34	0.46
J-18-13	588465	A18-03395	237.65	238.65	1.00	53.89	15.57	9.83	0.12	5.35	6.88	3.05	2.08	1.74	0.34	1.42
J-18-13	588466	A18-03395	238.65	239.65	1.00	51.43	15.94	10.6	0.12	5.77	7.74	3.4	1.69	1.85	0.24	1.17
J-18-14	588468	A18-03395	8.75	9.75	1.00	66.6	14.28	5.99	0.07	2.6	2.08	3.05	2.35	0.59	0.12	1.81
J-18-14	588469	A18-03395	9.75	10.75	1.00	73.58	15.8	0.61	0.02	0.17	0.33	5.65	1.83	0.03	0.14	1.02
J-18-14	588471	A18-03395	10.75	11.90	1.15	73.93	15.55	0.32	0.01	0.06	0.45	6.83	1.23	0.01	0.26	0.75
J-18-14	588472	A18-03395	11.90	12.90	1.00	65.64	14.71	6.19	0.07	2.86	1.92	3.39	1.92	0.58	0.16	2.32
J-18-14	588473	A18-03395	12.90	13.90	1.00	63.28	13.79	6.04	0.08	3.88	3.67	2.51	2.32	0.61	0.21	2.35
J-18-14	588474	A18-03395	82.70	83.70	1.00	62.27	15.07	7.53	0.09	3.4	1.82	3.18	2.58	0.58	0.2	1.9
J-18-14	588475	A18-03395	83.70	84.70	1.00	64	14.69	6.3	0.1	3.05	2.32	2.99	2.71	0.55	0.4	1.99
J-18-14	588477	A18-03395	84.70	85.70	1.00	73.41	14.98	0.83	0.18	0.19	0.35	4.19	3.33	0.03	0.25	0.77
J-18-14	588478	A18-03395	85.70	86.70	1.00	77.89	13.61	0.52	0.09	0.12	0.23	3.12	2.67	0.01	0.24	0.7
J-18-14	588479	A18-03395	86.70	87.70	1.00	75.73	14.52	0.51	0.05	0.12	0.37	3.89	2.69	0	0.19	0.53
J-18-14	588481	A18-03395	87.70	88.70	1.00	74.81	15.56	0.55	0.07	0.25	0.29	4.48	2.12	0	0.25	0.89
J-18-14	588482	A18-03395	88.70	89.70	1.00	74.98	14.86	0.55	0.11	0.06	0.19	3.24	4.82	0	0.39	0.43

BHID	Sample	Lab Ref	From_m	To_m	Int_m	SiO2_%	Al2O3_%	Fe2O3(T)_%	MnO_%	MgO_%	CaO_%	Na2O_%	K2O_%	TiO2_%	P2O5_%	LOI_%
J-18-14	588483	A18-03395	89.70	90.60	0.90	75.02	14.97	0.64	0.08	0.13	0.36	5.07	1.52	0.01	0.31	0.79
J-18-14	588484	A18-03395	90.60	91.60	1.00	64.9	15.05	6.43	0.09	2.77	2.44	3.27	2.45	0.59	0.16	1.4
J-18-14	588485	A18-03395	91.60	92.60	1.00	64.29	14.74	6.77	0.09	2.71	2.53	3.01	2.55	0.6	0.14	1.3
J-18-14	588486	A18-03395	102.40	102.85	0.45	75.33	14.14	0.41	0.02	0.06	0.78	6.03	1.46	0.01	0.27	1.02
J-18-14	588487	A18-03395	104.10	105.10	1.00	58.82	16.13	8.82	0.12	3.41	1.8	3.08	3.14	0.64	0.16	2.19
J-18-14	588488	A18-03395	105.10	106.45	1.35	74.12	14.75	0.54	0.03	0.07	0.55	5.58	2	0.02	0.38	0.99
J-18-14	588489	A18-03395	106.45	107.45	1.00	66.42	14.16	5.55	0.08	2.89	2.23	2.92	2.23	0.53	0.49	1.65
J-18-15	588491	A18-06153	22.35	23.35	1.00	47.79	14.73	11.39	0.21	5.78	8.22	2.69	1.55	0.91	1.59	3.27
J-18-15	588492	A18-06153	23.35	23.75	0.40	65.48	16.39	2.18	0.14	0.84	1.73	3.76	4.8	0.12	1.66	1.42
J-18-15	588493	A18-06153	23.75	24.75	1.00	55.35	15.43	8.26	0.14	4.78	4.67	3.05	2.82	0.72	0.97	2.57
J-18-15	588494	A18-06153	26.67	27.67	1.00	60.21	15.99	8.08	0.11	3.56	2	2.92	2.84	0.65	0.14	1.98
J-18-15	588495	A18-06153	27.67	28.67	1.00	61.72	15.39	7.32	0.1	3.28	1.93	3.11	2.8	0.6	0.22	2.09
J-18-15	588497	A18-06153	28.67	30.00	1.33	71.97	16.18	0.93	0.03	0.33	0.71	5.89	3.42	0.06	0.24	1.14
J-18-15	588498	A18-06153	30.00	31.00	1.00	75.51	15.11	0.42	0.02	0.07	0.27	6.11	2.4	0.01	0.26	0.72
J-18-15	588499	A18-06153	31.00	32.00	1.00	70.71	17.97	0.56	0.04	0.11	0.21	5.65	4.18	0.01	0.24	1.12
J-18-15	788001	A18-06153	32.00	33.11	1.11	73.32	13.5	1.01	0.17	0.24	0.67	4.46	2.94	0	0.77	0.96
J-18-15	788002	A18-06153	33.11	34.11	1.00	49.54	13.51	13.46	0.22	6.68	9.47	2.26	0.57	1.21	0.12	2.39
J-18-15	788003	A18-06153	34.11	35.11	1.00	47.68	14.45	13.91	0.19	7.01	8.54	2.43	0.79	1.14	0.11	2.64
J-18-15	788004	A18-06153	43.46	44.46	1.00	49.16	13.83	14.23	0.21	6.57	10.25	2.08	0.46	1.18	0.12	0.63
J-18-15	788005	A18-06153	44.46	45.46	1.00	48.82	13.76	14.12	0.21	6.9	10.35	2.05	0.41	1.16	0.11	0.81
J-18-15	788006	A18-06153	45.46	46.00	0.54	73.75	15.67	1.07	0.04	0.47	0.46	4.94	1.92	0.01	0.22	1.26
J-18-15	788007	A18-06153	46.00	47.00	1.00	73.97	15.44	0.74	0.06	0.14	0.29	5.07	1.62	0.01	0.29	0.83
J-18-15	788008	A18-06153	47.00	48.00	1.00	72.14	17.14	0.77	0.07	0.1	0.29	5.15	1.57	0.01	0.32	0.78
J-18-15	788009	A18-06153	48.00	49.00	1.00	73.39	16.63	0.84	0.06	0.13	0.28	4.45	1.83	0	0.26	0.78
J-18-15	788011	A18-06153	49.00	50.00	1.00	72.11	16.77	1.12	0.12	0.24	0.45	4.04	2.13	0	0.43	1.19
J-18-15	788012	A18-06153	50.00	51.00	1.00	72.03	16.34	0.6	0.07	0.06	0.24	6.2	2.35	0	0.31	0.73
J-18-15	788013	A18-06153	51.00	52.00	1.00	69.72	15.86	1.83	0.08	0.71	1.22	6.06	1.73	0.11	0.26	0.86
J-18-15	788014	A18-06153	52.00	53.00	1.00	73.47	16.08	0.7	0.07	0.09	0.22	4.78	2.37	0	0.31	0.57
J-18-15	788015	A18-06153	53.00	54.00	1.00	73.59	15.77	0.88	0.08	0.09	0.23	4.58	1.27	0	0.29	0.68
J-18-15	788017	A18-06153	54.00	55.18	1.18	72.38	15.77	1.06	0.06	0.33	0.56	5.96	1.25	0.05	0.26	0.96
J-18-15	788018	A18-06153	55.18	56.18	1.00	64.76	15.58	5.06	0.11	2.21	2.49	4.45	1.92	0.41	0.97	1.53
J-18-15	788019	A18-06153	56.18	57.18	1.00	60.74	15.15	8.2	0.12	3.44	2.47	3.12	2.68	0.63	0.17	1.91
J-18-15	788021	A18-06153	57.75	58.75	1.00	58.07	14.54	9.72	0.14	4.47	5.07	2.52	1.79	0.82	0.14	1.58
J-18-15	788022	A18-06153	58.75	59.75	1.00	64.03	14.28	7.09	0.09	3.01	2.31	2.79	2.48	0.55	0.18	1.68
J-18-15	788023	A18-06153	59.75	61.00	1.25	73.59	16.5	0.61	0.05	0.05	0.25	6.08	1.91	0.01	0.23	0.88
J-18-15	788024	A18-06153	61.00	62.00	1.00	75.5	14.02	0.81	0.07	0.05	0.17	3.97	1.67	0.01	0.2	0.68
J-18-15	788025	A18-06153	62.00	63.00	1.00	72.98	16.06	0.87	0.07	0.05	0.25	4.06	1.78	0	0.2	0.69
J-18-15	788026	A18-06153	63.00	64.00	1.00	74.48	15.72	0.69	0.09	0.04	0.28	5.4	1.91	0	0.37	0.51
J-18-15	788027	A18-06153	64.00	65.33	1.33	73.34	16.86	0.83	0.1	0.05	0.23	4.93	1.07	0	0.26	0.66
J-18-15	788028	A18-06153	65.33	66.33	1.00	59.02	16.49	7.68	0.11	2.52	4.98	3.13	2.18	1.12	0.41	1.04
J-18-15	788029	A18-06153	66.33	67.33	1.00	63.84	15.92	6.06	0.07	1.92	4.07	3.77	1.81	0.74	0.44	1.18

BHID	Sample	Lab Ref	From_m	To_m	Int_m	SiO2_%	Al2O3_%	Fe2O3(T)_%	MnO_%	MgO_%	CaO_%	Na2O_%	K2O_%	TiO2_%	P2O5_%	LOI_%
J-18-15	788031	A18-06153	89.26	90.26	1.00	53.27	14.23	9.82	0.12	5.88	6.74	2.74	2.04	1.8	0.22	1.32
J-18-15	788032	A18-06153	90.26	91.26	1.00	50.48	17.17	9.72	0.12	5.56	6.3	3.18	2.54	1.79	0.35	1.57
J-18-15	788033	A18-06153	91.26	92.25	0.99	79.6	11.2	0.81	0.08	0.04	0.34	1.83	3.56	0.01	0.43	0.81
J-18-15	788034	A18-06153	92.25	93.25	1.00	69.96	15.56	0.37	0.03	0.05	0.21	2.29	9.25	0	0.42	0.54
J-18-15	788035	A18-06153	93.25	94.25	1.00	75.88	13.81	0.4	0.01	0.03	0.13	2.89	6.4	0	0.23	0.48
J-18-15	788037	A18-06153	94.25	95.25	1.00	70.63	15.58	0.44	0.06	0.04	0.22	4.52	6.11	0	0.4	0.41
J-18-15	788038	A18-06153	95.25	96.25	1.00	71.36	16.09	0.79	0.04	0.07	0.39	2.28	6.08	0.02	0.41	1.21
J-18-15	788039	A18-06153	96.25	97.25	1.00	72.79	14.48	0.43	0.01	0.02	0.2	3.56	6.7	0	0.26	0.34
J-18-15	788041	A18-06153	97.25	98.25	1.00	70	17.09	0.4	0.03	0.03	0.26	3.72	8.34	0	0.38	0.48
J-18-15	788042	A18-06153	98.25	99.25	1.00	73.49	15.17	1.34	0.05	0.35	0.8	3.8	2.35	0.08	0.45	1.48
J-18-15	788043	A18-06153	99.25	100.25	1.00	72.09	16.48	0.85	0.02	0.16	1.03	4.55	2.57	0.03	0.28	1.51
J-18-15	788044	A18-06153	100.25	101.25	1.00	63.79	14.42	7.33	0.13	3.17	3.07	2.32	2.57	0.59	0.25	1.38
J-18-15	788045	A18-06153	101.25	102.25	1.00	65.06	14.29	7.43	0.13	3.02	3.13	2.14	2.53	0.58	0.16	1.16
J-18-16	788046	A18-06701	64.90	65.90	1.00	58.38	15.18	9.36	0.14	4.63	4.69	2.93	1.86	0.81	0.14	2.17
J-18-16	788047	A18-06701	65.90	66.90	1.00	57.08	14.25	10.13	0.15	5.21	5.76	2.59	1.43	0.87	0.13	2.67
J-18-16	788048	A18-06701	66.90	67.90	1.00	75.05	14.26	1.15	0.07	0.13	0.31	5.87	1.26	0.02	0.18	0.76
J-18-16	788049	A18-06701	67.90	68.90	1.00	73.76	15.13	0.79	0.02	0.07	0.25	6.88	1.11	0.01	0.16	0.72
J-18-16	788051	A18-06701	68.90	69.90	1.00	75.51	13.89	1.1	0.18	0.07	0.25	6.73	0.89	0	0.14	0.49
J-18-16	788052	A18-06701	69.90	70.50	0.60	75.7	13.95	1.23	0.08	0.15	0.6	6.44	0.88	0.03	0.29	0.83
J-18-16	788053	A18-06701	70.50	71.50	1.00	64.47	16.32	4.99	0.07	2.53	3.77	3.69	2.1	0.67	0.25	0.81
J-18-16	788054	A18-06701	71.50	72.50	1.00	62.05	16.02	5.7	0.08	3.51	4.84	3.42	1.96	0.69	0.25	1.08
J-18-17	788055	A18-06701	13.05	14.05	1.00	56.19	14.7	10.32	0.17	4.59	6.46	2.61	1.4	0.9	0.13	2.04
J-18-17	788057	A18-06701	14.05	15.05	1.00	65.12	13.79	6.43	0.09	2.91	2.28	2.62	2.42	0.51	0.4	1.92
J-18-17	788058	A18-06701	15.05	16.05	1.00	72.74	14.11	1.93	0.04	0.63	0.86	5.3	2.43	0.1	0.23	1.35
J-18-17	788059	A18-06701	16.05	17.05	1.00	67.34	15.56	2.23	0.04	1	1.8	5.44	3.45	0.17	0.22	1.58
J-18-17	788061	A18-06701	17.05	18.05	1.00	50.81	14.3	13.1	0.21	6.59	10.14	2.31	0.47	1.18	0.13	1.52
J-18-17	788062	A18-06701	18.05	19.05	1.00	49.91	13.98	14.27	0.21	6.68	10.25	2.19	0.49	1.25	0.13	1.23
J-18-17	788063	A18-06701	71.60	72.60	1.00	59.86	16.65	7.61	0.1	3.57	2.88	3.52	2.95	0.71	0.21	1.34
J-18-17	788064	A18-06701	72.60	73.60	1.00	64.71	13.93	7.19	0.11	3.51	2.48	2.62	2.83	0.59	0.2	2
J-18-17	788065	A18-06701	73.60	74.60	1.00	70.96	15.74	0.69	0.02	0.04	0.21	5.24	4.85	0.01	0.23	0.65
J-18-17	788066	A18-06701	74.60	75.60	1.00	72.78	15.66	0.63	0.01	0.04	0.4	8.03	0.5	0.01	0.17	0.69
J-18-17	788067	A18-06701	75.60	76.45	0.85	72.88	15.19	0.62	0.02	0.04	0.41	6.55	2.01	0.01	0.19	0.91
J-18-17	788068	A18-06701	76.45	77.45	1.00	64.96	14.63	6.75	0.12	3.07	2.67	3.37	2.35	0.55	0.23	1.84
J-18-17	788069	A18-06701	77.45	78.45	1.00	62.65	15.39	7.47	0.11	3.54	2.91	3.07	2.69	0.66	0.18	1.48
J-18-17	788071	A18-06701	158.28	159.28	1.00	61.91	16.12	5.61	0.08	4.03	4.15	4.47	2.24	0.6	0.31	1.09
J-18-17	788072	A18-06701	159.28	159.38	0.10	53.24	16.53	4.32	0.07	2.42	7.53	4.22	5.26	0.49	4.49	1.2
J-18-17	788073	A18-06701	159.38	160.38	1.00	62	16.53	5.18	0.07	2.97	4.36	4.78	2.01	0.6	0.29	0.9

BHID	Sample	Lab Ref	From_m	To_m	Int_m	Total %	Sc ppm	Be ppm	V ppm	Cr ppm	Co ppm	Ni ppm	Cu ppm	Zn ppm	Ga ppm	Ge ppm
J-17-01	588001	A17-14654	29.45	30.45	1.00	98.73	23	3	156	190	29	90	20	70	21	2
J-17-01	588002	A17-14654	30.45	31.45	1.00	99.97	24	6	161	190	30	90	40	80	22	3
J-17-01	588003	A17-14654	31.45	33.00	1.55	99.44	< 1	152	< 5	< 20	< 1	< 20	< 10	< 30	30	4
J-17-01	588004	A17-14654	33.00	34.00	1.00	100.1	< 1	145	6	20	< 1	< 20	< 10	50	30	4
J-17-01	588005	A17-14654	34.00	35.00	1.00	99.27	< 1	116	< 5	< 20	< 1	< 20	< 10	< 30	21	4
J-17-01	588006	A17-14654	35.00	36.00	1.00	99.28	< 1	126	< 5	20	< 1	< 20	20	70	25	4
J-17-01	588007	A17-14654	36.00	37.00	1.00	99.74	< 1	136	14	30	< 1	< 20	< 10	< 30	30	4
J-17-01	588008	A17-14654	37.00	38.00	1.00	98.93	< 1	116	< 5	< 20	< 1	< 20	< 10	< 30	29	4
J-17-01	588009	A17-14654	38.00	39.00	1.00	98.56	< 1	126	< 5	20	< 1	< 20	< 10	< 30	25	3
J-17-01	588011	A17-14654	39.00	40.00	1.00	99.34	< 1	91	< 5	30	< 1	< 20	< 10	< 30	31	4
J-17-01	588012	A17-14654	40.00	41.00	1.00	98.63	< 1	153	< 5	30	< 1	< 20	< 10	< 30	26	3
J-17-01	588013	A17-14654	41.00	42.00	1.00	99.9	< 1	217	< 5	20	< 1	< 20	< 10	< 30	30	4
J-17-01	588014	A17-14654	42.00	43.00	1.00	98.79	< 1	59	< 5	20	< 1	< 20	< 10	< 30	28	4
J-17-01	588015	A17-14654	43.00	44.00	1.00	99.4	< 1	50	< 5	< 20	< 1	< 20	< 10	< 30	24	4
J-17-01	588017	A17-14654	44.00	45.00	1.00	100.4	< 1	250	< 5	30	< 1	< 20	< 10	< 30	25	4
J-17-01	588018	A17-14654	45.00	46.00	1.00	100.4	< 1	116	7	30	< 1	< 20	< 10	< 30	29	4
J-17-01	588019	A17-14654	46.00	47.00	1.00	98.63	17	19	110	150	19	60	20	50	23	2
J-17-01	588021	A17-14654	47.00	48.00	1.00	99.79	19	2	134	170	24	70	40	60	19	2
J-17-01	588022	A17-14654	70.45	71.45	1.00	100.4	19	3	147	180	26	80	90	90	19	2
J-17-01	588023	A17-14654	71.45	72.45	1.00	100.2	15	9	116	180	20	70	50	50	25	2
J-17-01	588024	A17-14654	72.45	74.00	1.55	98.59	< 1	188	< 5	< 20	1	< 20	< 10	< 30	22	3
J-17-01	588025	A17-14654	74.00	75.00	1.00	100.1	< 1	187	8	20	1	< 20	< 10	< 30	28	3
J-17-01	588026	A17-14654	75.00	76.00	1.00	100	15	8	118	180	26	70	50	60	21	2
J-17-01	588027	A17-14654	76.00	77.00	1.00	99.69	13	3	101	170	21	60	90	170	17	2
J-17-01	588028	A17-14654	88.47	89.47	1.00	99.78	12	17	87	170	18	60	40	110	17	3
J-17-01	588029	A17-14654	89.47	90.47	1.00	100.5	14	25	103	210	18	60	< 10	60	23	3
J-17-01	588031	A17-14654	90.47	92.00	1.53	99.87	< 1	174	5	30	< 1	< 20	< 10	< 30	26	4
J-17-01	588032	A17-14654	92.00	93.27	1.27	100.2	< 1	114	< 5	< 20	< 1	< 20	< 10	< 30	29	3
J-17-01	588033	A17-14654	93.27	94.27	1.00	99.79	14	9	107	180	21	70	80	240	18	2
J-17-01	588034	A17-14654	94.27	95.27	1.00	100	16	2	119	180	24	80	70	80	19	1
J-18-01	588035	A18-01245	67.45	68.45	1.00	100.3	17	8	125	150	23	60	30	70	19	3
J-18-01	588036	A18-01245	68.45	69.45	1.00	98.82	12	19	85	140	19	50	< 10	90	22	3
J-18-01	588037	A18-01245	69.45	69.95	0.50	98.54	6	115	45	70	8	30	10	70	34	3
J-18-01	588038	A18-01245	69.95	71.00	1.05	98.16	< 1	129	< 5	< 20	< 1	< 20	10	< 30	33	3
J-18-01	588039	A18-01245	71.00	72.00	1.00	98.86	< 1	199	< 5	< 20	< 1	< 20	< 10	< 30	29	3
J-18-01	588041	A18-01245	72.00	73.00	1.00	98.96	< 1	157	< 5	< 20	1	< 20	10	< 30	29	3
J-18-01	588042	A18-01245	73.00	74.00	1.00	100.2	< 1	221	< 5	< 20	< 1	< 20	< 10	< 30	25	4
J-18-01	588043	A18-01245	74.00	75.00	1.00	98.48	< 1	180	< 5	< 20	< 1	< 20	< 10	< 30	36	4
J-18-01	588044	A18-01245	75.00	76.00	1.00	98.68	< 1	208	< 5	< 20	< 1	< 20	< 10	40	34	4
J-18-01	588045	A18-01245	76.00	77.00	1.00	98.63	< 1	142	< 5	< 20	< 1	< 20	< 10	< 30	21	3
J-18-01	588046	A18-01245	77.00	78.00	1.00	98.8	< 1	135	< 5	< 20	< 1	< 20	< 10	30	25	3



BHID	Sample	Lab Ref	From_m	To_m	Int_m	Total %	Sc ppm	Be ppm	V ppm	Cr ppm	Co ppm	Ni ppm	Cu ppm	Zn ppm	Ga ppm	Ge ppm
J-18-01	588047	A18-01245	78.00	79.00	1.00	98.73	< 1	83	< 5	< 20	< 1	< 20	< 10	50	23	3
J-18-01	588048	A18-01245	79.00	80.00	1.00	99.04	< 1	81	< 5	< 20	< 1	< 20	< 10	< 30	25	3
J-18-01	588049	A18-01245	80.00	81.57	1.57	97.73	< 1	206	< 5	< 20	< 1	< 20	< 10	< 30	28	4
J-18-01	588051	A18-01245	81.57	83.00	1.43	99.58	17	10	123	150	23	70	60	90	21	3
J-18-01	588052	A18-01245	83.00	84.00	1.00	99.93	21	13	144	160	26	80	70	190	22	3
J-18-01	588053	A18-01245	84.00	85.00	1.00	98.99	< 1	83	< 5	< 20	< 1	< 20	< 10	140	24	4
J-18-01	588054	A18-01245	85.00	86.00	1.00	98.6	< 1	196	< 5	< 20	< 1	< 20	< 10	< 30	33	4
J-18-01	588055	A18-01245	86.00	87.00	1.00	96.85	< 1	153	< 5	< 20	< 1	< 20	< 10	< 30	35	4
J-18-01	588057	A18-01245	87.00	88.35	1.35	99.19	< 1	128	< 5	< 20	< 1	< 20	< 10	< 30	32	4
J-18-01	588058	A18-01245	88.35	89.35	1.00	99.37	22	13	148	170	31	80	110	240	22	3
J-18-01	588059	A18-01245	89.35	90.35	1.00	99.34	20	6	139	170	25	70	40	100	20	2
J-18-02	588061	A18-01245	78.45	79.45	1.00	99.49	18	10	124	170	24	70	80	180	22	2
J-18-02	588062	A18-01245	79.45	80.45	1.00	100	17	6	114	160	21	60	30	80	21	3
J-18-02	588063	A18-01245	80.45	82.00	1.55	98.67	< 1	104	< 5	< 20	1	< 20	20	< 30	25	4
J-18-02	588064	A18-01245	82.00	83.00	1.00	100	< 1	176	< 5	< 20	< 1	< 20	< 10	670	27	4
J-18-02	588065	A18-01245	83.00	84.00	1.00	99.48	< 1	254	< 5	< 20	< 1	< 20	< 10	40	27	3
J-18-02	588066	A18-01245	84.00	85.00	1.00	99.93	< 1	191	< 5	< 20	< 1	< 20	< 10	< 30	29	3
J-18-02	588067	A18-01245	85.00	86.00	1.00	98.75	< 1	215	< 5	< 20	< 1	< 20	< 10	540	31	4
J-18-02	588068	A18-01245	86.00	87.00	1.00	99.79	< 1	146	< 5	< 20	< 1	< 20	< 10	< 30	26	4
J-18-02	588069	A18-01245	87.00	88.00	1.00	98.42	< 1	224	< 5	< 20	< 1	< 20	< 10	40	28	4
J-18-02	588071	A18-01245	88.00	89.00	1.00	98.25	< 1	273	< 5	< 20	< 1	< 20	< 10	30	26	4
J-18-02	588072	A18-01245	89.00	90.00	1.00	98.46	< 1	208	< 5	< 20	< 1	< 20	< 10	40	29	4
J-18-02	588073	A18-01245	90.00	91.00	1.00	99.74	< 1	205	< 5	< 20	< 1	< 20	< 10	100	26	4
J-18-02	588074	A18-01245	91.00	92.00	1.00	98.52	< 1	201	< 5	< 20	< 1	< 20	< 10	40	30	4
J-18-02	588075	A18-01245	92.00	93.00	1.00	99.32	< 1	134	< 5	< 20	< 1	< 20	< 10	100	29	4
J-18-02	588077	A18-01245	93.00	94.00	1.00	98.98	< 1	100	< 5	< 20	< 1	< 20	< 10	< 30	33	4
J-18-02	588078	A18-01245	94.00	95.00	1.00	98.67	< 1	135	< 5	< 20	< 1	< 20	< 10	40	30	4
J-18-02	588079	A18-01245	95.00	96.00	1.00	99.9	< 1	182	< 5	110	< 1	270	< 10	70	34	4
J-18-02	588081	A18-01245	96.00	97.00	1.00	99.08	< 1	171	< 5	< 20	< 1	< 20	< 10	< 30	30	4
J-18-02	588082	A18-01245	97.00	98.00	1.00	97.83	< 1	143	< 5	< 20	< 1	< 20	30	110	28	4
J-18-02	588083	A18-01245	98.00	99.00	1.00	99.58	< 1	189	< 5	< 20	< 1	< 20	20	< 30	23	3
J-18-02	588084	A18-01245	99.00	100.00	1.00	99.96	< 1	285	< 5	< 20	< 1	< 20	< 10	110	25	3
J-18-02	588085	A18-01245	100.00	101.00	1.00	98.99	< 1	252	< 5	< 20	< 1	< 20	< 10	250	28	3
J-18-02	588086	A18-01245	101.00	102.00	1.00	98.71	< 1	402	< 5	< 20	< 1	< 20	< 10	490	24	3
J-18-02	588087	A18-01245	102.00	103.00	1.00	99.26	< 1	90	< 5	< 20	< 1	< 20	< 10	30	28	3
J-18-02	588088	A18-01245	103.00	104.00	1.00	98.74	< 1	136	< 5	< 20	< 1	< 20	< 10	< 30	26	3
J-18-02	588089	A18-01245	104.00	105.00	1.00	99.8	< 1	273	< 5	< 20	< 1	< 20	20	< 30	30	3
J-18-02	588091	A18-01245	105.00	106.00	1.00	98.6	< 1	94	< 5	< 20	2	< 20	20	< 30	26	4
J-18-02	588092	A18-01245	106.00	107.00	1.00	99.66	< 1	143	< 5	< 20	1	< 20	20	< 30	28	4
J-18-02	588093	A18-01245	107.00	108.00	1.00	100.3	< 1	98	< 5	< 20	8	< 20	10	40	38	4
J-18-02	588094	A18-01245	108.00	109.00	1.00	98.68	< 1	99	< 5	< 20	1	< 20	30	< 30	22	3

BHID	Sample	Lab Ref	From_m	To_m	Int_m	Total %	Sc ppm	Be ppm	V ppm	Cr ppm	Co ppm	Ni ppm	Cu ppm	Zn ppm	Ga ppm	Ge ppm
J-18-02	588095	A18-01245	109.00	110.00	1.00	99	< 1	193	< 5	< 20	2	< 20	30	< 30	26	3
J-18-02	588097	A18-01245	110.00	111.00	1.00	100.4	2	102	15	30	3	< 20	20	< 30	31	3
J-18-02	588098	A18-01245	111.00	112.00	1.00	98.71	2	141	13	20	3	< 20	20	< 30	34	4
J-18-02	588099	A18-01245	112.00	112.70	0.70	98.66	< 1	86	< 5	< 20	< 1	< 20	10	< 30	28	3
J-18-02	588101	A18-01245	112.70	113.39	0.69	99.87	13	29	93	130	18	40	20	60	21	3
J-18-02	588102	A18-01245	113.39	113.68	0.29	99.39	5	9	30	40	6	< 20	50	< 30	11	2
J-18-02	588103	A18-01245	113.68	114.68	1.00	99.19	14	15	103	130	18	50	40	60	17	3
J-18-03	588104	A18-01245	8.40	9.40	1.00	100.4	16	2	116	150	21	60	100	40	19	1
J-18-03	588105	A18-01245	9.40	10.40	1.00	99.57	16	3	113	150	20	50	20	50	19	2
J-18-03	588106	A18-01245	10.40	11.40	1.00	96.62	< 1	158	< 5	30	< 1	< 20	20	40	40	4
J-18-03	588107	A18-01245	11.40	12.40	1.00	96.87	< 1	126	< 5	40	< 1	< 20	< 10	< 30	44	4
J-18-03	588108	A18-01245	12.40	13.40	1.00	99.62	< 1	209	< 5	< 20	< 1	< 20	< 10	< 30	26	5
J-18-03	588109	A18-01245	13.40	14.40	1.00	99.86	< 1	203	< 5	< 20	< 1	< 20	< 10	< 30	26	5
J-18-03	588111	A18-01245	14.40	15.40	1.00	100.2	< 1	180	< 5	< 20	< 1	< 20	< 10	< 30	27	5
J-18-03	588112	A18-01245	15.40	16.50	1.10	99.64	< 1	131	< 5	< 20	< 1	< 20	< 10	< 30	25	4
J-18-03	588113	A18-01245	16.50	17.50	1.00	99.85	15	7	112	210	23	70	< 10	80	18	2
J-18-03	588114	A18-01245	17.50	18.50	1.00	100.2	17	3	128	240	25	70	10	70	19	2
J-18-03	588115	A18-01245	32.85	33.67	0.82	98.53	< 1	176	< 5	< 20	< 1	< 20	< 10	< 30	24	4
J-18-03	588117	A18-01245	106.50	107.50	1.00	99.82	17	2	120	140	21	50	30	70	20	2
J-18-03	588118	A18-01245	107.50	108.50	1.00	99.93	12	17	90	120	17	50	30	70	20	2
J-18-03	588119	A18-01245	108.50	109.50	1.00	100.4	< 1	126	< 5	< 20	< 1	< 20	< 10	< 30	33	4
J-18-03	588121	A18-01245	109.50	110.50	1.00	98.74	< 1	116	< 5	< 20	< 1	< 20	< 10	< 30	32	4
J-18-03	588122	A18-01245	110.50	111.50	1.00	98.97	< 1	128	< 5	30	< 1	< 20	< 10	< 30	29	3
J-18-03	588123	A18-01245	111.50	112.50	1.00	98.98	< 1	143	< 5	20	< 1	< 20	< 10	< 30	27	3
J-18-03	588124	A18-01245	112.50	113.20	0.70	100.2	< 1	147	< 5	< 20	< 1	< 20	< 10	< 30	33	3
J-18-03	588125	A18-01245	113.20	114.20	1.00	98.33	13	12	102	160	17	50	30	60	25	3
J-18-03	588126	A18-01245	114.20	115.20	1.00	99.61	15	4	115	160	18	50	20	60	20	2
J-18-03	588127	A18-01245	117.50	118.50	1.00	99.95	15	2	115	160	22	60	110	190	20	2
J-18-03	588128	A18-01245	118.50	119.50	1.00	98.48	15	4	108	150	22	60	40	40	19	2
J-18-03	588129	A18-01245	119.50	120.50	1.00	99.52	17	5	127	170	20	60	20	90	23	2
J-18-03	588131	A18-01245	120.50	121.50	1.00	99.21	< 1	452	< 5	30	2	< 20	180	140	35	3
J-18-03	588132	A18-01245	121.50	122.50	1.00	100.3	< 1	125	< 5	< 20	1	< 20	30	140	49	3
J-18-03	588133	A18-01245	122.50	123.50	1.00	98.81	< 1	153	5	40	1	< 20	10	90	19	3
J-18-03	588134	A18-01245	123.50	124.50	1.00	98.92	< 1	76	< 5	50	< 1	< 20	< 10	< 30	11	3
J-18-03	588135	A18-01245	124.50	125.20	0.70	99.74	< 1	79	< 5	40	1	< 20	10	< 30	27	3
J-18-03	588137	A18-01245	125.20	126.20	1.00	99.61	19	43	142	160	27	70	50	50	26	2
J-18-03	588138	A18-01245	126.20	127.20	1.00	100.1	18	5	131	160	33	80	30	50	21	2
J-18-04	588139	A18-01245	2.20	3.00	0.80	96.66	< 1	94	< 5	30	< 1	< 20	< 10	< 30	44	4
J-18-04	588141	A18-01245	3.00	4.00	1.00	98.18	< 1	131	< 5	20	< 1	< 20	< 10	< 30	36	4
J-18-04	588142	A18-01245	4.00	5.00	1.00	99.29	< 1	132	< 5	20	< 1	< 20	< 10	< 30	31	4
J-18-04	588143	A18-01245	5.00	6.00	1.00	96.74	< 1	79	< 5	< 20	< 1	< 20	< 10	30	39	5

BHID	Sample	Lab Ref	From m	To m	Int m	Total %	Sc ppm	Be ppm	V ppm	Cr ppm	Co ppm	Ni ppm	Cu ppm	Zn ppm	Ga ppm	Ge ppm
J-18-04	588144	A18-01245	6.00	7.00	1.00	95.45	< 1	101	< 5	20	< 1	< 20	< 10	30	52	5
J-18-04	588145	A18-01245	7.00	8.00	1.00	95.33	< 1	11	< 5	30	< 1	< 20	< 10	70	47	5
J-18-04	588146	A18-01245	8.00	9.43	1.43	99.93	< 1	167	< 5	< 20	< 1	< 20	< 10	< 30	31	4
J-18-04	588147	A18-01245	9.43	10.43	1.00	99.52	13	11	87	140	17	50	< 10	80	22	2
J-18-04	588148	A18-01245	10.43	11.43	1.00	98.96	13	3	92	140	17	50	10	60	18	2
J-18-04	588149	A18-01245	120.20	120.42	0.22	98.93	< 1	47	13	< 20	1	< 20	< 10	< 30	20	3
J-18-04	588151	A18-01245	150.50	151.50	1.00	99.62	19	11	130	160	23	80	< 10	80	23	3
J-18-04	588152	A18-01245	151.50	152.50	1.00	99.52	16	12	105	140	21	60	80	190	28	3
J-18-04	588153	A18-01245	152.50	154.00	1.50	99.32	3	263	23	40	3	< 20	20	60	41	3
J-18-04	588154	A18-01245	154.00	155.00	1.00	99.56	< 1	128	7	30	< 1	< 20	< 10	40	50	3
J-18-04	588155	A18-01245	155.00	156.00	1.00	97.74	< 1	67	< 5	< 20	< 1	< 20	< 10	< 30	27	4
J-18-04	588157	A18-01245	156.00	157.00	1.00	98.55	< 1	64	< 5	< 20	< 1	< 20	< 10	< 30	25	3
J-18-04	588158	A18-01245	157.00	158.00	1.00	99.83	< 1	214	< 5	20	< 1	< 20	< 10	< 30	27	3
J-18-04	588159	A18-01245	158.00	159.00	1.00	99.13	< 1	21	< 5	< 20	< 1	< 20	< 10	< 30	17	4
J-18-04	588161	A18-01245	159.00	160.00	1.00	99.45	< 1	153	< 5	< 20	< 1	< 20	< 10	< 30	24	3
J-18-04	588162	A18-01245	160.00	161.00	1.00	98.77	< 1	194	< 5	< 20	< 1	< 20	< 10	50	37	3
J-18-04	588163	A18-01245	161.00	162.00	1.00	99.48	< 1	148	< 5	30	< 1	< 20	< 10	< 30	22	3
J-18-04	588164	A18-01245	162.00	163.00	1.00	99.6	< 1	194	< 5	< 20	< 1	< 20	< 10	< 30	26	3
J-18-04	588165	A18-01245	163.00	164.00	1.00	99.36	< 1	167	< 5	< 20	< 1	< 20	30	< 30	24	3
J-18-04	588166	A18-01245	164.00	165.00	1.00	99.85	< 1	118	< 5	< 20	< 1	< 20	< 10	< 30	23	4
J-18-04	588167	A18-01245	165.00	166.00	1.00	99.52	< 1	218	< 5	< 20	< 1	< 20	< 10	140	31	4
J-18-04	588168	A18-01245	166.00	167.00	1.00	98.9	< 1	233	< 5	< 20	< 1	< 20	< 10	< 30	30	4
J-18-04	588169	A18-01245	167.00	168.00	1.00	100.6	< 1	174	< 5	< 20	< 1	< 20	< 10	< 30	27	3
J-18-04	588171	A18-01245	168.00	168.50	0.50	99.89	< 1	122	< 5	< 20	< 1	< 20	< 10	< 30	30	3
J-18-04	588172	A18-01245	168.50	168.85	0.35	98.87	19	30	127	170	19	70	< 10	90	36	3
J-18-04	588173	A18-01245	168.85	169.50	0.65	100.3	1	206	17	30	2	< 20	< 10	< 30	37	3
J-18-04	588174	A18-01245	169.50	170.50	1.00	99.08	22	29	151	180	26	80	20	90	24	3
J-18-04	588175	A18-01245	170.50	171.50	1.00	99.85	22	10	148	190	26	90	20	80	23	3
J-18-04	588177	A18-01245	176.00	177.00	1.00	100	15	4	99	130	19	60	60	100	19	3
J-18-04	588178	A18-01245	177.00	178.00	1.00	99.62	3	3	29	50	9	< 20	150	30	12	2
J-18-05	588179	A18-01502	1.00	1.50	0.50	98.28	< 1	199	< 5	30	< 1	< 20	< 10	30	36	4
J-18-05	588181	A18-01502	1.50	2.50	1.00	98.77	< 1	172	< 5	40	< 1	< 20	< 10	< 30	30	4
J-18-05	588182	A18-01502	2.50	3.50	1.00	99.74	< 1	187	< 5	< 20	< 1	< 20	< 10	< 30	23	4
J-18-05	588183	A18-01502	3.50	4.86	1.36	99.64	< 1	157	< 5	< 20	< 1	< 20	< 10	< 30	25	4
J-18-05	588184	A18-01502	4.86	5.86	1.00	100	14	7	98	150	18	60	< 10	60	19	3
J-18-05	588185	A18-01502	5.86	6.86	1.00	100.3	15	3	106	140	17	60	20	60	16	2
J-18-05	588186	A18-01502	22.80	23.45	0.65	98.72	< 1	177	6	30	< 1	< 20	< 10	< 30	17	3
J-18-05	588187	A18-01502	69.55	70.40	0.85	98.66	< 1	53	8	40	1	< 20	10	< 30	26	3
J-18-05	588188	A18-01502	87.33	88.33	1.00	100.1	36	0.5	313	130	52	140	180	110	18	2
J-18-05	588189	A18-01502	88.33	89.33	1.00	99.42	37	4	321	130	50	110	180	100	19	2
J-18-05	588191	A18-01502	89.33	90.50	1.17	99.97	< 1	79	< 5	< 20	2	< 20	< 10	< 30	27	3

BHID	Sample	Lab Ref	From_m	To_m	Int_m	Total %	Sc_ppm	Be_ppm	V_ppm	Cr_ppm	Co_ppm	Ni_ppm	Cu_ppm	Zn_ppm	Ga_ppm	Ge_ppm
J-18-05	588192	A18-01502	90.50	91.50	1.00	99.92	< 1	136	< 5	20	2	< 20	< 10	< 30	25	3
J-18-05	588193	A18-01502	91.50	92.50	1.00	99.22	< 1	131	< 5	< 20	2	< 20	< 10	< 30	25	3
J-18-05	588194	A18-01502	92.50	93.50	1.00	100.2	< 1	149	< 5	30	2	< 20	40	110	25	4
J-18-05	588195	A18-01502	93.50	94.50	1.00	100	< 1	125	< 5	20	< 1	20	< 10	60	22	3
J-18-05	588197	A18-01502	94.50	95.50	1.00	100.1	< 1	96	< 5	20	< 1	< 20	10	< 30	25	4
J-18-05	588198	A18-01502	95.50	96.50	1.00	98.43	< 1	524	< 5	40	< 1	< 20	< 10	40	29	4
J-18-05	588199	A18-01502	96.50	97.50	1.00	99.69	< 1	345	< 5	30	< 1	< 20	40	40	30	4
J-18-05	588201	A18-01502	97.50	98.50	1.00	98.49	< 1	159	< 5	40	< 1	< 20	< 10	60	28	3
J-18-05	588202	A18-01502	98.50	99.50	1.00	98.77	< 1	140	< 5	30	1	< 20	50	< 30	31	4
J-18-05	588203	A18-01502	99.50	100.70	1.20	99.47	< 1	192	< 5	20	2	< 20	10	< 30	28	4
J-18-05	588204	A18-01502	100.70	101.70	1.00	98.99	14	15	101	140	19	60	< 10	60	18	2
J-18-05	588205	A18-01502	101.70	102.70	1.00	100.3	14	31	106	160	19	70	20	40	23	3
J-18-05	588206	A18-01502	121.75	122.75	1.00	100.3	14	4	112	180	20	60	30	50	19	2
J-18-05	588207	A18-01502	122.75	123.75	1.00	98.46	12	27	87	120	13	50	40	50	20	2
J-18-05	588208	A18-01502	123.75	124.75	1.00	100.3	< 1	72	< 5	20	< 1	< 20	20	< 30	20	3
J-18-05	588209	A18-01502	124.75	125.60	0.85	98.5	< 1	143	< 5	30	< 1	< 20	20	< 30	24	3
J-18-05	588211	A18-01502	125.60	126.60	1.00	99.53	12	7	98	160	18	60	40	40	18	2
J-18-05	588212	A18-01502	126.60	127.60	1.00	100.2	13	6	101	160	19	60	40	40	16	1
J-18-06	588213	A18-03395	79.80	80.80	1.00	98.42	19	2	138	160	26	80	60	250	19	2
J-18-06	588214	A18-03395	80.80	81.80	1.00	98.81	17	4	128	160	24	70	60	120	19	2
J-18-06	588215	A18-03395	81.80	83.00	1.20	99.44	< 1	124	6	30	2	< 20	< 10	70	24	4
J-18-06	588217	A18-03395	83.00	84.00	1.00	100.5	< 1	129	< 5	20	2	< 20	< 10	< 30	29	3
J-18-06	588218	A18-03395	84.00	85.00	1.00	100.1	< 1	168	< 5	30	1	< 20	< 10	< 30	25	3
J-18-06	588219	A18-03395	85.00	86.00	1.00	100.5	< 1	171	< 5	20	1	< 20	< 10	< 30	26	3
J-18-06	588221	A18-03395	86.00	87.00	1.00	99.84	< 1	100	< 5	30	2	< 20	< 10	< 30	29	3
J-18-06	588222	A18-03395	87.00	88.00	1.00	99.75	6	77	44	90	8	30	< 10	40	26	3
J-18-06	588223	A18-03395	88.00	89.00	1.00	100.1	8	83	59	100	12	30	< 10	60	30	3
J-18-06	588224	A18-03395	89.00	90.00	1.00	99.71	< 1	132	< 5	30	< 1	< 20	< 10	40	33	3
J-18-06	588225	A18-03395	90.00	91.00	1.00	98.66	< 1	141	< 5	30	< 1	< 20	< 10	< 30	35	4
J-18-06	588226	A18-03395	91.00	92.00	1.00	99.38	< 1	280	< 5	30	< 1	< 20	< 10	< 30	35	3
J-18-06	588227	A18-03395	92.00	93.00	1.00	97.35	< 1	243	< 5	40	< 1	< 20	< 10	30	38	4
J-18-06	588228	A18-03395	93.00	94.00	1.00	96.91	< 1	194	< 5	40	< 1	< 20	< 10	30	41	4
J-18-06	588229	A18-03395	94.00	95.00	1.00	96.65	< 1	205	< 5	30	< 1	< 20	< 10	< 30	39	3
J-18-06	588231	A18-03395	95.00	96.00	1.00	97.92	< 1	205	< 5	30	< 1	< 20	< 10	< 30	28	4
J-18-06	588232	A18-03395	96.00	97.00	1.00	99.44	< 1	231	< 5	40	< 1	< 20	< 10	< 30	27	4
J-18-06	588233	A18-03395	97.00	98.36	1.36	99.76	< 1	178	< 5	20	< 1	< 20	< 10	< 30	26	4
J-18-06	588234	A18-03395	98.36	99.36	1.00	99.5	18	3	131	170	25	80	50	90	19	2
J-18-06	588235	A18-03395	99.36	100.36	1.00	99.34	14	2	113	170	21	60	50	70	17	1
J-18-07	588237	A18-03203	13.95	14.95	1.00	99.84	15	2	143	120	30	90	40	130	22	4
J-18-07	588238	A18-03203	14.95	15.95	1.00	99.54	15	11	137	110	30	70	60	120	21	4
J-18-07	588239	A18-03203	15.95	17.00	1.05	99.35	< 1	200	16	20	2	< 20	< 10	210	20	3

BHID	Sample	Lab Ref	From_m	To_m	Int_m	Total %	Sc ppm	Be ppm	V ppm	Cr ppm	Co ppm	Ni ppm	Cu ppm	Zn ppm	Ga ppm	Ge ppm
J-18-07	588241	A18-03203	17.00	18.00	1.00	99.22	< 1	61	< 5	< 20	< 1	< 20	< 10	< 30	33	4
J-18-07	588242	A18-03203	18.00	19.35	1.35	100.3	3	71	23	50	4	< 20	< 10	100	39	3
J-18-07	588243	A18-03203	19.35	21.00	1.65	99.69	15	30	101	160	21	70	< 10	150	29	3
J-18-07	588244	A18-03203	21.00	21.55	0.55	98.97	< 1	178	13	< 20	1	< 20	< 10	< 30	24	3
J-18-07	588245	A18-03203	21.55	22.55	1.00	100.3	15	6	113	180	24	80	50	130	20	2
J-18-07	588246	A18-03203	22.55	23.55	1.00	99.6	19	2	142	190	28	90	50	270	21	2
J-18-07	588247	A18-03203	111.65	112.65	1.00	100.6	32	2	275	150	46	100	200	100	19	2
J-18-07	588248	A18-03203	112.65	112.75	0.10	99.94	3	159	29	60	6	< 20	20	90	28	3
J-18-07	588249	A18-03203	112.75	113.75	1.00	100.1	15	4	116	220	26	70	120	310	18	2
J-18-08	588251	A18-03395	17.17	18.17	1.00	99.56	17	2	123	180	25	80	30	90	20	2
J-18-08	588252	A18-03395	18.17	19.17	1.00	100.1	16	9	115	160	23	70	50	200	19	2
J-18-08	588253	A18-03395	19.17	20.00	0.83	99.25	< 1	212	< 5	< 20	< 1	< 20	< 10	250	24	4
J-18-08	588254	A18-03395	20.00	21.00	1.00	100.3	< 1	148	< 5	20	< 1	< 20	< 10	< 30	30	4
J-18-08	588255	A18-03395	21.00	22.10	1.10	98.73	1	166	11	30	2	< 20	< 10	< 30	24	3
J-18-08	588257	A18-03395	22.10	23.10	1.00	99.26	16	24	112	160	22	70	50	330	23	3
J-18-08	588258	A18-03395	23.10	24.30	1.20	99.76	15	20	110	150	22	70	30	120	22	3
J-18-08	588259	A18-03395	24.30	25.00	0.70	99.09	< 1	34	7	20	< 1	< 20	< 10	790	23	3
J-18-08	588261	A18-03395	25.00	26.00	1.00	98.6	< 1	127	< 5	30	< 1	< 20	< 10	90	24	3
J-18-08	588262	A18-03395	26.00	27.00	1.00	100.7	< 1	187	< 5	< 20	< 1	< 20	< 10	< 30	27	3
J-18-08	588263	A18-03395	27.00	28.00	1.00	99.82	17	9	122	160	24	70	50	70	19	2
J-18-08	588264	A18-03395	28.00	29.00	1.00	99.6	18	2	130	160	24	80	70	130	18	2
J-18-08	588265	A18-03395	32.18	33.18	1.00	99.76	17	7	124	160	25	80	50	80	19	3
J-18-08	588266	A18-03395	33.18	34.18	1.00	99.33	15	13	108	150	23	70	50	80	18	3
J-18-08	588267	A18-03395	34.18	35.00	0.82	99.94	< 1	226	< 5	40	< 1	< 20	< 10	< 30	36	3
J-18-08	588268	A18-03395	35.00	36.00	1.00	98.06	< 1	245	< 5	30	< 1	< 20	< 10	120	36	3
J-18-08	588269	A18-03395	36.00	37.00	1.00	98.38	< 1	135	< 5	40	< 1	< 20	< 10	40	29	3
J-18-08	588271	A18-03395	37.00	38.00	1.00	100.2	< 1	134	9	30	1	< 20	< 10	< 30	32	4
J-18-08	588272	A18-03395	38.00	38.75	0.75	98.06	5	96	46	80	7	30	10	350	33	4
J-18-08	588273	A18-03395	38.75	39.75	1.00	99.68	7	119	46	70	9	30	20	50	32	4
J-18-08	588274	A18-03395	39.75	40.75	1.00	98.57	< 1	199	< 5	60	< 1	< 20	< 10	< 30	33	4
J-18-08	588275	A18-03395	40.75	41.75	1.00	99.57	< 1	157	< 5	20	< 1	< 20	< 10	< 30	27	4
J-18-08	588277	A18-03395	41.75	42.75	1.00	97.04	< 1	217	< 5	40	< 1	< 20	< 10	40	39	4
J-18-08	588278	A18-03395	42.75	43.75	1.00	97.82	< 1	204	< 5	30	< 1	< 20	< 10	< 30	31	4
J-18-08	588279	A18-03395	43.75	44.75	1.00	98.97	< 1	192	< 5	30	< 1	< 20	10	< 30	30	3
J-18-08	588281	A18-03395	44.75	45.75	1.00	98.18	15	22	116	170	22	70	60	140	21	2
J-18-08	588282	A18-03395	45.75	46.75	1.00	99.93	14	3	114	170	21	70	40	70	17	2
J-18-08	588283	A18-03395	96.47	97.47	1.00	98.77	39	1	341	140	53	100	190	120	20	2
J-18-08	588284	A18-03395	97.47	98.47	1.00	98.98	39	1	341	140	53	110	190	110	19	2
J-18-08	588285	A18-03395	98.47	99.20	0.73	98.8	32	5	273	120	43	90	150	80	19	2
J-18-08	588286	A18-03395	99.20	100.20	1.00	98.56	< 1	203	7	30	2	< 20	10	< 30	29	3
J-18-08	588287	A18-03395	100.20	100.90	0.70	99.27	2	112	16	30	3	< 20	10	< 30	27	4

BHID	Sample	Lab Ref	From_m	To_m	Int_m	Total %	Sc ppm	Be ppm	V ppm	Cr ppm	Co ppm	Ni ppm	Cu ppm	Zn ppm	Ga ppm	Ge ppm
J-18-08	588288	A18-03395	100.90	101.70	0.80	99.9	23	25	193	90	28	60	90	50	23	3
J-18-08	588289	A18-03395	101.70	102.40	0.70	99.04	39	3	335	140	51	110	150	90	20	2
J-18-08	588291	A18-03395	102.40	103.40	1.00	98.9	< 1	182	8	30	2	< 20	60	< 30	26	3
J-18-08	588292	A18-03395	103.40	104.40	1.00	99.09	< 1	180	6	30	2	< 20	10	< 30	25	3
J-18-08	588293	A18-03395	104.40	105.40	1.00	98.63	< 1	156	< 5	30	2	< 20	< 10	< 30	25	3
J-18-08	588294	A18-03395	105.40	106.35	0.95	98.84	1	222	10	30	3	< 20	30	< 30	23	3
J-18-08	588295	A18-03395	106.35	107.35	1.00	98.36	20	5	147	180	28	90	160	150	22	2
J-18-08	588297	A18-03395	107.35	108.35	1.00	98.21	19	3	140	170	26	90	100	100	19	1
J-18-09	588298	A18-03203	15.45	16.45	1.00	100.1	13	5	98	200	21	70	60	40	18	2
J-18-09	588299	A18-03203	16.45	16.66	0.21	99.77	2	165	19	40	4	< 20	10	< 30	29	4
J-18-09	588301	A18-03203	16.66	17.66	1.00	100.6	21	5	182	170	30	70	40	60	18	2
J-18-09	588302	A18-03203	29.06	30.06	1.00	100.7	15	6	115	170	21	70	30	< 30	19	1
J-18-09	588303	A18-03203	30.06	30.30	0.24	99.3	7	286	50	80	10	30	20	< 30	25	2
J-18-09	588304	A18-03203	30.30	31.30	1.00	99.93	16	8	125	180	23	70	20	< 30	21	2
J-18-09	588305	A18-03203	56.40	57.40	1.00	100.1	16	8	125	170	26	80	20	< 30	24	2
J-18-09	588306	A18-03203	57.40	58.40	1.00	99.82	13	9	97	140	18	60	< 10	< 30	24	2
J-18-09	588307	A18-03203	58.40	59.40	1.00	99.36	1	28	9	30	2	< 20	< 10	< 30	22	3
J-18-09	588308	A18-03203	59.40	60.40	1.00	98.65	< 1	126	< 5	40	1	< 20	< 10	< 30	23	3
J-18-09	588309	A18-03203	60.40	61.40	1.00	99.82	< 1	102	< 5	30	1	< 20	< 10	< 30	24	3
J-18-09	588311	A18-03203	61.40	62.40	1.00	100.4	< 1	169	< 5	30	2	< 20	10	< 30	36	4
J-18-09	588312	A18-03203	62.40	63.40	1.00	100.2	< 1	145	< 5	30	6	< 20	< 10	< 30	31	3
J-18-09	588313	A18-03203	63.40	64.40	1.00	100.1	27	38	234	110	38	80	140	60	22	2
J-18-09	588314	A18-03203	64.40	65.40	1.00	100.2	< 1	81	< 5	20	2	< 20	< 10	< 30	27	3
J-18-09	588315	A18-03203	65.40	66.40	1.00	99.8	< 1	151	< 5	30	2	< 20	< 10	< 30	28	3
J-18-09	588317	A18-03203	66.40	67.40	1.00	100.2	< 1	71	< 5	30	3	< 20	< 10	< 30	21	3
J-18-09	588318	A18-03203	67.40	68.30	0.90	99.76	< 1	104	< 5	40	7	< 20	10	< 30	25	3
J-18-09	588319	A18-03203	68.30	69.30	1.00	99.8	38	4	324	140	48	100	190	90	20	2
J-18-09	588321	A18-03203	69.30	70.30	1.00	100.9	39	1	339	140	50	90	190	100	20	2
J-18-09	588322	A18-03203	87.30	88.30	1.00	99.61	37	0.5	321	140	53	120	170	110	20	2
J-18-09	588323	A18-03203	88.30	89.30	1.00	98.71	37	2	325	140	51	110	180	120	19	2
J-18-09	588324	A18-03203	89.30	90.15	0.85	99.14	4	191	36	30	10	< 20	30	< 30	27	2
J-18-09	588325	A18-03203	90.15	90.90	0.75	99.87	35	8	308	130	47	100	210	100	21	2
J-18-09	588326	A18-03203	90.90	92.00	1.10	99.45	< 1	92	< 5	20	5	< 20	30	< 30	19	3
J-18-09	588327	A18-03203	92.00	93.00	1.00	99.6	< 1	181	< 5	20	2	< 20	< 10	< 30	21	2
J-18-09	588328	A18-03203	93.00	94.00	1.00	100.4	< 1	165	< 5	20	1	< 20	< 10	< 30	22	3
J-18-09	588329	A18-03203	94.00	95.00	1.00	100.5	< 1	235	< 5	40	1	< 20	20	< 30	24	3
J-18-09	588331	A18-03203	95.00	96.00	1.00	100.4	< 1	192	< 5	30	3	< 20	70	< 30	24	3
J-18-09	588332	A18-03203	96.00	97.00	1.00	100.5	< 1	345	< 5	30	< 1	< 20	20	< 30	23	3
J-18-09	588333	A18-03203	97.00	98.00	1.00	98.8	< 1	352	< 5	30	1	< 20	20	< 30	24	3
J-18-09	588334	A18-03203	98.00	98.75	0.75	98.65	< 1	150	12	30	1	< 20	10	< 30	26	4
J-18-09	588335	A18-03203	98.75	99.75	1.00	98.75	16	17	113	170	27	50	70	< 30	20	1

BHID	Sample	Lab Ref	From_m	To_m	Int_m	Total %	Sc ppm	Be ppm	V ppm	Cr ppm	Co ppm	Ni ppm	Cu ppm	Zn ppm	Ga ppm	Ge ppm
J-18-09	588337	A18-03203	99.75	100.75	1.00	98.97	16	6	124	170	27	60	90	30	18	1
J-18-09	588338	A18-03203	112.75	113.75	1.00	99.17	17	2	126	190	24	70	50	60	17	1
J-18-09	588339	A18-03203	113.75	114.75	1.00	98.61	15	7	117	160	20	60	50	160	17	1
J-18-09	588341	A18-03203	114.75	115.75	1.00	99.69	7	52	65	90	10	30	30	40	24	3
J-18-09	588342	A18-03203	115.75	116.60	0.85	99.84	3	106	18	40	4	< 20	20	< 30	25	3
J-18-09	588343	A18-03203	116.60	117.60	1.00	99.35	15	24	111	160	20	60	60	40	18	1
J-18-09	588344	A18-03203	117.60	118.25	0.65	99.51	16	10	113	170	21	60	50	40	19	1
J-18-09	588345	A18-03203	118.25	119.20	0.95	99.34	< 1	89	6	30	2	< 20	< 10	< 30	21	3
J-18-09	588346	A18-03203	119.20	120.20	1.00	98.63	15	4	117	160	21	60	50	80	17	1
J-18-09	588347	A18-03203	120.20	121.20	1.00	98.65	14	1	108	150	20	60	50	90	16	< 1
J-18-10	588348	A18-03203	72.10	73.10	1.00	99.34	18	5	122	320	29	110	40	110	15	2
J-18-10	588349	A18-03203	73.10	74.10	1.00	99.81	17	6	128	170	22	70	10	70	19	2
J-18-10	588351	A18-03203	74.10	75.10	1.00	97.12	< 1	170	< 5	< 20	< 1	< 20	< 10	< 30	36	4
J-18-10	588352	A18-03203	75.10	76.10	1.00	97.53	< 1	149	< 5	20	< 1	< 20	< 10	50	32	4
J-18-10	588353	A18-03203	76.10	77.10	1.00	98.38	< 1	73	< 5	< 20	< 1	< 20	< 10	170	28	3
J-18-10	588354	A18-03203	77.10	78.10	1.00	98.85	< 1	56	< 5	< 20	< 1	< 20	< 10	50	23	3
J-18-10	588355	A18-03203	78.10	79.10	1.00	100.1	< 1	20	< 5	< 20	< 1	< 20	< 10	< 30	18	3
J-18-10	588357	A18-03203	79.10	80.10	1.00	97.87	< 1	236	< 5	30	< 1	< 20	< 10	70	39	3
J-18-10	588358	A18-03203	80.10	81.10	1.00	98.21	< 1	144	< 5	30	< 1	< 20	< 10	90	31	4
J-18-10	588359	A18-03203	81.10	82.10	1.00	98.15	< 1	263	< 5	20	< 1	< 20	< 10	150	34	3
J-18-10	588361	A18-03203	82.10	83.10	1.00	98.65	< 1	86	< 5	20	< 1	< 20	< 10	< 30	23	3
J-18-10	588362	A18-03203	83.10	84.10	1.00	98.1	< 1	167	< 5	30	< 1	< 20	< 10	50	30	4
J-18-10	588363	A18-03203	84.10	85.10	1.00	97.89	< 1	220	< 5	50	< 1	< 20	< 10	< 30	25	4
J-18-10	588364	A18-03203	85.10	86.10	1.00	98.22	< 1	271	< 5	30	< 1	< 20	< 10	< 30	31	4
J-18-10	588365	A18-03203	86.10	87.60	1.50	99.21	< 1	101	< 5	20	< 1	< 20	< 10	< 30	27	3
J-18-10	588366	A18-03203	87.60	88.60	1.00	99.32	13	14	100	150	20	60	20	70	19	2
J-18-10	588367	A18-03203	88.60	89.60	1.00	100.1	15	2	115	160	23	60	60	70	18	1
J-18-11	588368	A18-03203	6.00	7.00	1.00	99.16	< 1	212	< 5	20	< 1	< 20	< 10	< 30	26	4
J-18-11	588369	A18-03203	7.00	8.00	1.00	100.2	< 1	219	< 5	30	< 1	< 20	< 10	< 30	28	4
J-18-11	588371	A18-03203	8.00	9.20	1.20	99.63	< 1	227	< 5	20	< 1	< 20	< 10	< 30	31	4
J-18-11	588372	A18-03203	9.20	10.20	1.00	99.68	14	4	103	170	20	60	40	70	19	2
J-18-11	588373	A18-03203	10.20	11.20	1.00	98.91	15	1	107	160	21	60	40	80	20	1
J-18-11	588374	A18-03203	11.20	12.20	1.00	98.97	14	1	105	170	21	60	50	80	19	1
J-18-11	588375	A18-03203	12.20	13.10	0.90	98.95	13	6	100	170	20	50	50	80	20	2
J-18-11	588377	A18-03203	13.10	14.10	1.00	98.54	< 1	194	8	30	1	< 20	< 10	< 30	39	4
J-18-11	588378	A18-03203	14.10	15.10	1.00	98.96	14	6	105	180	21	60	60	80	19	2
J-18-11	588379	A18-03203	15.10	16.10	1.00	99.67	15	4	111	170	22	60	80	80	19	2
J-18-11	588381	A18-03203	77.35	78.35	1.00	98.03	15	5	108	190	22	60	60	50	18	1
J-18-11	588382	A18-03203	78.35	79.35	1.00	99.97	15	5	112	200	21	60	60	60	18	2
J-18-11	588383	A18-03203	79.35	80.35	1.00	98.94	< 1	117	< 5	40	< 1	< 20	< 10	< 30	29	4
J-18-11	588384	A18-03203	80.35	81.35	1.00	97.9	< 1	146	10	40	< 1	< 20	< 10	30	31	4



BHID	Sample	Lab Ref	From_m	To_m	Int_m	Total %	Sc_ppm	Be_ppm	V_ppm	Cr_ppm	Co_ppm	Ni_ppm	Cu_ppm	Zn_ppm	Ga_ppm	Ge_ppm
J-18-11	588385	A18-03203	81.35	82.35	1.00	97.84	< 1	168	< 5	40	< 1	< 20	< 10	< 30	28	4
J-18-11	588386	A18-03203	82.35	83.35	1.00	98.24	1	170	< 5	30	< 1	< 20	< 10	< 30	25	4
J-18-11	588387	A18-03203	83.35	84.35	1.00	99.15	1	133	< 5	30	< 1	< 20	< 10	450	31	4
J-18-11	588388	A18-03203	84.35	85.35	1.00	98.07	< 1	160	12	50	< 1	< 20	< 10	130	27	4
J-18-11	588389	A18-03203	85.35	86.35	1.00	98.2	< 1	128	7	40	< 1	< 20	70	170	27	3
J-18-11	588391	A18-03203	86.35	87.35	1.00	98.55	< 1	163	< 5	40	< 1	< 20	< 10	30	24	3
J-18-11	588392	A18-03203	87.35	88.35	1.00	99.7	< 1	259	5	< 20	< 1	< 20	< 10	< 30	24	4
J-18-11	588393	A18-03203	88.35	89.60	1.25	98.78	< 1	207	< 5	< 20	< 1	< 20	< 10	40	28	4
J-18-11	588394	A18-03203	89.60	90.20	0.60	98.85	16	23	114	190	23	70	40	100	22	3
J-18-11	588395	A18-03203	90.20	91.00	0.80	98.18	< 1	265	< 5	< 20	< 1	< 20	20	40	27	3
J-18-11	588397	A18-03203	91.00	92.00	1.00	98.93	6	97	41	80	8	30	< 10	50	35	3
J-18-11	588398	A18-03203	92.00	93.00	1.00	99.91	16	16	116	200	23	70	40	90	22	3
J-18-11	588399	A18-03203	93.00	94.00	1.00	98.39	21	4	149	200	28	80	60	90	20	2
J-18-11	588401	A18-03203	111.18	111.56	0.38	98.46	7	47	53	100	12	30	< 10	50	22	4
J-18-12	588402	A18-03395	7.70	8.03	0.33	98.64	3	139	23	50	5	< 20	< 10	< 30	25	3
J-18-12	588403	A18-03395	60.20	60.40	0.20	98.73	4	90	31	60	6	20	30	30	22	2
J-18-12	588404	A18-03395	70.20	71.20	1.00	100.5	15	2	114	200	22	80	80	60	18	2
J-18-12	588405	A18-03395	71.20	72.20	1.00	98.98	14	9	105	190	21	70	30	40	19	2
J-18-12	588406	A18-03395	72.20	73.00	0.80	99.54	< 1	59	< 5	< 20	< 1	< 20	20	< 30	20	4
J-18-12	588407	A18-03395	73.00	74.00	1.00	98.47	< 1	172	< 5	< 20	< 1	< 20	< 10	350	32	4
J-18-12	588408	A18-03395	74.00	75.00	1.00	99.54	< 1	189	< 5	< 20	< 1	< 20	< 10	50	28	4
J-18-12	588409	A18-03395	75.00	76.00	1.00	98.93	< 1	141	< 5	< 20	< 1	< 20	< 10	30	32	4
J-18-12	588411	A18-03395	76.00	77.00	1.00	97.7	< 1	304	< 5	30	< 1	< 20	< 10	450	32	3
J-18-12	588412	A18-03395	77.00	78.00	1.00	96.76	< 1	130	< 5	20	< 1	< 20	< 10	40	36	4
J-18-12	588413	A18-03395	78.00	79.00	1.00	99.51	< 1	177	< 5	< 20	< 1	< 20	< 10	40	30	4
J-18-12	588414	A18-03395	79.00	80.00	1.00	99.4	< 1	180	6	20	< 1	< 20	< 10	90	31	3
J-18-12	588415	A18-03395	80.00	81.00	1.00	97.06	< 1	998	5	40	< 1	< 20	< 10	80	37	3
J-18-12	588417	A18-03395	81.00	82.00	1.00	99.41	< 1	94	< 5	< 20	< 1	< 20	20	70	30	4
J-18-12	588418	A18-03395	82.00	83.00	1.00	99.84	1	423	11	30	1	< 20	< 10	40	35	3
J-18-12	588419	A18-03395	83.00	84.00	1.00	99.27	< 1	181	< 5	< 20	< 1	< 20	< 10	< 30	24	3
J-18-12	588421	A18-03395	84.00	85.00	1.00	99.82	< 1	142	< 5	< 20	2	< 20	< 10	< 30	24	3
J-18-12	588422	A18-03395	85.00	86.00	1.00	99.41	< 1	124	< 5	20	1	< 20	90	60	29	3
J-18-12	588423	A18-03395	86.00	87.00	1.00	99.85	< 1	149	< 5	< 20	< 1	< 20	10	< 30	27	4
J-18-12	588424	A18-03395	87.00	88.00	1.00	100.6	< 1	163	< 5	< 20	2	< 20	10	< 30	39	4
J-18-12	588425	A18-03395	88.00	89.00	1.00	98.91	< 1	179	< 5	< 20	1	< 20	20	< 30	31	3
J-18-12	588426	A18-03395	89.00	90.00	1.00	98.7	< 1	204	< 5	< 20	2	< 20	20	< 30	27	3
J-18-12	588427	A18-03395	90.00	91.00	1.00	99.21	< 1	211	< 5	20	1	< 20	< 10	< 30	27	3
J-18-12	588428	A18-03395	91.00	92.00	1.00	98.95	< 1	174	< 5	20	< 1	< 20	< 10	< 30	24	3
J-18-12	588429	A18-03395	92.00	93.00	1.00	98.83	< 1	238	< 5	< 20	< 1	< 20	20	30	26	4
J-18-12	588431	A18-03395	93.00	94.00	1.00	99.73	< 1	138	< 5	< 20	1	< 20	10	< 30	39	4
J-18-12	588432	A18-03395	94.00	95.00	1.00	99.56	< 1	149	< 5	20	1	< 20	10	< 30	30	3

BHID	Sample	Lab Ref	From_m	To_m	Int_m	Total %	Sc ppm	Be ppm	V ppm	Cr ppm	Co ppm	Ni ppm	Cu ppm	Zn ppm	Ga ppm	Ge ppm
J-18-12	588433	A18-03395	95.00	96.50	1.50	99.88	< 1	188	< 5	20	1	< 20	20	< 30	28	4
J-18-12	588434	A18-03395	96.50	97.50	1.00	99.55	16	23	113	230	23	100	10	60	26	2
J-18-12	588435	A18-03395	97.50	98.50	1.00	98.34	14	6	114	160	20	60	40	60	16	2
J-18-13	588437	A18-03395	63.40	64.40	1.00	98.84	15	3	117	150	22	70	30	110	18	2
J-18-13	588438	A18-03395	64.40	65.40	1.00	98.83	17	8	124	150	22	70	10	70	19	2
J-18-13	588439	A18-03395	65.40	66.00	0.60	99.36	< 1	197	< 5	< 20	< 1	< 20	< 10	< 30	28	3
J-18-13	588441	A18-03395	66.00	67.00	1.00	99.29	< 1	93	< 5	< 20	< 1	< 20	< 10	60	26	4
J-18-13	588442	A18-03395	67.00	68.00	1.00	99.25	< 1	232	< 5	20	< 1	< 20	< 10	< 30	31	4
J-18-13	588443	A18-03395	68.00	69.00	1.00	99.32	< 1	140	< 5	30	< 1	< 20	< 10	40	29	3
J-18-13	588444	A18-03395	69.00	70.00	1.00	98.95	< 1	247	< 5	30	< 1	< 20	< 10	120	36	4
J-18-13	588445	A18-03395	70.00	71.00	1.00	99.13	< 1	226	< 5	< 20	< 1	< 20	< 10	< 30	32	3
J-18-13	588446	A18-03395	71.00	72.00	1.00	99.9	< 1	159	< 5	30	< 1	< 20	< 10	< 30	27	3
J-18-13	588447	A18-03395	72.00	73.00	1.00	99.49	< 1	233	< 5	30	< 1	< 20	10	80	33	3
J-18-13	588448	A18-03395	73.00	74.00	1.00	99.58	< 1	314	< 5	30	< 1	< 20	10	< 30	29	3
J-18-13	588449	A18-03395	74.00	75.00	1.00	98.52	< 1	161	< 5	20	< 1	< 20	< 10	40	28	4
J-18-13	588451	A18-03395	75.00	76.00	1.00	98.35	< 1	159	< 5	< 20	< 1	< 20	< 10	< 30	23	3
J-18-13	588452	A18-03395	76.00	77.00	1.00	99.74	< 1	152	< 5	20	< 1	< 20	< 10	< 30	26	4
J-18-13	588453	A18-03395	77.00	78.03	1.03	99.04	< 1	184	< 5	20	< 1	< 20	< 10	< 30	27	3
J-18-13	588454	A18-03395	78.03	79.03	1.00	98.43	20	27	144	180	27	90	80	80	21	2
J-18-13	588455	A18-03395	79.03	80.03	1.00	99.01	21	2	153	180	28	80	60	90	21	2
J-18-13	588457	A18-03395	230.65	231.65	1.00	98.86	17	4	143	120	29	50	40	110	21	3
J-18-13	588458	A18-03395	231.65	232.65	1.00	98.85	17	3	162	120	33	60	40	120	22	4
J-18-13	588459	A18-03395	232.65	233.65	1.00	97.11	< 1	11	< 5	30	< 1	< 20	< 10	< 30	42	6
J-18-13	588461	A18-03395	233.65	235.00	1.35	99.06	9	32	74	80	15	30	30	100	29	5
J-18-13	588462	A18-03395	235.00	236.00	1.00	94.7	< 1	33	< 5	40	< 1	< 20	< 10	< 30	49	8
J-18-13	588463	A18-03395	236.00	237.00	1.00	94.43	< 1	3	< 5	40	< 1	< 20	< 10	210	51	7
J-18-13	588464	A18-03395	237.00	237.65	0.65	96.47	< 1	58	< 5	40	< 1	< 20	< 10	< 30	39	5
J-18-13	588465	A18-03395	237.65	238.65	1.00	100.3	16	4	164	130	32	60	30	110	21	3
J-18-13	588466	A18-03395	238.65	239.65	1.00	99.95	17	1	181	120	37	70	40	110	21	3
J-18-14	588468	A18-03395	8.75	9.75	1.00	99.55	14	4	103	160	19	50	50	70	18	2
J-18-14	588469	A18-03395	9.75	10.75	1.00	99.19	< 1	47	8	30	1	< 20	< 10	< 30	30	3
J-18-14	588471	A18-03395	10.75	11.90	1.15	99.38	< 1	187	< 5	< 20	< 1	< 20	< 10	< 30	24	4
J-18-14	588472	A18-03395	11.90	12.90	1.00	99.76	13	6	97	160	19	50	60	60	19	2
J-18-14	588473	A18-03395	12.90	13.90	1.00	98.73	15	2	114	170	23	80	50	80	18	1
J-18-14	588474	A18-03395	82.70	83.70	1.00	98.61	17	4	124	170	23	70	60	70	20	2
J-18-14	588475	A18-03395	83.70	84.70	1.00	99.11	15	21	112	180	21	70	40	60	21	2
J-18-14	588477	A18-03395	84.70	85.70	1.00	98.52	< 1	113	11	30	1	< 20	< 10	< 30	28	4
J-18-14	588478	A18-03395	85.70	86.70	1.00	99.21	< 1	177	< 5	< 20	< 1	< 20	< 10	30	28	3
J-18-14	588479	A18-03395	86.70	87.70	1.00	98.6	< 1	141	< 5	20	< 1	< 20	< 10	40	27	3
J-18-14	588481	A18-03395	87.70	88.70	1.00	99.28	< 1	194	< 5	< 20	< 1	< 20	< 10	30	32	4
J-18-14	588482	A18-03395	88.70	89.70	1.00	99.63	< 1	81	< 5	20	< 1	< 20	< 10	40	26	3

BHID	Sample	Lab Ref	From_m	To_m	Int_m	Total %	Sc ppm	Be ppm	V ppm	Cr ppm	Co ppm	Ni ppm	Cu ppm	Zn ppm	Ga ppm	Ge ppm
J-18-14	588483	A18-03395	89.70	90.60	0.90	98.91	< 1	205	< 5	20	< 1	< 20	< 10	< 30	30	3
J-18-14	588484	A18-03395	90.60	91.60	1.00	99.55	14	6	111	200	21	70	40	70	19	2
J-18-14	588485	A18-03395	91.60	92.60	1.00	98.72	16	2	118	210	29	70	120	120	18	1
J-18-14	588486	A18-03395	102.40	102.85	0.45	99.52	< 1	368	< 5	< 20	< 1	< 20	< 10	< 30	25	4
J-18-14	588487	A18-03395	104.10	105.10	1.00	98.3	18	7	136	190	25	90	60	70	21	2
J-18-14	588488	A18-03395	105.10	106.45	1.35	99.03	< 1	179	6	< 20	< 1	< 20	< 10	< 30	32	3
J-18-14	588489	A18-03395	106.45	107.45	1.00	99.14	13	7	99	190	20	70	20	60	19	2
J-18-15	588491	A18-06153	22.35	23.35	1.00	98.13	29	33	227	180	45	110	230	110	24	3
J-18-15	588492	A18-06153	23.35	23.75	0.40	98.53	5	8	23	60	6	30	20	70	33	3
J-18-15	588493	A18-06153	23.75	24.75	1.00	98.75	21	13	144	230	32	110	110	160	23	3
J-18-15	588494	A18-06153	26.67	27.67	1.00	98.48	21	5	148	180	26	100	60	170	22	2
J-18-15	588495	A18-06153	27.67	28.67	1.00	98.54	19	14	134	160	21	70	20	40	18	2
J-18-15	588497	A18-06153	28.67	30.00	1.33	100.9	2	147	26	30	3	< 20	10	< 30	29	3
J-18-15	588498	A18-06153	30.00	31.00	1.00	100.9	< 1	167	< 5	< 20	< 1	< 20	< 10	< 30	27	3
J-18-15	588499	A18-06153	31.00	32.00	1.00	100.8	< 1	199	6	< 20	1	< 20	< 10	< 30	34	3
J-18-15	788001	A18-06153	32.00	33.11	1.11	98.05	< 1	134	< 5	< 20	2	< 20	20	< 30	22	3
J-18-15	788002	A18-06153	33.11	34.11	1.00	99.44	38	2	325	140	53	90	170	110	19	2
J-18-15	788003	A18-06153	34.11	35.11	1.00	98.88	36	0.5	311	140	49	120	150	80	19	1
J-18-15	788004	A18-06153	43.46	44.46	1.00	98.72	36	0.5	317	130	52	110	190	110	19	1
J-18-15	788005	A18-06153	44.46	45.46	1.00	98.68	36	0.5	319	140	52	120	190	110	19	2
J-18-15	788006	A18-06153	45.46	46.00	0.54	99.81	< 1	199	< 5	< 20	2	< 20	10	< 30	36	3
J-18-15	788007	A18-06153	46.00	47.00	1.00	98.46	< 1	303	< 5	< 20	< 1	< 20	< 10	< 30	33	4
J-18-15	788008	A18-06153	47.00	48.00	1.00	98.34	< 1	302	< 5	< 20	< 1	< 20	< 10	30	35	4
J-18-15	788009	A18-06153	48.00	49.00	1.00	98.65	< 1	186	< 5	< 20	< 1	< 20	< 10	30	36	4
J-18-15	788011	A18-06153	49.00	50.00	1.00	98.62	< 1	168	< 5	< 20	< 1	< 20	< 10	40	40	3
J-18-15	788012	A18-06153	50.00	51.00	1.00	98.93	< 1	284	< 5	< 20	< 1	< 20	< 10	30	33	3
J-18-15	788013	A18-06153	51.00	52.00	1.00	98.44	4	133	31	< 20	5	< 20	20	40	34	3
J-18-15	788014	A18-06153	52.00	53.00	1.00	98.69	< 1	113	< 5	< 20	< 1	< 20	< 10	80	32	4
J-18-15	788015	A18-06153	53.00	54.00	1.00	97.45	< 1	151	< 5	< 20	2	< 20	< 10	30	37	4
J-18-15	788017	A18-06153	54.00	55.18	1.18	98.63	2	114	13	< 20	4	< 20	< 10	< 30	32	4
J-18-15	788018	A18-06153	55.18	56.18	1.00	99.5	11	75	86	130	17	80	110	80	27	3
J-18-15	788019	A18-06153	56.18	57.18	1.00	98.65	19	6	148	160	24	90	60	50	18	1
J-18-15	788021	A18-06153	57.75	58.75	1.00	98.85	23	6	189	180	34	110	110	90	20	2
J-18-15	788022	A18-06153	58.75	59.75	1.00	98.51	15	12	120	150	21	90	80	90	21	2
J-18-15	788023	A18-06153	59.75	61.00	1.25	100.2	< 1	148	< 5	< 20	< 1	< 20	< 10	< 30	35	4
J-18-15	788024	A18-06153	61.00	62.00	1.00	97.15	< 1	162	< 5	< 20	< 1	< 20	< 10	60	38	4
J-18-15	788025	A18-06153	62.00	63.00	1.00	97.01	< 1	122	< 5	< 20	< 1	30	< 10	70	41	4
J-18-15	788026	A18-06153	63.00	64.00	1.00	99.49	< 1	198	< 5	< 20	< 1	< 20	< 10	30	30	4
J-18-15	788027	A18-06153	64.00	65.33	1.33	98.35	< 1	210	< 5	< 20	< 1	< 20	< 10	40	39	4
J-18-15	788028	A18-06153	65.33	66.33	1.00	98.67	7	6	80	30	17	< 20	20	110	24	2
J-18-15	788029	A18-06153	66.33	67.33	1.00	99.81	5	14	57	30	12	< 20	40	100	22	2

BHID	Sample	Lab Ref	From_m	To_m	Int_m	Total %	Sc ppm	Be ppm	V ppm	Cr ppm	Co ppm	Ni ppm	Cu ppm	Zn ppm	Ga ppm	Ge ppm
J-18-15	788031	A18-06153	89.26	90.26	1.00	98.19	16	3	163	190	33	70	40	110	23	4
J-18-15	788032	A18-06153	90.26	91.26	1.00	98.77	14	9	154	160	31	60	30	110	25	4
J-18-15	788033	A18-06153	91.26	92.25	0.99	98.69	< 1	191	< 5	< 20	< 1	< 20	< 10	40	31	3
J-18-15	788034	A18-06153	92.25	93.25	1.00	98.67	< 1	48	9	< 20	< 1	< 20	< 10	< 30	25	4
J-18-15	788035	A18-06153	93.25	94.25	1.00	100.3	< 1	14	< 5	< 20	< 1	< 20	< 10	< 30	21	4
J-18-15	788037	A18-06153	94.25	95.25	1.00	98.41	< 1	73	< 5	< 20	< 1	< 20	< 10	< 30	18	4
J-18-15	788038	A18-06153	95.25	96.25	1.00	98.74	< 1	120	< 5	< 20	1	< 20	< 10	50	40	4
J-18-15	788039	A18-06153	96.25	97.25	1.00	98.8	< 1	76	< 5	< 20	< 1	< 20	< 10	< 30	19	4
J-18-15	788041	A18-06153	97.25	98.25	1.00	100.7	< 1	77	< 5	< 20	< 1	< 20	< 10	< 30	22	4
J-18-15	788042	A18-06153	98.25	99.25	1.00	99.36	2	144	16	40	3	< 20	< 10	70	33	3
J-18-15	788043	A18-06153	99.25	100.25	1.00	99.56	< 1	36	10	< 20	1	< 20	< 10	< 30	25	3
J-18-15	788044	A18-06153	100.25	101.25	1.00	99	15	11	118	200	24	80	60	130	18	2
J-18-15	788045	A18-06153	101.25	102.25	1.00	99.65	15	6	115	200	23	80	50	110	17	2
J-18-16	788046	A18-06701	64.90	65.90	1.00	100.3	23	2	192	180	34	90	100	100	19	1
J-18-16	788047	A18-06701	65.90	66.90	1.00	100.3	26	3	211	180	38	100	130	100	18	1
J-18-16	788048	A18-06701	66.90	67.90	1.00	99.07	< 1	121	6	30	1	< 20	10	< 30	28	3
J-18-16	788049	A18-06701	67.90	68.90	1.00	98.9	< 1	228	< 5	30	2	< 20	< 10	< 30	28	3
J-18-16	788051	A18-06701	68.90	69.90	1.00	99.25	< 1	245	< 5	30	2	< 20	10	< 30	23	3
J-18-16	788052	A18-06701	69.90	70.50	0.60	100.2	< 1	212	8	40	2	< 20	20	< 30	27	3
J-18-16	788053	A18-06701	70.50	71.50	1.00	99.67	8	3	89	80	16	40	30	80	22	< 1
J-18-16	788054	A18-06701	71.50	72.50	1.00	99.6	11	2	105	110	20	60	30	80	21	1
J-18-17	788055	A18-06701	13.05	14.05	1.00	99.51	26	2	222	150	38	90	110	70	19	1
J-18-17	788057	A18-06701	14.05	15.05	1.00	98.5	15	10	109	160	23	80	20	60	18	2
J-18-17	788058	A18-06701	15.05	16.05	1.00	99.72	3	358	25	30	6	< 20	< 10	< 30	24	3
J-18-17	788059	A18-06701	16.05	17.05	1.00	98.85	5	91	46	40	7	< 20	40	< 30	22	3
J-18-17	788061	A18-06701	17.05	18.05	1.00	100.8	37	8	320	130	50	100	170	90	20	1
J-18-17	788062	A18-06701	18.05	19.05	1.00	100.6	39	0.5	344	140	52	100	190	100	20	1
J-18-17	788063	A18-06701	71.60	72.60	1.00	99.39	19	6	153	190	29	100	60	100	22	2
J-18-17	788064	A18-06701	72.60	73.60	1.00	100.2	15	13	118	240	25	70	50	70	18	2
J-18-17	788065	A18-06701	73.60	74.60	1.00	98.65	< 1	116	< 5	< 20	< 1	< 20	10	< 30	25	4
J-18-17	788066	A18-06701	74.60	75.60	1.00	98.92	< 1	164	< 5	30	< 1	< 20	20	< 30	26	3
J-18-17	788067	A18-06701	75.60	76.45	0.85	98.82	< 1	185	< 5	30	< 1	< 20	10	< 30	29	3
J-18-17	788068	A18-06701	76.45	77.45	1.00	100.5	14	14	110	190	22	70	50	70	18	1
J-18-17	788069	A18-06701	77.45	78.45	1.00	100.2	17	2	138	240	27	100	50	90	20	1
J-18-17	788071	A18-06701	158.28	159.28	1.00	100.6	12	10	100	130	21	90	30	80	22	2
J-18-17	788072	A18-06701	159.28	159.38	0.10	99.78	8	19	70	60	13	40	< 10	110	28	3
J-18-17	788073	A18-06701	159.38	160.38	1.00	99.69	10	6	97	70	18	50	30	70	23	1

BHID	Sample	Lab Ref	From_m	To_m	Int_m	As_ppm	Rb_ppm	Sr_ppm	Y_ppm	Zr_ppm	Nb_ppm	Mo_ppm	Ag_ppm	In_ppm	Sn_ppm	Sb_ppm
J-17-01	588001	A17-14654	29.45	30.45	1.00	< 5	301.00	235	16	115	4.00	< 2	0.6	< 0.2	10	< 0.5
J-17-01	588002	A17-14654	30.45	31.45	1.00	< 5	338.00	241	13	123	5.00	2	< 0.5	< 0.2	19	< 0.5
J-17-01	588003	A17-14654	31.45	33.00	1.55	< 5	250.00	18	< 2	5	36.00	< 2	< 0.5	< 0.2	77	< 0.5
J-17-01	588004	A17-14654	33.00	34.00	1.00	< 5	953.00	50	< 2	5	28.00	< 2	< 0.5	< 0.2	79	< 0.5
J-17-01	588005	A17-14654	34.00	35.00	1.00	< 5	764.00	36	< 2	4	27.00	< 2	< 0.5	< 0.2	36	< 0.5
J-17-01	588006	A17-14654	35.00	36.00	1.00	< 5	1250.00	43	< 2	5	46.00	< 2	< 0.5	< 0.2	56	< 0.5
J-17-01	588007	A17-14654	36.00	37.00	1.00	< 5	627.00	34	< 2	9	39.00	< 2	< 0.5	< 0.2	79	< 0.5
J-17-01	588008	A17-14654	37.00	38.00	1.00	< 5	771.00	57	< 2	< 4	11.00	< 2	< 0.5	< 0.2	51	< 0.5
J-17-01	588009	A17-14654	38.00	39.00	1.00	< 5	1240.00	62	< 2	< 4	5.00	< 2	< 0.5	< 0.2	23	< 0.5
J-17-01	588011	A17-14654	39.00	40.00	1.00	< 5	1560.00	51	< 2	6	7.00	< 2	< 0.5	< 0.2	45	< 0.5
J-17-01	588012	A17-14654	40.00	41.00	1.00	< 5	592.00	32	4	12	8.00	< 2	< 0.5	< 0.2	30	< 0.5
J-17-01	588013	A17-14654	41.00	42.00	1.00	< 5	752.00	29	4	14	49.00	< 2	< 0.5	< 0.2	150	< 0.5
J-17-01	588014	A17-14654	42.00	43.00	1.00	< 5	1720.00	44	< 2	5	31.00	< 2	< 0.5	< 0.2	55	< 0.5
J-17-01	588015	A17-14654	43.00	44.00	1.00	< 5	1720.00	39	< 2	5	41.00	< 2	< 0.5	< 0.2	34	< 0.5
J-17-01	588017	A17-14654	44.00	45.00	1.00	< 5	995.00	27	< 2	4	24.00	< 2	< 0.5	< 0.2	49	< 0.5
J-17-01	588018	A17-14654	45.00	46.00	1.00	< 5	886.00	28	< 2	13	52.00	< 2	< 0.5	< 0.2	83	< 0.5
J-17-01	588019	A17-14654	46.00	47.00	1.00	< 5	655.00	169	13	104	10.00	< 2	< 0.5	< 0.2	54	< 0.5
J-17-01	588021	A17-14654	47.00	48.00	1.00	< 5	215.00	203	14	140	6.00	< 2	0.6	< 0.2	4	< 0.5
J-17-01	588022	A17-14654	70.45	71.45	1.00	< 5	112.00	310	18	141	6.00	< 2	0.6	< 0.2	3	< 0.5
J-17-01	588023	A17-14654	71.45	72.45	1.00	< 5	178.00	262	14	149	8.00	< 2	0.5	< 0.2	31	< 0.5
J-17-01	588024	A17-14654	72.45	74.00	1.55	< 5	1360.00	46	< 2	< 4	14.00	< 2	< 0.5	< 0.2	29	< 0.5
J-17-01	588025	A17-14654	74.00	75.00	1.00	< 5	811.00	52	3	9	19.00	< 2	< 0.5	< 0.2	51	< 0.5
J-17-01	588026	A17-14654	75.00	76.00	1.00	< 5	174.00	264	14	148	7.00	< 2	< 0.5	< 0.2	18	< 0.5
J-17-01	588027	A17-14654	76.00	77.00	1.00	< 5	190.00	343	14	145	5.00	< 2	0.5	< 0.2	3	< 0.5
J-17-01	588028	A17-14654	88.47	89.47	1.00	< 5	393.00	309	11	132	8.00	< 2	< 0.5	< 0.2	35	< 0.5
J-17-01	588029	A17-14654	89.47	90.47	1.00	< 5	323.00	321	13	160	14.00	< 2	< 0.5	< 0.2	88	< 0.5
J-17-01	588031	A17-14654	90.47	92.00	1.53	< 5	696.00	41	< 2	11	34.00	< 2	< 0.5	< 0.2	65	< 0.5
J-17-01	588032	A17-14654	92.00	93.27	1.27	< 5	813.00	35	< 2	6	26.00	< 2	< 0.5	< 0.2	86	< 0.5
J-17-01	588033	A17-14654	93.27	94.27	1.00	< 5	303.00	342	15	146	7.00	< 2	< 0.5	< 0.2	21	< 0.5
J-17-01	588034	A17-14654	94.27	95.27	1.00	< 5	143.00	428	14	157	6.00	< 2	0.6	< 0.2	1	< 0.5
J-18-01	588035	A18-01245	67.45	68.45	1.00	< 5	552.00	253	13	124	6.00	< 2	< 0.5	< 0.2	25	< 0.5
J-18-01	588036	A18-01245	68.45	69.45	1.00	< 5	828.00	304	13	144	9.00	< 2	< 0.5	< 0.2	53	< 0.5
J-18-01	588037	A18-01245	69.45	69.95	0.50	< 5	767.00	164	8	66	30.00	< 2	< 0.5	< 0.2	129	< 0.5
J-18-01	588038	A18-01245	69.95	71.00	1.05	< 5	492.00	25	< 2	5	22.00	< 2	< 0.5	< 0.2	61	< 0.5
J-18-01	588039	A18-01245	71.00	72.00	1.00	< 5	293.00	16	< 2	8	23.00	< 2	< 0.5	< 0.2	34	< 0.5
J-18-01	588041	A18-01245	72.00	73.00	1.00	< 5	898.00	43	2	8	18.00	< 2	< 0.5	< 0.2	38	< 0.5
J-18-01	588042	A18-01245	73.00	74.00	1.00	< 5	2030.00	38	< 2	< 4	15.00	< 2	< 0.5	< 0.2	22	< 0.5
J-18-01	588043	A18-01245	74.00	75.00	1.00	< 5	668.00	25	< 2	5	21.00	< 2	< 0.5	< 0.2	48	< 0.5
J-18-01	588044	A18-01245	75.00	76.00	1.00	< 5	682.00	24	< 2	4	21.00	< 2	< 0.5	< 0.2	45	< 0.5
J-18-01	588045	A18-01245	76.00	77.00	1.00	< 5	1240.00	32	< 2	5	10.00	< 2	< 0.5	< 0.2	19	< 0.5
J-18-01	588046	A18-01245	77.00	78.00	1.00	< 5	913.00	33	< 2	< 4	8.00	< 2	< 0.5	< 0.2	27	< 0.5

BHID	Sample	Lab Ref	From_m	To_m	Int_m	As_ppm	Rb_ppm	Sr_ppm	Y_ppm	Zr_ppm	Nb_ppm	Mo_ppm	Ag_ppm	In_ppm	Sn_ppm	Sb_ppm
J-18-01	588047	A18-01245	78.00	79.00	1.00	< 5	1270.00	38	< 2	< 4	7.00	< 2	< 0.5	< 0.2	20	< 0.5
J-18-01	588048	A18-01245	79.00	80.00	1.00	< 5	748.00	35	< 2	< 4	4.00	< 2	< 0.5	< 0.2	23	< 0.5
J-18-01	588049	A18-01245	80.00	81.57	1.57	< 5	566.00	27	< 2	< 4	19.00	< 2	< 0.5	< 0.2	34	< 0.5
J-18-01	588051	A18-01245	81.57	83.00	1.43	< 5	518.00	245	16	111	5.00	< 2	< 0.5	< 0.2	15	< 0.5
J-18-01	588052	A18-01245	83.00	84.00	1.00	< 5	732.00	230	17	116	6.00	< 2	< 0.5	< 0.2	26	< 0.5
J-18-01	588053	A18-01245	84.00	85.00	1.00	< 5	553.00	23	14	13	31.00	< 2	< 0.5	< 0.2	54	< 0.5
J-18-01	588054	A18-01245	85.00	86.00	1.00	< 5	939.00	33	< 2	< 4	20.00	< 2	< 0.5	< 0.2	52	< 0.5
J-18-01	588055	A18-01245	86.00	87.00	1.00	< 5	517.00	23	< 2	< 4	26.00	< 2	< 0.5	< 0.2	44	< 0.5
J-18-01	588057	A18-01245	87.00	88.35	1.35	< 5	602.00	34	3	8	26.00	< 2	< 0.5	< 0.2	74	< 0.5
J-18-01	588058	A18-01245	88.35	89.35	1.00	< 5	872.00	238	19	122	7.00	< 2	< 0.5	< 0.2	22	< 0.5
J-18-01	588059	A18-01245	89.35	90.35	1.00	< 5	705.00	210	17	113	5.00	< 2	< 0.5	< 0.2	6	< 0.5
J-18-02	588061	A18-01245	78.45	79.45	1.00	< 5	161.00	268	18	132	7.00	8	1	< 0.2	4	< 0.5
J-18-02	588062	A18-01245	79.45	80.45	1.00	< 5	511.00	286	14	136	7.00	< 2	0.6	< 0.2	19	< 0.5
J-18-02	588063	A18-01245	80.45	82.00	1.55	< 5	681.00	35	< 2	7	46.00	< 2	< 0.5	< 0.2	32	< 0.5
J-18-02	588064	A18-01245	82.00	83.00	1.00	< 5	1130.00	31	< 2	10	40.00	< 2	< 0.5	< 0.2	45	< 0.5
J-18-02	588065	A18-01245	83.00	84.00	1.00	< 5	1340.00	34	2	6	32.00	< 2	< 0.5	< 0.2	57	< 0.5
J-18-02	588066	A18-01245	84.00	85.00	1.00	< 5	809.00	27	3	11	55.00	< 2	< 0.5	< 0.2	65	< 0.5
J-18-02	588067	A18-01245	85.00	86.00	1.00	< 5	606.00	21	< 2	6	31.00	< 2	< 0.5	< 0.2	44	< 0.5
J-18-02	588068	A18-01245	86.00	87.00	1.00	< 5	1180.00	33	3	9	58.00	< 2	< 0.5	< 0.2	51	< 0.5
J-18-02	588069	A18-01245	87.00	88.00	1.00	< 5	459.00	23	< 2	10	35.00	< 2	< 0.5	< 0.2	31	< 0.5
J-18-02	588071	A18-01245	88.00	89.00	1.00	< 5	698.00	22	< 2	12	44.00	< 2	< 0.5	< 0.2	23	< 0.5
J-18-02	588072	A18-01245	89.00	90.00	1.00	< 5	756.00	21	< 2	12	38.00	< 2	< 0.5	< 0.2	42	< 0.5
J-18-02	588073	A18-01245	90.00	91.00	1.00	< 5	651.00	23	< 2	13	36.00	< 2	< 0.5	< 0.2	29	< 0.5
J-18-02	588074	A18-01245	91.00	92.00	1.00	< 5	703.00	21	< 2	11	38.00	< 2	< 0.5	< 0.2	41	< 0.5
J-18-02	588075	A18-01245	92.00	93.00	1.00	< 5	1020.00	26	< 2	< 4	16.00	< 2	< 0.5	< 0.2	46	< 0.5
J-18-02	588077	A18-01245	93.00	94.00	1.00	< 5	1250.00	35	< 2	< 4	20.00	< 2	< 0.5	< 0.2	46	< 0.5
J-18-02	588078	A18-01245	94.00	95.00	1.00	< 5	988.00	29	< 2	6	19.00	< 2	< 0.5	< 0.2	36	< 0.5
J-18-02	588079	A18-01245	95.00	96.00	1.00	< 5	982.00	33	< 2	10	43.00	< 2	< 0.5	< 0.2	54	< 0.5
J-18-02	588081	A18-01245	96.00	97.00	1.00	< 5	801.00	29	< 2	9	38.00	< 2	< 0.5	< 0.2	43	< 0.5
J-18-02	588082	A18-01245	97.00	98.00	1.00	< 5	904.00	38	< 2	5	16.00	< 2	< 0.5	< 0.2	35	< 0.5
J-18-02	588083	A18-01245	98.00	99.00	1.00	< 5	896.00	41	< 2	< 4	20.00	< 2	< 0.5	< 0.2	34	< 0.5
J-18-02	588084	A18-01245	99.00	100.00	1.00	< 5	666.00	38	< 2	32	14.00	< 2	< 0.5	< 0.2	48	< 0.5
J-18-02	588085	A18-01245	100.00	101.00	1.00	< 5	873.00	41	2	19	35.00	< 2	< 0.5	< 0.2	58	< 0.5
J-18-02	588086	A18-01245	101.00	102.00	1.00	< 5	853.00	43	< 2	8	25.00	< 2	< 0.5	< 0.2	39	< 0.5
J-18-02	588087	A18-01245	102.00	103.00	1.00	< 5	687.00	35	< 2	5	23.00	< 2	< 0.5	< 0.2	38	< 0.5
J-18-02	588088	A18-01245	103.00	104.00	1.00	< 5	1040.00	36	< 2	4	27.00	< 2	< 0.5	< 0.2	37	< 0.5
J-18-02	588089	A18-01245	104.00	105.00	1.00	< 5	672.00	48	4	42	45.00	< 2	< 0.5	< 0.2	58	< 0.5
J-18-02	588091	A18-01245	105.00	106.00	1.00	< 5	853.00	49	< 2	19	14.00	< 2	< 0.5	< 0.2	34	< 0.5
J-18-02	588092	A18-01245	106.00	107.00	1.00	< 5	774.00	58	< 2	15	21.00	< 2	< 0.5	< 0.2	46	< 0.5
J-18-02	588093	A18-01245	107.00	108.00	1.00	< 5	770.00	46	< 2	24	28.00	< 2	< 0.5	< 0.2	82	< 0.5
J-18-02	588094	A18-01245	108.00	109.00	1.00	< 5	1180.00	44	< 2	33	22.00	< 2	< 0.5	< 0.2	28	< 0.5

BHID	Sample	Lab Ref	From_m	To_m	Int_m	As_ppm	Rb_ppm	Sr_ppm	Y_ppm	Zr_ppm	Nb_ppm	Mo_ppm	Ag_ppm	In_ppm	Sn_ppm	Sb_ppm
J-18-02	588095	A18-01245	109.00	110.00	1.00	< 5	540.00	37	< 2	11	34.00	< 2	< 0.5	< 0.2	32	< 0.5
J-18-02	588097	A18-01245	110.00	111.00	1.00	< 5	736.00	96	5	46	44.00	< 2	< 0.5	< 0.2	106	< 0.5
J-18-02	588098	A18-01245	111.00	112.00	1.00	< 5	749.00	84	4	46	31.00	< 2	< 0.5	< 0.2	102	< 0.5
J-18-02	588099	A18-01245	112.00	112.70	0.70	< 5	569.00	33	2	6	43.00	< 2	< 0.5	< 0.2	60	< 0.5
J-18-02	588101	A18-01245	112.70	113.39	0.69	< 5	840.00	205	15	138	13.00	< 2	0.8	< 0.2	65	< 0.5
J-18-02	588102	A18-01245	113.39	113.68	0.29	< 5	210.00	88	5	26	6.00	< 2	< 0.5	< 0.2	19	< 0.5
J-18-02	588103	A18-01245	113.68	114.68	1.00	< 5	492.00	212	12	138	5.00	< 2	0.6	< 0.2	19	< 0.5
J-18-03	588104	A18-01245	8.40	9.40	1.00	< 5	156.00	336	16	147	5.00	2	0.6	< 0.2	< 1	< 0.5
J-18-03	588105	A18-01245	9.40	10.40	1.00	< 5	128.00	362	17	141	6.00	< 2	0.6	< 0.2	< 1	< 0.5
J-18-03	588106	A18-01245	10.40	11.40	1.00	< 5	554.00	63	< 2	8	28.00	2	< 0.5	< 0.2	94	< 0.5
J-18-03	588107	A18-01245	11.40	12.40	1.00	< 5	367.00	60	< 2	13	40.00	2	< 0.5	< 0.2	79	< 0.5
J-18-03	588108	A18-01245	12.40	13.40	1.00	< 5	33.00	25	4	30	33.00	< 2	< 0.5	< 0.2	2	< 0.5
J-18-03	588109	A18-01245	13.40	14.40	1.00	< 5	28.00	29	3	29	31.00	< 2	< 0.5	< 0.2	2	< 0.5
J-18-03	588111	A18-01245	14.40	15.40	1.00	< 5	201.00	33	2	12	28.00	< 2	< 0.5	< 0.2	23	< 0.5
J-18-03	588112	A18-01245	15.40	16.50	1.10	< 5	465.00	29	< 2	15	32.00	< 2	< 0.5	< 0.2	40	< 0.5
J-18-03	588113	A18-01245	16.50	17.50	1.00	< 5	442.00	214	11	155	6.00	< 2	0.5	< 0.2	8	< 0.5
J-18-03	588114	A18-01245	17.50	18.50	1.00	< 5	295.00	196	17	196	6.00	< 2	0.8	< 0.2	3	< 0.5
J-18-03	588115	A18-01245	32.85	33.67	0.82	< 5	356.00	31	3	21	63.00	< 2	< 0.5	< 0.2	27	< 0.5
J-18-03	588117	A18-01245	106.50	107.50	1.00	< 5	211.00	355	16	121	6.00	< 2	< 0.5	< 0.2	1	< 0.5
J-18-03	588118	A18-01245	107.50	108.50	1.00	< 5	332.00	286	12	110	8.00	< 2	< 0.5	< 0.2	17	< 0.5
J-18-03	588119	A18-01245	108.50	109.50	1.00	< 5	479.00	34	5	63	107.00	< 2	< 0.5	< 0.2	81	< 0.5
J-18-03	588121	A18-01245	109.50	110.50	1.00	< 5	644.00	41	< 2	5	26.00	< 2	< 0.5	< 0.2	63	< 0.5
J-18-03	588122	A18-01245	110.50	111.50	1.00	< 5	642.00	52	< 2	8	48.00	< 2	< 0.5	< 0.2	59	< 0.5
J-18-03	588123	A18-01245	111.50	112.50	1.00	< 5	858.00	69	< 2	11	26.00	< 2	< 0.5	< 0.2	46	< 0.5
J-18-03	588124	A18-01245	112.50	113.20	0.70	< 5	555.00	81	4	18	38.00	< 2	< 0.5	< 0.2	48	< 0.5
J-18-03	588125	A18-01245	113.20	114.20	1.00	< 5	1070.00	225	14	175	9.00	< 2	0.7	< 0.2	50	< 0.5
J-18-03	588126	A18-01245	114.20	115.20	1.00	< 5	276.00	257	14	156	6.00	3	0.6	< 0.2	5	< 0.5
J-18-03	588127	A18-01245	117.50	118.50	1.00	< 5	135.00	313	15	148	6.00	3	0.6	< 0.2	1	< 0.5
J-18-03	588128	A18-01245	118.50	119.50	1.00	< 5	202.00	287	14	138	6.00	4	0.5	< 0.2	2	< 0.5
J-18-03	588129	A18-01245	119.50	120.50	1.00	< 5	342.00	262	16	137	6.00	3	< 0.5	< 0.2	5	< 0.5
J-18-03	588131	A18-01245	120.50	121.50	1.00	< 5	983.00	53	4	29	28.00	< 2	< 0.5	< 0.2	90	< 0.5
J-18-03	588132	A18-01245	121.50	122.50	1.00	< 5	1450.00	49	< 2	6	74.00	< 2	< 0.5	< 0.2	92	< 0.5
J-18-03	588133	A18-01245	122.50	123.50	1.00	< 5	722.00	34	3	8	18.00	< 2	< 0.5	< 0.2	46	< 0.5
J-18-03	588134	A18-01245	123.50	124.50	1.00	< 5	325.00	16	6	6	14.00	3	< 0.5	< 0.2	20	< 0.5
J-18-03	588135	A18-01245	124.50	125.20	0.70	< 5	523.00	58	5	22	45.00	2	< 0.5	< 0.2	59	< 0.5
J-18-03	588137	A18-01245	125.20	126.20	1.00	< 5	434.00	187	17	104	5.00	4	< 0.5	< 0.2	36	< 0.5
J-18-03	588138	A18-01245	126.20	127.20	1.00	< 5	117.00	232	17	113	4.00	4	< 0.5	< 0.2	6	< 0.5
J-18-04	588139	A18-01245	2.20	3.00	0.80	< 5	499.00	60	< 2	7	29.00	< 2	< 0.5	< 0.2	86	< 0.5
J-18-04	588141	A18-01245	3.00	4.00	1.00	< 5	434.00	25	< 2	10	46.00	3	< 0.5	< 0.2	92	< 0.5
J-18-04	588142	A18-01245	4.00	5.00	1.00	< 5	533.00	38	2	22	29.00	< 2	< 0.5	< 0.2	78	< 0.5
J-18-04	588143	A18-01245	5.00	6.00	1.00	< 5	1170.00	165	< 2	13	61.00	< 2	< 0.5	< 0.2	78	< 0.5



BHID	Sample	Lab Ref	From m	To m	Int m	As ppm	Rb ppm	Sr ppm	Y ppm	Zr ppm	Nb ppm	Mo ppm	Ag ppm	In ppm	Sn ppm	Sb ppm
J-18-04	588144	A18-01245	6.00	7.00	1.00	< 5	578.00	40	2	5	103.00	< 2	< 0.5	< 0.2	151	< 0.5
J-18-04	588145	A18-01245	7.00	8.00	1.00	< 5	116.00	24	< 2	< 4	6.00	< 2	< 0.5	< 0.2	156	< 0.5
J-18-04	588146	A18-01245	8.00	9.43	1.43	< 5	659.00	35	< 2	14	71.00	< 2	< 0.5	< 0.2	58	< 0.5
J-18-04	588147	A18-01245	9.43	10.43	1.00	< 5	697.00	296	13	130	6.00	< 2	< 0.5	< 0.2	43	< 0.5
J-18-04	588148	A18-01245	10.43	11.43	1.00	< 5	147.00	313	13	103	2.00	< 2	< 0.5	< 0.2	1	< 0.5
J-18-04	588149	A18-01245	120.20	120.42	0.22	< 5	481.00	44	4	10	57.00	< 2	< 0.5	< 0.2	53	< 0.5
J-18-04	588151	A18-01245	150.50	151.50	1.00	< 5	566.00	199	18	112	5.00	3	< 0.5	< 0.2	28	< 0.5
J-18-04	588152	A18-01245	151.50	152.50	1.00	< 5	1040.00	136	17	102	16.00	< 2	< 0.5	< 0.2	167	< 0.5
J-18-04	588153	A18-01245	152.50	154.00	1.50	< 5	1080.00	43	9	49	70.00	< 2	< 0.5	< 0.2	285	< 0.5
J-18-04	588154	A18-01245	154.00	155.00	1.00	< 5	1360.00	27	7	26	80.00	< 2	< 0.5	< 0.2	280	< 0.5
J-18-04	588155	A18-01245	155.00	156.00	1.00	< 5	630.00	26	< 2	5	30.00	< 2	< 0.5	< 0.2	37	< 0.5
J-18-04	588157	A18-01245	156.00	157.00	1.00	< 5	1680.00	52	< 2	< 4	9.00	< 2	< 0.5	< 0.2	40	< 0.5
J-18-04	588158	A18-01245	157.00	158.00	1.00	< 5	1190.00	31	2	6	24.00	< 2	< 0.5	< 0.2	71	< 0.5
J-18-04	588159	A18-01245	158.00	159.00	1.00	< 5	3300.00	62	< 2	< 4	2.00	< 2	< 0.5	< 0.2	7	< 0.5
J-18-04	588161	A18-01245	159.00	160.00	1.00	< 5	1630.00	61	< 2	17	8.00	< 2	< 0.5	< 0.2	27	< 0.5
J-18-04	588162	A18-01245	160.00	161.00	1.00	< 5	1480.00	46	< 2	15	15.00	< 2	< 0.5	< 0.2	83	< 0.5
J-18-04	588163	A18-01245	161.00	162.00	1.00	< 5	1090.00	29	< 2	6	8.00	< 2	< 0.5	< 0.2	36	< 0.5
J-18-04	588164	A18-01245	162.00	163.00	1.00	< 5	2220.00	76	< 2	57	18.00	< 2	< 0.5	< 0.2	64	< 0.5
J-18-04	588165	A18-01245	163.00	164.00	1.00	< 5	1070.00	34	< 2	17	39.00	< 2	< 0.5	< 0.2	28	< 0.5
J-18-04	588166	A18-01245	164.00	165.00	1.00	< 5	1950.00	47	< 2	6	23.00	< 2	< 0.5	< 0.2	34	< 0.5
J-18-04	588167	A18-01245	165.00	166.00	1.00	< 5	293.00	44	< 2	16	31.00	< 2	< 0.5	< 0.2	56	< 0.5
J-18-04	588168	A18-01245	166.00	167.00	1.00	< 5	342.00	37	< 2	14	62.00	< 2	< 0.5	< 0.2	65	< 0.5
J-18-04	588169	A18-01245	167.00	168.00	1.00	< 5	574.00	39	< 2	10	44.00	< 2	< 0.5	< 0.2	48	< 0.5
J-18-04	588171	A18-01245	168.00	168.50	0.50	< 5	585.00	45	< 2	17	71.00	4	< 0.5	< 0.2	85	< 0.5
J-18-04	588172	A18-01245	168.50	168.85	0.35	< 5	285.00	117	18	111	31.00	< 2	< 0.5	< 0.2	113	< 0.5
J-18-04	588173	A18-01245	168.85	169.50	0.65	< 5	1020.00	57	3	33	79.00	5	< 0.5	< 0.2	205	< 0.5
J-18-04	588174	A18-01245	169.50	170.50	1.00	< 5	642.00	159	18	122	11.00	< 2	< 0.5	< 0.2	54	< 0.5
J-18-04	588175	A18-01245	170.50	171.50	1.00	< 5	569.00	208	18	118	7.00	< 2	< 0.5	< 0.2	40	< 0.5
J-18-04	588177	A18-01245	176.00	177.00	1.00	< 5	167.00	172	20	139	5.00	65	0.6	< 0.2	8	< 0.5
J-18-04	588178	A18-01245	177.00	178.00	1.00	< 5	102.00	102	13	28	1.00	9	< 0.5	< 0.2	3	< 0.5
J-18-05	588179	A18-01502	1.00	1.50	0.50	< 5	525.00	42	< 2	7	18.00	< 2	< 0.5	< 0.2	85	< 0.5
J-18-05	588181	A18-01502	1.50	2.50	1.00	< 5	343.00	25	< 2	12	25.00	< 2	< 0.5	< 0.2	56	< 0.5
J-18-05	588182	A18-01502	2.50	3.50	1.00	< 5	390.00	33	3	26	27.00	< 2	< 0.5	< 0.2	28	< 0.5
J-18-05	588183	A18-01502	3.50	4.86	1.36	< 5	752.00	56	2	14	52.00	< 2	< 0.5	< 0.2	35	< 0.5
J-18-05	588184	A18-01502	4.86	5.86	1.00	< 5	646.00	276	13	176	9.00	< 2	< 0.5	< 0.2	17	< 0.5
J-18-05	588185	A18-01502	5.86	6.86	1.00	< 5	286.00	306	15	184	5.00	< 2	< 0.5	< 0.2	2	< 0.5
J-18-05	588186	A18-01502	22.80	23.45	0.65	< 5	245.00	32	2	9	170.00	< 2	< 0.5	< 0.2	33	< 0.5
J-18-05	588187	A18-01502	69.55	70.40	0.85	< 5	643.00	48	< 2	6	30.00	< 2	< 0.5	< 0.2	94	< 0.5
J-18-05	588188	A18-01502	87.33	88.33	1.00	< 5	40.00	178	21	75	5.00	< 2	< 0.5	< 0.2	< 1	< 0.5
J-18-05	588189	A18-01502	88.33	89.33	1.00	< 5	21.00	155	20	78	5.00	< 2	< 0.5	< 0.2	3	< 0.5
J-18-05	588191	A18-01502	89.33	90.50	1.17	< 5	713.00	114	< 2	6	16.00	< 2	< 0.5	< 0.2	48	< 0.5

BHID	Sample	Lab Ref	From_m	To_m	Int_m	As_ppm	Rb_ppm	Sr_ppm	Y_ppm	Zr_ppm	Nb_ppm	Mo_ppm	Ag_ppm	In_ppm	Sn_ppm	Sb_ppm
J-18-05	588192	A18-01502	90.50	91.50	1.00	< 5	341.00	128	< 2	9	26.00	< 2	< 0.5	< 0.2	32	< 0.5
J-18-05	588193	A18-01502	91.50	92.50	1.00	< 5	791.00	114	< 2	< 4	25.00	< 2	< 0.5	< 0.2	54	< 0.5
J-18-05	588194	A18-01502	92.50	93.50	1.00	< 5	1110.00	68	< 2	< 4	26.00	< 2	< 0.5	< 0.2	51	< 0.5
J-18-05	588195	A18-01502	93.50	94.50	1.00	< 5	964.00	60	< 2	9	27.00	< 2	< 0.5	< 0.2	39	< 0.5
J-18-05	588197	A18-01502	94.50	95.50	1.00	< 5	1570.00	66	< 2	8	87.00	< 2	< 0.5	< 0.2	39	< 0.5
J-18-05	588198	A18-01502	95.50	96.50	1.00	< 5	585.00	29	< 2	7	88.00	< 2	< 0.5	< 0.2	59	< 0.5
J-18-05	588199	A18-01502	96.50	97.50	1.00	< 5	1300.00	46	< 2	4	46.00	4	< 0.5	< 0.2	66	< 0.5
J-18-05	588201	A18-01502	97.50	98.50	1.00	< 5	644.00	35	< 2	5	48.00	< 2	< 0.5	< 0.2	54	< 0.5
J-18-05	588202	A18-01502	98.50	99.50	1.00	< 5	746.00	44	< 2	9	47.00	< 2	< 0.5	< 0.2	71	< 0.5
J-18-05	588203	A18-01502	99.50	100.70	1.20	< 5	598.00	40	< 2	12	57.00	< 2	< 0.5	< 0.2	56	< 0.5
J-18-05	588204	A18-01502	100.70	101.70	1.00	< 5	162.00	223	12	120	7.00	< 2	< 0.5	< 0.2	33	< 0.5
J-18-05	588205	A18-01502	101.70	102.70	1.00	< 5	272.00	200	12	110	20.00	2	< 0.5	< 0.2	39	< 0.5
J-18-05	588206	A18-01502	121.75	122.75	1.00	< 5	202.00	177	12	193	6.00	< 2	< 0.5	< 0.2	6	< 0.5
J-18-05	588207	A18-01502	122.75	123.75	1.00	< 5	151.00	176	11	118	17.00	< 2	< 0.5	< 0.2	30	< 0.5
J-18-05	588208	A18-01502	123.75	124.75	1.00	< 5	158.00	31	< 2	6	12.00	< 2	< 0.5	< 0.2	31	< 0.5
J-18-05	588209	A18-01502	124.75	125.60	0.85	< 5	323.00	39	2	10	17.00	< 2	< 0.5	< 0.2	58	< 0.5
J-18-05	588211	A18-01502	125.60	126.60	1.00	< 5	197.00	301	11	148	8.00	< 2	< 0.5	< 0.2	12	< 0.5
J-18-05	588212	A18-01502	126.60	127.60	1.00	< 5	166.00	302	13	157	5.00	2	< 0.5	< 0.2	1	< 0.5
J-18-06	588213	A18-03395	79.80	80.80	1.00	< 5	155.00	208	15	114	5.00	< 2	< 0.5	< 0.2	< 1	< 0.5
J-18-06	588214	A18-03395	80.80	81.80	1.00	< 5	375.00	242	14	115	5.00	2	< 0.5	< 0.2	4	< 0.5
J-18-06	588215	A18-03395	81.80	83.00	1.20	< 5	621.00	66	2	9	36.00	< 2	< 0.5	< 0.2	83	< 0.5
J-18-06	588217	A18-03395	83.00	84.00	1.00	< 5	915.00	39	< 2	9	36.00	< 2	< 0.5	< 0.2	93	< 0.5
J-18-06	588218	A18-03395	84.00	85.00	1.00	< 5	978.00	64	< 2	8	34.00	< 2	< 0.5	< 0.2	70	< 0.5
J-18-06	588219	A18-03395	85.00	86.00	1.00	< 5	918.00	37	2	< 4	43.00	< 2	< 0.5	< 0.2	86	< 0.5
J-18-06	588221	A18-03395	86.00	87.00	1.00	< 5	680.00	27	2	6	24.00	< 2	< 0.5	< 0.2	83	< 0.5
J-18-06	588222	A18-03395	87.00	88.00	1.00	< 5	829.00	122	5	62	24.00	< 2	< 0.5	< 0.2	88	< 0.5
J-18-06	588223	A18-03395	88.00	89.00	1.00	< 5	839.00	163	7	74	28.00	< 2	< 0.5	< 0.2	104	< 0.5
J-18-06	588224	A18-03395	89.00	90.00	1.00	< 5	523.00	34	< 2	16	51.00	< 2	< 0.5	< 0.2	107	< 0.5
J-18-06	588225	A18-03395	90.00	91.00	1.00	< 5	778.00	36	< 2	16	37.00	< 2	< 0.5	< 0.2	73	< 0.5
J-18-06	588226	A18-03395	91.00	92.00	1.00	< 5	589.00	56	< 2	4	13.00	< 2	< 0.5	< 0.2	84	< 0.5
J-18-06	588227	A18-03395	92.00	93.00	1.00	< 5	499.00	36	< 2	5	94.00	< 2	< 0.5	< 0.2	89	< 0.5
J-18-06	588228	A18-03395	93.00	94.00	1.00	< 5	557.00	32	< 2	7	34.00	2	0.5	< 0.2	89	< 0.5
J-18-06	588229	A18-03395	94.00	95.00	1.00	< 5	518.00	33	< 2	4	15.00	< 2	< 0.5	< 0.2	81	< 0.5
J-18-06	588231	A18-03395	95.00	96.00	1.00	< 5	825.00	31	< 2	5	14.00	< 2	< 0.5	< 0.2	51	< 0.5
J-18-06	588232	A18-03395	96.00	97.00	1.00	< 5	853.00	23	< 2	10	32.00	2	< 0.5	< 0.2	45	< 0.5
J-18-06	588233	A18-03395	97.00	98.36	1.36	< 5	1250.00	27	2	12	43.00	< 2	< 0.5	< 0.2	116	< 0.5
J-18-06	588234	A18-03395	98.36	99.36	1.00	< 5	223.00	242	14	124	5.00	< 2	0.5	< 0.2	5	< 0.5
J-18-06	588235	A18-03395	99.36	100.36	1.00	< 5	84.00	287	13	123	5.00	2	< 0.5	< 0.2	1	< 0.5
J-18-07	588237	A18-03203	13.95	14.95	1.00	< 5	110.00	750	17	139	7.00	< 2	< 0.5	< 0.2	3	< 0.5
J-18-07	588238	A18-03203	14.95	15.95	1.00	< 5	195.00	777	18	136	8.00	< 2	0.6	< 0.2	15	< 0.5
J-18-07	588239	A18-03203	15.95	17.00	1.05	< 5	345.00	103	5	6	34.00	< 2	< 0.5	< 0.2	43	< 0.5

BHID	Sample	Lab Ref	From_m	To_m	Int_m	As_ppm	Rb_ppm	Sr_ppm	Y_ppm	Zr_ppm	Nb_ppm	Mo_ppm	Ag_ppm	In_ppm	Sn_ppm	Sb_ppm
J-18-07	588241	A18-03203	17.00	18.00	1.00	< 5	739.00	46	< 2	7	32.00	< 2	< 0.5	< 0.2	54	< 0.5
J-18-07	588242	A18-03203	18.00	19.35	1.35	< 5	928.00	98	3	35	37.00	< 2	< 0.5	0.4	135	< 0.5
J-18-07	588243	A18-03203	19.35	21.00	1.65	< 5	1260.00	265	11	119	36.00	< 2	< 0.5	0.4	126	< 0.5
J-18-07	588244	A18-03203	21.00	21.55	0.55	< 5	226.00	66	3	15	16.00	< 2	< 0.5	< 0.2	30	< 0.5
J-18-07	588245	A18-03203	21.55	22.55	1.00	< 5	346.00	331	13	120	7.00	< 2	< 0.5	< 0.2	12	< 0.5
J-18-07	588246	A18-03203	22.55	23.55	1.00	< 5	153.00	346	14	137	6.00		3 < 0.5	< 0.2	2	< 0.5
J-18-07	588247	A18-03203	111.65	112.65	1.00	< 5	37.00	190	21	92	5.00		3 < 0.5	< 0.2	2	< 0.5
J-18-07	588248	A18-03203	112.65	112.75	0.10	< 5	84.00	251	4	37	72.00		4 < 0.5	< 0.2	9	< 0.5
J-18-07	588249	A18-03203	112.75	113.75	1.00	< 5	102.00	264	15	140	6.00		5	0.8 < 0.2	2	< 0.5
J-18-08	588251	A18-03395	17.17	18.17	1.00	< 5	154.00	280	14	143	5.00		2	0.6 < 0.2	3	< 0.5
J-18-08	588252	A18-03395	18.17	19.17	1.00	< 5	350.00	248	11	133	5.00		3	0.5 < 0.2	10	< 0.5
J-18-08	588253	A18-03395	19.17	20.00	0.83	< 5	1790.00	39	< 2	4	55.00	< 2	< 0.5	< 0.2	25	< 0.5
J-18-08	588254	A18-03395	20.00	21.00	1.00	< 5	923.00	25	< 2	9	81.00	< 2	< 0.5	< 0.2	65	< 0.5
J-18-08	588255	A18-03395	21.00	22.10	1.10	< 5	829.00	35	< 2	18	34.00	< 2	< 0.5	< 0.2	40	< 0.5
J-18-08	588257	A18-03395	22.10	23.10	1.00	< 5	913.00	265	12	148	13.00		4	0.5 < 0.2	59	< 0.5
J-18-08	588258	A18-03395	23.10	24.30	1.20	< 5	824.00	240	13	130	18.00	< 2	< 0.5	< 0.2	62	< 0.5
J-18-08	588259	A18-03395	24.30	25.00	0.70	< 5	1430.00	44	< 2	4	19.00	< 2	< 0.5	< 0.2	34	< 0.5
J-18-08	588261	A18-03395	25.00	26.00	1.00	< 5	1080.00	25	< 2	5	27.00	< 2	< 0.5	< 0.2	41	< 0.5
J-18-08	588262	A18-03395	26.00	27.00	1.00	< 5	351.00	36	< 2	5	53.00	< 2	< 0.5	< 0.2	55	< 0.5
J-18-08	588263	A18-03395	27.00	28.00	1.00	< 5	322.00	283	15	131	7.00	< 2	< 0.5	< 0.2	12	< 0.5
J-18-08	588264	A18-03395	28.00	29.00	1.00	< 5	284.00	270	14	118	5.00	< 2		0.5 < 0.2	4	< 0.5
J-18-08	588265	A18-03395	32.18	33.18	1.00	< 5	526.00	265	14	132	6.00		2	0.5 < 0.2	12	< 0.5
J-18-08	588266	A18-03395	33.18	34.18	1.00	< 5	568.00	239	12	127	7.00	< 2		0.5 < 0.2	23	< 0.5
J-18-08	588267	A18-03395	34.18	35.00	0.82	< 5	902.00	26	< 2	15	252.00		3 < 0.5	< 0.2	109	< 0.5
J-18-08	588268	A18-03395	35.00	36.00	1.00	< 5	316.00	47	< 2	6	42.00		3 < 0.5	< 0.2	75	< 0.5
J-18-08	588269	A18-03395	36.00	37.00	1.00	< 5	518.00	34	< 2	11	23.00	< 2	< 0.5	< 0.2	69	< 0.5
J-18-08	588271	A18-03395	37.00	38.00	1.00	< 5	733.00	46	< 2	11	45.00	< 2	< 0.5	< 0.2	90	< 0.5
J-18-08	588272	A18-03395	38.00	38.75	0.75	< 5	710.00	82	7	44	47.00	< 2	< 0.5	< 0.2	134	< 0.5
J-18-08	588273	A18-03395	38.75	39.75	1.00	< 5	854.00	87	5	49	46.00	< 2	< 0.5	< 0.2	82	< 0.5
J-18-08	588274	A18-03395	39.75	40.75	1.00	< 5	576.00	21	< 2	7	37.00	< 2	< 0.5	< 0.2	64	< 0.5
J-18-08	588275	A18-03395	40.75	41.75	1.00	< 5	359.00	18	< 2	8	27.00	< 2	< 0.5	< 0.2	32	< 0.5
J-18-08	588277	A18-03395	41.75	42.75	1.00	< 5	249.00	36	< 2	6	30.00	< 2	< 0.5	< 0.2	73	< 0.5
J-18-08	588278	A18-03395	42.75	43.75	1.00	< 5	1230.00	29	< 2	10	30.00		3 < 0.5	< 0.2	50	< 0.5
J-18-08	588279	A18-03395	43.75	44.75	1.00	< 5	409.00	19	< 2	7	31.00	< 2	< 0.5	< 0.2	55	< 0.5
J-18-08	588281	A18-03395	44.75	45.75	1.00	< 5	298.00	250	12	126	8.00		3	0.7 < 0.2	21	< 0.5
J-18-08	588282	A18-03395	45.75	46.75	1.00	< 5	276.00	299	12	120	5.00		2 < 0.5	< 0.2	9	< 0.5
J-18-08	588283	A18-03395	96.47	97.47	1.00	< 5	36.00	191	24	88	4.00	< 2	< 0.5	< 0.2	1	< 0.5
J-18-08	588284	A18-03395	97.47	98.47	1.00	< 5	26.00	170	24	86	5.00	< 2	< 0.5	< 0.2	5	< 0.5
J-18-08	588285	A18-03395	98.47	99.20	0.73	< 5	258.00	158	19	71	7.00	< 2	< 0.5	< 0.2	6	< 0.5
J-18-08	588286	A18-03395	99.20	100.20	1.00	< 5	154.00	89	2	21	25.00	< 2	< 0.5	< 0.2	38	< 0.5
J-18-08	588287	A18-03395	100.20	100.90	0.70	< 5	2030.00	97	< 2	13	33.00	< 2	< 0.5	< 0.2	59	< 0.5

BHID	Sample	Lab Ref	From_m	To_m	Int_m	As_ppm	Rb_ppm	Sr_ppm	Y_ppm	Zr_ppm	Nb_ppm	Mo_ppm	Ag_ppm	In_ppm	Sn_ppm	Sb_ppm
J-18-08	588288	A18-03395	100.90	101.70	0.80	< 5	14.00	112	14	68	6.00	< 2	< 0.5	< 0.2	5	< 0.5
J-18-08	588289	A18-03395	101.70	102.40	0.70	< 5	30.00	158	24	86	5.00	< 2	< 0.5	< 0.2	3	< 0.5
J-18-08	588291	A18-03395	102.40	103.40	1.00	< 5	543.00	84	3	11	14.00	< 2	< 0.5	< 0.2	35	< 0.5
J-18-08	588292	A18-03395	103.40	104.40	1.00	< 5	864.00	93	< 2	6	13.00	< 2	< 0.5	< 0.2	41	< 0.5
J-18-08	588293	A18-03395	104.40	105.40	1.00	< 5	1150.00	69	< 2	7	12.00	< 2	< 0.5	< 0.2	37	< 0.5
J-18-08	588294	A18-03395	105.40	106.35	0.95	< 5	601.00	60	< 2	15	18.00	< 2	< 0.5	< 0.2	26	< 0.5
J-18-08	588295	A18-03395	106.35	107.35	1.00	< 5	144.00	334	14	133	6.00	2	< 0.5	< 0.2	5	< 0.5
J-18-08	588297	A18-03395	107.35	108.35	1.00	< 5	134.00	388	14	116	5.00	< 2	< 0.5	< 0.2	3	< 0.5
J-18-09	588298	A18-03203	15.45	16.45	1.00	< 5	66.00	213	11	131	5.00	3	< 0.5	< 0.2	4	< 0.5
J-18-09	588299	A18-03203	16.45	16.66	0.21	< 5	323.00	62	5	38	63.00	< 2	< 0.5	< 0.2	50	< 0.5
J-18-09	588301	A18-03203	16.66	17.66	1.00	< 5	81.00	209	18	168	10.00	< 2	0.8	< 0.2	5	< 0.5
J-18-09	588302	A18-03203	29.06	30.06	1.00	< 5	47.00	150	12	136	7.00	< 2	0.6	< 0.2	6	< 0.5
J-18-09	588303	A18-03203	30.06	30.30	0.24	< 5	383.00	75	7	49	53.00	6	< 0.5	< 0.2	46	< 0.5
J-18-09	588304	A18-03203	30.30	31.30	1.00	< 5	45.00	176	12	140	7.00	2	< 0.5	< 0.2	8	< 0.5
J-18-09	588305	A18-03203	56.40	57.40	1.00	< 5	195.00	102	10	136	7.00	< 2	< 0.5	< 0.2	19	< 0.5
J-18-09	588306	A18-03203	57.40	58.40	1.00	< 5	226.00	88	10	118	9.00	< 2	< 0.5	< 0.2	36	< 0.5
J-18-09	588307	A18-03203	58.40	59.40	1.00	< 5	320.00	57	3	11	17.00	< 2	< 0.5	< 0.2	39	< 0.5
J-18-09	588308	A18-03203	59.40	60.40	1.00	< 5	467.00	89	< 2	< 4	13.00	2	< 0.5	< 0.2	42	< 0.5
J-18-09	588309	A18-03203	60.40	61.40	1.00	< 5	806.00	45	< 2	15	16.00	< 2	< 0.5	< 0.2	35	< 0.5
J-18-09	588311	A18-03203	61.40	62.40	1.00	< 5	519.00	42	6	60	69.00	< 2	< 0.5	0.3	93	< 0.5
J-18-09	588312	A18-03203	62.40	63.40	1.00	< 5	1410.00	48	4	39	23.00	< 2	< 0.5	0.2	72	< 0.5
J-18-09	588313	A18-03203	63.40	64.40	1.00	< 5	546.00	122	15	63	8.00	2	< 0.5	< 0.2	17	< 0.5
J-18-09	588314	A18-03203	64.40	65.40	1.00	< 5	839.00	43	2	17	19.00	< 2	< 0.5	< 0.2	50	< 0.5
J-18-09	588315	A18-03203	65.40	66.40	1.00	< 5	660.00	58	2	13	24.00	< 2	< 0.5	< 0.2	57	< 0.5
J-18-09	588317	A18-03203	66.40	67.40	1.00	< 5	785.00	70	< 2	10	21.00	< 2	< 0.5	< 0.2	26	< 0.5
J-18-09	588318	A18-03203	67.40	68.30	0.90	< 5	527.00	87	< 2	10	18.00	< 2	< 0.5	< 0.2	47	< 0.5
J-18-09	588319	A18-03203	68.30	69.30	1.00	< 5	31.00	140	22	83	5.00	< 2	< 0.5	< 0.2	2	< 0.5
J-18-09	588321	A18-03203	69.30	70.30	1.00	< 5	27.00	148	23	85	5.00	< 2	< 0.5	< 0.2	1	< 0.5
J-18-09	588322	A18-03203	87.30	88.30	1.00	< 5	36.00	181	21	82	4.00	< 2	< 0.5	< 0.2	1	< 0.5
J-18-09	588323	A18-03203	88.30	89.30	1.00	< 5	31.00	170	22	82	5.00	< 2	< 0.5	< 0.2	3	< 0.5
J-18-09	588324	A18-03203	89.30	90.15	0.85	< 5	280.00	95	3	15	34.00	< 2	< 0.5	< 0.2	29	< 0.5
J-18-09	588325	A18-03203	90.15	90.90	0.75	< 5	79.00	141	20	77	5.00	< 2	< 0.5	< 0.2	4	< 0.5
J-18-09	588326	A18-03203	90.90	92.00	1.10	< 5	1120.00	87	< 2	8	61.00	< 2	< 0.5	< 0.2	9	< 0.5
J-18-09	588327	A18-03203	92.00	93.00	1.00	< 5	716.00	68	< 2	12	17.00	< 2	< 0.5	< 0.2	8	< 0.5
J-18-09	588328	A18-03203	93.00	94.00	1.00	< 5	348.00	59	< 2	7	30.00	< 2	< 0.5	< 0.2	11	< 0.5
J-18-09	588329	A18-03203	94.00	95.00	1.00	< 5	260.00	40	< 2	7	16.00	< 2	< 0.5	< 0.2	22	< 0.5
J-18-09	588331	A18-03203	95.00	96.00	1.00	< 5	519.00	44	< 2	9	32.00	< 2	< 0.5	< 0.2	25	< 0.5
J-18-09	588332	A18-03203	96.00	97.00	1.00	< 5	351.00	41	< 2	11	53.00	< 2	< 0.5	< 0.2	32	< 0.5
J-18-09	588333	A18-03203	97.00	98.00	1.00	< 5	393.00	33	3	< 4	21.00	< 2	< 0.5	< 0.2	28	< 0.5
J-18-09	588334	A18-03203	98.00	98.75	0.75	< 5	259.00	33	2	8	51.00	< 2	< 0.5	< 0.2	40	< 0.5
J-18-09	588335	A18-03203	98.75	99.75	1.00	< 5	49.00	163	11	101	10.00	< 2	< 0.5	< 0.2	31	< 0.5

BHID	Sample	Lab Ref	From_m	To_m	Int_m	As_ppm	Rb_ppm	Sr_ppm	Y_ppm	Zr_ppm	Nb_ppm	Mo_ppm	Ag_ppm	In_ppm	Sn_ppm	Sb_ppm
J-18-09	588337	A18-03203	99.75	100.75	1.00	< 5	78.00	204	13	104	5.00	6	< 0.5	< 0.2	9	< 0.5
J-18-09	588338	A18-03203	112.75	113.75	1.00	< 5	85.00	272	13	118	4.00	3	< 0.5	< 0.2	1	< 0.5
J-18-09	588339	A18-03203	113.75	114.75	1.00	< 5	99.00	273	12	107	4.00	< 2	< 0.5	< 0.2	6	< 0.5
J-18-09	588341	A18-03203	114.75	115.75	1.00	< 5	210.00	117	8	48	32.00	< 2	< 0.5	0.3	69	< 0.5
J-18-09	588342	A18-03203	115.75	116.60	0.85	< 5	253.00	79	6	24	34.00	< 2	< 0.5	0.3	99	< 0.5
J-18-09	588343	A18-03203	116.60	117.60	1.00	< 5	107.00	199	11	102	6.00	3	< 0.5	< 0.2	11	< 0.5
J-18-09	588344	A18-03203	117.60	118.25	0.65	< 5	81.00	198	12	112	7.00	< 2	< 0.5	< 0.2	34	< 0.5
J-18-09	588345	A18-03203	118.25	119.20	0.95	< 5	236.00	59	3	14	37.00	< 2	< 0.5	< 0.2	39	< 0.5
J-18-09	588346	A18-03203	119.20	120.20	1.00	< 5	99.00	247	12	111	4.00	2	< 0.5	< 0.2	8	< 0.5
J-18-09	588347	A18-03203	120.20	121.20	1.00	< 5	78.00	282	12	103	4.00	2	< 0.5	< 0.2	< 1	< 0.5
J-18-10	588348	A18-03203	72.10	73.10	1.00	< 5	169.00	224	12	100	4.00	< 2	< 0.5	< 0.2	5	< 0.5
J-18-10	588349	A18-03203	73.10	74.10	1.00	< 5	348.00	159	10	115	5.00	< 2	< 0.5	< 0.2	9	< 0.5
J-18-10	588351	A18-03203	74.10	75.10	1.00	< 5	649.00	28	< 2	8	38.00	< 2	< 0.5	0.3	95	< 0.5
J-18-10	588352	A18-03203	75.10	76.10	1.00	< 5	983.00	26	2	17	29.00	< 2	< 0.5	0.3	82	< 0.5
J-18-10	588353	A18-03203	76.10	77.10	1.00	< 5	1970.00	44	< 2	< 4	10.00	< 2	< 0.5	< 0.2	44	< 0.5
J-18-10	588354	A18-03203	77.10	78.10	1.00	< 5	2420.00	56	< 2	< 4	6.00	< 2	< 0.5	< 0.2	25	< 0.5
J-18-10	588355	A18-03203	78.10	79.10	1.00	< 5	2910.00	69	< 2	6	15.00	< 2	< 0.5	< 0.2	8	< 0.5
J-18-10	588357	A18-03203	79.10	80.10	1.00	< 5	900.00	54	2	84	40.00	< 2	< 0.5	0.4	111	< 0.5
J-18-10	588358	A18-03203	80.10	81.10	1.00	< 5	642.00	32	< 2	10	23.00	< 2	< 0.5	0.2	65	< 0.5
J-18-10	588359	A18-03203	81.10	82.10	1.00	< 5	1110.00	41	< 2	35	18.00	< 2	< 0.5	< 0.2	57	< 0.5
J-18-10	588361	A18-03203	82.10	83.10	1.00	< 5	1200.00	37	< 2	10	16.00	< 2	< 0.5	< 0.2	24	< 0.5
J-18-10	588362	A18-03203	83.10	84.10	1.00	< 5	704.00	37	< 2	< 4	9.00	< 2	< 0.5	< 0.2	46	< 0.5
J-18-10	588363	A18-03203	84.10	85.10	1.00	< 5	457.00	28	< 2	< 4	19.00	< 2	< 0.5	0.2	51	< 0.5
J-18-10	588364	A18-03203	85.10	86.10	1.00	< 5	236.00	24	< 2	8	34.00	< 2	< 0.5	< 0.2	59	< 0.5
J-18-10	588365	A18-03203	86.10	87.60	1.50	< 5	677.00	23	< 2	7	27.00	< 2	< 0.5	< 0.2	48	< 0.5
J-18-10	588366	A18-03203	87.60	88.60	1.00	< 5	400.00	221	10	111	8.00	< 2	< 0.5	< 0.2	22	< 0.5
J-18-10	588367	A18-03203	88.60	89.60	1.00	< 5	131.00	292	12	131	5.00	2	0.9	< 0.2	< 1	< 0.5
J-18-11	588368	A18-03203	6.00	7.00	1.00	< 5	186.00	13	< 2	15	47.00	< 2	< 0.5	< 0.2	30	< 0.5
J-18-11	588369	A18-03203	7.00	8.00	1.00	< 5	318.00	18	< 2	24	44.00	< 2	< 0.5	0.2	63	< 0.5
J-18-11	588371	A18-03203	8.00	9.20	1.20	< 5	675.00	27	< 2	26	99.00	< 2	< 0.5	< 0.2	52	< 0.5
J-18-11	588372	A18-03203	9.20	10.20	1.00	< 5	263.00	292	12	148	7.00	4	0.5	< 0.2	4	< 0.5
J-18-11	588373	A18-03203	10.20	11.20	1.00	< 5	70.00	378	13	141	6.00	< 2	0.5	< 0.2	1	< 0.5
J-18-11	588374	A18-03203	11.20	12.20	1.00	< 5	73.00	362	12	133	6.00	< 2	0.5	< 0.2	1	< 0.5
J-18-11	588375	A18-03203	12.20	13.10	0.90	< 5	301.00	258	13	143	9.00	< 2	0.5	< 0.2	32	< 0.5
J-18-11	588377	A18-03203	13.10	14.10	1.00	< 5	1370.00	77	2	18	61.00	< 2	< 0.5	0.4	123	< 0.5
J-18-11	588378	A18-03203	14.10	15.10	1.00	< 5	315.00	256	13	149	8.00	3	0.6	< 0.2	10	< 0.5
J-18-11	588379	A18-03203	15.10	16.10	1.00	< 5	131.00	296	14	164	7.00	< 2	0.6	< 0.2	4	< 0.5
J-18-11	588381	A18-03203	77.35	78.35	1.00	< 5	180.00	270	11	121	4.00	3	< 0.5	< 0.2	4	< 0.5
J-18-11	588382	A18-03203	78.35	79.35	1.00	< 5	173.00	257	11	127	5.00	4	0.5	< 0.2	4	< 0.5
J-18-11	588383	A18-03203	79.35	80.35	1.00	< 5	939.00	26	< 2	9	38.00	2	< 0.5	0.2	63	< 0.5
J-18-11	588384	A18-03203	80.35	81.35	1.00	< 5	854.00	29	< 2	< 4	22.00	< 2	< 0.5	0.2	64	< 0.5

BHID	Sample	Lab Ref	From_m	To_m	Int_m	As_ppm	Rb_ppm	Sr_ppm	Y_ppm	Zr_ppm	Nb_ppm	Mo_ppm	Ag_ppm	In_ppm	Sn_ppm	Sb_ppm
J-18-11	588385	A18-03203	81.35	82.35	1.00	< 5	656.00	43	< 2	5	32.00	2	< 0.5	0.2	64	< 0.5
J-18-11	588386	A18-03203	82.35	83.35	1.00	< 5	960.00	52	< 2	< 4	30.00	< 2	< 0.5	< 0.2	58	< 0.5
J-18-11	588387	A18-03203	83.35	84.35	1.00	< 5	461.00	40	< 2	6	32.00	< 2	< 0.5	0.2	62	< 0.5
J-18-11	588388	A18-03203	84.35	85.35	1.00	< 5	813.00	41	< 2	< 4	23.00	2	< 0.5	0.4	91	< 0.5
J-18-11	588389	A18-03203	85.35	86.35	1.00	< 5	1040.00	40	< 2	< 4	23.00	2	< 0.5	0.2	65	< 0.5
J-18-11	588391	A18-03203	86.35	87.35	1.00	< 5	1140.00	36	2	6	20.00	< 2	< 0.5	< 0.2	53	< 0.5
J-18-11	588392	A18-03203	87.35	88.35	1.00	< 5	756.00	30	< 2	< 4	30.00	< 2	< 0.5	< 0.2	43	< 0.5
J-18-11	588393	A18-03203	88.35	89.60	1.25	< 5	673.00	33	< 2	12	46.00	< 2	< 0.5	0.2	63	< 0.5
J-18-11	588394	A18-03203	89.60	90.20	0.60	< 5	937.00	304	11	112	11.00	< 2	< 0.5	0.2	55	< 0.5
J-18-11	588395	A18-03203	90.20	91.00	0.80	< 5	456.00	48	< 2	6	30.00	< 2	< 0.5	< 0.2	48	< 0.5
J-18-11	588397	A18-03203	91.00	92.00	1.00	< 5	1040.00	104	5	63	44.00	< 2	< 0.5	0.7	184	< 0.5
J-18-11	588398	A18-03203	92.00	93.00	1.00	< 5	606.00	272	12	124	10.00	< 2	< 0.5	< 0.2	38	< 0.5
J-18-11	588399	A18-03203	93.00	94.00	1.00	< 5	207.00	280	14	114	6.00	< 2	< 0.5	< 0.2	3	< 0.5
J-18-11	588401	A18-03203	111.18	111.56	0.38	< 5	274.00	138	7	89	18.00	< 2	0.6	0.2	50	< 0.5
J-18-12	588402	A18-03395	7.70	8.03	0.33	< 5	361.00	97	3	32	34.00	< 2	< 0.5	< 0.2	39	< 0.5
J-18-12	588403	A18-03395	60.20	60.40	0.20	< 5	274.00	106	6	53	55.00	< 2	< 0.5	< 0.2	25	< 0.5
J-18-12	588404	A18-03395	70.20	71.20	1.00	< 5	129.00	404	13	147	5.00	< 2	< 0.5	< 0.2	2	< 0.5
J-18-12	588405	A18-03395	71.20	72.20	1.00	< 5	170.00	386	11	156	6.00	< 2	< 0.5	< 0.2	15	< 0.5
J-18-12	588406	A18-03395	72.20	73.00	0.80	< 5	1690.00	49	< 2	7	25.00	< 2	< 0.5	< 0.2	20	< 0.5
J-18-12	588407	A18-03395	73.00	74.00	1.00	< 5	679.00	31	< 2	24	77.00	< 2	< 0.5	< 0.2	92	< 0.5
J-18-12	588408	A18-03395	74.00	75.00	1.00	< 5	859.00	49	< 2	7	53.00	< 2	< 0.5	< 0.2	72	< 0.5
J-18-12	588409	A18-03395	75.00	76.00	1.00	< 5	584.00	63	< 2	8	44.00	< 2	< 0.5	< 0.2	83	< 0.5
J-18-12	588411	A18-03395	76.00	77.00	1.00	< 5	415.00	38	< 2	5	28.00	< 2	< 0.5	< 0.2	74	< 0.5
J-18-12	588412	A18-03395	77.00	78.00	1.00	< 5	328.00	52	< 2	5	31.00	< 2	< 0.5	< 0.2	72	< 0.5
J-18-12	588413	A18-03395	78.00	79.00	1.00	< 5	730.00	54	< 2	7	27.00	< 2	< 0.5	< 0.2	50	< 0.5
J-18-12	588414	A18-03395	79.00	80.00	1.00	< 5	1070.00	61	< 2	11	43.00	< 2	< 0.5	< 0.2	83	< 0.5
J-18-12	588415	A18-03395	80.00	81.00	1.00	< 5	353.00	62	< 2	14	32.00	< 2	< 0.5	< 0.2	105	< 0.5
J-18-12	588417	A18-03395	81.00	82.00	1.00	< 5	708.00	33	< 2	7	37.00	< 2	< 0.5	< 0.2	65	< 0.5
J-18-12	588418	A18-03395	82.00	83.00	1.00	< 5	815.00	132	3	24	57.00	< 2	< 0.5	< 0.2	172	< 0.5
J-18-12	588419	A18-03395	83.00	84.00	1.00	< 5	504.00	35	< 2	11	37.00	< 2	< 0.5	< 0.2	47	< 0.5
J-18-12	588421	A18-03395	84.00	85.00	1.00	< 5	820.00	32	< 2	12	44.00	< 2	< 0.5	< 0.2	49	< 0.5
J-18-12	588422	A18-03395	85.00	86.00	1.00	< 5	868.00	34	< 2	5	55.00	< 2	< 0.5	< 0.2	79	< 0.5
J-18-12	588423	A18-03395	86.00	87.00	1.00	< 5	1130.00	34	< 2	6	48.00	< 2	< 0.5	< 0.2	71	< 0.5
J-18-12	588424	A18-03395	87.00	88.00	1.00	< 5	862.00	35	< 2	8	49.00	< 2	< 0.5	< 0.2	106	< 0.5
J-18-12	588425	A18-03395	88.00	89.00	1.00	< 5	294.00	24	3	11	104.00	< 2	< 0.5	< 0.2	89	< 0.5
J-18-12	588426	A18-03395	89.00	90.00	1.00	< 5	844.00	30	3	10	36.00	< 2	< 0.5	< 0.2	61	< 0.5
J-18-12	588427	A18-03395	90.00	91.00	1.00	< 5	1260.00	43	< 2	5	28.00	< 2	< 0.5	< 0.2	55	< 0.5
J-18-12	588428	A18-03395	91.00	92.00	1.00	< 5	821.00	31	< 2	5	38.00	< 2	< 0.5	< 0.2	37	< 0.5
J-18-12	588429	A18-03395	92.00	93.00	1.00	< 5	474.00	36	< 2	10	56.00	< 2	< 0.5	< 0.2	46	< 0.5
J-18-12	588431	A18-03395	93.00	94.00	1.00	< 5	681.00	45	< 2	10	42.00	< 2	< 0.5	< 0.2	102	< 0.5
J-18-12	588432	A18-03395	94.00	95.00	1.00	< 5	794.00	26	< 2	6	27.00	< 2	< 0.5	< 0.2	68	< 0.5

BHID	Sample	Lab Ref	From_m	To_m	Int_m	As_ppm	Rb_ppm	Sr_ppm	Y_ppm	Zr_ppm	Nb_ppm	Mo_ppm	Ag_ppm	In_ppm	Sn_ppm	Sb_ppm	
J-18-12	588433	A18-03395	95.00	96.50	1.50	< 5	371.00	32	3	18	45.00	< 2	< 0.5	< 0.2	57	< 0.5	
J-18-12	588434	A18-03395	96.50	97.50	1.00	< 5	162.00	101	9	108	16.00	< 2	< 0.5	< 0.2	74	< 0.5	
J-18-12	588435	A18-03395	97.50	98.50	1.00	< 5	234.00	202	10	125	4.00	< 2	< 0.5	< 0.2	9	< 0.5	
J-18-13	588437	A18-03395	63.40	64.40	1.00	< 5	187.00	157	11	117	4.00		4	< 0.5	< 0.2	2	< 0.5
J-18-13	588438	A18-03395	64.40	65.40	1.00	< 5	420.00	166	11	129	5.00	< 2	< 0.5	< 0.2	14	< 0.5	
J-18-13	588439	A18-03395	65.40	66.00	0.60	< 5	659.00	27	< 2	8	29.00	< 2	< 0.5	< 0.2	69	< 0.5	
J-18-13	588441	A18-03395	66.00	67.00	1.00	< 5	1110.00	32	< 2	7	119.00	< 2	< 0.5	< 0.2	44	< 0.5	
J-18-13	588442	A18-03395	67.00	68.00	1.00	< 5	784.00	34	< 2	< 4	34.00	< 2	< 0.5	< 0.2	67	< 0.5	
J-18-13	588443	A18-03395	68.00	69.00	1.00	< 5	595.00	31	< 2	10	18.00	< 2	< 0.5	< 0.2	50	< 0.5	
J-18-13	588444	A18-03395	69.00	70.00	1.00	< 5	928.00	44	< 2	20	35.00	< 2	< 0.5	< 0.2	105	< 0.5	
J-18-13	588445	A18-03395	70.00	71.00	1.00	< 5	717.00	32	< 2	9	26.00	< 2	< 0.5	< 0.2	63	< 0.5	
J-18-13	588446	A18-03395	71.00	72.00	1.00	< 5	650.00	30	< 2	8	14.00	< 2	< 0.5	< 0.2	48	< 0.5	
J-18-13	588447	A18-03395	72.00	73.00	1.00	< 5	429.00	26	< 2	6	26.00	< 2	< 0.5	< 0.2	71	< 0.5	
J-18-13	588448	A18-03395	73.00	74.00	1.00	< 5	1040.00	67	< 2	4	21.00	< 2	< 0.5	< 0.2	50	< 0.5	
J-18-13	588449	A18-03395	74.00	75.00	1.00	< 5	878.00	60	< 2	6	24.00	< 2	< 0.5	< 0.2	48	< 0.5	
J-18-13	588451	A18-03395	75.00	76.00	1.00	< 5	1050.00	33	< 2	5	18.00	< 2	< 0.5	< 0.2	37	< 0.5	
J-18-13	588452	A18-03395	76.00	77.00	1.00	< 5	1310.00	42	< 2	7	21.00	< 2	< 0.5	< 0.2	45	< 0.5	
J-18-13	588453	A18-03395	77.00	78.03	1.03	< 5	424.00	23	< 2	12	32.00	< 2	< 0.5	< 0.2	52	< 0.5	
J-18-13	588454	A18-03395	78.03	79.03	1.00	< 5	433.00	180	12	119	6.00	< 2	< 0.5	< 0.2	22	< 0.5	
J-18-13	588455	A18-03395	79.03	80.03	1.00	< 5	169.00	191	12	118	6.00		3	< 0.5	< 0.2	2	< 0.5
J-18-13	588457	A18-03395	230.65	231.65	1.00	< 5	76.00	839	15	124	6.00	< 2	< 0.5	< 0.2	5	< 0.5	
J-18-13	588458	A18-03395	231.65	232.65	1.00	< 5	122.00	830	18	121	7.00	< 2	< 0.5	< 0.2	6	< 0.5	
J-18-13	588459	A18-03395	232.65	233.65	1.00	< 5	378.00	50	< 2	15	36.00	< 2	< 0.5	< 0.2	267	< 0.5	
J-18-13	588461	A18-03395	233.65	235.00	1.35	< 5	758.00	446	10	105	43.00	< 2		0.6	< 0.2	75	< 0.5
J-18-13	588462	A18-03395	235.00	236.00	1.00	< 5	106.00	24	< 2	< 4	2.00	< 2	< 0.5	< 0.2	226	< 0.5	
J-18-13	588463	A18-03395	236.00	237.00	1.00	< 5	266.00	24	< 2	< 4	4.00	< 2	< 0.5	< 0.2	135	< 0.5	
J-18-13	588464	A18-03395	237.00	237.65	0.65	< 5	148.00	77	< 2	7	37.00	< 2	< 0.5	< 0.2	183	< 0.5	
J-18-13	588465	A18-03395	237.65	238.65	1.00	< 5	164.00	834	17	145	10.00	< 2	< 0.5	< 0.2	9	< 0.5	
J-18-13	588466	A18-03395	238.65	239.65	1.00	< 5	58.00	900	17	130	7.00	< 2	< 0.5	< 0.2	2	< 0.5	
J-18-14	588468	A18-03395	8.75	9.75	1.00	< 5	522.00	315	14	172	6.00	< 2		0.6	< 0.2	7	< 0.5
J-18-14	588469	A18-03395	9.75	10.75	1.00	< 5	650.00	42	< 2	18	56.00	< 2	< 0.5	< 0.2	76	< 0.5	
J-18-14	588471	A18-03395	10.75	11.90	1.15	< 5	390.00	51	< 2	16	46.00	< 2	< 0.5	< 0.2	47	< 0.5	
J-18-14	588472	A18-03395	11.90	12.90	1.00	< 5	253.00	309	14	200	8.00	< 2		0.5	< 0.2	8	< 0.5
J-18-14	588473	A18-03395	12.90	13.90	1.00	< 5	156.00	381	16	178	6.00	< 2		0.7	< 0.2	< 1	< 0.5
J-18-14	588474	A18-03395	82.70	83.70	1.00	< 5	218.00	254	12	128	6.00		2	0.5	< 0.2	7	< 0.5
J-18-14	588475	A18-03395	83.70	84.70	1.00	< 5	288.00	283	12	143	10.00	< 2		0.6	< 0.2	40	< 0.5
J-18-14	588477	A18-03395	84.70	85.70	1.00	< 5	978.00	42	2	17	41.00	< 2	< 0.5	< 0.2	103	< 0.5	
J-18-14	588478	A18-03395	85.70	86.70	1.00	< 5	731.00	21	< 2	5	29.00	< 2	< 0.5	< 0.2	67	< 0.5	
J-18-14	588479	A18-03395	86.70	87.70	1.00	< 5	686.00	23	< 2	6	36.00	< 2	< 0.5	< 0.2	60	< 0.5	
J-18-14	588481	A18-03395	87.70	88.70	1.00	< 5	494.00	27	< 2	13	45.00	< 2	< 0.5	< 0.2	80	< 0.5	
J-18-14	588482	A18-03395	88.70	89.70	1.00	< 5	1220.00	42	< 2	8	16.00	< 2	< 0.5	< 0.2	49	< 0.5	



BHID	Sample	Lab Ref	From_m	To_m	Int_m	As_ppm	Rb_ppm	Sr_ppm	Y_ppm	Zr_ppm	Nb_ppm	Mo_ppm	Ag_ppm	In_ppm	Sn_ppm	Sb_ppm
J-18-14	588483	A18-03395	89.70	90.60	0.90	< 5	340.00	37	< 2	10	38.00	< 2	< 0.5	< 0.2	68	< 0.5
J-18-14	588484	A18-03395	90.60	91.60	1.00	< 5	312.00	311	12	151	6.00	< 2	< 0.5	< 0.2	8	< 0.5
J-18-14	588485	A18-03395	91.60	92.60	1.00	< 5	208.00	319	12	165	6.00	2	0.6	< 0.2	2	< 0.5
J-18-14	588486	A18-03395	102.40	102.85	0.45	< 5	413.00	59	< 2	11	84.00	< 2	< 0.5	< 0.2	58	< 0.5
J-18-14	588487	A18-03395	104.10	105.10	1.00	< 5	419.00	274	14	133	7.00	< 2	< 0.5	< 0.2	7	< 0.5
J-18-14	588488	A18-03395	105.10	106.45	1.35	< 5	550.00	34	2	19	47.00	< 2	< 0.5	< 0.2	79	< 0.5
J-18-14	588489	A18-03395	106.45	107.45	1.00	< 5	256.00	281	11	165	8.00	< 2	0.5	< 0.2	17	< 0.5
J-18-15	588491	A18-06153	22.35	23.35	1.00	< 5	643.00	397	20	118	20.00	< 2	0.7	< 0.2	45	< 0.5
J-18-15	588492	A18-06153	23.35	23.75	0.40	< 5	1410.00	266	4	42	41.00	< 2	< 0.5	< 0.2	141	< 0.5
J-18-15	588493	A18-06153	23.75	24.75	1.00	< 5	1170.00	495	17	149	19.00	< 2	0.6	< 0.2	68	< 0.5
J-18-15	588494	A18-06153	26.67	27.67	1.00	< 5	303.00	287	15	129	6.00	2	0.5	< 0.2	8	< 0.5
J-18-15	588495	A18-06153	27.67	28.67	1.00	< 5	335.00	262	14	131	7.00	< 2	< 0.5	< 0.2	27	< 0.5
J-18-15	588497	A18-06153	28.67	30.00	1.33	< 5	915.00	44	< 2	16	86.00	3	< 0.5	< 0.2	89	< 0.5
J-18-15	588498	A18-06153	30.00	31.00	1.00	< 5	637.00	24	< 2	6	50.00	< 2	< 0.5	< 0.2	37	< 0.5
J-18-15	588499	A18-06153	31.00	32.00	1.00	< 5	1060.00	41	< 2	7	55.00	< 2	< 0.5	< 0.2	65	< 0.5
J-18-15	788001	A18-06153	32.00	33.11	1.11	< 5	725.00	54	< 2	< 4	17.00	< 2	< 0.5	< 0.2	22	< 0.5
J-18-15	788002	A18-06153	33.11	34.11	1.00	< 5	45.00	194	22	82	5.00	< 2	< 0.5	< 0.2	4	< 0.5
J-18-15	788003	A18-06153	34.11	35.11	1.00	< 5	52.00	266	19	68	4.00	< 2	< 0.5	< 0.2	2	< 0.5
J-18-15	788004	A18-06153	43.46	44.46	1.00	< 5	25.00	172	22	81	5.00	< 2	< 0.5	< 0.2	< 1	< 0.5
J-18-15	788005	A18-06153	44.46	45.46	1.00	< 5	23.00	159	21	76	4.00	< 2	< 0.5	< 0.2	< 1	< 0.5
J-18-15	788006	A18-06153	45.46	46.00	0.54	< 5	403.00	55	< 2	4	24.00	< 2	< 0.5	< 0.2	48	< 0.5
J-18-15	788007	A18-06153	46.00	47.00	1.00	< 5	511.00	31	< 2	5	25.00	< 2	< 0.5	< 0.2	49	< 0.5
J-18-15	788008	A18-06153	47.00	48.00	1.00	< 5	479.00	32	< 2	6	38.00	< 2	< 0.5	< 0.2	54	< 0.5
J-18-15	788009	A18-06153	48.00	49.00	1.00	< 5	522.00	39	< 2	6	37.00	< 2	< 0.5	< 0.2	58	< 0.5
J-18-15	788011	A18-06153	49.00	50.00	1.00	< 5	590.00	46	< 2	14	32.00	< 2	< 0.5	< 0.2	84	< 0.5
J-18-15	788012	A18-06153	50.00	51.00	1.00	< 5	637.00	44	< 2	6	44.00	< 2	< 0.5	< 0.2	50	< 0.5
J-18-15	788013	A18-06153	51.00	52.00	1.00	< 5	443.00	67	3	19	26.00	< 2	< 0.5	< 0.2	50	< 0.5
J-18-15	788014	A18-06153	52.00	53.00	1.00	< 5	635.00	42	< 2	< 4	35.00	< 2	< 0.5	< 0.2	48	< 0.5
J-18-15	788015	A18-06153	53.00	54.00	1.00	< 5	390.00	28	< 2	6	34.00	< 2	< 0.5	< 0.2	64	< 0.5
J-18-15	788017	A18-06153	54.00	55.18	1.18	< 5	348.00	47	3	48	50.00	< 2	< 0.5	< 0.2	51	< 0.5
J-18-15	788018	A18-06153	55.18	56.18	1.00	< 5	611.00	246	11	95	38.00	< 2	< 0.5	< 0.2	53	< 0.5
J-18-15	788019	A18-06153	56.18	57.18	1.00	< 5	520.00	386	15	140	6.00	3	< 0.5	< 0.2	7	< 0.5
J-18-15	788021	A18-06153	57.75	58.75	1.00	< 5	379.00	308	16	126	6.00	< 2	< 0.5	< 0.2	10	< 0.5
J-18-15	788022	A18-06153	58.75	59.75	1.00	< 5	375.00	381	12	119	8.00	7	< 0.5	< 0.2	12	< 0.5
J-18-15	788023	A18-06153	59.75	61.00	1.25	< 5	545.00	36	< 2	23	67.00	< 2	< 0.5	< 0.2	59	< 0.5
J-18-15	788024	A18-06153	61.00	62.00	1.00	< 5	542.00	28	< 2	5	44.00	< 2	< 0.5	< 0.2	68	< 0.5
J-18-15	788025	A18-06153	62.00	63.00	1.00	< 5	535.00	40	< 2	6	23.00	< 2	< 0.5	< 0.2	65	< 0.5
J-18-15	788026	A18-06153	63.00	64.00	1.00	< 5	557.00	37	< 2	10	15.00	< 2	< 0.5	< 0.2	36	< 0.5
J-18-15	788027	A18-06153	64.00	65.33	1.33	< 5	351.00	37	< 2	14	57.00	< 2	< 0.5	< 0.2	74	< 0.5
J-18-15	788028	A18-06153	65.33	66.33	1.00	< 5	411.00	875	13	228	11.00	< 2	0.7	< 0.2	9	< 0.5
J-18-15	788029	A18-06153	66.33	67.33	1.00	< 5	222.00	859	9	281	12.00	< 2	1.1	< 0.2	16	< 0.5

BHID	Sample	Lab Ref	From_m	To_m	Int_m	As_ppm	Rb_ppm	Sr_ppm	Y_ppm	Zr_ppm	Nb_ppm	Mo_ppm	Ag_ppm	In_ppm	Sn_ppm	Sb_ppm
J-18-15	788031	A18-06153	89.26	90.26	1.00	< 5	109.00	715	17	137	7.00	< 2	0.8	< 0.2	8	< 0.5
J-18-15	788032	A18-06153	90.26	91.26	1.00	< 5	213.00	852	17	141	10.00	< 2	0.5	< 0.2	16	< 0.5
J-18-15	788033	A18-06153	91.26	92.25	0.99	< 5	1080.00	36	< 2	< 4	23.00	< 2	< 0.5	< 0.2	71	< 0.5
J-18-15	788034	A18-06153	92.25	93.25	1.00	< 5	2520.00	55	< 2	< 4	14.00	< 2	< 0.5	< 0.2	38	< 0.5
J-18-15	788035	A18-06153	93.25	94.25	1.00	< 5	1980.00	43	< 2	12	18.00	< 2	< 0.5	< 0.2	42	< 0.5
J-18-15	788037	A18-06153	94.25	95.25	1.00	< 5	1470.00	47	< 2	10	16.00	< 2	< 0.5	< 0.2	21	< 0.5
J-18-15	788038	A18-06153	95.25	96.25	1.00	< 5	1750.00	43	< 2	13	37.00	< 2	< 0.5	< 0.2	122	< 0.5
J-18-15	788039	A18-06153	96.25	97.25	1.00	< 5	1610.00	43	< 2	5	12.00	< 2	< 0.5	< 0.2	22	< 0.5
J-18-15	788041	A18-06153	97.25	98.25	1.00	< 5	2130.00	53	< 2	9	25.00	< 2	< 0.5	< 0.2	37	< 0.5
J-18-15	788042	A18-06153	98.25	99.25	1.00	< 5	598.00	51	4	35	33.00	< 2	< 0.5	< 0.2	116	< 0.5
J-18-15	788043	A18-06153	99.25	100.25	1.00	< 5	520.00	115	3	12	27.00	< 2	< 0.5	< 0.2	74	< 0.5
J-18-15	788044	A18-06153	100.25	101.25	1.00	< 5	291.00	334	14	144	7.00	< 2	< 0.5	< 0.2	13	< 0.5
J-18-15	788045	A18-06153	101.25	102.25	1.00	< 5	158.00	330	14	150	7.00	< 2	< 0.5	< 0.2	6	< 0.5
J-18-16	788046	A18-06701	64.90	65.90	1.00	< 5	168.00	271	16	113	4.00	< 2	< 0.5	< 0.2	3	< 0.5
J-18-16	788047	A18-06701	65.90	66.90	1.00	7	136.00	239	16	107	4.00	< 2	< 0.5	< 0.2	4	< 0.5
J-18-16	788048	A18-06701	66.90	67.90	1.00	< 5	343.00	35	< 2	6	16.00	< 2	< 0.5	< 0.2	53	< 0.5
J-18-16	788049	A18-06701	67.90	68.90	1.00	< 5	296.00	23	2	7	31.00	< 2	< 0.5	< 0.2	46	< 0.5
J-18-16	788051	A18-06701	68.90	69.90	1.00	< 5	171.00	20	< 2	< 4	8.00	< 2	< 0.5	< 0.2	22	< 0.5
J-18-16	788052	A18-06701	69.90	70.50	0.60	< 5	217.00	54	2	13	22.00	< 2	< 0.5	< 0.2	58	< 0.5
J-18-16	788053	A18-06701	70.50	71.50	1.00	< 5	201.00	571	7	157	4.00	< 2	< 0.5	< 0.2	3	< 0.5
J-18-16	788054	A18-06701	71.50	72.50	1.00	< 5	109.00	691	9	153	4.00	< 2	< 0.5	< 0.2	2	< 0.5
J-18-17	788055	A18-06701	13.05	14.05	1.00	< 5	110.00	273	17	106	4.00	< 2	< 0.5	< 0.2	3	< 0.5
J-18-17	788057	A18-06701	14.05	15.05	1.00	< 5	318.00	250	12	101	6.00	6	< 0.5	< 0.2	18	< 0.5
J-18-17	788058	A18-06701	15.05	16.05	1.00	< 5	495.00	33	2	14	59.00	< 2	< 0.5	< 0.2	36	< 0.5
J-18-17	788059	A18-06701	16.05	17.05	1.00	< 5	771.00	43	3	17	35.00	< 2	< 0.5	< 0.2	16	< 0.5
J-18-17	788061	A18-06701	17.05	18.05	1.00	< 5	33.00	152	20	83	6.00	< 2	< 0.5	< 0.2	3	< 0.5
J-18-17	788062	A18-06701	18.05	19.05	1.00	< 5	30.00	170	21	87	4.00	< 2	< 0.5	< 0.2	< 1	< 0.5
J-18-17	788063	A18-06701	71.60	72.60	1.00	< 5	526.00	466	15	164	7.00	< 2	< 0.5	< 0.2	8	< 0.5
J-18-17	788064	A18-06701	72.60	73.60	1.00	< 5	680.00	334	12	160	5.00	< 2	0.6	< 0.2	13	< 0.5
J-18-17	788065	A18-06701	73.60	74.60	1.00	< 5	967.00	49	< 2	7	27.00	< 2	< 0.5	< 0.2	32	< 0.5
J-18-17	788066	A18-06701	74.60	75.60	1.00	< 5	135.00	31	< 2	5	11.00	< 2	< 0.5	< 0.2	26	< 0.5
J-18-17	788067	A18-06701	75.60	76.45	0.85	< 5	418.00	31	< 2	5	11.00	< 2	< 0.5	< 0.2	43	< 0.5
J-18-17	788068	A18-06701	76.45	77.45	1.00	< 5	246.00	347	11	128	5.00	5	< 0.5	< 0.2	5	< 0.5
J-18-17	788069	A18-06701	77.45	78.45	1.00	< 5	179.00	417	13	153	5.00	3	< 0.5	< 0.2	< 1	< 0.5
J-18-17	788071	A18-06701	158.28	159.28	1.00	< 5	236.00	710	9	157	5.00	< 2	0.7	< 0.2	13	< 0.5
J-18-17	788072	A18-06701	159.28	159.38	0.10	< 5	337.00	679	8	47	29.00	< 2	< 0.5	< 0.2	31	< 0.5
J-18-17	788073	A18-06701	159.38	160.38	1.00	< 5	184.00	722	8	127	5.00	< 2	< 0.5	< 0.2	9	< 0.5

BHID	Sample	Lab Ref	From_m	To_m	Int_m	Cs_ppm	Ba_ppm	Bi_ppm	Hf_ppm	Ta_ppm	W_ppm	Tl_ppm	Pb_ppm	Th_ppm	U_ppm	Li_%	Li2O_%
J-17-01	588001	A17-14654	29.45	30.45	1.00	82.10	540	0.6	2.4	0.50	< 1	1.9	12	7.2	1.9	0.14	0.30
J-17-01	588002	A17-14654	30.45	31.45	1.00	82.70	552	0.5	2.7	0.60	< 1	2.4	11	7.7	2.4	0.15	0.33
J-17-01	588003	A17-14654	31.45	33.00	1.55	19.00	18	2.7	0.5	18.70	< 1	1.4	8	0.4	3.8	0.53	1.14
J-17-01	588004	A17-14654	33.00	34.00	1.00	55.20	59	4.8	0.8	17.30	< 1	7	16	0.4	3.6	0.76	1.63
J-17-01	588005	A17-14654	34.00	35.00	1.00	46.10	96	2.4	0.9	17.90	< 1	5.9	9	0.5	2.3	0.21	0.44
J-17-01	588006	A17-14654	35.00	36.00	1.00	78.40	50	1.2	0.5	25.10	< 1	9.9	17	0.4	6.3	0.50	1.07
J-17-01	588007	A17-14654	36.00	37.00	1.00	40.70	46	6	1	24.00	< 1	5.3	11	0.8	4.7	0.69	1.49
J-17-01	588008	A17-14654	37.00	38.00	1.00	42.30	90	5.5	0.3	12.00	< 1	5.5	9	0.4	2.8	0.36	0.78
J-17-01	588009	A17-14654	38.00	39.00	1.00	56.50	166	9.1	< 0.2	9.80	< 1	8.5	13	0.4	2.7	0.19	0.41
J-17-01	588011	A17-14654	39.00	40.00	1.00	70.70	101	9.3	0.5	6.20	< 1	11	22	0.9	12.7	0.23	0.50
J-17-01	588012	A17-14654	40.00	41.00	1.00	28.00	56	2.2	1	8.10	< 1	4.4	10	0.8	11.6	0.04	0.08
J-17-01	588013	A17-14654	41.00	42.00	1.00	36.30	20	2.5	1.2	31.70	2	5	9	0.7	8.8	0.01	0.03
J-17-01	588014	A17-14654	42.00	43.00	1.00	102.00	57	0.5	1	71.70	< 1	13	16	1	5.2	0.44	0.96
J-17-01	588015	A17-14654	43.00	44.00	1.00	93.00	29	0.6	0.6	40.30	< 1	13.4	18	0.4	4.6	0.30	0.65
J-17-01	588017	A17-14654	44.00	45.00	1.00	54.90	25	0.5	0.5	18.90	< 1	8.2	11	0.4	2.7	0.26	0.55
J-17-01	588018	A17-14654	45.00	46.00	1.00	45.40	44	1.5	1.7	58.00	< 1	6.3	11	0.7	5.4	0.01	0.03
J-17-01	588019	A17-14654	46.00	47.00	1.00	145.00	330	2.9	2.2	20.40	30	4.5	9	6.4	3.1	0.11	0.24
J-17-01	588021	A17-14654	47.00	48.00	1.00	110.00	400	0.5	3.5	0.60	< 1	3	10	7	1.9	0.12	0.27
J-17-01	588022	A17-14654	70.45	71.45	1.00	21.60	614	< 0.4	3.2	0.70	1	1	24	6.7	1.9	0.06	0.13
J-17-01	588023	A17-14654	71.45	72.45	1.00	21.30	526	1.4	3.3	1.50	55	1.1	19	7.8	2.4	0.07	0.15
J-17-01	588024	A17-14654	72.45	74.00	1.55	39.50	117	0.9	0.3	14.10	1	8.7	16	0.4	3	0.01	0.02
J-17-01	588025	A17-14654	74.00	75.00	1.00	25.10	40	0.4	0.8	14.00	< 1	5.6	11	1	2.3	0.01	0.02
J-17-01	588026	A17-14654	75.00	76.00	1.00	25.50	509	2.8	3	1.50	17	1.5	9	7.3	2.6	0.08	0.17
J-17-01	588027	A17-14654	76.00	77.00	1.00	41.50	603	0.6	3	0.50	< 1	1.4	39	7.4	2	0.07	0.15
J-17-01	588028	A17-14654	88.47	89.47	1.00	145.00	622	< 0.4	2.9	3.10	18	2.6	22	6.9	2.1	0.07	0.16
J-17-01	588029	A17-14654	89.47	90.47	1.00	67.70	355	< 0.4	3.4	5.70	146	2.6	12	7.4	2.2	0.07	0.15
J-17-01	588031	A17-14654	90.47	92.00	1.53	30.10	42	< 0.4	0.8	33.90	1	4.2	12	0.9	3.6	0.01	0.02
J-17-01	588032	A17-14654	92.00	93.27	1.27	30.90	44	< 0.4	0.6	20.40	10	4.8	11	0.6	2.2	0.01	0.02
J-17-01	588033	A17-14654	93.27	94.27	1.00	68.40	588	< 0.4	3.3	1.20	< 1	2.5	36	7.6	2.1	0.07	0.15
J-17-01	588034	A17-14654	94.27	95.27	1.00	42.50	780	< 0.4	3.3	0.50	< 1	1	16	8.2	2.3	0.07	0.15
J-18-01	588035	A18-01245	67.45	68.45	1.00	255.00	532	0.9	3.1	0.60	< 1	3.4	11	6.7	3.1	0.09	0.18
J-18-01	588036	A18-01245	68.45	69.45	1.00	302.00	537	< 0.4	3	4.70	2	6.3	11	8.3	3.1	0.09	0.19
J-18-01	588037	A18-01245	69.45	69.95	0.50	76.00	357	< 0.4	1.8	47.40	4	4.2	15	4.2	5.4	0.06	0.13
J-18-01	588038	A18-01245	69.95	71.00	1.05	28.00	26	< 0.4	0.6	23.60	1	3	11	0.8	5.9	0.17	0.38
J-18-01	588039	A18-01245	71.00	72.00	1.00	21.20	20	< 0.4	1	37.50	1	1.7	11	0.8	6.9	0.17	0.37
J-18-01	588041	A18-01245	72.00	73.00	1.00	46.40	32	< 0.4	0.9	20.70	2	7	6	0.6	4	0.02	0.03
J-18-01	588042	A18-01245	73.00	74.00	1.00	104.00	25	< 0.4	0.4	17.70	1	16.3	15	0.5	5.2	0.26	0.56
J-18-01	588043	A18-01245	74.00	75.00	1.00	43.20	20	< 0.4	0.7	23.30	1	5.6	10	0.7	5.2	0.82	1.76
J-18-01	588044	A18-01245	75.00	76.00	1.00	42.00	19	0.4	0.5	26.30	1	5.1	9	0.9	3.3	0.62	1.34
J-18-01	588045	A18-01245	76.00	77.00	1.00	75.80	22	< 0.4	0.5	14.50	< 1	10	10	0.5	3.5	0.04	0.10
J-18-01	588046	A18-01245	77.00	78.00	1.00	50.00	25	0.4	0.3	10.50	2	7.1	12	0.6	8.9	0.10	0.21

BHID	Sample	Lab Ref	From_m	To_m	Int_m	Cs_ppm	Ba_ppm	Bi_ppm	Hf_ppm	Ta_ppm	W_ppm	Tl_ppm	Pb_ppm	Th_ppm	U_ppm	Li_%	Li2O_%
J-18-01	588047	A18-01245	78.00	79.00	1.00	67.70	30	3.1	< 0.2	10.40	2	9.8	19	0.4	3	0.40	0.85
J-18-01	588048	A18-01245	79.00	80.00	1.00	39.00	21	2.9	0.2	2.80	1	6	10	0.7	3.1	0.21	0.44
J-18-01	588049	A18-01245	80.00	81.57	1.57	26.60	18	3.4	0.4	23.60	< 1	4.2	12	0.8	3.3	0.53	1.13
J-18-01	588051	A18-01245	81.57	83.00	1.43	221.00	468	0.8	2.3	2.50	1	3.5	22	6.9	2.4	0.14	0.30
J-18-01	588052	A18-01245	83.00	84.00	1.00	324.00	465	0.8	2.6	0.90	2	4.9	15	6.8	2.6	0.14	0.31
J-18-01	588053	A18-01245	84.00	85.00	1.00	37.70	29	0.7	1.3	20.10	< 1	4.7	14	0.8	7.9	0.24	0.52
J-18-01	588054	A18-01245	85.00	86.00	1.00	64.90	48	< 0.4	0.4	15.30	< 1	6.7	12	0.5	3.8	0.59	1.26
J-18-01	588055	A18-01245	86.00	87.00	1.00	38.70	29	1.8	0.5	28.30	< 1	3.7	12	0.8	5.7	0.84	1.81
J-18-01	588057	A18-01245	87.00	88.35	1.35	45.10	71	0.5	0.8	22.20	< 1	4.2	9	0.6	4.1	0.54	1.15
J-18-01	588058	A18-01245	88.35	89.35	1.00	351.00	566	0.8	3.1	1.00	2	7.8	20	7	2	0.14	0.31
J-18-01	588059	A18-01245	89.35	90.35	1.00	292.00	562	0.4	2.6	0.50	1	6.3	12	6.9	2	0.13	0.27
J-18-02	588061	A18-01245	78.45	79.45	1.00	132.00	432	3.9	3.2	2.60	2	2	27	8.5	2.5	0.08	0.17
J-18-02	588062	A18-01245	79.45	80.45	1.00	297.00	452	< 0.4	3.1	2.60	2	3.9	16	8.1	2.7	0.10	0.21
J-18-02	588063	A18-01245	80.45	82.00	1.55	42.00	33	< 0.4	0.6	47.10	< 1	4.9	9	0.7	5.3	0.09	0.20
J-18-02	588064	A18-01245	82.00	83.00	1.00	52.80	32	< 0.4	1	32.10	< 1	8.6	20	0.8	10.9	0.32	0.70
J-18-02	588065	A18-01245	83.00	84.00	1.00	66.00	81	< 0.4	0.6	19.30	< 1	9.9	16	0.6	7	0.29	0.62
J-18-02	588066	A18-01245	84.00	85.00	1.00	53.80	76	0.5	1.2	36.60	< 1	5.9	12	0.8	5.3	0.36	0.77
J-18-02	588067	A18-01245	85.00	86.00	1.00	45.60	49	0.4	0.7	41.70	< 1	4.5	17	0.9	7.2	0.71	1.54
J-18-02	588068	A18-01245	86.00	87.00	1.00	69.80	83	< 0.4	0.9	37.60	< 1	8.6	14	0.7	5.1	0.18	0.40
J-18-02	588069	A18-01245	87.00	88.00	1.00	39.30	29	1	0.9	43.70	< 1	3.7	11	0.9	6.9	0.37	0.79
J-18-02	588071	A18-01245	88.00	89.00	1.00	49.80	18	1.7	1.1	48.60	< 1	4.8	14	1	8.2	0.33	0.71
J-18-02	588072	A18-01245	89.00	90.00	1.00	50.30	29	1.1	1.2	51.10	< 1	5.3	14	0.8	6.7	0.32	0.68
J-18-02	588073	A18-01245	90.00	91.00	1.00	51.00	39	2.1	1.3	49.60	< 1	4.7	18	0.9	8.2	0.17	0.36
J-18-02	588074	A18-01245	91.00	92.00	1.00	48.80	19	0.4	1	52.20	< 1	4.8	14	1.1	8.2	0.44	0.96
J-18-02	588075	A18-01245	92.00	93.00	1.00	53.20	20	< 0.4	0.4	21.70	< 1	7.4	13	0.6	5	0.34	0.74
J-18-02	588077	A18-01245	93.00	94.00	1.00	63.60	23	< 0.4	0.4	15.30	1	8.8	20	1.1	13.6	0.63	1.35
J-18-02	588078	A18-01245	94.00	95.00	1.00	50.90	22	< 0.4	0.5	17.70	2	7.4	14	0.8	7.5	0.52	1.12
J-18-02	588079	A18-01245	95.00	96.00	1.00	57.90	35	0.5	0.9	49.50	< 1	7.1	14	1	6.7	0.28	0.60
J-18-02	588081	A18-01245	96.00	97.00	1.00	55.50	26	0.5	0.9	50.40	2	6.5	14	0.8	7.2	0.36	0.77
J-18-02	588082	A18-01245	97.00	98.00	1.00	56.70	19	0.7	0.5	24.40	< 1	6.6	12	0.6	5.1	0.40	0.86
J-18-02	588083	A18-01245	98.00	99.00	1.00	59.10	39	0.9	0.4	19.90	1	5.7	12	0.6	5.6	0.12	0.26
J-18-02	588084	A18-01245	99.00	100.00	1.00	44.90	34	< 0.4	2.9	9.30	< 1	4.3	19	0.7	20	0.15	0.32
J-18-02	588085	A18-01245	100.00	101.00	1.00	61.10	41	< 0.4	1.9	30.30	< 1	5.8	18	0.8	12.4	0.60	1.29
J-18-02	588086	A18-01245	101.00	102.00	1.00	66.60	102	2.5	0.8	18.40	< 1	6	12	0.3	5	0.38	0.81
J-18-02	588087	A18-01245	102.00	103.00	1.00	44.30	30	0.7	0.5	25.80	< 1	5.1	10	0.4	3.5	0.62	1.34
J-18-02	588088	A18-01245	103.00	104.00	1.00	68.50	54	0.6	0.4	22.60	< 1	7.6	13	0.6	5.9	0.28	0.59
J-18-02	588089	A18-01245	104.00	105.00	1.00	38.80	34	0.4	3.6	70.50	2	4.6	21	1.7	23.6	0.06	0.13
J-18-02	588091	A18-01245	105.00	106.00	1.00	48.60	44	< 0.4	1.7	15.80	4	5.5	12	0.4	7.3	0.04	0.09
J-18-02	588092	A18-01245	106.00	107.00	1.00	44.10	41	< 0.4	1.5	18.90	< 1	5.2	12	0.5	9	0.06	0.13
J-18-02	588093	A18-01245	107.00	108.00	1.00	39.50	61	< 0.4	2.6	17.20	1	4.4	14	0.5	11.8	0.02	0.04
J-18-02	588094	A18-01245	108.00	109.00	1.00	65.40	46	< 0.4	2.9	28.80	< 1	8.1	16	0.6	12.7	0.01	0.03

BHID	Sample	Lab Ref	From_m	To_m	Int_m	Cs_ppm	Ba_ppm	Bi_ppm	Hf_ppm	Ta_ppm	W_ppm	Tl_ppm	Pb_ppm	Th_ppm	U_ppm	Li_%	Li2O_%
J-18-02	588095	A18-01245	109.00	110.00	1.00	30.30	48	< 0.4	1.2	40.00	< 1	3.9	10	0.8	8.2	0.02	0.04
J-18-02	588097	A18-01245	110.00	111.00	1.00	59.30	118	0.6	3.4	59.10	6	4.3	8	1.9	7.6	0.04	0.08
J-18-02	588098	A18-01245	111.00	112.00	1.00	50.90	96	< 0.4	3.4	23.10	2	4.3	9	1.5	8	0.03	0.08
J-18-02	588099	A18-01245	112.00	112.70	0.70	26.10	26	< 0.4	0.6	39.30	1	3.4	7	0.6	4.7	0.01	0.02
J-18-02	588101	A18-01245	112.70	113.39	0.69	206.00	373	< 0.4	3.4	6.70	2	7.7	10	8.2	2.9	0.11	0.23
J-18-02	588102	A18-01245	113.39	113.68	0.29	23.60	128	< 0.4	0.6	3.50	4	1.8	< 5	1.7	1.2	0.03	0.06
J-18-02	588103	A18-01245	113.68	114.68	1.00	164.00	430	< 0.4	3.4	0.70	< 1	3.5	10	7.3	2.8	0.09	0.20
J-18-03	588104	A18-01245	8.40	9.40	1.00	19.40	699	< 0.4	3.5	0.50	4	1.3	8	7.7	2.5	0.06	0.14
J-18-03	588105	A18-01245	9.40	10.40	1.00	21.60	608	< 0.4	3.5	0.50	< 1	0.9	8	7.7	3.8	0.07	0.15
J-18-03	588106	A18-01245	10.40	11.40	1.00	68.70	184	< 0.4	1	31.60	2	3	< 5	0.7	2	0.94	2.01
J-18-03	588107	A18-01245	11.40	12.40	1.00	40.90	170	< 0.4	1.9	45.40	< 1	2.2	< 5	0.9	2.3	1.22	2.63
J-18-03	588108	A18-01245	12.40	13.40	1.00	10.00	27	0.4	3.7	43.60	2	0.4	6	1.9	3.3	0.01	0.02
J-18-03	588109	A18-01245	13.40	14.40	1.00	11.80	16	< 0.4	3.6	38.80	< 1	0.2	6	1.7	2.4	0.01	0.02
J-18-03	588111	A18-01245	14.40	15.40	1.00	9.30	22	< 0.4	1.3	31.30	< 1	0.9	< 5	1	1.9	0.01	0.02
J-18-03	588112	A18-01245	15.40	16.50	1.10	23.00	39	< 0.4	1.8	52.80	< 1	2.7	9	1	2.3	0.01	0.02
J-18-03	588113	A18-01245	16.50	17.50	1.00	164.00	705	< 0.4	4	0.90	< 1	3.6	11	8.5	5.5	0.08	0.18
J-18-03	588114	A18-01245	17.50	18.50	1.00	156.00	1,071.00	0.4	4.9	0.60	< 1	2	10	10.3	4.4	0.08	0.17
J-18-03	588115	A18-01245	32.85	33.67	0.82	35.10	46	< 0.4	2.9	109.00	< 1	2.6	10	1.2	5.6	0.01	0.02
J-18-03	588117	A18-01245	106.50	107.50	1.00	96.30	669	< 0.4	3	0.60	< 1	1.6	14	7.1	2.1	0.09	0.19
J-18-03	588118	A18-01245	107.50	108.50	1.00	95.30	526	< 0.4	2.8	3.70	< 1	2.7	13	5.9	4.1	0.08	0.18
J-18-03	588119	A18-01245	108.50	109.50	1.00	18.50	61	< 0.4	8.4	134.00	1	2.7	10	1.9	11.3	0.01	0.02
J-18-03	588121	A18-01245	109.50	110.50	1.00	43.50	65	< 0.4	0.8	17.20	1	4.9	11	0.7	5.3	0.48	1.04
J-18-03	588122	A18-01245	110.50	111.50	1.00	40.10	76	1.6	1	33.70	< 1	4.2	13	1	8.4	0.50	1.07
J-18-03	588123	A18-01245	111.50	112.50	1.00	41.60	170	1.2	1.2	20.70	2	5.4	13	0.9	7.5	0.18	0.38
J-18-03	588124	A18-01245	112.50	113.20	0.70	25.50	188	1.1	2.1	28.60	< 1	3.5	9	1.2	9.3	0.09	0.20
J-18-03	588125	A18-01245	113.20	114.20	1.00	338.00	447	1.8	4.5	2.20	2	8.3	9	8.8	5.5	0.14	0.31
J-18-03	588126	A18-01245	114.20	115.20	1.00	127.00	628	0.7	4	0.50	6	2.6	9	8.4	2.9	0.10	0.22
J-18-03	588127	A18-01245	117.50	118.50	1.00	63.40	540	2.1	3.7	0.50	< 1	1.2	19	8.2	2.8	0.11	0.23
J-18-03	588128	A18-01245	118.50	119.50	1.00	30.60	523	0.6	3.6	0.50	8	1.5	9	7.6	2.9	0.10	0.21
J-18-03	588129	A18-01245	119.50	120.50	1.00	154.00	567	< 0.4	3.5	0.50	1	2.6	13	8	4.1	0.14	0.31
J-18-03	588131	A18-01245	120.50	121.50	1.00	59.40	224	5	2.5	16.60	< 1	6.3	19	0.6	13.7	0.19	0.41
J-18-03	588132	A18-01245	121.50	122.50	1.00	71.70	100	1.4	0.8	66.90	< 1	8.7	11	0.9	7.2	0.18	0.38
J-18-03	588133	A18-01245	122.50	123.50	1.00	47.20	109	1.5	0.6	13.10	3	5	7	0.4	3.5	0.09	0.19
J-18-03	588134	A18-01245	123.50	124.50	1.00	20.60	66	< 0.4	0.4	10.50	< 1	2.6	< 5	0.2	1.1	0.02	0.04
J-18-03	588135	A18-01245	124.50	125.20	0.70	28.70	46	< 0.4	2.3	43.00	< 1	3	< 5	0.7	2.7	0.01	0.02
J-18-03	588137	A18-01245	125.20	126.20	1.00	71.70	298	1.6	2.2	2.40	3	2.3	9	6.6	5.4	0.11	0.23
J-18-03	588138	A18-01245	126.20	127.20	1.00	40.80	388	0.6	2.5	0.50	38	0.8	8	7.6	3.2	0.11	0.23
J-18-04	588139	A18-01245	2.20	3.00	0.80	37.50	88	< 0.4	0.7	37.20	< 1	2.7	< 5	0.6	2.7	1.32	2.83
J-18-04	588141	A18-01245	3.00	4.00	1.00	31.50	54	< 0.4	1.2	35.40	117	3.4	< 5	0.5	3.4	1.02	2.20
J-18-04	588142	A18-01245	4.00	5.00	1.00	39.40	67	< 0.4	2.5	27.80	< 1	3.7	7	0.5	3.6	0.59	1.28
J-18-04	588143	A18-01245	5.00	6.00	1.00	89.90	326	< 0.4	1.7	66.00	< 1	8.7	7	0.8	5.7	1.00	2.15

BHID	Sample	Lab Ref	From m	To m	Int m	Cs ppm	Ba ppm	Bi ppm	Hf ppm	Ta ppm	W ppm	Tl ppm	Pb ppm	Th ppm	U ppm	Li %	Li2O %
J-18-04	588144	A18-01245	6.00	7.00	1.00	47.40	61	< 0.4	1.1	74.60	< 1	4.5	15	1.3	13.9	1.94	4.17
J-18-04	588145	A18-01245	7.00	8.00	1.00	20.90	40	< 0.4	0.9	12.40	< 1	1	< 5	1.8	0.6	2.22	4.79
J-18-04	588146	A18-01245	8.00	9.43	1.43	44.90	39	< 0.4	2.3	221.00	< 1	4.4	10	1.5	4.3	0.33	0.72
J-18-04	588147	A18-01245	9.43	10.43	1.00	202.00	546	< 0.4	2.6	7.30	1	5	15	8.3	3.2	0.11	0.24
J-18-04	588148	A18-01245	10.43	11.43	1.00	79.60	691	< 0.4	2.1	0.60	1	1.2	12	8.6	2.5	0.09	0.19
J-18-04	588149	A18-01245	120.20	120.42	0.22	32.80	102	< 0.4	1.6	116.00	< 1	3.1	11	0.9	6.9	0.01	0.02
J-18-04	588151	A18-01245	150.50	151.50	1.00	242.00	643	1	2.9	0.60	1	3.8	18	7.5	2.2	0.13	0.28
J-18-04	588152	A18-01245	151.50	152.50	1.00	221.00	413	< 0.4	2.5	7.50	2	7.7	12	6.4	2.4	0.13	0.28
J-18-04	588153	A18-01245	152.50	154.00	1.50	57.90	76	0.4	2.7	51.00	1	5.4	7	1.8	6.8	0.06	0.14
J-18-04	588154	A18-01245	154.00	155.00	1.00	65.00	30	< 0.4	2.8	52.40	21	7.4	< 5	0.4	4.5	0.02	0.05
J-18-04	588155	A18-01245	155.00	156.00	1.00	39.40	37	< 0.4	0.6	38.10	< 1	4.8	10	0.7	4	0.33	0.71
J-18-04	588157	A18-01245	156.00	157.00	1.00	90.60	100	< 0.4	0.3	12.30	< 1	12.6	13	0.4	5.1	0.18	0.38
J-18-04	588158	A18-01245	157.00	158.00	1.00	57.50	37	< 0.4	0.5	10.00	< 1	8.5	9	0.4	3.6	0.03	0.06
J-18-04	588159	A18-01245	158.00	159.00	1.00	135.00	41	< 0.4	< 0.2	2.20	< 1	26.3	23	< 0.1	0.8	0.01	0.02
J-18-04	588161	A18-01245	159.00	160.00	1.00	75.80	32	< 0.4	1.5	14.80	< 1	13.3	19	0.8	12.6	0.05	0.10
J-18-04	588162	A18-01245	160.00	161.00	1.00	69.30	21	< 0.4	1.4	14.30	< 1	10.9	12	0.4	6.4	0.16	0.34
J-18-04	588163	A18-01245	161.00	162.00	1.00	58.70	27	< 0.4	0.7	8.90	< 1	8.9	11	0.4	3.2	0.31	0.67
J-18-04	588164	A18-01245	162.00	163.00	1.00	109.00	47	< 0.4	6.1	9.80	13	17.3	23	0.9	16.8	0.08	0.16
J-18-04	588165	A18-01245	163.00	164.00	1.00	52.00	23	0.5	2	44.70	< 1	9.4	15	0.6	5.5	0.02	0.04
J-18-04	588166	A18-01245	164.00	165.00	1.00	99.00	61	< 0.4	0.7	30.10	< 1	16.1	18	0.6	4.5	0.21	0.46
J-18-04	588167	A18-01245	165.00	166.00	1.00	20.00	28	0.8	2	38.10	< 1	2.9	10	1.2	6.9	0.36	0.78
J-18-04	588168	A18-01245	166.00	167.00	1.00	29.60	63	0.6	1.9	59.40	< 1	2.4	11	1.2	7	0.47	1.01
J-18-04	588169	A18-01245	167.00	168.00	1.00	27.70	36	< 0.4	1.1	34.70	< 1	3.9	10	0.7	3	0.05	0.10
J-18-04	588171	A18-01245	168.00	168.50	0.50	26.80	28	0.5	2.5	105.00	132	3.3	7	1	6.7	0.01	0.02
J-18-04	588172	A18-01245	168.50	168.85	0.35	35.30	224	< 0.4	3.1	46.50	3	1.9	11	7.7	2.4	0.13	0.28
J-18-04	588173	A18-01245	168.85	169.50	0.65	66.80	136	2.6	3.8	181.00	77	5.4	12	1.3	6.8	0.03	0.06
J-18-04	588174	A18-01245	169.50	170.50	1.00	183.00	623	0.7	3.4	4.50	2	5.8	14	8.6	3.2	0.15	0.32
J-18-04	588175	A18-01245	170.50	171.50	1.00	158.00	673	0.7	3.2	0.80	1	5.4	16	8.3	2.5	0.14	0.31
J-18-04	588177	A18-01245	176.00	177.00	1.00	62.70	461	0.7	3.7	0.50	45	1.3	10	8.2	2.4	0.07	0.16
J-18-04	588178	A18-01245	177.00	178.00	1.00	16.00	187	2.5	0.7	0.10	12	0.6	< 5	2	0.8	0.02	0.04
J-18-05	588179	A18-01502	1.00	1.50	0.50	55.60	36	0.5	1.1	12.00	1	3.6	7	0.4	2	1.18	2.54
J-18-05	588181	A18-01502	1.50	2.50	1.00	38.20	41	0.4	1.6	18.80	2	3.2	6	0.5	2.9	0.73	1.58
J-18-05	588182	A18-01502	2.50	3.50	1.00	23.80	41	< 0.4	2.5	40.40	27	3.1	13	1.6	7.4	0.01	0.02
J-18-05	588183	A18-01502	3.50	4.86	1.36	47.00	62	0.4	1.7	105.00	1	5.8	16	1	3.7	0.01	0.02
J-18-05	588184	A18-01502	4.86	5.86	1.00	121.00	567	< 0.4	3.9	5.30	2	5.5	10	8.2	4.8	0.13	0.29
J-18-05	588185	A18-01502	5.86	6.86	1.00	68.10	589	< 0.4	3.8	0.60	2	2.7	7	7.9	2.3	0.13	0.29
J-18-05	588186	A18-01502	22.80	23.45	0.65	10.40	59	< 0.4	1.1	234.00	2	1.7	7	0.4	5.4	0.01	0.02
J-18-05	588187	A18-01502	69.55	70.40	0.85	42.20	259	< 0.4	0.5	24.20	2	3.4	< 5	1.8	3.3	0.01	0.02
J-18-05	588188	A18-01502	87.33	88.33	1.00	7.40	172	< 0.4	2.2	0.30	< 1	0.7	< 5	1.1	0.3	0.01	0.03
J-18-05	588189	A18-01502	88.33	89.33	1.00	5.60	126	< 0.4	1.9	0.40	< 1	0.6	< 5	1.1	0.4	0.01	0.03
J-18-05	588191	A18-01502	89.33	90.50	1.17	15.80	547	< 0.4	0.6	8.90	< 1	3.4	7	0.2	2.9	0.02	0.05

BHID	Sample	Lab Ref	From_m	To_m	Int_m	Cs_ppm	Ba_ppm	Bi_ppm	Hf_ppm	Ta_ppm	W_ppm	Tl_ppm	Pb_ppm	Th_ppm	U_ppm	Li_%	Li2O_%
J-18-05	588192	A18-01502	90.50	91.50	1.00	13.00	159	< 0.4	0.9	21.20	< 1	1.9	< 5	0.6	4.1	0.02	0.04
J-18-05	588193	A18-01502	91.50	92.50	1.00	31.80	395	0.4	0.4	15.70	< 1	4.9	10	0.4	5.2	0.02	0.05
J-18-05	588194	A18-01502	92.50	93.50	1.00	43.10	366	0.6	0.6	19.20	< 1	7.6	18	0.5	6	0.13	0.28
J-18-05	588195	A18-01502	93.50	94.50	1.00	41.60	263	0.8	1	19.90	< 1	6.9	14	0.5	5.1	0.27	0.57
J-18-05	588197	A18-01502	94.50	95.50	1.00	63.00	181	1	0.8	49.20	< 1	12	11	0.5	3.7	0.22	0.47
J-18-05	588198	A18-01502	95.50	96.50	1.00	44.50	92	< 0.4	1	51.80	1	4.5	9	0.7	8.8	0.40	0.86
J-18-05	588199	A18-01502	96.50	97.50	1.00	69.60	102	1.3	0.5	19.20	< 1	9.6	19	0.7	15	0.41	0.89
J-18-05	588201	A18-01502	97.50	98.50	1.00	31.60	98	1.7	0.6	27.70	2	5.4	16	0.6	6.1	0.70	1.51
J-18-05	588202	A18-01502	98.50	99.50	1.00	27.70	92	1.2	1.1	29.80	1	5.8	20	1.3	14.1	0.67	1.44
J-18-05	588203	A18-01502	99.50	100.70	1.20	28.80	93	0.6	1.7	54.70	< 1	4.4	8	0.9	5.3	0.18	0.40
J-18-05	588204	A18-01502	100.70	101.70	1.00	40.30	235	< 0.4	2.8	3.20	1	1.4	11	6.5	3.7	0.08	0.16
J-18-05	588205	A18-01502	101.70	102.70	1.00	52.10	500	< 0.4	3.2	19.70	2	1.7	7	6.7	3.2	0.07	0.15
J-18-05	588206	A18-01502	121.75	122.75	1.00	15.70	479	0.5	4.6	0.70	4	1.3	11	9	3.2	0.06	0.13
J-18-05	588207	A18-01502	122.75	123.75	1.00	10.00	345	0.7	2.9	17.50	2	1	< 5	6.1	3	0.04	0.09
J-18-05	588208	A18-01502	123.75	124.75	1.00	6.30	20	< 0.4	0.8	9.20	< 1	0.9	< 5	0.5	1.8	0.01	0.02
J-18-05	588209	A18-01502	124.75	125.60	0.85	12.10	40	< 0.4	0.9	12.50	< 1	1.8	< 5	0.6	2.9	0.01	0.02
J-18-05	588211	A18-01502	125.60	126.60	1.00	13.10	482	0.8	3.7	3.80	3	1	< 5	7.7	3	0.05	0.10
J-18-05	588212	A18-01502	126.60	127.60	1.00	12.50	531	0.6	3.7	0.40	2	0.9	12	7.5	2.4	0.05	0.11
J-18-06	588213	A18-03395	79.80	80.80	1.00	58.80	539	0.6	2.6	0.40	1	1	43	7.8	2.1	0.14	0.30
J-18-06	588214	A18-03395	80.80	81.80	1.00	206.00	458	0.4	2.6	0.90	55	2.7	16	7.6	2.1	0.12	0.25
J-18-06	588215	A18-03395	81.80	83.00	1.20	33.60	58	< 0.4	1.7	46.70	< 1	4	12	1.1	13.7	0.18	0.40
J-18-06	588217	A18-03395	83.00	84.00	1.00	41.10	142	< 0.4	1.5	24.00	< 1	6.2	10	0.9	7	0.03	0.06
J-18-06	588218	A18-03395	84.00	85.00	1.00	47.60	155	< 0.4	0.4	20.80	5	7.2	10	0.7	4.7	0.08	0.18
J-18-06	588219	A18-03395	85.00	86.00	1.00	69.60	96	< 0.4	0.5	26.50	< 1	6.7	12	0.7	5.7	0.05	0.11
J-18-06	588221	A18-03395	86.00	87.00	1.00	49.10	94	< 0.4	0.7	17.50	< 1	5.3	12	1	6.5	0.04	0.08
J-18-06	588222	A18-03395	87.00	88.00	1.00	122.00	158	< 0.4	1.5	18.60	< 1	6.4	6	3.1	2.5	0.06	0.14
J-18-06	588223	A18-03395	88.00	89.00	1.00	112.00	217	0.5	2.6	20.50	< 1	7	9	5.2	4.3	0.08	0.16
J-18-06	588224	A18-03395	89.00	90.00	1.00	24.20	30	< 0.4	1.2	28.90	< 1	3	6	1	10	0.05	0.11
J-18-06	588225	A18-03395	90.00	91.00	1.00	38.90	33	0.4	1.5	19.90	< 1	5.6	14	1.1	13.3	0.65	1.40
J-18-06	588226	A18-03395	91.00	92.00	1.00	36.20	161	1.7	0.4	6.50	< 1	4.2	10	0.7	6.6	0.53	1.14
J-18-06	588227	A18-03395	92.00	93.00	1.00	38.10	130	3.7	0.6	56.50	< 1	3.4	9	0.6	5.3	1.03	2.21
J-18-06	588228	A18-03395	93.00	94.00	1.00	40.40	94	3.1	0.6	24.20	< 1	3.3	7	0.5	3.5	1.17	2.51
J-18-06	588229	A18-03395	94.00	95.00	1.00	37.00	94	0.7	0.4	10.90	< 1	3.3	5	0.3	2.1	1.02	2.19
J-18-06	588231	A18-03395	95.00	96.00	1.00	39.90	23	2.6	0.6	12.00	< 1	5.9	11	0.5	2.9	0.41	0.89
J-18-06	588232	A18-03395	96.00	97.00	1.00	39.10	26	7	1.5	26.20	< 1	6.3	16	1.4	6.8	0.39	0.83
J-18-06	588233	A18-03395	97.00	98.36	1.36	45.50	20	< 0.4	1.6	37.00	5	9.4	13	1.2	3.6	0.02	0.05
J-18-06	588234	A18-03395	98.36	99.36	1.00	27.00	499	< 0.4	2.8	0.70	< 1	2.8	15	7.4	2.2	0.12	0.25
J-18-06	588235	A18-03395	99.36	100.36	1.00	15.60	410	< 0.4	2.4	0.50	< 1	0.6	11	6.5	2	0.08	0.18
J-18-07	588237	A18-03203	13.95	14.95	1.00	109.00	521	3	3.8	0.50	3	0.5	8	3.3	1	0.08	0.18
J-18-07	588238	A18-03203	14.95	15.95	1.00	172.00	486	2.1	3.7	0.80	4	1.3	11	2.8	1.1	0.09	0.19
J-18-07	588239	A18-03203	15.95	17.00	1.05	52.90	80	2.6	1.1	52.10	2	2.1	12	0.5	4.3	0.01	0.03



BHID	Sample	Lab Ref	From_m	To_m	Int_m	Cs_ppm	Ba_ppm	Bi_ppm	Hf_ppm	Ta_ppm	W_ppm	Tl_ppm	Pb_ppm	Th_ppm	U_ppm	Li_%	Li2O_%
J-18-07	588241	A18-03203	17.00	18.00	1.00	61.40	45	0.6	0.8	37.30	2	6.1	25	1.2	16.2	0.48	1.02
J-18-07	588242	A18-03203	18.00	19.35	1.35	73.50	155	< 0.4	2.2	28.50	3	5.6	12	1.8	9.6	0.09	0.18
J-18-07	588243	A18-03203	19.35	21.00	1.65	463.00	521	< 0.4	3.1	25.50	2	10.5	12	5.8	2.4	0.14	0.30
J-18-07	588244	A18-03203	21.00	21.55	0.55	12.90	78	< 0.4	1.3	28.90	< 1	2.1	8	0.6	4.8	0.01	0.02
J-18-07	588245	A18-03203	21.55	22.55	1.00	191.00	672	0.5	3	3.20	2	2.9	21	6.5	2	0.09	0.20
J-18-07	588246	A18-03203	22.55	23.55	1.00	95.90	785	< 0.4	3.4	0.50	< 1	1.4	22	7.2	2.1	0.09	0.19
J-18-07	588247	A18-03203	111.65	112.65	1.00	8.90	202	< 0.4	2.4	0.30	1	0.7	5	2.2	1	0.01	0.02
J-18-07	588248	A18-03203	112.65	112.75	0.10	7.00	323	1.7	1.9	66.30	< 1	0.3	27	1.7	6	0.01	0.02
J-18-07	588249	A18-03203	112.75	113.75	1.00	19.80	385	< 0.4	3.2	2.30	< 1	0.6	64	6.5	4.6	0.02	0.05
J-18-08	588251	A18-03395	17.17	18.17	1.00	137.00	455	0.5	3.5	0.50	< 1	0.9	14	8.3	2.4	0.09	0.20
J-18-08	588252	A18-03395	18.17	19.17	1.00	184.00	453	1.5	3.1	0.60	< 1	2.7	16	7.8	2.2	0.09	0.20
J-18-08	588253	A18-03395	19.17	20.00	0.83	87.00	21	1.4	0.4	49.00	< 1	14	23	0.4	4.4	0.03	0.07
J-18-08	588254	A18-03395	20.00	21.00	1.00	46.40	31	< 0.4	1.3	60.30	< 1	7	11	0.5	5.9	0.07	0.16
J-18-08	588255	A18-03395	21.00	22.10	1.10	46.00	31	1.9	1.4	30.80	< 1	6.6	13	1	5.5	0.03	0.07
J-18-08	588257	A18-03395	22.10	23.10	1.00	434.00	445	1.4	3.3	4.90	< 1	7.5	19	7.6	2.7	0.13	0.28
J-18-08	588258	A18-03395	23.10	24.30	1.20	402.00	431	0.8	3	7.10	< 1	6.7	10	7.2	2.3	0.14	0.30
J-18-08	588259	A18-03395	24.30	25.00	0.70	81.70	35	0.6	0.3	12.30	< 1	11.3	17	0.2	1.8	0.18	0.38
J-18-08	588261	A18-03395	25.00	26.00	1.00	64.40	19	1.2	0.5	22.00	1	9.4	17	0.4	4	0.33	0.70
J-18-08	588262	A18-03395	26.00	27.00	1.00	20.00	26	1.7	0.8	50.80	< 1	3.1	7	0.5	2	0.03	0.07
J-18-08	588263	A18-03395	27.00	28.00	1.00	166.00	375	1.5	3.1	1.40	7	3.3	11	7	2.1	0.12	0.25
J-18-08	588264	A18-03395	28.00	29.00	1.00	197.00	373	0.5	2.8	0.40	3	2.4	12	6.1	1.7	0.17	0.37
J-18-08	588265	A18-03395	32.18	33.18	1.00	260.00	480	1	3.3	0.40	< 1	3.8	16	7	1.8	0.11	0.25
J-18-08	588266	A18-03395	33.18	34.18	1.00	217.00	386	1.5	3.3	1.50	< 1	4.7	10	6.8	2.1	0.11	0.23
J-18-08	588267	A18-03395	34.18	35.00	0.82	40.10	36	< 0.4	1.8	224.00	1	5.1	19	1.4	16.1	0.04	0.08
J-18-08	588268	A18-03395	35.00	36.00	1.00	27.60	22	3.5	0.9	30.60	< 1	2.2	12	0.9	7.2	1.04	2.23
J-18-08	588269	A18-03395	36.00	37.00	1.00	35.20	43	1.5	1.1	18.10	< 1	3.8	8	0.4	3.1	0.69	1.49
J-18-08	588271	A18-03395	37.00	38.00	1.00	38.10	60	0.5	0.9	56.40	< 1	4.5	8	0.7	4.2	0.05	0.10
J-18-08	588272	A18-03395	38.00	38.75	0.75	54.70	90	0.7	1.8	51.80	4	4.6	9	2.5	5.7	0.39	0.84
J-18-08	588273	A18-03395	38.75	39.75	1.00	164.00	145	< 0.4	1.9	39.90	< 1	6.5	8	2.7	4.2	0.06	0.14
J-18-08	588274	A18-03395	39.75	40.75	1.00	38.10	21	1.3	0.8	47.10	< 1	3.5	10	0.9	3.3	0.52	1.12
J-18-08	588275	A18-03395	40.75	41.75	1.00	27.30	10	2.7	0.8	31.00	1	2.7	11	0.6	4.6	0.13	0.29
J-18-08	588277	A18-03395	41.75	42.75	1.00	23.40	54	2	0.8	32.60	< 1	1.6	< 5	0.8	2.7	1.15	2.48
J-18-08	588278	A18-03395	42.75	43.75	1.00	74.10	36	4.5	1.3	51.70	< 1	9.5	16	1	4.6	0.46	0.98
J-18-08	588279	A18-03395	43.75	44.75	1.00	17.40	12	9.6	0.8	32.00	2	3.1	6	0.8	2.6	0.01	0.02
J-18-08	588281	A18-03395	44.75	45.75	1.00	108.00	315	2.8	2.8	5.30	< 1	3.7	15	6.3	1.9	0.09	0.19
J-18-08	588282	A18-03395	45.75	46.75	1.00	111.00	450	0.8	2.4	0.50	< 1	2.2	11	6.3	2.1	0.10	0.21
J-18-08	588283	A18-03395	96.47	97.47	1.00	5.10	176	0.6	1.9	0.30	< 1	0.8	5	1.3	0.4	0.01	0.02
J-18-08	588284	A18-03395	97.47	98.47	1.00	5.50	144	1.4	2	0.30	< 1	0.5	< 5	1.3	0.3	0.01	0.02
J-18-08	588285	A18-03395	98.47	99.20	0.73	18.10	184	< 0.4	1.6	3.00	< 1	2	6	1.3	0.7	0.01	0.03
J-18-08	588286	A18-03395	99.20	100.20	1.00	3.10	98	< 0.4	1.6	21.70	< 1	0.8	8	0.7	8.5	0.01	0.02
J-18-08	588287	A18-03395	100.20	100.90	0.70	132.00	438	< 0.4	0.9	28.50	< 1	14.2	17	0.6	3.8	0.01	0.02

BHID	Sample	Lab Ref	From_m	To_m	Int_m	Cs_ppm	Ba_ppm	Bi_ppm	Hf_ppm	Ta_ppm	W_ppm	Tl_ppm	Pb_ppm	Th_ppm	U_ppm	Li_%	Li2O_%	
J-18-08	588288	A18-03395	100.90	101.70	0.80	3.40	70	< 0.4	2.6	2.70	< 1	1.7	< 5	0.9	3.2	0.01	0.02	
J-18-08	588289	A18-03395	101.70	102.40	0.70	8.10	120	< 0.4	2	0.40	< 1	0.8	< 5	1.3	0.4	0.01	0.02	
J-18-08	588291	A18-03395	102.40	103.40	1.00	16.90	181	< 0.4	0.7	8.20	< 1	3.1	7	0.9	5.5	0.01	0.02	
J-18-08	588292	A18-03395	103.40	104.40	1.00	24.70	301	< 0.4	0.3	7.90	< 1	5	7	0.6	1.8	0.01	0.02	
J-18-08	588293	A18-03395	104.40	105.40	1.00	35.60	242	< 0.4	0.4	8.00	< 1	7.5	11	0.4	1.7	0.01	0.02	
J-18-08	588294	A18-03395	105.40	106.35	0.95	20.70	157	0.5	0.7	20.30		2	4.3	9	1.1	3	0.01	0.02
J-18-08	588295	A18-03395	106.35	107.35	1.00	26.20	499	< 0.4	3.1	0.50		2	1.7	22	7.1	2	0.05	0.11
J-18-08	588297	A18-03395	107.35	108.35	1.00	24.20	735	< 0.4	2.7	0.50	< 1	1.2	17	6.6	1.8	0.05	0.10	
J-18-09	588298	A18-03203	15.45	16.45	1.00	28.20	227	< 0.4	3	0.90	< 1	0.5	7	7.7	2.4	0.02	0.05	
J-18-09	588299	A18-03203	16.45	16.66	0.21	29.80	127	< 0.4	3.9	221.00	< 1	2	12	2	9.5	0.01	0.02	
J-18-09	588301	A18-03203	16.66	17.66	1.00	28.60	258	0.4	4.1	1.50	< 1	1.8	8	6.4	1.9	0.02	0.05	
J-18-09	588302	A18-03203	29.06	30.06	1.00	9.10	154	< 0.4	3.1	2.90		1	0.6	< 5	7.9	3	0.03	0.05
J-18-09	588303	A18-03203	30.06	30.30	0.24	20.60	121	1	1.9	82.00		1	2.1	7	3.1	5.7	0.02	0.03
J-18-09	588304	A18-03203	30.30	31.30	1.00	3.00	285	0.4	3.4	1.00		1	0.4	< 5	7.3	3	0.02	0.05
J-18-09	588305	A18-03203	56.40	57.40	1.00	16.50	232	0.7	3.4	1.20		3	0.7	< 5	6.9	5.6	0.05	0.10
J-18-09	588306	A18-03203	57.40	58.40	1.00	15.40	124	0.5	3	3.00		3	0.9	< 5	5.8	6.9	0.03	0.07
J-18-09	588307	A18-03203	58.40	59.40	1.00	18.70	75	< 0.4	0.6	15.00	< 1	1.8	< 5	0.8	2.8	0.01	0.02	
J-18-09	588308	A18-03203	59.40	60.40	1.00	26.00	59	0.6	< 0.2	7.00	< 1	2.6	< 5	0.5	1.3	0.01	0.02	
J-18-09	588309	A18-03203	60.40	61.40	1.00	41.00	61	< 0.4	1.6	13.80	< 1	5.6	10	0.6	2.3	0.01	0.02	
J-18-09	588311	A18-03203	61.40	62.40	1.00	35.90	119	0.4	7.5	64.40	< 1	2.7	22	5.1	17.6	0.01	0.02	
J-18-09	588312	A18-03203	62.40	63.40	1.00	68.70	131	< 0.4	4.2	14.90	< 1	9.8	11	1	5	0.01	0.02	
J-18-09	588313	A18-03203	63.40	64.40	1.00	32.10	159	0.6	2.2	3.90	< 1	4.7	6	0.9	1.3	0.01	0.03	
J-18-09	588314	A18-03203	64.40	65.40	1.00	40.40	80	< 0.4	1.6	10.10	< 1	6.2	8	0.3	3.2	0.01	0.02	
J-18-09	588315	A18-03203	65.40	66.40	1.00	29.60	279	< 0.4	1.3	15.70	< 1	4.4	8	0.5	8	0.01	0.02	
J-18-09	588317	A18-03203	66.40	67.40	1.00	30.10	486	< 0.4	0.6	14.20	< 1	5.5	7	0.5	3.2	0.01	0.02	
J-18-09	588318	A18-03203	67.40	68.30	0.90	12.60	966	0.4	0.8	11.50	< 1	2.9	< 5	0.4	4.1	0.01	0.02	
J-18-09	588319	A18-03203	68.30	69.30	1.00	5.90	137	0.4	2.3	0.40		1	0.5	< 5	1.2	0.4	0.01	0.03
J-18-09	588321	A18-03203	69.30	70.30	1.00	4.20	135	4.2	2.4	0.30		2	1.3	< 5	1.2	0.4	0.01	0.02
J-18-09	588322	A18-03203	87.30	88.30	1.00	4.50	186	< 0.4	2.2	0.30	< 1	0.6	< 5	1.1	0.4	0.01	0.02	
J-18-09	588323	A18-03203	88.30	89.30	1.00	4.00	166	< 0.4	2.2	0.90	< 1	0.4	5	1.2	0.4	0.01	0.02	
J-18-09	588324	A18-03203	89.30	90.15	0.85	7.90	293	0.5	0.9	28.50	< 1	1.4	7	0.6	5.2	0.01	0.02	
J-18-09	588325	A18-03203	90.15	90.90	0.75	6.90	148	< 0.4	2.1	0.80	< 1	0.5	< 5	1.1	0.7	0.01	0.03	
J-18-09	588326	A18-03203	90.90	92.00	1.10	45.10	414	< 0.4	0.7	90.70	< 1	6.7	9	0.3	3.5	0.01	0.02	
J-18-09	588327	A18-03203	92.00	93.00	1.00	34.40	268	< 0.4	0.7	17.90	< 1	5.1	6	0.4	2.7	0.01	0.02	
J-18-09	588328	A18-03203	93.00	94.00	1.00	12.10	140	< 0.4	0.6	27.80	< 1	2.5	5	0.5	4.1	0.01	0.02	
J-18-09	588329	A18-03203	94.00	95.00	1.00	6.70	98	< 0.4	0.6	9.60	< 1	1.4	< 5	1	4.2	0.01	0.02	
J-18-09	588331	A18-03203	95.00	96.00	1.00	17.60	126	0.8	1	31.10	< 1	3	7	1.1	3.8	0.01	0.02	
J-18-09	588332	A18-03203	96.00	97.00	1.00	11.20	119	0.9	1.1	43.00	< 1	1.9	6	1.2	4.6	0.01	0.02	
J-18-09	588333	A18-03203	97.00	98.00	1.00	15.00	45	0.7	0.6	15.60		1	2.7	6	0.8	3.7	0.01	0.02
J-18-09	588334	A18-03203	98.00	98.75	0.75	8.10	24	< 0.4	1.4	44.00	< 1	1.6	6	1.5	6.3	0.01	0.02	
J-18-09	588335	A18-03203	98.75	99.75	1.00	4.40	122	0.7	2.5	3.10		3	0.6	< 5	6.3	3.3	0.03	0.07

BHID	Sample	Lab Ref	From_m	To_m	Int_m	Cs_ppm	Ba_ppm	Bi_ppm	Hf_ppm	Ta_ppm	W_ppm	Tl_ppm	Pb_ppm	Th_ppm	U_ppm	Li_%	Li2O_%
J-18-09	588337	A18-03203	99.75	100.75	1.00	21.10	208	0.9	2.7	1.20	4	0.3	< 5	6	1.8	0.03	0.07
J-18-09	588338	A18-03203	112.75	113.75	1.00	46.50	278	< 0.4	3.2	0.40	< 1	0.4	19	7.3	2.1	0.03	0.07
J-18-09	588339	A18-03203	113.75	114.75	1.00	23.80	377	< 0.4	2.7	2.60	< 1	0.5	29	6.4	1.9	0.03	0.06
J-18-09	588341	A18-03203	114.75	115.75	1.00	13.50	104	0.6	2.1	62.20		2.2	9	3.3	3.8	0.01	0.03
J-18-09	588342	A18-03203	115.75	116.60	0.85	13.90	85	< 0.4	2.6	50.50	1	1.9	9	1.6	5.4	0.01	0.02
J-18-09	588343	A18-03203	116.60	117.60	1.00	31.50	212	< 0.4	2.6	5.20	1	0.9	6	6.1	2.6	0.03	0.06
J-18-09	588344	A18-03203	117.60	118.25	0.65	14.70	210	< 0.4	2.9	3.70	< 1	0.5	7	6.5	2.4	0.02	0.05
J-18-09	588345	A18-03203	118.25	119.20	0.95	10.70	69	< 0.4	1.2	49.90	< 1	1.3	8	0.5	2.6	0.01	0.02
J-18-09	588346	A18-03203	119.20	120.20	1.00	27.40	320	< 0.4	2.8	0.50	< 1	0.8	11	6.1	1.8	0.03	0.06
J-18-09	588347	A18-03203	120.20	121.20	1.00	24.20	429	< 0.4	2.7	0.40	< 1	0.4	19	5.6	1.7	0.02	0.05
J-18-10	588348	A18-03203	72.10	73.10	1.00	70.50	415	0.5	2.5	0.40	< 1	1	12	5.4	1.5	0.09	0.19
J-18-10	588349	A18-03203	73.10	74.10	1.00	136.00	546	< 0.4	3	0.50	< 1	2.3	7	6.7	3	0.13	0.29
J-18-10	588351	A18-03203	74.10	75.10	1.00	33.40	43	< 0.4	0.9	26.80	< 1	3.9	8	0.6	4.8	0.67	1.45
J-18-10	588352	A18-03203	75.10	76.10	1.00	51.80	27	< 0.4	2.3	25.00	< 1	6	13	0.5	7.1	0.59	1.26
J-18-10	588353	A18-03203	76.10	77.10	1.00	93.50	32	< 0.4	0.3	6.50	< 1	15.4	16	0.2	1.8	0.60	1.28
J-18-10	588354	A18-03203	77.10	78.10	1.00	106.00	40	0.6	< 0.2	3.30	< 1	20.3	29	0.6	11.8	0.15	0.31
J-18-10	588355	A18-03203	78.10	79.10	1.00	116.00	43	1.5	0.5	17.00	< 1	24.6	29	0.2	10	0.03	0.07
J-18-10	588357	A18-03203	79.10	80.10	1.00	53.90	19	< 0.4	8	29.90	3	7.4	42	1.7	48.2	0.34	0.72
J-18-10	588358	A18-03203	80.10	81.10	1.00	35.70	30	2.6	1.2	18.60	2	5.6	16	0.7	13.8	0.59	1.28
J-18-10	588359	A18-03203	81.10	82.10	1.00	54.80	27	3.9	3.4	9.50	2	8.8	21	1.3	22.8	0.26	0.55
J-18-10	588361	A18-03203	82.10	83.10	1.00	55.20	20	0.9	1	12.40	1	9.9	13	0.4	5.6	0.06	0.13
J-18-10	588362	A18-03203	83.10	84.10	1.00	42.60	66	11.4	0.3	7.20	< 1	5.8	12	0.5	5.9	0.50	1.07
J-18-10	588363	A18-03203	84.10	85.10	1.00	23.90	44	6.8	0.6	19.70	1	3.6	9	0.8	4.1	0.43	0.92
J-18-10	588364	A18-03203	85.10	86.10	1.00	19.50	82	2	1.1	32.40	< 1	1.7	10	1.2	5.7	0.54	1.15
J-18-10	588365	A18-03203	86.10	87.60	1.50	25.90	71	< 0.4	0.8	21.90	< 1	4.7	10	0.7	2.7	0.02	0.04
J-18-10	588366	A18-03203	87.60	88.60	1.00	57.40	484	< 0.4	3.3	4.90	< 1	3.7	10	6.1	2.8	0.10	0.22
J-18-10	588367	A18-03203	88.60	89.60	1.00	30.10	625	0.4	3.6	0.50	2	1.2	11	7.2	2.1	0.10	0.21
J-18-11	588368	A18-03203	6.00	7.00	1.00	18.80	36	< 0.4	2.3	68.30	< 1	1.6	12	1.8	14	0.26	0.56
J-18-11	588369	A18-03203	7.00	8.00	1.00	23.90	107	< 0.4	2.8	40.60	< 1	1.8	12	1.6	11.8	0.26	0.56
J-18-11	588371	A18-03203	8.00	9.20	1.20	48.90	19	< 0.4	5.7	584.00	< 1	4.1	9	1.5	7.8	0.02	0.04
J-18-11	588372	A18-03203	9.20	10.20	1.00	124.00	458	0.4	4.3	3.40	6	2.5	14	8.5	2.8	0.11	0.24
J-18-11	588373	A18-03203	10.20	11.20	1.00	33.40	558	< 0.4	4	0.60	< 1	0.7	17	8.2	2.6	0.11	0.23
J-18-11	588374	A18-03203	11.20	12.20	1.00	40.50	489	< 0.4	3.8	0.50	2	0.4	16	7.8	2.3	0.09	0.18
J-18-11	588375	A18-03203	12.20	13.10	0.90	127.00	397	< 0.4	4	4.40	1	2.2	10	7.9	2.6	0.08	0.16
J-18-11	588377	A18-03203	13.10	14.10	1.00	133.00	107	< 0.4	3.2	111.00	< 1	8.7	11	0.8	2.9	0.01	0.02
J-18-11	588378	A18-03203	14.10	15.10	1.00	225.00	475	0.5	4.5	4.80	< 1	3	14	8.5	2.9	0.07	0.14
J-18-11	588379	A18-03203	15.10	16.10	1.00	118.00	564	0.4	4.8	0.70	< 1	1.1	14	9.7	2.9	0.07	0.15
J-18-11	588381	A18-03203	77.35	78.35	1.00	59.30	599	0.6	3	0.70	< 1	1.1	10	8.3	2.9	0.09	0.19
J-18-11	588382	A18-03203	78.35	79.35	1.00	59.10	586	0.6	3.4	0.70	1	1.4	10	8.2	2.9	0.10	0.22
J-18-11	588383	A18-03203	79.35	80.35	1.00	33.00	34	< 0.4	1	21.70	1	5.8	13	0.7	6.5	0.06	0.14
J-18-11	588384	A18-03203	80.35	81.35	1.00	37.80	42	< 0.4	0.5	13.90	< 1	5.8	16	0.7	6.9	0.63	1.35

BHID	Sample	Lab Ref	From_m	To_m	Int_m	Cs_ppm	Ba_ppm	Bi_ppm	Hf_ppm	Ta_ppm	W_ppm	Tl_ppm	Pb_ppm	Th_ppm	U_ppm	Li_%	Li2O_%
J-18-11	588385	A18-03203	81.35	82.35	1.00	26.60	85	1.4	1	16.90	< 1	4.7	12	0.6	5.5	0.63	1.35
J-18-11	588386	A18-03203	82.35	83.35	1.00	45.60	154	< 0.4	0.7	20.10	< 1	6.6	12	0.6	3.6	0.36	0.78
J-18-11	588387	A18-03203	83.35	84.35	1.00	32.20	94	< 0.4	0.9	22.40	< 1	3.5	12	0.6	7.3	0.50	1.08
J-18-11	588388	A18-03203	84.35	85.35	1.00	49.60	61	0.6	0.9	10.70	< 1	5.9	14	0.6	5.2	0.63	1.36
J-18-11	588389	A18-03203	85.35	86.35	1.00	50.60	72	1	0.4	11.90	< 1	7.4	16	0.4	5.5	0.45	0.97
J-18-11	588391	A18-03203	86.35	87.35	1.00	62.80	32	< 0.4	1	14.00	< 1	7.6	24	1.4	11.7	0.51	1.10
J-18-11	588392	A18-03203	87.35	88.35	1.00	49.60	35	0.6	0.8	24.90	< 1	5.7	16	0.8	8.1	0.45	0.97
J-18-11	588393	A18-03203	88.35	89.60	1.25	40.60	57	1.2	1.6	29.80	< 1	4.8	15	1.1	8.5	0.51	1.10
J-18-11	588394	A18-03203	89.60	90.20	0.60	260.00	335	0.7	3	8.70	< 1	8.2	10	6.6	2.7	0.12	0.26
J-18-11	588395	A18-03203	90.20	91.00	0.80	25.00	102	< 0.4	0.4	24.00	< 1	3.6	14	0.9	8.3	0.30	0.66
J-18-11	588397	A18-03203	91.00	92.00	1.00	60.30	267	0.4	2.2	32.30	3	5.6	9	3.7	5.4	0.09	0.19
J-18-11	588398	A18-03203	92.00	93.00	1.00	138.00	665	0.5	3.4	3.90	1	4.8	12	7.8	4.1	0.11	0.24
J-18-11	588399	A18-03203	93.00	94.00	1.00	71.70	670	0.6	3.3	0.70	1	1.9	14	7.7	2.6	0.10	0.21
J-18-11	588401	A18-03203	111.18	111.56	0.38	60.50	248	6	3.1	14.80	< 1	3.3	15	4.9	4.4	0.03	0.06
J-18-12	588402	A18-03395	7.70	8.03	0.33	59.40	176	< 0.4	1.6	84.30	< 1	2.7	14	2.2	4.2	0.02	0.05
J-18-12	588403	A18-03395	60.20	60.40	0.20	26.40	200	< 0.4	3	149.00	< 1	2.2	22	3.3	6.9	0.02	0.03
J-18-12	588404	A18-03395	70.20	71.20	1.00	30.20	563	< 0.4	3.3	0.60	< 1	1.2	15	8.6	2.5	0.08	0.17
J-18-12	588405	A18-03395	71.20	72.20	1.00	27.90	475	< 0.4	3.3	0.80	< 1	1.4	12	8.6	3.7	0.08	0.17
J-18-12	588406	A18-03395	72.20	73.00	0.80	78.70	52	0.7	0.5	29.90	< 1	12.6	21	0.3	2	0.01	0.02
J-18-12	588407	A18-03395	73.00	74.00	1.00	41.90	36	0.6	3.2	119.00	2	5.3	19	1.2	12.4	0.47	1.02
J-18-12	588408	A18-03395	74.00	75.00	1.00	48.90	91	1.1	0.7	33.90	< 1	6.8	15	0.6	5.3	0.59	1.26
J-18-12	588409	A18-03395	75.00	76.00	1.00	37.00	83	1.9	0.9	30.20	< 1	4.7	14	0.6	4.5	0.70	1.50
J-18-12	588411	A18-03395	76.00	77.00	1.00	34.10	38	3.5	0.3	24.60	1	3	13	0.6	5.9	0.84	1.80
J-18-12	588412	A18-03395	77.00	78.00	1.00	25.30	74	2.2	0.5	20.20	< 1	2.4	6	0.4	2.6	1.10	2.36
J-18-12	588413	A18-03395	78.00	79.00	1.00	43.90	53	3.9	0.5	20.30	< 1	5.3	18	0.9	10.8	0.31	0.66
J-18-12	588414	A18-03395	79.00	80.00	1.00	63.80	64	4	0.8	43.10	2	8.1	14	0.6	8.8	0.29	0.63
J-18-12	588415	A18-03395	80.00	81.00	1.00	60.00	105	21.8	1.8	24.20	< 1	2.2	13	0.7	9.5	1.11	2.39
J-18-12	588417	A18-03395	81.00	82.00	1.00	45.20	73	1.5	0.6	34.10	< 1	5.2	10	0.6	5.4	0.22	0.48
J-18-12	588418	A18-03395	82.00	83.00	1.00	62.60	174	3	1.2	63.00	3	5	7	1.4	5.1	0.04	0.08
J-18-12	588419	A18-03395	83.00	84.00	1.00	20.40	49	< 0.4	1.2	41.00	< 1	4.1	9	0.9	2.6	0.01	0.02
J-18-12	588421	A18-03395	84.00	85.00	1.00	51.70	130	0.4	1.3	39.30	< 1	7.3	10	0.8	6.1	0.01	0.03
J-18-12	588422	A18-03395	85.00	86.00	1.00	76.50	124	1.5	0.7	42.40	< 1	6.8	14	0.6	13.6	0.32	0.69
J-18-12	588423	A18-03395	86.00	87.00	1.00	87.00	94	0.5	0.7	32.50	< 1	9.3	12	0.4	4.6	0.36	0.77
J-18-12	588424	A18-03395	87.00	88.00	1.00	68.00	167	1.2	1.2	44.60	< 1	6.5	10	0.9	7	0.01	0.03
J-18-12	588425	A18-03395	88.00	89.00	1.00	28.40	100	1.2	1.1	68.90	3	1.3	12	1.2	17.4	0.01	0.02
J-18-12	588426	A18-03395	89.00	90.00	1.00	63.70	139	0.9	0.7	24.20	< 1	5.6	14	0.5	18.7	0.01	0.03
J-18-12	588427	A18-03395	90.00	91.00	1.00	77.00	191	0.6	0.5	22.00	< 1	9	14	0.7	4.3	0.02	0.03
J-18-12	588428	A18-03395	91.00	92.00	1.00	53.10	98	0.7	0.6	25.20	1	6.5	12	0.7	4.6	0.16	0.35
J-18-12	588429	A18-03395	92.00	93.00	1.00	37.10	160	0.5	1	41.50	< 1	3.8	13	1.3	8.6	0.12	0.25
J-18-12	588431	A18-03395	93.00	94.00	1.00	50.90	226	0.6	1.1	46.20	< 1	3.7	10	1.1	6.9	0.22	0.48
J-18-12	588432	A18-03395	94.00	95.00	1.00	40.90	90	0.5	0.6	29.10	< 1	5.3	11	0.6	3.2	0.03	0.05

BHID	Sample	Lab Ref	From_m	To_m	Int_m	Cs_ppm	Ba_ppm	Bi_ppm	Hf_ppm	Ta_ppm	W_ppm	Tl_ppm	Pb_ppm	Th_ppm	U_ppm	Li_%	Li2O_%
J-18-12	588433	A18-03395	95.00	96.50	1.50	19.90	41	0.8	1.7	35.00	< 1	2.8	10	1.2	7.2	0.01	0.02
J-18-12	588434	A18-03395	96.50	97.50	1.00	14.00	204	0.4	2.8	9.70	3	1.3	18	5.4	10	0.10	0.22
J-18-12	588435	A18-03395	97.50	98.50	1.00	85.20	451	< 0.4	2.8	0.60	1	2	10	6.8	2.4	0.09	0.20
J-18-13	588437	A18-03395	63.40	64.40	1.00	66.30	462	< 0.4	2.7	0.50	< 1	1.3	10	7	2	0.11	0.23
J-18-13	588438	A18-03395	64.40	65.40	1.00	133.00	500	0.4	3	0.60	< 1	3.4	11	6.9	3.7	0.13	0.27
J-18-13	588439	A18-03395	65.40	66.00	0.60	37.40	20	< 0.4	0.8	24.90	1	4.4	9	0.7	5	0.01	0.03
J-18-13	588441	A18-03395	66.00	67.00	1.00	74.90	37	< 0.4	0.7	82.70	1	9.5	17	0.6	4.9	0.40	0.87
J-18-13	588442	A18-03395	67.00	68.00	1.00	40.30	47	0.5	0.4	18.60	< 1	6.2	14	0.8	5.5	0.69	1.49
J-18-13	588443	A18-03395	68.00	69.00	1.00	33.20	29	2.2	0.9	13.80	< 1	4.5	12	0.9	9.9	0.18	0.40
J-18-13	588444	A18-03395	69.00	70.00	1.00	64.70	34	1.1	1.9	32.10	< 1	6.4	14	0.9	9.5	0.53	1.14
J-18-13	588445	A18-03395	70.00	71.00	1.00	41.80	21	1.1	0.8	19.50	2	5.1	10	1.2	8.2	0.04	0.09
J-18-13	588446	A18-03395	71.00	72.00	1.00	39.40	26	1.7	0.4	5.80	1	4.6	11	0.5	9.3	0.06	0.13
J-18-13	588447	A18-03395	72.00	73.00	1.00	30.50	30	14.3	0.5	15.40	4	3	14	0.7	9.6	0.44	0.94
J-18-13	588448	A18-03395	73.00	74.00	1.00	69.70	157	0.8	0.5	16.40	3	7.7	15	0.5	4.8	0.34	0.73
J-18-13	588449	A18-03395	74.00	75.00	1.00	51.70	138	1.5	0.6	21.60	< 1	6.8	12	0.7	2.5	0.54	1.17
J-18-13	588451	A18-03395	75.00	76.00	1.00	63.60	33	0.7	0.5	15.20	< 1	7.8	14	0.8	2.8	0.38	0.83
J-18-13	588452	A18-03395	76.00	77.00	1.00	71.00	81	0.4	0.9	18.60	< 1	10.6	17	0.6	2.5	0.31	0.66
J-18-13	588453	A18-03395	77.00	78.03	1.03	21.30	17	0.4	1	28.30	3	3.6	8	1.1	5	0.02	0.05
J-18-13	588454	A18-03395	78.03	79.03	1.00	220.00	398	1.1	2.8	0.80	4	3.7	11	6.9	3.2	0.15	0.32
J-18-13	588455	A18-03395	79.03	80.03	1.00	69.90	608	0.8	2.8	0.50	4	1.5	13	7.3	3.1	0.14	0.29
J-18-13	588457	A18-03395	230.65	231.65	1.00	96.40	582	1.2	3.2	0.30	4,120.00	0.6	9	3.5	1.1	0.06	0.14
J-18-13	588458	A18-03395	231.65	232.65	1.00	97.30	610	1.1	3	0.40	44	1	8	2.8	0.9	0.08	0.17
J-18-13	588459	A18-03395	232.65	233.65	1.00	36.80	23	4	1.9	20.00	18	2.5	8	0.3	3.2	1.34	2.89
J-18-13	588461	A18-03395	233.65	235.00	1.35	297.00	381	1.4	2.7	29.00	10	7	9	3.1	1.8	0.09	0.19
J-18-13	588462	A18-03395	235.00	236.00	1.00	54.40	13	3.9	0.5	19.90	9	1.5	9	< 0.1	2.6	2.37	5.11
J-18-13	588463	A18-03395	236.00	237.00	1.00	71.80	12	3	0.4	29.80	8	1.9	5	< 0.1	0.7	2.30	4.94
J-18-13	588464	A18-03395	237.00	237.65	0.65	33.00	23	4.6	0.9	20.00	6	1.2	7	0.6	2.8	1.37	2.94
J-18-13	588465	A18-03395	237.65	238.65	1.00	128.00	506	1.1	3.7	2.40	7	1.3	8	3.8	1.2	0.09	0.20
J-18-13	588466	A18-03395	238.65	239.65	1.00	79.50	436	2.6	3.3	0.40	7	0.5	9	3.3	0.9	0.06	0.13
J-18-14	588468	A18-03395	8.75	9.75	1.00	259.00	575	< 0.4	3.9	0.60	3	5.1	15	9	2.6	0.10	0.21
J-18-14	588469	A18-03395	9.75	10.75	1.00	52.20	56	< 0.4	2	136.00	3	4.7	9	0.9	3.5	0.01	0.02
J-18-14	588471	A18-03395	10.75	11.90	1.15	25.50	59	< 0.4	1.8	78.80	4	2.5	10	1	5.6	0.01	0.02
J-18-14	588472	A18-03395	11.90	12.90	1.00	107.00	462	< 0.4	4.6	4.20	4	2.4	15	9.8	3.3	0.07	0.15
J-18-14	588473	A18-03395	12.90	13.90	1.00	96.00	614	< 0.4	4	0.50	2	1.1	16	8.8	2.7	0.07	0.14
J-18-14	588474	A18-03395	82.70	83.70	1.00	96.00	567	< 0.4	3	0.50	4	1.5	14	8.4	2.5	0.12	0.26
J-18-14	588475	A18-03395	83.70	84.70	1.00	95.40	616	< 0.4	3.4	3.70	2	2.1	13	8.6	3	0.10	0.21
J-18-14	588477	A18-03395	84.70	85.70	1.00	39.00	58	0.4	0.9	21.50	< 1	7.3	13	1.1	5.8	0.22	0.46
J-18-14	588478	A18-03395	85.70	86.70	1.00	53.80	36	1.4	0.4	19.50	3	5.5	11	0.6	3.8	0.53	1.15
J-18-14	588479	A18-03395	86.70	87.70	1.00	43.40	43	< 0.4	0.7	23.40	3	5.2	14	0.5	4.4	0.60	1.29
J-18-14	588481	A18-03395	87.70	88.70	1.00	40.50	67	3.4	1.5	30.60	5	3.5	13	1.3	7.2	0.49	1.05
J-18-14	588482	A18-03395	88.70	89.70	1.00	59.40	49	< 0.4	0.7	7.40	4	8.6	39	1.4	21.1	0.47	1.01

BHID	Sample	Lab Ref	From_m	To_m	Int_m	Cs_ppm	Ba_ppm	Bi_ppm	Hf_ppm	Ta_ppm	W_ppm	Tl_ppm	Pb_ppm	Th_ppm	U_ppm	Li_%	Li2O_%
J-18-14	588483	A18-03395	89.70	90.60	0.90	27.50	70	0.6	1	50.70	3	2.6	11	1.1	6.6	0.40	0.86
J-18-14	588484	A18-03395	90.60	91.60	1.00	81.90	601	< 0.4	3.5	1.40	4	2.8	15	8	2.5	0.11	0.23
J-18-14	588485	A18-03395	91.60	92.60	1.00	59.00	655	0.8	3.8	0.50	1	1.6	19	8.8	3.4	0.11	0.24
J-18-14	588486	A18-03395	102.40	102.85	0.45	17.80	55	< 0.4	1.1	66.20	5	2.3	12	1.1	3.7	0.01	0.02
J-18-14	588487	A18-03395	104.10	105.10	1.00	109.00	559	< 0.4	3.1	0.60	3	3.3	15	9	2.9	0.11	0.24
J-18-14	588488	A18-03395	105.10	106.45	1.35	22.50	43	< 0.4	1.7	55.20	5	3.3	11	0.9	7.9	0.01	0.02
J-18-14	588489	A18-03395	106.45	107.45	1.00	67.80	448	< 0.4	3.6	1.80	6	2.3	14	9.3	4.3	0.07	0.15
J-18-15	588491	A18-06153	22.35	23.35	1.00	368.00	357	0.4	3.5	4.10	12	5.8	8	4.1	1.2	0.09	0.19
J-18-15	588492	A18-06153	23.35	23.75	0.40	160.00	232	0.4	1.8	12.30	9	10.2	17	2.1	4.6	0.11	0.23
J-18-15	588493	A18-06153	23.75	24.75	1.00	642.00	620	< 0.4	4	2.30	17	9.9	8	6.9	1.8	0.14	0.31
J-18-15	588494	A18-06153	26.67	27.67	1.00	200.00	789	0.7	3.4	0.70	8	3	14	7.2	2.1	0.14	0.30
J-18-15	588495	A18-06153	27.67	28.67	1.00	208.00	740	0.5	3.2	2.20	5	1.9	11	7.6	2.8	0.14	0.29
J-18-15	588497	A18-06153	28.67	30.00	1.33	56.90	60	< 0.4	1.3	58.00	< 1	5.3	16	1.9	15.6	0.01	0.03
J-18-15	588498	A18-06153	30.00	31.00	1.00	49.00	23	0.7	0.8	36.90	< 1	4.7	12	1.2	12.7	0.03	0.07
J-18-15	588499	A18-06153	31.00	32.00	1.00	93.30	65	2	0.8	58.80	4	7	19	1.7	22.8	0.07	0.15
J-18-15	788001	A18-06153	32.00	33.11	1.11	54.50	68	7.2	0.3	14.30	7	5.1	14	0.7	10.7	0.18	0.39
J-18-15	788002	A18-06153	33.11	34.11	1.00	9.10	141	1.3	2.3	0.50	3	0.9	5	1.3	0.4	0.03	0.06
J-18-15	788003	A18-06153	34.11	35.11	1.00	4.40	246	< 0.4	2	0.30	3	0.5	< 5	1.1	0.3	0.04	0.09
J-18-15	788004	A18-06153	43.46	44.46	1.00	4.00	132	< 0.4	2.3	0.30	4	0.3	< 5	1.2	0.4	0.02	0.05
J-18-15	788005	A18-06153	44.46	45.46	1.00	6.40	108	0.9	2.1	0.30	1	0.1	< 5	1.1	0.3	0.02	0.04
J-18-15	788006	A18-06153	45.46	46.00	0.54	34.10	99	< 0.4	0.4	14.20	< 1	2.4	9	0.8	4.3	0.33	0.71
J-18-15	788007	A18-06153	46.00	47.00	1.00	37.00	24	0.8	0.5	26.00	1	3	8	0.9	6.9	0.31	0.66
J-18-15	788008	A18-06153	47.00	48.00	1.00	36.30	30	2.7	0.7	36.10	4	3	12	0.9	10.3	0.36	0.78
J-18-15	788009	A18-06153	48.00	49.00	1.00	37.70	41	3.9	0.9	22.00	2	3.3	14	1	10.9	0.56	1.20
J-18-15	788011	A18-06153	49.00	50.00	1.00	43.90	66	3	1.5	20.80	2	5.4	16	1.6	14.6	0.48	1.04
J-18-15	788012	A18-06153	50.00	51.00	1.00	57.60	25	2.9	0.7	26.40	1	5	24	1.7	18.8	0.20	0.42
J-18-15	788013	A18-06153	51.00	52.00	1.00	37.00	55	5.8	1.6	21.20	2	3.2	19	2.3	18.1	0.10	0.23
J-18-15	788014	A18-06153	52.00	53.00	1.00	51.70	28	7.1	0.3	24.20	< 1	4.2	27	0.9	10.3	0.53	1.15
J-18-15	788015	A18-06153	53.00	54.00	1.00	33.20	25	13.4	0.8	21.70	2	2.9	16	1.2	13	0.60	1.30
J-18-15	788017	A18-06153	54.00	55.18	1.18	29.70	61	0.5	5.4	37.70	4	2.2	21	1.5	25.3	0.29	0.63
J-18-15	788018	A18-06153	55.18	56.18	1.00	249.00	415	23.9	3.2	42.50	3	4.6	13	5.2	4.6	0.09	0.19
J-18-15	788019	A18-06153	56.18	57.18	1.00	375.00	718	1.9	3.4	0.50	2	3.7	14	7.2	2.1	0.13	0.29
J-18-15	788021	A18-06153	57.75	58.75	1.00	235.00	389	< 0.4	3.5	0.50	< 1	3.2	9	5.3	1.6	0.08	0.18
J-18-15	788022	A18-06153	58.75	59.75	1.00	229.00	684	1.8	3.5	5.70	1	3.1	14	7.5	2.5	0.12	0.26
J-18-15	788023	A18-06153	59.75	61.00	1.25	30.50	39	5	2.8	35.80	2	3.3	14	1.4	12.9	0.04	0.09
J-18-15	788024	A18-06153	61.00	62.00	1.00	51.10	16	11.7	0.8	23.20	5	3.6	15	0.9	8.7	0.65	1.40
J-18-15	788025	A18-06153	62.00	63.00	1.00	51.80	23	11	0.9	11.60	2	3.8	21	1.1	10.4	0.78	1.67
J-18-15	788026	A18-06153	63.00	64.00	1.00	50.20	36	4.3	1	10.10	< 1	4.1	13	0.9	9.6	0.39	0.83
J-18-15	788027	A18-06153	64.00	65.33	1.33	24.40	26	11.3	1.8	34.50	4	2.3	19	1.4	12.1	0.65	1.40
J-18-15	788028	A18-06153	65.33	66.33	1.00	177.00	780	1.9	6.4	4.00	8	3.6	9	7.5	1.8	0.10	0.22
J-18-15	788029	A18-06153	66.33	67.33	1.00	148.00	789	< 0.4	7	4.60	< 1	2.1	13	8.4	1.7	0.08	0.18

BHID	Sample	Lab Ref	From_m	To_m	Int_m	Cs_ppm	Ba_ppm	Bi_ppm	Hf_ppm	Ta_ppm	W_ppm	Tl_ppm	Pb_ppm	Th_ppm	U_ppm	Li_%	Li2O_%
J-18-15	788031	A18-06153	89.26	90.26	1.00	141.00	542	2.4	4.1	0.50	4	2	6	3.4	0.9	0.07	0.15
J-18-15	788032	A18-06153	90.26	91.26	1.00	261.00	653	< 0.4	4.3	0.90	22	1.5	7	3.6	1.1	0.09	0.20
J-18-15	788033	A18-06153	91.26	92.25	0.99	47.40	16	< 0.4	< 0.2	6.50	< 1	6.6	5	0.1	1	0.03	0.06
J-18-15	788034	A18-06153	92.25	93.25	1.00	148.00	38	< 0.4	< 0.2	5.20	< 1	18	21	0.2	3.5	0.01	0.02
J-18-15	788035	A18-06153	93.25	94.25	1.00	140.00	26	2.2	1.7	20.00	12	17.3	17	0.6	5.2	0.01	0.02
J-18-15	788037	A18-06153	94.25	95.25	1.00	100.00	40	2.2	1.4	25.80	< 1	11.4	15	0.5	4.8	0.04	0.08
J-18-15	788038	A18-06153	95.25	96.25	1.00	92.60	43	2.8	1.5	16.30	4	11.3	15	1.1	8.8	0.02	0.04
J-18-15	788039	A18-06153	96.25	97.25	1.00	75.70	58	< 0.4	0.6	13.90	5	13.9	17	0.3	3.6	0.01	0.02
J-18-15	788041	A18-06153	97.25	98.25	1.00	84.10	47	< 0.4	1.1	21.50	4	17.1	20	0.2	3.8	0.01	0.02
J-18-15	788042	A18-06153	98.25	99.25	1.00	29.10	94	< 0.4	2.4	34.70	4	4.8	8	1.5	6.2	0.02	0.05
J-18-15	788043	A18-06153	99.25	100.25	1.00	27.40	191	< 0.4	1.3	41.80	15	3.7	13	0.7	2.8	0.02	0.03
J-18-15	788044	A18-06153	100.25	101.25	1.00	120.00	610	< 0.4	3.7	2.60	1	2.7	16	7.7	2.4	0.09	0.20
J-18-15	788045	A18-06153	101.25	102.25	1.00	74.50	605	< 0.4	3.8	1.80	< 1	1.4	17	7.2	2.2	0.08	0.17
J-18-16	788046	A18-06701	64.90	65.90	1.00	42.10	448	< 0.4	2.5	0.40	< 1	1.4	8	5.1	1.4	0.03	0.06
J-18-16	788047	A18-06701	65.90	66.90	1.00	35.90	333	< 0.4	2.5	0.40	< 1	1.3	< 5	3.9	1	0.02	0.05
J-18-16	788048	A18-06701	66.90	67.90	1.00	13.80	30	< 0.4	0.3	20.10	< 1	1.9	< 5	0.4	1.9	0.01	0.02
J-18-16	788049	A18-06701	67.90	68.90	1.00	13.20	11	< 0.4	0.8	59.50	< 1	1.8	5	0.6	4.7	0.01	0.02
J-18-16	788051	A18-06701	68.90	69.90	1.00	9.00	10	< 0.4	0.4	11.40	< 1	3.7	< 5	0.6	2.5	0.01	0.02
J-18-16	788052	A18-06701	69.90	70.50	0.60	10.90	70	< 0.4	0.9	31.20	3	1.9	< 5	0.8	3.8	0.01	0.02
J-18-16	788053	A18-06701	70.50	71.50	1.00	76.70	870	< 0.4	3.4	0.70	< 1	2	13	6.3	1.9	0.03	0.07
J-18-16	788054	A18-06701	71.50	72.50	1.00	47.90	832	< 0.4	3.3	0.40	< 1	1	15	6.5	2	0.03	0.06
J-18-17	788055	A18-06701	13.05	14.05	1.00	67.10	400	0.5	2.4	0.50	< 1	1	< 5	4.2	1.5	0.05	0.10
J-18-17	788057	A18-06701	14.05	15.05	1.00	132.00	640	1.2	1.9	4.80	25	2.4	5	6.2	3.8	0.09	0.19
J-18-17	788058	A18-06701	15.05	16.05	1.00	29.80	72	< 0.4	0.9	80.40	3	3.5	14	2.1	10.7	0.01	0.02
J-18-17	788059	A18-06701	16.05	17.05	1.00	34.30	82	< 0.4	1.2	48.80	< 1	5.8	19	0.9	10.8	0.01	0.02
J-18-17	788061	A18-06701	17.05	18.05	1.00	13.30	122	< 0.4	1.9	2.50	6	0.4	< 5	1.3	0.7	0.01	0.02
J-18-17	788062	A18-06701	18.05	19.05	1.00	14.90	125	< 0.4	2.1	0.30	< 1	0.3	< 5	1.3	0.3	0.01	0.02
J-18-17	788063	A18-06701	71.60	72.60	1.00	251.00	968	< 0.4	3.4	1.30	1	3.5	15	9	2.5	0.05	0.11
J-18-17	788064	A18-06701	72.60	73.60	1.00	268.00	458	1.1	3.5	1.20	< 1	5.5	9	7.7	2.7	0.04	0.09
J-18-17	788065	A18-06701	73.60	74.60	1.00	45.50	59	< 0.4	0.6	64.30	< 1	7.1	12	0.3	2.1	0.01	0.02
J-18-17	788066	A18-06701	74.60	75.60	1.00	6.80	10	< 0.4	0.6	18.40	< 1	1.7	< 5	0.5	3.6	0.01	0.02
J-18-17	788067	A18-06701	75.60	76.45	0.85	19.70	34	< 0.4	0.4	12.90	< 1	2.6	6	0.7	2.4	0.01	0.02
J-18-17	788068	A18-06701	76.45	77.45	1.00	77.10	501	< 0.4	2.8	0.70	< 1	2.3	9	6.8	2.8	0.04	0.08
J-18-17	788069	A18-06701	77.45	78.45	1.00	79.60	629	< 0.4	3.2	0.40	< 1	1.5	13	8	2.3	0.04	0.09
J-18-17	788071	A18-06701	158.28	159.28	1.00	78.00	676	< 0.4	3.4	0.90	3	3.1	11	7.5	2.4	0.01	0.02
J-18-17	788072	A18-06701	159.28	159.38	0.10	86.00	1,586.00	< 0.4	2.8	20.20	< 1	2.7	27	4.9	2.8	0.01	0.02
J-18-17	788073	A18-06701	159.38	160.38	1.00	57.50	721	< 0.4	2.9	0.60	< 1	1.8	13	5	1.8	0.01	0.02



BHID	Sample	Lab Ref	From_m	To_m	Int_m	SG	Ta_ppm	Rb_ppm	Cs_ppm	B_ppm	Nb/Ta	Mg/Li	K/Rb
J-17-01	588001	A17-14654	29.45	30.45	1.00	2.85	0.5	301	82.1		8.0	15.6	81.64
J-17-01	588002	A17-14654	30.45	31.45	1.00	2.85	0.6	338	82.7		8.3	15.5	75.65
J-17-01	588003	A17-14654	31.45	33.00	1.55	2.8	18.7	250	19		1.9	0.1	29.22
J-17-01	588004	A17-14654	33.00	34.00	1.00	2.75	17.3	953	55.2		1.6	0.1	29.97
J-17-01	588005	A17-14654	34.00	35.00	1.00	2.68	17.9	764	46.1		1.5	0.4	30.75
J-17-01	588006	A17-14654	35.00	36.00	1.00	2.77	25.1	1250	78.4		1.8	0.2	28.56
J-17-01	588007	A17-14654	36.00	37.00	1.00	2.79	24	627	40.7		1.6	0.1	28.07
J-17-01	588008	A17-14654	37.00	38.00	1.00	2.68	12	771	42.3		0.9	0.3	33.92
J-17-01	588009	A17-14654	38.00	39.00	1.00	2.72	9.8	1240	56.5		0.5	0.4	32.27
J-17-01	588011	A17-14654	39.00	40.00	1.00	2.7	6.2	1560	70.7		1.1	0.4	29.75
J-17-01	588012	A17-14654	40.00	41.00	1.00	2.69	8.1	592	28		1.0	1.4	31.69
J-17-01	588013	A17-14654	41.00	42.00	1.00	2.67	31.7	752	36.3		1.5	4.8	28.15
J-17-01	588014	A17-14654	42.00	43.00	1.00	2.73	71.7	1720	102		0.4	0.3	29.49
J-17-01	588015	A17-14654	43.00	44.00	1.00	2.68	40.3	1720	93		1.0	0.1	29.78
J-17-01	588017	A17-14654	44.00	45.00	1.00	2.69	18.9	995	54.9		1.3	0.2	31.7
J-17-01	588018	A17-14654	45.00	46.00	1.00	2.71	58	886	45.4		0.9	11.5	32.33
J-17-01	588019	A17-14654	46.00	47.00	1.00	2.84	20.4	655	145		0.5	17.4	35.74
J-17-01	588021	A17-14654	47.00	48.00	1.00	2.84	0.6	215	110		10.0	16.6	100.8
J-17-01	588022	A17-14654	70.45	71.45	1.00	2.86	0.7	112	21.6		8.6	35.7	169
J-17-01	588023	A17-14654	71.45	72.45	1.00	2.8	1.5	178	21.3		5.3	25.9	99.34
J-17-01	588024	A17-14654	72.45	74.00	1.55	2.64	14.1	1360	39.5		1.0	3.6	41.57
J-17-01	588025	A17-14654	74.00	75.00	1.00	2.69	14	811	25.1		1.4	9.0	37.67
J-17-01	588026	A17-14654	75.00	76.00	1.00	2.79	1.5	174	25.5		4.7	27.2	93.99
J-17-01	588027	A17-14654	76.00	77.00	1.00	2.79	0.5	190	41.5		10.0	25.0	100.9
J-17-01	588028	A17-14654	88.47	89.47	1.00	2.8	3.1	393	145		2.6	23.8	44.99
J-17-01	588029	A17-14654	89.47	90.47	1.00	2.84	5.7	323	67.7		2.5	29.0	43.44
J-17-01	588031	A17-14654	90.47	92.00	1.53	2.72	33.9	696	30.1		1.0	6.6	34.23
J-17-01	588032	A17-14654	92.00	93.27	1.27	2.71	20.4	813	30.9		1.3	3.6	34.21
J-17-01	588033	A17-14654	93.27	94.27	1.00	2.81	1.2	303	68.4		5.8	27.8	58.91
J-17-01	588034	A17-14654	94.27	95.27	1.00	2.8	0.5	143	42.5		12.0	32.1	143.4
J-18-01	588035	A18-01245	67.45	68.45	1.00	2.8	0.6	552	255		10.0	21.4	40.15
J-18-01	588036	A18-01245	68.45	69.45	1.00	2.86	4.7	828	302		1.9	16.5	21.66
J-18-01	588037	A18-01245	69.45	69.95	0.50	2.76	47.4	767	76		0.6	11.6	26.19
J-18-01	588038	A18-01245	69.95	71.00	1.05	2.71	23.6	492	28		0.9	0.4	31.72
J-18-01	588039	A18-01245	71.00	72.00	1.00	2.68	37.5	293	21.2		0.6	0.2	32.3
J-18-01	588041	A18-01245	72.00	73.00	1.00	2.7	20.7	898	46.4		0.9	4.5	33.46
J-18-01	588042	A18-01245	73.00	74.00	1.00	2.68	17.7	2030	104		0.8	0.1	28.95
J-18-01	588043	A18-01245	74.00	75.00	1.00	2.79	23.3	668	43.2		0.9	0.0	29.95
J-18-01	588044	A18-01245	75.00	76.00	1.00	2.79	26.3	682	42		0.8	0.1	31.77
J-18-01	588045	A18-01245	76.00	77.00	1.00	2.67	14.5	1240	75.8		0.7	0.6	33.41
J-18-01	588046	A18-01245	77.00	78.00	1.00	2.65	10.5	913	50		0.8	0.5	32.37

BHID	Sample	Lab Ref	From_m	To_m	Int_m	SG	Ta_ppm	Rb_ppm	Cs_ppm	B_ppm	Nb/Ta	Mg/Li	K/Rb
J-18-01	588047	A18-01245	78.00	79.00	1.00	2.72	10.4	1270	67.7		0.7	0.1	36.21
J-18-01	588048	A18-01245	79.00	80.00	1.00	2.66	2.8	748	39		1.4	0.2	36.29
J-18-01	588049	A18-01245	80.00	81.57	1.57	2.75	23.6	566	26.6		0.8	0.0	34.61
J-18-01	588051	A18-01245	81.57	83.00	1.43	2.78	2.5	518	221		2.0	13.4	46.64
J-18-01	588052	A18-01245	83.00	84.00	1.00	2.82	0.9	732	324		6.7	15.5	31.19
J-18-01	588053	A18-01245	84.00	85.00	1.00	2.69	20.1	553	37.7		1.5	0.2	29.57
J-18-01	588054	A18-01245	85.00	86.00	1.00	2.77	15.3	939	64.9		1.3	0.1	31.38
J-18-01	588055	A18-01245	86.00	87.00	1.00	2.81	28.3	517	38.7		0.9	0.1	30.83
J-18-01	588057	A18-01245	87.00	88.35	1.35	2.79	22.2	602	45.1		1.2	0.2	33.79
J-18-01	588058	A18-01245	88.35	89.35	1.00	2.78	1	872	351		7.0	14.9	31.13
J-18-01	588059	A18-01245	89.35	90.35	1.00	2.81	0.5	705	292		10.0	14.8	35.21
J-18-02	588061	A18-01245	78.45	79.45	1.00	2.83	2.6	161	132		2.7	23.4	118.6
J-18-02	588062	A18-01245	79.45	80.45	1.00	2.81	2.6	511	297		2.7	18.2	43.7
J-18-02	588063	A18-01245	80.45	82.00	1.55	2.73	47.1	681	42		1.0	0.7	26.82
J-18-02	588064	A18-01245	82.00	83.00	1.00	2.68	32.1	1130	52.8		1.2	0.2	31.52
J-18-02	588065	A18-01245	83.00	84.00	1.00	2.68	19.3	1340	66		1.7	0.3	33.45
J-18-02	588066	A18-01245	84.00	85.00	1.00	2.72	36.6	809	53.8		1.5	0.4	32.43
J-18-02	588067	A18-01245	85.00	86.00	1.00	2.76	41.7	606	45.6		0.7	0.1	29.73
J-18-02	588068	A18-01245	86.00	87.00	1.00	2.69	37.6	1180	69.8		1.5	0.8	31.38
J-18-02	588069	A18-01245	87.00	88.00	1.00	2.72	43.7	459	39.3		0.8	0.2	28.58
J-18-02	588071	A18-01245	88.00	89.00	1.00	2.7	48.6	698	49.8		0.9	0.1	25.09
J-18-02	588072	A18-01245	89.00	90.00	1.00	2.72	51.1	756	50.3		0.7	0.2	27.01
J-18-02	588073	A18-01245	90.00	91.00	1.00	2.71	49.6	651	51		0.7	0.5	30.6
J-18-02	588074	A18-01245	91.00	92.00	1.00	2.72	52.2	703	48.8		0.7	0.1	27.63
J-18-02	588075	A18-01245	92.00	93.00	1.00	2.71	21.7	1020	53.2		0.7	0.1	27.59
J-18-02	588077	A18-01245	93.00	94.00	1.00	2.72	15.3	1250	63.6		1.3	0.1	28.03
J-18-02	588078	A18-01245	94.00	95.00	1.00	2.73	17.7	988	50.9		1.1	0.1	28.06
J-18-02	588079	A18-01245	95.00	96.00	1.00	2.7	49.5	982	57.9		0.9	0.2	29.08
J-18-02	588081	A18-01245	96.00	97.00	1.00	2.72	50.4	801	55.5		0.8	0.2	29.64
J-18-02	588082	A18-01245	97.00	98.00	1.00	2.74	24.4	904	56.7		0.7	0.1	30.58
J-18-02	588083	A18-01245	98.00	99.00	1.00	2.68	19.9	896	59.1		1.0	0.8	34.56
J-18-02	588084	A18-01245	99.00	100.00	1.00	2.71	9.3	666	44.9		1.5	0.6	33.53
J-18-02	588085	A18-01245	100.00	101.00	1.00	2.76	30.3	873	61.1		1.2	0.1	34.04
J-18-02	588086	A18-01245	101.00	102.00	1.00	2.7	18.4	853	66.6		1.4	0.3	38.73
J-18-02	588087	A18-01245	102.00	103.00	1.00	2.67	25.8	687	44.3		0.9	0.1	33.83
J-18-02	588088	A18-01245	103.00	104.00	1.00	2.69	22.6	1040	68.5		1.2	0.3	34
J-18-02	588089	A18-01245	104.00	105.00	1.00	2.67	70.5	672	38.8		0.6	1.0	33.23
J-18-02	588091	A18-01245	105.00	106.00	1.00	2.65	15.8	853	48.6		0.9	3.0	35.42
J-18-02	588092	A18-01245	106.00	107.00	1.00	2.7	18.9	774	44.1		1.1	1.4	34.97
J-18-02	588093	A18-01245	107.00	108.00	1.00	2.68	17.2	770	39.5		1.6	8.1	33.1
J-18-02	588094	A18-01245	108.00	109.00	1.00	2.76	28.8	1180	65.4		0.8	6.6	34.61

BHID	Sample	Lab Ref	From_m	To_m	Int_m	SG	Ta_ppm	Rb_ppm	Cs_ppm	B_ppm	Nb/Ta	Mg/Li	K/Rb
J-18-02	588095	A18-01245	109.00	110.00	1.00	2.64	40	540	30.3		0.9	3.9	35.05
J-18-02	588097	A18-01245	110.00	111.00	1.00	2.7	59.1	736	59.3		0.7	6.5	24.25
J-18-02	588098	A18-01245	111.00	112.00	1.00	2.7	23.1	749	50.9		1.3	8.2	26.16
J-18-02	588099	A18-01245	112.00	112.70	0.70	2.71	39.3	569	26.1		1.1	2.4	32.53
J-18-02	588101	A18-01245	112.70	113.39	0.69	2.77	6.7	840	206		1.9	13.0	21.45
J-18-02	588102	A18-01245	113.39	113.68	0.29	2.71	3.5	210	23.6		1.7	12.9	30.83
J-18-02	588103	A18-01245	113.68	114.68	1.00	2.74	0.7	492	164		7.1	17.5	38.13
J-18-03	588104	A18-01245	8.40	9.40	1.00	2.78	0.5	156	19.4		10.0	33.2	126.1
J-18-03	588105	A18-01245	9.40	10.40	1.00	2.76	0.5	128	21.6		12.0	28.2	133
J-18-03	588106	A18-01245	10.40	11.40	1.00	2.78	31.6	554	68.7		0.9	0.1	31.02
J-18-03	588107	A18-01245	11.40	12.40	1.00	2.81	45.4	367	40.9		0.9	0.1	37.1
J-18-03	588108	A18-01245	12.40	13.40	1.00	2.65	43.6	33	10		0.8	2.4	80.5
J-18-03	588109	A18-01245	13.40	14.40	1.00	2.65	38.8	28	11.8		0.8	2.4	83.02
J-18-03	588111	A18-01245	14.40	15.40	1.00	2.64	31.3	201	9.3		0.9	3.0	26.43
J-18-03	588112	A18-01245	15.40	16.50	1.10	2.66	52.8	465	23		0.6	2.4	25.17
J-18-03	588113	A18-01245	16.50	17.50	1.00	2.77	0.9	442	164		6.7	29.4	50.9
J-18-03	588114	A18-01245	17.50	18.50	1.00	2.82	0.6	295	156		10.0	30.7	74.01
J-18-03	588115	A18-01245	32.85	33.67	0.82	2.71	109	356	35.1		0.6	3.0	15.16
J-18-03	588117	A18-01245	106.50	107.50	1.00	2.8	0.6	211	96.3		10.0	20.2	87.74
J-18-03	588118	A18-01245	107.50	108.50	1.00	2.78	3.7	332	95.3		2.2	17.4	51.51
J-18-03	588119	A18-01245	108.50	109.50	1.00	2.66	134	479	18.5		0.8	4.8	28.08
J-18-03	588121	A18-01245	109.50	110.50	1.00	2.72	17.2	644	43.5		1.5	0.2	34.93
J-18-03	588122	A18-01245	110.50	111.50	1.00	2.72	33.7	642	40.1		1.4	0.2	33.88
J-18-03	588123	A18-01245	111.50	112.50	1.00	2.65	20.7	858	41.6		1.3	0.6	38.51
J-18-03	588124	A18-01245	112.50	113.20	0.70	2.69	28.6	555	25.5		1.3	1.4	48.01
J-18-03	588125	A18-01245	113.20	114.20	1.00	2.77	2.2	1070	338		4.1	12.4	21.72
J-18-03	588126	A18-01245	114.20	115.20	1.00	2.73	0.5	276	127		12.0	19.8	70.08
J-18-03	588127	A18-01245	117.50	118.50	1.00	2.73	0.5	135	63.4		12.0	15.6	121.1
J-18-03	588128	A18-01245	118.50	119.50	1.00	2.69	0.5	202	30.6		12.0	16.0	77.26
J-18-03	588129	A18-01245	119.50	120.50	1.00	2.75	0.5	342	154		12.0	14.9	54.62
J-18-03	588131	A18-01245	120.50	121.50	1.00	2.74	16.6	983	59.4		1.7	1.1	34.62
J-18-03	588132	A18-01245	121.50	122.50	1.00	2.72	66.9	1450	71.7		1.1	0.9	27.94
J-18-03	588133	A18-01245	122.50	123.50	1.00	2.69	13.1	722	47.2		1.4	2.3	38.06
J-18-03	588134	A18-01245	123.50	124.50	1.00	2.68	10.5	325	20.6		1.3	2.4	35.5
J-18-03	588135	A18-01245	124.50	125.20	0.70	2.69	43	523	28.7		1.0	3.6	25.87
J-18-03	588137	A18-01245	125.20	126.20	1.00	2.76	2.4	434	71.7		2.1	18.6	34.24
J-18-03	588138	A18-01245	126.20	127.20	1.00	2.79	0.5	117	40.8		8.0	19.5	94.37
J-18-04	588139	A18-01245	2.20	3.00	0.80	2.91	37.2	499	37.5		0.8	0.1	23.62
J-18-04	588141	A18-01245	3.00	4.00	1.00	2.83	35.4	434	31.5		1.3	0.1	22.57
J-18-04	588142	A18-01245	4.00	5.00	1.00	2.77	27.8	533	39.4		1.0	0.1	24.76
J-18-04	588143	A18-01245	5.00	6.00	1.00	2.79	66	1170	89.9		0.9	0.1	25.47

BHID	Sample	Lab Ref	From m	To m	Int m	SG	Ta ppm	Rb ppm	Cs ppm	B ppm	Nb/Ta	Mg/Li	K/Rb
J-18-04	588144	A18-01245	6.00	7.00	1.00	2.98	74.6	578	47.4		1.4	0.0	23.84
J-18-04	588145	A18-01245	7.00	8.00	1.00	2.99	12.4	116	20.9		0.5	0.0	34.35
J-18-04	588146	A18-01245	8.00	9.43	1.43	2.7	221	659	44.9		0.3	0.1	20.28
J-18-04	588147	A18-01245	9.43	10.43	1.00	2.83	7.3	697	202		0.8	14.5	31.44
J-18-04	588148	A18-01245	10.43	11.43	1.00	2.73	0.6	147	79.6		3.3	18.0	142.3
J-18-04	588149	A18-01245	120.20	120.42	0.22	2.71	116	481	32.8		0.5	12.1	41.59
J-18-04	588151	A18-01245	150.50	151.50	1.00	2.83	0.6	566	242		8.3	14.0	58.37
J-18-04	588152	A18-01245	151.50	152.50	1.00	2.9	7.5	1040	221		2.1	12.1	29.77
J-18-04	588153	A18-01245	152.50	154.00	1.50	2.71	51	1080	57.9		1.4	5.7	27.98
J-18-04	588154	A18-01245	154.00	155.00	1.00	2.76	52.4	1360	65		1.5	2.1	24.17
J-18-04	588155	A18-01245	155.00	156.00	1.00	2.71	38.1	630	39.4		0.8	0.2	29.12
J-18-04	588157	A18-01245	156.00	157.00	1.00	2.67	12.3	1680	90.6		0.7	0.5	28.91
J-18-04	588158	A18-01245	157.00	158.00	1.00	2.67	10	1190	57.5		2.4	3.0	29.58
J-18-04	588159	A18-01245	158.00	159.00	1.00	2.65	2.2	3300	135		0.9	1.8	29.63
J-18-04	588161	A18-01245	159.00	160.00	1.00	2.65	14.8	1630	75.8		0.5	1.0	29.64
J-18-04	588162	A18-01245	160.00	161.00	1.00	2.69	14.3	1480	69.3		1.0	0.2	29.28
J-18-04	588163	A18-01245	161.00	162.00	1.00	2.65	8.9	1090	58.7		0.9	0.1	29.7
J-18-04	588164	A18-01245	162.00	163.00	1.00	2.69	9.8	2220	109		1.8	0.6	30.18
J-18-04	588165	A18-01245	163.00	164.00	1.00	2.68	44.7	1070	52		0.9	0.9	30.65
J-18-04	588166	A18-01245	164.00	165.00	1.00	2.66	30.1	1950	99		0.8	0.2	29.29
J-18-04	588167	A18-01245	165.00	166.00	1.00	2.72	38.1	293	20		0.8	0.1	28.62
J-18-04	588168	A18-01245	166.00	167.00	1.00	2.7	59.4	342	29.6		1.0	0.2	34.71
J-18-04	588169	A18-01245	167.00	168.00	1.00	2.68	34.7	574	27.7		1.3	1.0	31.24
J-18-04	588171	A18-01245	168.00	168.50	0.50	2.66	105	585	26.8		0.7	4.2	24.55
J-18-04	588172	A18-01245	168.50	168.85	0.35	2.91	46.5	285	35.3		0.7	13.0	49.52
J-18-04	588173	A18-01245	168.85	169.50	0.65	2.78	181	1020	66.8		0.4	5.0	35.81
J-18-04	588174	A18-01245	169.50	170.50	1.00	2.8	4.5	642	183		2.4	12.7	45.77
J-18-04	588175	A18-01245	170.50	171.50	1.00	2.82	0.8	569	158		8.8	12.7	50.04
J-18-04	588177	A18-01245	176.00	177.00	1.00	3.02	0.5	167	62.7		10.0	23.3	119.8
J-18-04	588178	A18-01245	177.00	178.00	1.00	2.98	0.1	102	16		10.0	30.8	113.9
J-18-05	588179	A18-01502	1.00	1.50	0.50	2.83	12	525	55.6		1.5	0.0	23.09
J-18-05	588181	A18-01502	1.50	2.50	1.00	2.75	18.8	343	38.2		1.3	0.0	27.35
J-18-05	588182	A18-01502	2.50	3.50	1.00	2.66	40.4	390	23.8		0.7	1.8	30.86
J-18-05	588183	A18-01502	3.50	4.86	1.36	2.68	105	752	47		0.5	3.0	26.16
J-18-05	588184	A18-01502	4.86	5.86	1.00	2.72	5.3	646	121		1.7	11.4	34.44
J-18-05	588185	A18-01502	5.86	6.86	1.00	2.74	0.6	286	68.1		8.3	12.9	55.15
J-18-05	588186	A18-01502	22.80	23.45	0.65	2.65	234	245	10.4		0.7	4.2	31.85
J-18-05	588187	A18-01502	69.55	70.40	0.85	2.72	24.2	643	42.2		1.2	18.1	43.12
J-18-05	588188	A18-01502	87.33	88.33	1.00	3	0.3	40	7.4		16.7	427.0	161.9
J-18-05	588189	A18-01502	88.33	89.33	1.00	3.02	0.4	21	5.6		12.5	404.1	197.7
J-18-05	588191	A18-01502	89.33	90.50	1.17	2.64	8.9	713	15.8		1.8	18.4	56.24

BHID	Sample	Lab Ref	From_m	To_m	Int_m	SG	Ta_ppm	Rb_ppm	Cs_ppm	B_ppm	Nb/Ta	Mg/Li	K/Rb
J-18-05	588192	A18-01502	90.50	91.50	1.00	2.67	21.2	341	13		1.2	10.6	45.77
J-18-05	588193	A18-01502	91.50	92.50	1.00	2.64	15.7	791	31.8		1.6	7.8	42.08
J-18-05	588194	A18-01502	92.50	93.50	1.00	2.65	19.2	1110	43.1		1.4	0.7	33.43
J-18-05	588195	A18-01502	93.50	94.50	1.00	2.65	19.9	964	41.6		1.4	0.2	36
J-18-05	588197	A18-01502	94.50	95.50	1.00	2.68	49.2	1570	63		1.8	0.5	28.71
J-18-05	588198	A18-01502	95.50	96.50	1.00	2.67	51.8	585	44.5		1.7	0.2	29.23
J-18-05	588199	A18-01502	96.50	97.50	1.00	2.72	19.2	1300	69.6		2.4	0.2	31.16
J-18-05	588201	A18-01502	97.50	98.50	1.00	2.74	27.7	644	31.6		1.7	0.1	32.87
J-18-05	588202	A18-01502	98.50	99.50	1.00	2.75	29.8	746	27.7		1.6	0.1	30.82
J-18-05	588203	A18-01502	99.50	100.70	1.20	2.68	54.7	598	28.8		1.0	0.3	30.4
J-18-05	588204	A18-01502	100.70	101.70	1.00	2.75	3.2	162	40.3		2.2	23.0	55.34
J-18-05	588205	A18-01502	101.70	102.70	1.00	2.7	19.7	272	52.1		1.0	23.6	59.82
J-18-05	588206	A18-01502	121.75	122.75	1.00	2.7	0.7	202	15.7		8.6	29.0	105.6
J-18-05	588207	A18-01502	122.75	123.75	1.00	2.75	17.5	151	10		1.0	35.6	96.21
J-18-05	588208	A18-01502	123.75	124.75	1.00	2.64	9.2	158	6.3		1.3	1.8	38.36
J-18-05	588209	A18-01502	124.75	125.60	0.85	2.65	12.5	323	12.1		1.4	1.8	36.24
J-18-05	588211	A18-01502	125.60	126.60	1.00	2.65	3.8	197	13.1		2.1	31.0	99.45
J-18-05	588212	A18-01502	126.60	127.60	1.00	2.74	0.4	166	12.5		12.5	31.6	103.5
J-18-06	588213	A18-03395	79.80	80.80	1.00	2.81	0.4	155	58.8		12.5	14.2	149.4
J-18-06	588214	A18-03395	80.80	81.80	1.00	2.74	0.9	375	206		5.6	15.6	58.89
J-18-06	588215	A18-03395	81.80	83.00	1.20	2.72	46.7	621	33.6		0.8	0.4	27.94
J-18-06	588217	A18-03395	83.00	84.00	1.00	2.66	24	915	41.1		1.5	7.4	32.48
J-18-06	588218	A18-03395	84.00	85.00	1.00	2.67	20.8	978	47.6		1.6	2.7	33.87
J-18-06	588219	A18-03395	85.00	86.00	1.00	2.69	26.5	918	69.6		1.6	6.8	33.73
J-18-06	588221	A18-03395	86.00	87.00	1.00	2.7	17.5	680	49.1		1.4	8.7	39.43
J-18-06	588222	A18-03395	87.00	88.00	1.00	2.73	18.6	829	122		1.3	11.6	23.83
J-18-06	588223	A18-03395	88.00	89.00	1.00	2.67	20.5	839	112		1.4	11.3	23.65
J-18-06	588224	A18-03395	89.00	90.00	1.00	2.65	28.9	523	24.2		1.8	1.1	27.94
J-18-06	588225	A18-03395	90.00	91.00	1.00	2.78	19.9	778	38.9		1.9	0.1	28.92
J-18-06	588226	A18-03395	91.00	92.00	1.00	2.73	6.5	589	36.2		2.0	0.3	35.8
J-18-06	588227	A18-03395	92.00	93.00	1.00	2.81	56.5	499	38.1		1.7	0.1	35.27
J-18-06	588228	A18-03395	93.00	94.00	1.00	2.83	24.2	557	40.4		1.4	0.1	30.85
J-18-06	588229	A18-03395	94.00	95.00	1.00	2.82	10.9	518	37		1.4	0.2	33.01
J-18-06	588231	A18-03395	95.00	96.00	1.00	2.72	12	825	39.9		1.2	0.1	30.69
J-18-06	588232	A18-03395	96.00	97.00	1.00	2.71	26.2	853	39.1		1.2	0.1	28.81
J-18-06	588233	A18-03395	97.00	98.36	1.36	2.71	37	1250	45.5		1.2	0.9	26.96
J-18-06	588234	A18-03395	98.36	99.36	1.00	2.78	0.7	223	27		7.1	15.9	102.4
J-18-06	588235	A18-03395	99.36	100.36	1.00	2.76	0.5	84	15.6		10.0	20.4	200.6
J-18-07	588237	A18-03203	13.95	14.95	1.00	2.92	0.5	110	109		14.0	40.1	137.4
J-18-07	588238	A18-03203	14.95	15.95	1.00	2.94	0.8	195	172		10.0	34.6	80.04
J-18-07	588239	A18-03203	15.95	17.00	1.05	2.69	52.1	345	52.9		0.7	12.7	31.76

BHID	Sample	Lab Ref	From_m	To_m	Int_m	SG	Ta_ppm	Rb_ppm	Cs_ppm	B_ppm	Nb/Ta	Mg/Li	K/Rb
J-18-07	588241	A18-03203	17.00	18.00	1.00	2.71	37.3	739	61.4		0.9	0.2	31.79
J-18-07	588242	A18-03203	18.00	19.35	1.35	2.72	28.5	928	73.5		1.3	3.5	24.42
J-18-07	588243	A18-03203	19.35	21.00	1.65	2.79	25.5	1260	463		1.4	11.7	19.11
J-18-07	588244	A18-03203	21.00	21.55	0.55	2.66	28.9	226	12.9		0.6	7.8	36.73
J-18-07	588245	A18-03203	21.55	22.55	1.00	2.79	3.2	346	191		2.2	20.3	60.46
J-18-07	588246	A18-03203	22.55	23.55	1.00	2.77	0.5	153	95.9		12.0	21.8	141.6
J-18-07	588247	A18-03203	111.65	112.65	1.00	2.92	0.3	37	8.9		16.7	368.5	199.7
J-18-07	588248	A18-03203	112.65	112.75	0.10	2.71	66.3	84	7		1.1	67.5	169
J-18-07	588249	A18-03203	112.75	113.75	1.00	2.77	2.3	102	19.8		2.6	118.8	183.1
J-18-08	588251	A18-03395	17.17	18.17	1.00	2.8	0.5	154	137		10.0	21.2	130.5
J-18-08	588252	A18-03395	18.17	19.17	1.00	2.82	0.6	350	184		8.3	20.1	56.45
J-18-08	588253	A18-03395	19.17	20.00	0.83	2.64	49	1790	87		1.1	1.0	24.77
J-18-08	588254	A18-03395	20.00	21.00	1.00	2.68	60.3	923	46.4		1.3	0.8	26.53
J-18-08	588255	A18-03395	21.00	22.10	1.10	2.68	30.8	829	46		1.1	4.4	27.74
J-18-08	588257	A18-03395	22.10	23.10	1.00	2.84	4.9	913	434		2.7	14.1	23.46
J-18-08	588258	A18-03395	23.10	24.30	1.20	2.88	7.1	824	402		2.5	12.2	27.81
J-18-08	588259	A18-03395	24.30	25.00	0.70	2.66	12.3	1430	81.7		1.5	0.2	31.93
J-18-08	588261	A18-03395	25.00	26.00	1.00	2.75	22	1080	64.4		1.2	0.1	29.9
J-18-08	588262	A18-03395	26.00	27.00	1.00	2.74	50.8	351	20		1.0	0.8	32.17
J-18-08	588263	A18-03395	27.00	28.00	1.00	2.86	1.4	322	166		5.0	13.8	68.58
J-18-08	588264	A18-03395	28.00	29.00	1.00	2.88	0.4	284	197		12.5	11.0	83.6
J-18-08	588265	A18-03395	32.18	33.18	1.00	2.84	0.4	526	260		15.0	15.6	38.35
J-18-08	588266	A18-03395	33.18	34.18	1.00	2.77	1.5	568	217		4.7	14.5	32.01
J-18-08	588267	A18-03395	34.18	35.00	0.82	2.72	224	902	40.1		1.1	0.9	22.92
J-18-08	588268	A18-03395	35.00	36.00	1.00	2.84	30.6	316	27.6		1.4	0.0	27.58
J-18-08	588269	A18-03395	36.00	37.00	1.00	2.82	18.1	518	35.2		1.3	0.0	29.97
J-18-08	588271	A18-03395	37.00	38.00	1.00	2.72	56.4	733	38.1		0.8	2.2	27.29
J-18-08	588272	A18-03395	38.00	38.75	0.75	2.76	51.8	710	54.7		0.9	1.4	27.24
J-18-08	588273	A18-03395	38.75	39.75	1.00	2.73	39.9	854	164		1.2	11.7	21.48
J-18-08	588274	A18-03395	39.75	40.75	1.00	2.68	47.1	576	38.1		0.8	0.1	26.52
J-18-08	588275	A18-03395	40.75	41.75	1.00	2.68	31	359	27.3		0.9	0.1	27.98
J-18-08	588277	A18-03395	41.75	42.75	1.00	2.76	32.6	249	23.4		0.9	0.0	31.01
J-18-08	588278	A18-03395	42.75	43.75	1.00	2.72	51.7	1230	74.1		0.6	0.1	29.09
J-18-08	588279	A18-03395	43.75	44.75	1.00	2.67	32	409	17.4		1.0	1.8	29.84
J-18-08	588281	A18-03395	44.75	45.75	1.00	2.81	5.3	298	108		1.5	19.1	54.32
J-18-08	588282	A18-03395	45.75	46.75	1.00	2.71	0.5	276	111		10.0	16.9	64.67
J-18-08	588283	A18-03395	96.47	97.47	1.00	2.98	0.3	36	5.1		13.3	410.7	191.4
J-18-08	588284	A18-03395	97.47	98.47	1.00	2.95	0.3	26	5.5		16.7	420.3	188.4
J-18-08	588285	A18-03395	98.47	99.20	0.73	2.93	3	258	18.1		2.3	364.3	53.09
J-18-08	588286	A18-03395	99.20	100.20	1.00	2.66	21.7	154	3.1		1.2	18.1	50.13
J-18-08	588287	A18-03395	100.20	100.90	0.70	2.66	28.5	2030	132		1.2	24.7	37.38

BHID	Sample	Lab Ref	From_m	To_m	Int_m	SG	Ta_ppm	Rb_ppm	Cs_ppm	B_ppm	Nb/Ta	Mg/Li	K/Rb
J-18-08	588288	A18-03395	100.90	101.70	0.80	2.8	2.7	14	3.4		2.2	240.6	142.3
J-18-08	588289	A18-03395	101.70	102.40	0.70	2.93	0.4	30	8.1		12.5	414.3	141.1
J-18-08	588291	A18-03395	102.40	103.40	1.00	2.69	8.2	543	16.9		1.7	18.1	38.07
J-18-08	588292	A18-03395	103.40	104.40	1.00	2.64	7.9	864	24.7		1.6	12.1	39.78
J-18-08	588293	A18-03395	104.40	105.40	1.00	2.64	8	1150	35.6		1.5	5.4	37.39
J-18-08	588294	A18-03395	105.40	106.35	0.95	2.65	20.3	601	20.7		0.9	15.1	40.75
J-18-08	588295	A18-03395	106.35	107.35	1.00	2.81	0.5	144	26.2		12.0	44.6	105.5
J-18-08	588297	A18-03395	107.35	108.35	1.00	2.72	0.5	134	24.2		10.0	45.8	141.2
J-18-09	588298	A18-03203	15.45	16.45	1.00	2.72	0.9	66	28.2		5.6	101.6	138.4
J-18-09	588299	A18-03203	16.45	16.66	0.21	2.75	221	323	29.8		0.3	35.6	35.21
J-18-09	588301	A18-03203	16.66	17.66	1.00	2.76	1.5	81	28.6		6.7	127.8	101.5
J-18-09	588302	A18-03203	29.06	30.06	1.00	2.76	2.9	47	9.1		2.4	74.4	151.9
J-18-09	588303	A18-03203	30.06	30.30	0.24	2.71	82	383	20.6		0.6	63.6	42.92
J-18-09	588304	A18-03203	30.30	31.30	1.00	2.72	1	45	3		7.0	121.8	166
J-18-09	588305	A18-03203	56.40	57.40	1.00	2.74	1.2	195	16.5		5.8	47.9	77.06
J-18-09	588306	A18-03203	57.40	58.40	1.00	2.75	3	226	15.4		3.0	64.9	58.77
J-18-09	588307	A18-03203	58.40	59.40	1.00	2.7	15	320	18.7		1.1	26.5	42.55
J-18-09	588308	A18-03203	59.40	60.40	1.00	2.67	7	467	26		1.9	16.9	32.53
J-18-09	588309	A18-03203	60.40	61.40	1.00	2.69	13.8	806	41		1.2	12.1	34.71
J-18-09	588311	A18-03203	61.40	62.40	1.00	2.69	64.4	519	35.9		1.1	27.7	37.27
J-18-09	588312	A18-03203	62.40	63.40	1.00	2.67	14.9	1410	68.7		1.5	26.5	33.74
J-18-09	588313	A18-03203	63.40	64.40	1.00	2.81	3.9	546	32.1		2.1	327.5	41.05
J-18-09	588314	A18-03203	64.40	65.40	1.00	2.66	10.1	839	40.4		1.9	11.5	34.33
J-18-09	588315	A18-03203	65.40	66.40	1.00	2.69	15.7	660	29.6		1.5	13.9	44.15
J-18-09	588317	A18-03203	66.40	67.40	1.00	2.65	14.2	785	30.1		1.5	10.3	47.59
J-18-09	588318	A18-03203	67.40	68.30	0.90	2.63	11.5	527	12.6		1.6	32.6	77.34
J-18-09	588319	A18-03203	68.30	69.30	1.00	2.99	0.4	31	5.9		12.5	410.7	150
J-18-09	588321	A18-03203	69.30	70.30	1.00	3.04	0.3	27	4.2		16.7	426.4	181.4
J-18-09	588322	A18-03203	87.30	88.30	1.00	3.02	0.3	36	4.5		13.3	428.8	184.5
J-18-09	588323	A18-03203	88.30	89.30	1.00	3.03	0.9	31	4		5.6	412.5	176.7
J-18-09	588324	A18-03203	89.30	90.15	0.85	2.72	28.5	280	7.9		1.2	86.2	74.12
J-18-09	588325	A18-03203	90.15	90.90	0.75	3.01	0.8	79	6.9		6.3	386.6	87.22
J-18-09	588326	A18-03203	90.90	92.00	1.10	2.6	90.7	1120	45.1		0.7	6.6	48.99
J-18-09	588327	A18-03203	92.00	93.00	1.00	2.64	17.9	716	34.4		0.9	1.8	47.77
J-18-09	588328	A18-03203	93.00	94.00	1.00	2.61	27.8	348	12.1		1.1	2.4	47.23
J-18-09	588329	A18-03203	94.00	95.00	1.00	2.65	9.6	260	6.7		1.7	3.0	51.09
J-18-09	588331	A18-03203	95.00	96.00	1.00	2.65	31.1	519	17.6		1.0	4.2	43.83
J-18-09	588332	A18-03203	96.00	97.00	1.00	2.65	43	351	11.2		1.2	2.4	49.43
J-18-09	588333	A18-03203	97.00	98.00	1.00	2.65	15.6	393	15		1.3	5.4	37.39
J-18-09	588334	A18-03203	98.00	98.75	0.75	2.68	44	259	8.1		1.2	1.8	30.45
J-18-09	588335	A18-03203	98.75	99.75	1.00	2.72	3.1	49	4.4		3.2	65.3	93.18

BHID	Sample	Lab Ref	From_m	To_m	Int_m	SG	Ta_ppm	Rb_ppm	Cs_ppm	B_ppm	Nb/Ta	Mg/Li	K/Rb
J-18-09	588337	A18-03203	99.75	100.75	1.00	2.75	1.2	78	21.1		4.2	81.4	128.8
J-18-09	588338	A18-03203	112.75	113.75	1.00	2.75	0.4	85	46.5		10.0	68.7	132.8
J-18-09	588339	A18-03203	113.75	114.75	1.00	2.72	2.6	99	23.8		1.5	58.5	119.9
J-18-09	588341	A18-03203	114.75	115.75	1.00	2.67	62.2	210	13.5		0.5	88.7	36.76
J-18-09	588342	A18-03203	115.75	116.60	0.85	2.67	50.5	253	13.9		0.7	25.3	36.09
J-18-09	588343	A18-03203	116.60	117.60	1.00	2.7	5.2	107	31.5		1.2	64.3	90.77
J-18-09	588344	A18-03203	117.60	118.25	0.65	2.7	3.7	81	14.7		1.9	91.7	118.9
J-18-09	588345	A18-03203	118.25	119.20	0.95	2.66	49.9	236	10.7		0.7	12.7	30.95
J-18-09	588346	A18-03203	119.20	120.20	1.00	2.75	0.5	99	27.4		8.0	60.1	124.1
J-18-09	588347	A18-03203	120.20	121.20	1.00	2.74	0.4	78	24.2		10.0	81.4	176.7
J-18-10	588348	A18-03203	72.10	73.10	1.00	2.76	0.4	169	70.5		10.0	40.1	84.49
J-18-10	588349	A18-03203	73.10	74.10	1.00	2.77	0.5	348	136		10.0	17.0	62.74
J-18-10	588351	A18-03203	74.10	75.10	1.00	2.75	26.8	649	33.4		1.4	0.1	28.52
J-18-10	588352	A18-03203	75.10	76.10	1.00	2.69	25	983	51.8		1.2	0.1	29.3
J-18-10	588353	A18-03203	76.10	77.10	1.00	2.67	6.5	1970	93.5		1.5	0.1	30.64
J-18-10	588354	A18-03203	77.10	78.10	1.00	2.67	3.3	2420	106		1.8	0.2	32.01
J-18-10	588355	A18-03203	78.10	79.10	1.00	2.62	17	2910	116		0.9	0.8	31.52
J-18-10	588357	A18-03203	79.10	80.10	1.00	2.72	29.9	900	53.9		1.3	0.1	26.84
J-18-10	588358	A18-03203	80.10	81.10	1.00	2.72	18.6	642	35.7		1.2	0.1	31.94
J-18-10	588359	A18-03203	81.10	82.10	1.00	2.71	9.5	1110	54.8		1.9	0.1	29.69
J-18-10	588361	A18-03203	82.10	83.10	1.00	2.64	12.4	1200	55.2		1.3	0.5	31.13
J-18-10	588362	A18-03203	83.10	84.10	1.00	2.73	7.2	704	42.6		1.3	0.1	32.9
J-18-10	588363	A18-03203	84.10	85.10	1.00	2.68	19.7	457	23.9		1.0	0.2	35.06
J-18-10	588364	A18-03203	85.10	86.10	1.00	2.71	32.4	236	19.5		1.0	0.1	36.58
J-18-10	588365	A18-03203	86.10	87.60	1.50	2.68	21.9	677	25.9		1.2	2.1	32
J-18-10	588366	A18-03203	87.60	88.60	1.00	2.7	4.9	400	57.4		1.6	15.9	49.39
J-18-10	588367	A18-03203	88.60	89.60	1.00	2.69	0.5	131	30.1		10.0	17.2	152.7
J-18-11	588368	A18-03203	6.00	7.00	1.00	2.78	68.3	186	18.8		0.7	0.2	29.01
J-18-11	588369	A18-03203	7.00	8.00	1.00	2.75	40.6	318	23.9		1.1	0.4	33.41
J-18-11	588371	A18-03203	8.00	9.20	1.20	2.7	584	675	48.9		0.2	1.5	15.25
J-18-11	588372	A18-03203	9.20	10.20	1.00	2.73	3.4	263	124		2.1	15.8	62.5
J-18-11	588373	A18-03203	10.20	11.20	1.00	2.75	0.6	70	33.4		10.0	15.7	226.5
J-18-11	588374	A18-03203	11.20	12.20	1.00	2.76	0.5	73	40.5		12.0	19.0	224
J-18-11	588375	A18-03203	12.20	13.10	0.90	2.73	4.4	301	127		2.0	20.4	48.82
J-18-11	588377	A18-03203	13.10	14.10	1.00	2.66	111	1370	133		0.5	8.4	13.63
J-18-11	588378	A18-03203	14.10	15.10	1.00	2.73	4.8	315	225		1.7	23.4	53.76
J-18-11	588379	A18-03203	15.10	16.10	1.00	2.78	0.7	131	118		10.0	26.5	142.6
J-18-11	588381	A18-03203	77.35	78.35	1.00	2.7	0.7	180	59.3		5.7	21.8	116.7
J-18-11	588382	A18-03203	78.35	79.35	1.00	2.75	0.7	173	59.1		7.1	19.6	118.5
J-18-11	588383	A18-03203	79.35	80.35	1.00	2.71	21.7	939	33		1.8	0.6	31.12
J-18-11	588384	A18-03203	80.35	81.35	1.00	2.72	13.9	854	37.8		1.6	0.1	29.94



BHID	Sample	Lab Ref	From_m	To_m	Int_m	SG	Ta_ppm	Rb_ppm	Cs_ppm	B_ppm	Nb/Ta	Mg/Li	K/Rb
J-18-11	588385	A18-03203	81.35	82.35	1.00	2.69	16.9	656	26.6		1.9	0.1	31.89
J-18-11	588386	A18-03203	82.35	83.35	1.00	2.7	20.1	960	45.6		1.5	0.3	34.07
J-18-11	588387	A18-03203	83.35	84.35	1.00	2.78	22.4	461	32.2		1.4	0.2	37.64
J-18-11	588388	A18-03203	84.35	85.35	1.00	2.77	10.7	813	49.6		2.1	0.2	32.78
J-18-11	588389	A18-03203	85.35	86.35	1.00	2.65	11.9	1040	50.6		1.9	0.2	30.97
J-18-11	588391	A18-03203	86.35	87.35	1.00	2.71	14	1140	62.8		1.4	0.1	31.68
J-18-11	588392	A18-03203	87.35	88.35	1.00	2.72	24.9	756	49.6		1.2	0.1	31.51
J-18-11	588393	A18-03203	88.35	89.60	1.25	2.73	29.8	673	40.6		1.5	0.1	31.08
J-18-11	588394	A18-03203	89.60	90.20	0.60	2.77	8.7	937	260		1.3	13.7	17.36
J-18-11	588395	A18-03203	90.20	91.00	0.80	2.64	24	456	25		1.3	0.2	35.32
J-18-11	588397	A18-03203	91.00	92.00	1.00	2.73	32.3	1040	60.3		1.4	7.4	24.35
J-18-11	588398	A18-03203	92.00	93.00	1.00	2.78	3.9	606	138		2.6	16.5	40.82
J-18-11	588399	A18-03203	93.00	94.00	1.00	2.82	0.7	207	71.7		8.6	21.3	118.3
J-18-11	588401	A18-03203	111.18	111.56	0.38	2.73	14.8	274	60.5		1.2	31.8	54.84
J-18-12	588402	A18-03395	7.70	8.03	0.33	2.67	84.3	361	59.4		0.4	19.3	26.91
J-18-12	588403	A18-03395	60.20	60.40	0.20	2.71	149	274	26.4		0.4	25.0	48.48
J-18-12	588404	A18-03395	70.20	71.20	1.00	2.79	0.6	129	30.2		8.3	24.9	111.3
J-18-12	588405	A18-03395	71.20	72.20	1.00	2.7	0.8	170	27.9		7.5	24.1	83.5
J-18-12	588406	A18-03395	72.20	73.00	0.80	2.67	29.9	1690	78.7		0.8	2.4	27.02
J-18-12	588407	A18-03395	73.00	74.00	1.00	2.76	119	679	41.9		0.6	0.1	26.16
J-18-12	588408	A18-03395	74.00	75.00	1.00	2.71	33.9	859	48.9		1.6	0.2	31.6
J-18-12	588409	A18-03395	75.00	76.00	1.00	2.75	30.2	584	37		1.5	0.1	30.7
J-18-12	588411	A18-03395	76.00	77.00	1.00	2.72	24.6	415	34.1		1.1	0.1	30.41
J-18-12	588412	A18-03395	77.00	78.00	1.00	2.82	20.2	328	25.3		1.5	0.1	34.17
J-18-12	588413	A18-03395	78.00	79.00	1.00	2.7	20.3	730	43.9		1.3	0.3	32.07
J-18-12	588414	A18-03395	79.00	80.00	1.00	2.68	43.1	1070	63.8		1.0	0.2	29.64
J-18-12	588415	A18-03395	80.00	81.00	1.00	2.79	24.2	353	60		1.3	0.1	33.16
J-18-12	588417	A18-03395	81.00	82.00	1.00	2.74	34.1	708	45.2		1.1	0.4	32.36
J-18-12	588418	A18-03395	82.00	83.00	1.00	2.76	63	815	62.6		0.9	3.9	28.72
J-18-12	588419	A18-03395	83.00	84.00	1.00	2.66	41	504	20.4		0.9	3.0	36.9
J-18-12	588421	A18-03395	84.00	85.00	1.00	2.63	39.3	820	51.7		1.1	22.3	35.94
J-18-12	588422	A18-03395	85.00	86.00	1.00	2.72	42.4	868	76.5		1.3	0.8	34.24
J-18-12	588423	A18-03395	86.00	87.00	1.00	2.74	32.5	1130	87		1.5	0.4	31.44
J-18-12	588424	A18-03395	87.00	88.00	1.00	2.77	44.6	862	68		1.1	39.2	39.2
J-18-12	588425	A18-03395	88.00	89.00	1.00	2.69	68.9	294	28.4		1.5	23.5	51.11
J-18-12	588426	A18-03395	89.00	90.00	1.00	2.67	24.2	844	63.7		1.5	36.2	38.56
J-18-12	588427	A18-03395	90.00	91.00	1.00	2.64	22	1260	77		1.3	12.4	33.73
J-18-12	588428	A18-03395	91.00	92.00	1.00	2.65	25.2	821	53.1		1.5	0.5	29.22
J-18-12	588429	A18-03395	92.00	93.00	1.00	2.67	41.5	474	37.1		1.3	1.3	38
J-18-12	588431	A18-03395	93.00	94.00	1.00	2.72	46.2	681	50.9		0.9	1.4	41.81
J-18-12	588432	A18-03395	94.00	95.00	1.00	2.64	29.1	794	40.9		0.9	5.2	35.34

BHID	Sample	Lab Ref	From_m	To_m	Int_m	SG	Ta_ppm	Rb_ppm	Cs_ppm	B_ppm	Nb/Ta	Mg/Li	K/Rb
J-18-12	588433	A18-03395	95.00	96.50	1.50	2.64	35	371	19.9		1.3	8.4	34.24
J-18-12	588434	A18-03395	96.50	97.50	1.00	2.7	9.7	162	14		1.6	21.2	66.62
J-18-12	588435	A18-03395	97.50	98.50	1.00	2.71	0.6	234	85.2		6.7	18.9	73.44
J-18-13	588437	A18-03395	63.40	64.40	1.00	2.74	0.5	187	66.3		8.0	17.0	98.55
J-18-13	588438	A18-03395	64.40	65.40	1.00	2.73	0.6	420	133		8.3	15.8	54.36
J-18-13	588439	A18-03395	65.40	66.00	0.60	2.65	24.9	659	37.4		1.2	2.4	28.47
J-18-13	588441	A18-03395	66.00	67.00	1.00	2.67	82.7	1110	74.9		1.4	0.2	32.16
J-18-13	588442	A18-03395	67.00	68.00	1.00	2.76	18.6	784	40.3		1.8	0.1	29.97
J-18-13	588443	A18-03395	68.00	69.00	1.00	2.69	13.8	595	33.2		1.3	0.2	30.83
J-18-13	588444	A18-03395	69.00	70.00	1.00	2.71	32.1	928	64.7		1.1	0.1	30.33
J-18-13	588445	A18-03395	70.00	71.00	1.00	2.64	19.5	717	41.8		1.3	0.8	28.37
J-18-13	588446	A18-03395	71.00	72.00	1.00	2.67	5.8	650	39.4		2.4	0.8	30.65
J-18-13	588447	A18-03395	72.00	73.00	1.00	2.68	15.4	429	30.5		1.7	0.1	29.8
J-18-13	588448	A18-03395	73.00	74.00	1.00	2.66	16.4	1040	69.7		1.3	0.3	34.8
J-18-13	588449	A18-03395	74.00	75.00	1.00	2.71	21.6	878	51.7		1.1	0.1	36.31
J-18-13	588451	A18-03395	75.00	76.00	1.00	2.68	15.2	1050	63.6		1.2	0.1	31.78
J-18-13	588452	A18-03395	76.00	77.00	1.00	2.68	18.6	1310	71		1.1	0.1	32.19
J-18-13	588453	A18-03395	77.00	78.03	1.03	2.65	28.3	424	21.3		1.1	0.9	27.41
J-18-13	588454	A18-03395	78.03	79.03	1.00	2.81	0.8	433	220		7.5	14.7	56.94
J-18-13	588455	A18-03395	79.03	80.03	1.00	2.81	0.5	169	69.9		12.0	16.5	166.5
J-18-13	588457	A18-03395	230.65	231.65	1.00	2.91	0.3	76	96.4		20.0	49.0	221.7
J-18-13	588458	A18-03395	231.65	232.65	1.00	2.87	0.4	122	97.3		17.5	40.9	142.9
J-18-13	588459	A18-03395	232.65	233.65	1.00	2.88	20	378	36.8		1.8	0.0	25.48
J-18-13	588461	A18-03395	233.65	235.00	1.35	2.77	29	758	297		1.5	17.2	23.22
J-18-13	588462	A18-03395	235.00	236.00	1.00	3	19.9	106	54.4		0.1	0.0	17.23
J-18-13	588463	A18-03395	236.00	237.00	1.00	2.99	29.8	266	71.8		0.1	0.0	21.22
J-18-13	588464	A18-03395	237.00	237.65	0.65	2.82	20	148	33		1.9	0.0	24.12
J-18-13	588465	A18-03395	237.65	238.65	1.00	2.9	2.4	164	128		4.2	35.8	105.3
J-18-13	588466	A18-03395	238.65	239.65	1.00	2.92	0.4	58	79.5		17.5	58.0	241.9
J-18-14	588468	A18-03395	8.75	9.75	1.00	2.76	0.6	522	259		10.0	15.7	37.37
J-18-14	588469	A18-03395	9.75	10.75	1.00	2.69	136	650	52.2		0.4	10.3	23.37
J-18-14	588471	A18-03395	10.75	11.90	1.15	2.69	78.8	390	25.5		0.6	3.6	26.18
J-18-14	588472	A18-03395	11.90	12.90	1.00	2.74	4.2	253	107		1.9	24.6	63
J-18-14	588473	A18-03395	12.90	13.90	1.00	2.83	0.5	156	96		12.0	33.4	123.5
J-18-14	588474	A18-03395	82.70	83.70	1.00	2.8	0.5	218	96		12.0	17.1	98.25
J-18-14	588475	A18-03395	83.70	84.70	1.00	2.77	3.7	288	95.4		2.7	18.4	78.11
J-18-14	588477	A18-03395	84.70	85.70	1.00	2.76	21.5	978	39		1.9	0.5	28.27
J-18-14	588478	A18-03395	85.70	86.70	1.00	2.72	19.5	731	53.8		1.5	0.1	30.32
J-18-14	588479	A18-03395	86.70	87.70	1.00	2.75	23.4	686	43.4		1.5	0.1	32.55
J-18-14	588481	A18-03395	87.70	88.70	1.00	2.79	30.6	494	40.5		1.5	0.3	35.63
J-18-14	588482	A18-03395	88.70	89.70	1.00	2.75	7.4	1220	59.4		2.2	0.1	32.8

BHID	Sample	Lab Ref	From_m	To_m	Int_m	SG	Ta_ppm	Rb_ppm	Cs_ppm	B_ppm	Nb/Ta	Mg/Li	K/Rb
J-18-14	588483	A18-03395	89.70	90.60	0.90	2.76	50.7	340	27.5		0.7	0.2	37.11
J-18-14	588484	A18-03395	90.60	91.60	1.00	2.77	1.4	312	81.9		4.3	15.2	65.19
J-18-14	588485	A18-03395	91.60	92.60	1.00	2.79	0.5	208	59		12.0	14.9	101.8
J-18-14	588486	A18-03395	102.40	102.85	0.45	2.66	66.2	413	17.8		1.3	3.6	29.35
J-18-14	588487	A18-03395	104.10	105.10	1.00	2.79	0.6	419	109		11.7	18.7	62.21
J-18-14	588488	A18-03395	105.10	106.45	1.35	2.65	55.2	550	22.5		0.9	4.2	30.19
J-18-14	588489	A18-03395	106.45	107.45	1.00	2.72	1.8	256	67.8		4.4	24.9	72.31
J-18-15	588491	A18-06153	22.35	23.35	1.00	2.93	4.1	643	368		4.9	38.7	20.01
J-18-15	588492	A18-06153	23.35	23.75	0.40	2.85	12.3	1410	160		3.3	4.6	28.26
J-18-15	588493	A18-06153	23.75	24.75	1.00	2.77	2.3	1170	642		8.3	20.6	20.01
J-18-15	588494	A18-06153	26.67	27.67	1.00	2.77	0.7	303	200		8.6	15.3	77.81
J-18-15	588495	A18-06153	27.67	28.67	1.00	2.8	2.2	335	208		3.2	14.1	69.39
J-18-15	588497	A18-06153	28.67	30.00	1.33	2.57	58	915	56.9		1.5	19.9	31.03
J-18-15	588498	A18-06153	30.00	31.00	1.00	2.65	36.9	637	49		1.4	1.4	31.28
J-18-15	588499	A18-06153	31.00	32.00	1.00	2.66	58.8	1060	93.3		0.9	0.9	32.74
J-18-15	788001	A18-06153	32.00	33.11	1.11	2.63	14.3	725	54.5		1.2	0.8	33.66
J-18-15	788002	A18-06153	33.11	34.11	1.00	2.98	0.5	45	9.1		10.0	134.3	105.2
J-18-15	788003	A18-06153	34.11	35.11	1.00	2.89	0.3	52	4.4		13.3	105.7	126.1
J-18-15	788004	A18-06153	43.46	44.46	1.00	3.03	0.3	25	4		16.7	198.1	152.7
J-18-15	788005	A18-06153	44.46	45.46	1.00	3.01	0.3	23	6.4		13.3	208.1	148
J-18-15	788006	A18-06153	45.46	46.00	0.54	2.63	14.2	403	34.1		1.7	0.9	39.55
J-18-15	788007	A18-06153	46.00	47.00	1.00	2.7	26	511	37		1.0	0.3	26.32
J-18-15	788008	A18-06153	47.00	48.00	1.00	2.71	36.1	479	36.3		1.1	0.2	27.21
J-18-15	788009	A18-06153	48.00	49.00	1.00	2.73	22	522	37.7		1.7	0.1	29.1
J-18-15	788011	A18-06153	49.00	50.00	1.00	2.67	20.8	590	43.9		1.5	0.3	29.97
J-18-15	788012	A18-06153	50.00	51.00	1.00	2.71	26.4	637	57.6		1.7	0.2	30.63
J-18-15	788013	A18-06153	51.00	52.00	1.00	2.63	21.2	443	37		1.2	4.3	32.42
J-18-15	788014	A18-06153	52.00	53.00	1.00	2.76	24.2	635	51.7		1.4	0.1	30.98
J-18-15	788015	A18-06153	53.00	54.00	1.00	2.71	21.7	390	33.2		1.6	0.1	27.03
J-18-15	788017	A18-06153	54.00	55.18	1.18	2.66	37.7	348	29.7		1.3	0.7	29.82
J-18-15	788018	A18-06153	55.18	56.18	1.00	2.64	42.5	611	249		0.9	14.8	26.09
J-18-15	788019	A18-06153	56.18	57.18	1.00	2.77	0.5	520	375		12.0	16.0	42.78
J-18-15	788021	A18-06153	57.75	58.75	1.00	2.77	0.5	379	235		12.0	33.7	39.21
J-18-15	788022	A18-06153	58.75	59.75	1.00	2.78	5.7	375	229		1.4	15.1	54.9
J-18-15	788023	A18-06153	59.75	61.00	1.25	2.62	35.8	545	30.5		1.9	0.8	29.09
J-18-15	788024	A18-06153	61.00	62.00	1.00	2.66	23.2	542	51.1		1.9	0.0	25.58
J-18-15	788025	A18-06153	62.00	63.00	1.00	2.79	11.6	535	51.8		2.0	0.0	27.62
J-18-15	788026	A18-06153	63.00	64.00	1.00	2.87	10.1	557	50.2		1.5	0.1	28.47
J-18-15	788027	A18-06153	64.00	65.33	1.33	2.72	34.5	351	24.4		1.7	0.0	25.31
J-18-15	788028	A18-06153	65.33	66.33	1.00	2.72	4	411	177		2.8	15.2	44.03
J-18-15	788029	A18-06153	66.33	67.33	1.00	2.77	4.6	222	148		2.6	14.5	67.68

BHID	Sample	Lab Ref	From_m	To_m	Int_m	SG	Ta_ppm	Rb_ppm	Cs_ppm	B_ppm	Nb/Ta	Mg/Li	K/Rb
J-18-15	788031	A18-06153	89.26	90.26	1.00	2.89	0.5	109	141		14.0	50.7	155.4
J-18-15	788032	A18-06153	90.26	91.26	1.00	2.89	0.9	213	261		11.1	37.3	98.99
J-18-15	788033	A18-06153	91.26	92.25	0.99	2.68	6.5	1080	47.4		3.5	0.8	27.36
J-18-15	788034	A18-06153	92.25	93.25	1.00	2.62	5.2	2520	148		2.7	3.0	30.47
J-18-15	788035	A18-06153	93.25	94.25	1.00	2.57	20	1980	140		0.9	1.8	26.83
J-18-15	788037	A18-06153	94.25	95.25	1.00	2.58	25.8	1470	100		0.6	0.6	34.5
J-18-15	788038	A18-06153	95.25	96.25	1.00	2.7	16.3	1750	92.6		2.3	2.1	28.84
J-18-15	788039	A18-06153	96.25	97.25	1.00	2.63	13.9	1610	75.7		0.9	1.2	34.55
J-18-15	788041	A18-06153	97.25	98.25	1.00	2.65	21.5	2130	84.1		1.2	1.8	32.5
J-18-15	788042	A18-06153	98.25	99.25	1.00	2.75	34.7	598	29.1		1.0	10.6	32.62
J-18-15	788043	A18-06153	99.25	100.25	1.00	2.63	41.8	520	27.4		0.6	4.8	41.03
J-18-15	788044	A18-06153	100.25	101.25	1.00	2.75	2.6	291	120		2.7	21.2	73.32
J-18-15	788045	A18-06153	101.25	102.25	1.00	2.76	1.8	158	74.5		3.9	22.8	132.9
J-18-16	788046	A18-06701	64.90	65.90	1.00		0.4	168	42.1		10.0	93.1	91.91
J-18-16	788047	A18-06701	65.90	66.90	1.00		0.4	136	35.9		10.0	157.1	87.29
J-18-16	788048	A18-06701	66.90	67.90	1.00		20.1	343	13.8		0.8	7.8	30.5
J-18-16	788049	A18-06701	67.90	68.90	1.00		59.5	296	13.2		0.5	4.2	31.13
J-18-16	788051	A18-06701	68.90	69.90	1.00		11.4	171	9		0.7	4.2	43.21
J-18-16	788052	A18-06701	69.90	70.50	0.60		31.2	217	10.9		0.7	9.0	33.67
J-18-16	788053	A18-06701	70.50	71.50	1.00		0.7	201	76.7		5.7	50.9	86.73
J-18-16	788054	A18-06701	71.50	72.50	1.00		0.4	109	47.9		10.0	70.6	149.3
J-18-17	788055	A18-06701	13.05	14.05	1.00		0.5	110	67.1		8.0	55.4	105.7
J-18-17	788057	A18-06701	14.05	15.05	1.00		4.8	318	132		1.3	19.5	63.18
J-18-17	788058	A18-06701	15.05	16.05	1.00		80.4	495	29.8		0.7	38.0	40.75
J-18-17	788059	A18-06701	16.05	17.05	1.00		48.8	771	34.3		0.7	60.3	37.15
J-18-17	788061	A18-06701	17.05	18.05	1.00		2.5	33	13.3		2.4	397.4	118.2
J-18-17	788062	A18-06701	18.05	19.05	1.00		0.3	30	14.9		13.3	402.8	135.6
J-18-17	788063	A18-06701	71.60	72.60	1.00		1.3	526	251		5.4	43.1	46.56
J-18-17	788064	A18-06701	72.60	73.60	1.00		1.2	680	268		4.2	52.9	34.55
J-18-17	788065	A18-06701	73.60	74.60	1.00		64.3	967	45.5		0.4	2.4	41.64
J-18-17	788066	A18-06701	74.60	75.60	1.00		18.4	135	6.8		0.6	2.4	30.75
J-18-17	788067	A18-06701	75.60	76.45	0.85		12.9	418	19.7		0.9	2.4	39.92
J-18-17	788068	A18-06701	76.45	77.45	1.00		0.7	246	77.1		7.1	46.3	79.3
J-18-17	788069	A18-06701	77.45	78.45	1.00		0.4	179	79.6		12.5	53.4	124.8
J-18-17	788071	A18-06701	158.28	159.28	1.00		0.9	236	78		5.6	243.0	78.79
J-18-17	788072	A18-06701	159.28	159.38	0.10		20.2	337	86		1.4	145.9	129.6
J-18-17	788073	A18-06701	159.38	160.38	1.00		0.6	184	57.5		8.3	179.1	90.68