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Rock Tech Lithium Inc.

# Report on Field Work 2021

Georgia Lake Lithium Project

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May 13, 2022

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## 1.0 Introduction

This report covers work completed on Rock Tech Lithium's Georgia Lake project during 2021, including prospecting and soil sampling. The main focus was on two smaller claim blocks located in the south of the Georgia Lake area.

The author of this report is Jessica Daniel, M.Sc., P. Geo (British Columbia). Ms. Daniel is an independent geological consultant in good standing with the Association of Engineers and Geoscientists of British Columbia (APEG BC member # 35485) who has been contracted by Rock Tech Lithium. Ms. Daniel has worked for several Canadian mining and junior exploration companies and has overseen exploration programs, including drilling campaigns, during her career. She was not on site during the field program as she was working remotely at the time. However, she has made site visits to the property previously and since the work and assisted in planning the program.

### 1.1 Abbreviations and Units

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

*Table 1. Abbreviations and units used in this report.*

<b>Abbreviation</b>	<b>Long Form</b>
km	Kilometres
NTS	National Topographic System
NAD	North American Datum
UTM	Universal Trans-Mercator
ATV	All-terrain vehicle
JBMD	James Bay Midarctic Developments Inc.
cm	Centimetres
m	Metres
ICP-MS	Inductively coupled mass spectrometry
Li	Lithium
Rb	Rubidium
Cs	Cesium
Mo	Molybdenum
Mn	Manganese
Sr	Strontium
ppb	Parts per billion
ppm	Parts per million

## 2.0 Property Location and Access

### 2.1 Property Location

The Georgia Lake Property is located approximately 150km northeast of Thunder Bay within the Thunder Bay Mining Division in NTS sheets 42E05NW and 52H08NE (Figure 1). The Property consists of 7

separate claims blocks, the largest being the Nama-Conway-McVittie block at the property's northern extent, roughly 20km south of the town of Beardmore. This block consists of 222 cell claims, 1 boundary claim, and 38 leases, two of which are owned by James Bay Midarctic Developments Inc. (JBMD), a wholly owned subsidiary of Rock Tech Lithium. The Foster-Lew property, consisting of another lease owned by JBMD, is situated roughly 4km to the east of this claim block.

Roughly 8.5km to the south of Nama-Conway-McVittie is the Aumacho claim block, comprising 32 cell claims and 10 boundary claims. Two other blocks were staked in 2016 to the south and southeast of Aumacho, consisting of 6 cells claims (plus 4 boundary claims) and 2 cell claims respectively. These two claim blocks were the main focus of this work. Roughly 1km to the north of Aumacho is the Foster property which consists of one lease owned by JBMD.

At the southern end of the property, roughly 40km south of the town of Beardmore is MNW property. This property consists of one lease owned by JBMD. Claim blocks are internally contiguous, though not contiguous with each other (Figure 2).

## 2.2 Access

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

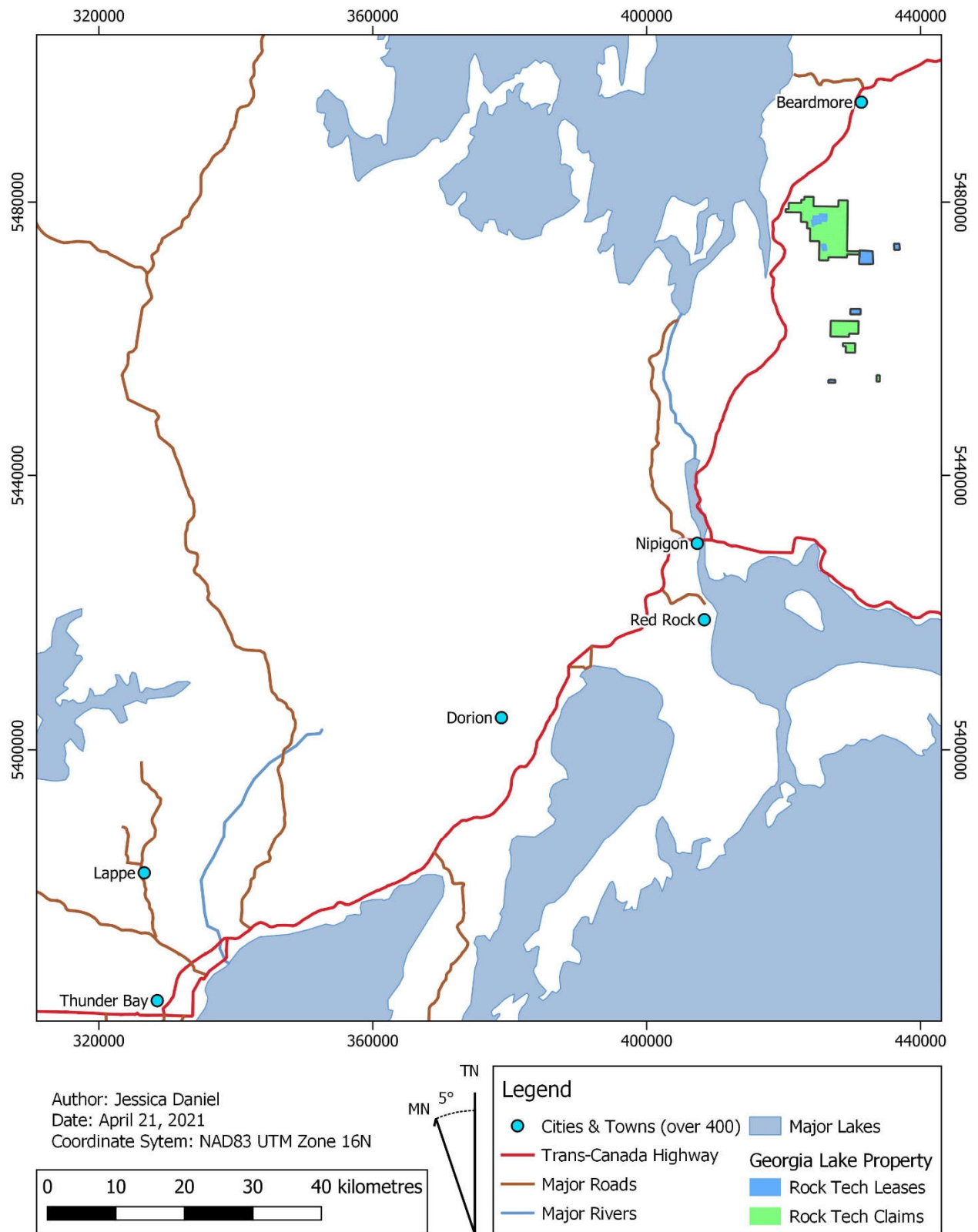


Figure 1. Rock Tech Lithium Georgia Lake Project location map.

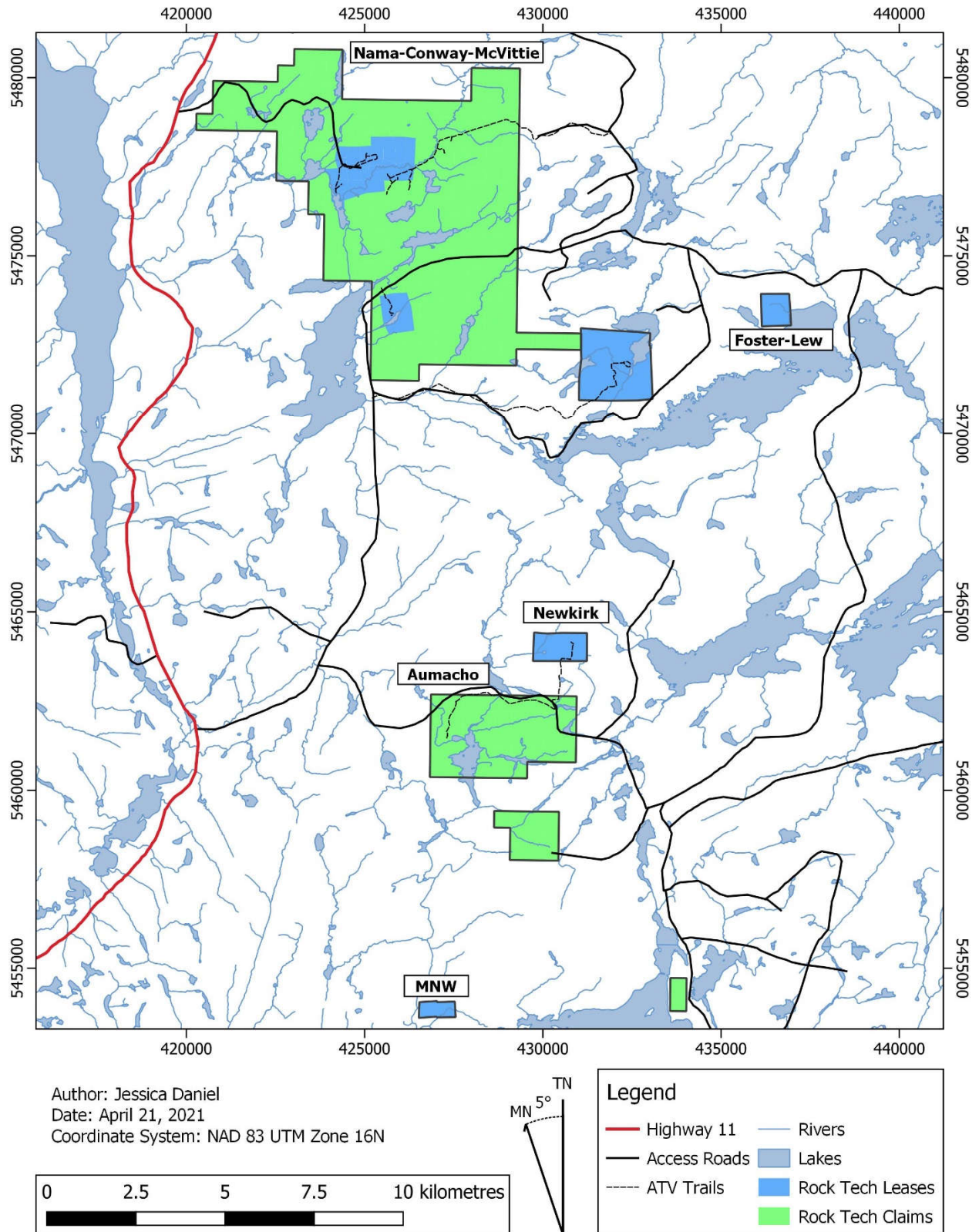


Figure 2. Georgia Lake project property map. See associated maps for detailed claims and leases.

### 3.0 Claim Description and Ownership

The Georgia Lake project comprises 277 claims, 100% owned by Rock Tech Lithium. Table 2 summarizes the claims.

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

Tenure ID	Tenure Type	Anniversary Date	Tenure Status	Tenure Percentage	Work Required
106704	Boundary Cell Mining Claim	2025-05-18	Active	100	200
121402	Single Cell Mining Claim	2025-05-18	Active	100	400
121403	Single Cell Mining Claim	2025-05-18	Active	100	400
133438	Boundary Cell Mining Claim	2025-05-18	Active	100	200
133439	Single Cell Mining Claim	2025-05-18	Active	100	400
133440	Single Cell Mining Claim	2025-05-18	Active	100	400
148869	Boundary Cell Mining Claim	2025-05-18	Active	100	200
178631	Single Cell Mining Claim	2025-05-18	Active	100	400
178632	Single Cell Mining Claim	2025-05-18	Active	100	400
178633	Single Cell Mining Claim	2025-05-18	Active	100	400
185423	Single Cell Mining Claim	2025-05-18	Active	100	400
192885	Boundary Cell Mining Claim	2025-05-18	Active	100	200
194433	Boundary Cell Mining Claim	2025-05-18	Active	100	200
211644	Single Cell Mining Claim	2025-05-18	Active	100	400
225207	Boundary Cell Mining Claim	2025-05-18	Active	100	200
233224	Single Cell Mining Claim	2025-05-18	Active	100	400
233225	Single Cell Mining Claim	2025-05-18	Active	100	400
245372	Boundary Cell Mining Claim	2025-05-18	Active	100	200
252231	Boundary Cell Mining Claim	2025-05-18	Active	100	200
296171	Single Cell Mining Claim	2025-05-18	Active	100	400
318120	Boundary Cell Mining Claim	2025-05-18	Active	100	200
318121	Single Cell Mining Claim	2025-05-18	Active	100	400
318122	Single Cell Mining Claim	2025-05-18	Active	100	400
318123	Boundary Cell Mining Claim	2025-05-18	Active	100	200
115825	Single Cell Mining Claim	2025-08-09	Active	100	400
171517	Single Cell Mining Claim	2025-08-09	Active	100	400
227673	Single Cell Mining Claim	2025-08-09	Active	100	400
114362	Single Cell Mining Claim	2025-08-23	Active	100	400
162012	Single Cell Mining Claim	2025-08-23	Active	100	400
174909	Single Cell Mining Claim	2025-08-23	Active	100	400
196117	Single Cell Mining Claim	2025-08-23	Active	100	400
196118	Single Cell Mining Claim	2025-08-23	Active	100	400
200775	Single Cell Mining Claim	2025-08-23	Active	100	400
208806	Single Cell Mining Claim	2025-08-23	Active	100	400
216184	Single Cell Mining Claim	2025-08-23	Active	100	400
232827	Single Cell Mining Claim	2025-08-23	Active	100	400



232828	Single Cell Mining Claim	2025-08-23	Active	100	400
323525	Single Cell Mining Claim	2025-08-23	Active	100	400
330034	Single Cell Mining Claim	2025-08-23	Active	100	400
330035	Single Cell Mining Claim	2025-08-23	Active	100	400
330036	Single Cell Mining Claim	2025-08-23	Active	100	400
336485	Single Cell Mining Claim	2025-08-23	Active	100	400
248844	Single Cell Mining Claim	2021-05-18	Active	100	400
296565	Single Cell Mining Claim	2022-05-18	Active	100	400
547831	Single Cell Mining Claim	2022-04-09	Active	100	400
547832	Single Cell Mining Claim	2022-04-09	Active	100	400
547833	Single Cell Mining Claim	2022-04-09	Active	100	400
547834	Single Cell Mining Claim	2022-04-09	Active	100	400
547835	Single Cell Mining Claim	2022-04-09	Active	100	400
547836	Single Cell Mining Claim	2022-04-09	Active	100	400
547837	Single Cell Mining Claim	2022-04-09	Active	100	400
547838	Single Cell Mining Claim	2022-04-09	Active	100	400
547839	Single Cell Mining Claim	2022-04-09	Active	100	400
547840	Single Cell Mining Claim	2022-04-09	Active	100	400
547841	Single Cell Mining Claim	2022-04-09	Active	100	400
547842	Single Cell Mining Claim	2022-04-09	Active	100	400
547843	Single Cell Mining Claim	2022-04-09	Active	100	400
605803	Single Cell Mining Claim	2022-08-07	Active	100	400
605804	Single Cell Mining Claim	2022-08-07	Active	100	400
605805	Single Cell Mining Claim	2022-08-07	Active	100	400
605806	Single Cell Mining Claim	2022-08-07	Active	100	400
110212	Single Cell Mining Claim	2022-08-23	Active	100	400
111996	Single Cell Mining Claim	2022-08-23	Active	100	400
112402	Single Cell Mining Claim	2022-08-23	Active	100	400
122214	Single Cell Mining Claim	2022-08-23	Active	100	400
135004	Single Cell Mining Claim	2022-08-23	Active	100	400
135487	Single Cell Mining Claim	2022-08-23	Active	100	200
135508	Single Cell Mining Claim	2022-08-23	Active	100	400
135509	Single Cell Mining Claim	2022-08-23	Active	100	400
137835	Single Cell Mining Claim	2022-08-23	Active	100	400
141085	Single Cell Mining Claim	2022-08-23	Active	100	400
145105	Single Cell Mining Claim	2022-08-23	Active	100	400
153195	Single Cell Mining Claim	2022-08-23	Active	100	400
153196	Single Cell Mining Claim	2022-08-23	Active	100	200
157382	Single Cell Mining Claim	2022-08-23	Active	100	400
180688	Single Cell Mining Claim	2022-08-23	Active	100	200
180689	Single Cell Mining Claim	2022-08-23	Active	100	400
187448	Single Cell Mining Claim	2022-08-23	Active	100	400
187449	Single Cell Mining Claim	2022-08-23	Active	100	400

199694	Single Cell Mining Claim	2022-08-23	Active	100	400
207150	Single Cell Mining Claim	2022-08-23	Active	100	400
235294	Single Cell Mining Claim	2022-08-23	Active	100	400
236125	Single Cell Mining Claim	2022-08-23	Active	100	200
236143	Single Cell Mining Claim	2022-08-23	Active	100	400
239836	Single Cell Mining Claim	2022-08-23	Active	100	400
239837	Single Cell Mining Claim	2022-08-23	Active	100	400
239838	Single Cell Mining Claim	2022-08-23	Active	100	200
240377	Single Cell Mining Claim	2022-08-23	Active	100	400
248430	Single Cell Mining Claim	2022-08-23	Active	100	400
254950	Single Cell Mining Claim	2022-08-23	Active	100	400
255953	Single Cell Mining Claim	2022-08-23	Active	100	400
257141	Single Cell Mining Claim	2022-08-23	Active	100	400
257142	Single Cell Mining Claim	2022-08-23	Active	100	400
266435	Single Cell Mining Claim	2022-08-23	Active	100	400
273068	Single Cell Mining Claim	2022-08-23	Active	100	400
275993	Single Cell Mining Claim	2022-08-23	Active	100	400
291323	Single Cell Mining Claim	2022-08-23	Active	100	200
303458	Single Cell Mining Claim	2022-08-23	Active	100	400
303459	Single Cell Mining Claim	2022-08-23	Active	100	400
303480	Single Cell Mining Claim	2022-08-23	Active	100	400
305792	Single Cell Mining Claim	2022-08-23	Active	100	400
305793	Single Cell Mining Claim	2022-08-23	Active	100	400
307702	Single Cell Mining Claim	2022-08-23	Active	100	400
310367	Single Cell Mining Claim	2022-08-23	Active	100	400
312610	Single Cell Mining Claim	2022-08-23	Active	100	400
320172	Single Cell Mining Claim	2022-08-23	Active	100	400
327111	Single Cell Mining Claim	2022-08-23	Active	100	400
334731	Single Cell Mining Claim	2022-08-23	Active	100	400
335844	Single Cell Mining Claim	2022-08-23	Active	100	400
335845	Single Cell Mining Claim	2022-08-23	Active	100	400
342240	Single Cell Mining Claim	2022-08-23	Active	100	400
106177	Single Cell Mining Claim	2022-12-09	Active	100	400
106178	Single Cell Mining Claim	2022-12-09	Active	100	400
106179	Single Cell Mining Claim	2022-12-09	Active	100	400
109132	Single Cell Mining Claim	2022-12-09	Active	100	400
111427	Single Cell Mining Claim	2022-12-09	Active	100	400
112545	Single Cell Mining Claim	2022-12-09	Active	100	400
120897	Single Cell Mining Claim	2022-12-09	Active	100	400
120898	Single Cell Mining Claim	2022-12-09	Active	100	400
122741	Single Cell Mining Claim	2022-12-09	Active	100	400
123503	Single Cell Mining Claim	2022-12-09	Active	100	400
125308	Single Cell Mining Claim	2022-12-09	Active	100	400

128669	Single Cell Mining Claim	2022-12-09	Active	100	200
128670	Single Cell Mining Claim	2022-12-09	Active	100	200
132070	Single Cell Mining Claim	2022-12-09	Active	100	400
132071	Single Cell Mining Claim	2022-12-09	Active	100	400
134754	Single Cell Mining Claim	2022-12-09	Active	100	400
137311	Single Cell Mining Claim	2022-12-09	Active	100	200
137312	Single Cell Mining Claim	2022-12-09	Active	100	400
138507	Single Cell Mining Claim	2022-12-09	Active	100	400
139846	Single Cell Mining Claim	2022-12-09	Active	100	400
141079	Single Cell Mining Claim	2022-12-09	Active	100	400
141545	Single Cell Mining Claim	2022-12-09	Active	100	400
145282	Single Cell Mining Claim	2022-12-09	Active	100	400
146069	Single Cell Mining Claim	2022-12-09	Active	100	200
148958	Single Cell Mining Claim	2022-12-09	Active	100	400
148959	Single Cell Mining Claim	2022-12-09	Active	100	400
148976	Single Cell Mining Claim	2022-12-09	Active	100	400
150200	Single Cell Mining Claim	2022-12-09	Active	100	400
153229	Single Cell Mining Claim	2022-12-09	Active	100	200
155958	Single Cell Mining Claim	2022-12-09	Active	100	400
155959	Single Cell Mining Claim	2022-12-09	Active	100	400
157396	Single Cell Mining Claim	2022-12-09	Active	100	400
157397	Single Cell Mining Claim	2022-12-09	Active	100	400
158011	Single Cell Mining Claim	2022-12-09	Active	100	400
158092	Single Cell Mining Claim	2022-12-09	Active	100	400
165287	Single Cell Mining Claim	2022-12-09	Active	100	400
165473	Single Cell Mining Claim	2022-12-09	Active	100	400
172048	Single Cell Mining Claim	2022-12-09	Active	100	400
177535	Single Cell Mining Claim	2022-12-09	Active	100	400
177536	Single Cell Mining Claim	2022-12-09	Active	100	400
177537	Single Cell Mining Claim	2022-12-09	Active	100	400
177563	Single Cell Mining Claim	2022-12-09	Active	100	200
179970	Single Cell Mining Claim	2022-12-09	Active	100	400
180171	Single Cell Mining Claim	2022-12-09	Active	100	400
183299	Single Cell Mining Claim	2022-12-09	Active	100	200
183300	Single Cell Mining Claim	2022-12-09	Active	100	200
183301	Single Cell Mining Claim	2022-12-09	Active	100	400
184064	Single Cell Mining Claim	2022-12-09	Active	100	400
184914	Single Cell Mining Claim	2022-12-09	Active	100	400
184915	Single Cell Mining Claim	2022-12-09	Active	100	400
186743	Single Cell Mining Claim	2022-12-09	Active	100	400
187622	Single Cell Mining Claim	2022-12-09	Active	100	400
189324	Single Cell Mining Claim	2022-12-09	Active	100	200
189325	Single Cell Mining Claim	2022-12-09	Active	100	400

189326	Single Cell Mining Claim	2022-12-09	Active	100	400
194468	Single Cell Mining Claim	2022-12-09	Active	100	200
197074	Single Cell Mining Claim	2022-12-09	Active	100	400
197101	Single Cell Mining Claim	2022-12-09	Active	100	200
200580	Single Cell Mining Claim	2022-12-09	Active	100	400
202635	Boundary Cell Mining Claim	2022-12-09	Active	100	200
203998	Single Cell Mining Claim	2022-12-09	Active	100	400
204435	Single Cell Mining Claim	2022-12-09	Active	100	400
205988	Single Cell Mining Claim	2022-12-09	Active	100	400
207140	Single Cell Mining Claim	2022-12-09	Active	100	400
207141	Single Cell Mining Claim	2022-12-09	Active	100	400
208593	Single Cell Mining Claim	2022-12-09	Active	100	400
210027	Single Cell Mining Claim	2022-12-09	Active	100	400
210049	Single Cell Mining Claim	2022-12-09	Active	100	400
211252	Single Cell Mining Claim	2022-12-09	Active	100	400
212013	Single Cell Mining Claim	2022-12-09	Active	100	400
215447	Single Cell Mining Claim	2022-12-09	Active	100	400
215448	Single Cell Mining Claim	2022-12-09	Active	100	400
216677	Single Cell Mining Claim	2022-12-09	Active	100	400
218657	Single Cell Mining Claim	2022-12-09	Active	100	400
218658	Single Cell Mining Claim	2022-12-09	Active	100	200
222058	Single Cell Mining Claim	2022-12-09	Active	100	400
222708	Single Cell Mining Claim	2022-12-09	Active	100	400
222709	Single Cell Mining Claim	2022-12-09	Active	100	400
224064	Single Cell Mining Claim	2022-12-09	Active	100	400
225351	Single Cell Mining Claim	2022-12-09	Active	100	400
225352	Single Cell Mining Claim	2022-12-09	Active	100	400
225448	Single Cell Mining Claim	2022-12-09	Active	100	400
226614	Single Cell Mining Claim	2022-12-09	Active	100	400
230728	Single Cell Mining Claim	2022-12-09	Active	100	400
231904	Single Cell Mining Claim	2022-12-09	Active	100	200
234029	Single Cell Mining Claim	2022-12-09	Active	100	400
239853	Single Cell Mining Claim	2022-12-09	Active	100	200
239854	Single Cell Mining Claim	2022-12-09	Active	100	400
244181	Single Cell Mining Claim	2022-12-09	Active	100	400
244210	Single Cell Mining Claim	2022-12-09	Active	100	400
246696	Single Cell Mining Claim	2022-12-09	Active	100	400
247210	Single Cell Mining Claim	2022-12-09	Active	100	400
248431	Single Cell Mining Claim	2022-12-09	Active	100	400
253224	Single Cell Mining Claim	2022-12-09	Active	100	400
253549	Single Cell Mining Claim	2022-12-09	Active	100	400
254946	Single Cell Mining Claim	2022-12-09	Active	100	400
255225	Single Cell Mining Claim	2022-12-09	Active	100	400

255987	Single Cell Mining Claim	2022-12-09	Active	100	400
257144	Single Cell Mining Claim	2022-12-09	Active	100	400
258032	Single Cell Mining Claim	2022-12-09	Active	100	400
258045	Single Cell Mining Claim	2022-12-09	Active	100	400
258678	Single Cell Mining Claim	2022-12-09	Active	100	400
258771	Single Cell Mining Claim	2022-12-09	Active	100	400
258772	Single Cell Mining Claim	2022-12-09	Active	100	400
260007	Single Cell Mining Claim	2022-12-09	Active	100	400
260008	Single Cell Mining Claim	2022-12-09	Active	100	400
263715	Single Cell Mining Claim	2022-12-09	Active	100	400
277987	Single Cell Mining Claim	2022-12-09	Active	100	400
278007	Single Cell Mining Claim	2022-12-09	Active	100	400
284578	Single Cell Mining Claim	2022-12-09	Active	100	400
285135	Single Cell Mining Claim	2022-12-09	Active	100	200
288478	Single Cell Mining Claim	2022-12-09	Active	100	200
288479	Single Cell Mining Claim	2022-12-09	Active	100	400
293192	Single Cell Mining Claim	2022-12-09	Active	100	200
293232	Single Cell Mining Claim	2022-12-09	Active	100	400
296585	Single Cell Mining Claim	2022-12-09	Active	100	400
300299	Single Cell Mining Claim	2022-12-09	Active	100	400
304416	Single Cell Mining Claim	2022-12-09	Active	100	400
305369	Single Cell Mining Claim	2022-12-09	Active	100	400
308917	Single Cell Mining Claim	2022-12-09	Active	100	200
309239	Single Cell Mining Claim	2022-12-09	Active	100	400
313830	Single Cell Mining Claim	2022-12-09	Active	100	400
313831	Single Cell Mining Claim	2022-12-09	Active	100	400
314570	Single Cell Mining Claim	2022-12-09	Active	100	400
314571	Single Cell Mining Claim	2022-12-09	Active	100	400
323416	Single Cell Mining Claim	2022-12-09	Active	100	400
323417	Single Cell Mining Claim	2022-12-09	Active	100	400
323418	Single Cell Mining Claim	2022-12-09	Active	100	400
326591	Single Cell Mining Claim	2022-12-09	Active	100	400
327329	Single Cell Mining Claim	2022-12-09	Active	100	400
328711	Single Cell Mining Claim	2022-12-09	Active	100	400
328730	Single Cell Mining Claim	2022-12-09	Active	100	400
331609	Single Cell Mining Claim	2022-12-09	Active	100	400
331861	Single Cell Mining Claim	2022-12-09	Active	100	400
332147	Single Cell Mining Claim	2022-12-09	Active	100	400
333104	Single Cell Mining Claim	2022-12-09	Active	100	400
334733	Single Cell Mining Claim	2022-12-09	Active	100	400
335846	Single Cell Mining Claim	2022-12-09	Active	100	400
339162	Single Cell Mining Claim	2022-12-09	Active	100	400
339163	Single Cell Mining Claim	2022-12-09	Active	100	200

340996	Single Cell Mining Claim	2022-12-09	Active	100	400
340997	Single Cell Mining Claim	2022-12-09	Active	100	400
342241	Single Cell Mining Claim	2022-12-09	Active	100	400
344793	Single Cell Mining Claim	2022-12-09	Active	100	400
105386	Single Cell Mining Claim	2023-05-18	Active	100	400
169789	Single Cell Mining Claim	2023-05-18	Active	100	400
169790	Single Cell Mining Claim	2023-05-18	Active	100	200
189290	Single Cell Mining Claim	2023-05-18	Active	100	400
218619	Single Cell Mining Claim	2023-05-18	Active	100	400
218620	Single Cell Mining Claim	2023-05-18	Active	100	200
218621	Single Cell Mining Claim	2023-05-18	Active	100	200
293190	Single Cell Mining Claim	2023-05-18	Active	100	400
293191	Single Cell Mining Claim	2023-05-18	Active	100	400
305332	Single Cell Mining Claim	2023-05-18	Active	100	400
344757	Single Cell Mining Claim	2023-05-18	Active	100	400
344758	Single Cell Mining Claim	2023-05-18	Active	100	200
106094	Boundary Cell Mining Claim	2021-05-18	Active	100	200
134145	Single Cell Mining Claim	2021-05-18	Active	100	400
134146	Single Cell Mining Claim	2021-05-18	Active	100	400
150096	Single Cell Mining Claim	2021-05-18	Active	100	400
166643	Single Cell Mining Claim	2021-05-18	Active	100	400
186148	Boundary Cell Mining Claim	2021-05-18	Active	100	200
233958	Single Cell Mining Claim	2021-05-18	Active	100	400
281964	Boundary Cell Mining Claim	2021-05-18	Active	100	200
166642	Boundary Cell Mining Claim	2022-05-18	Active	100	200
318849	Single Cell Mining Claim	2022-05-18	Active	100	400

## 4.0 Geological Setting

### 4.1 Regional Geology

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

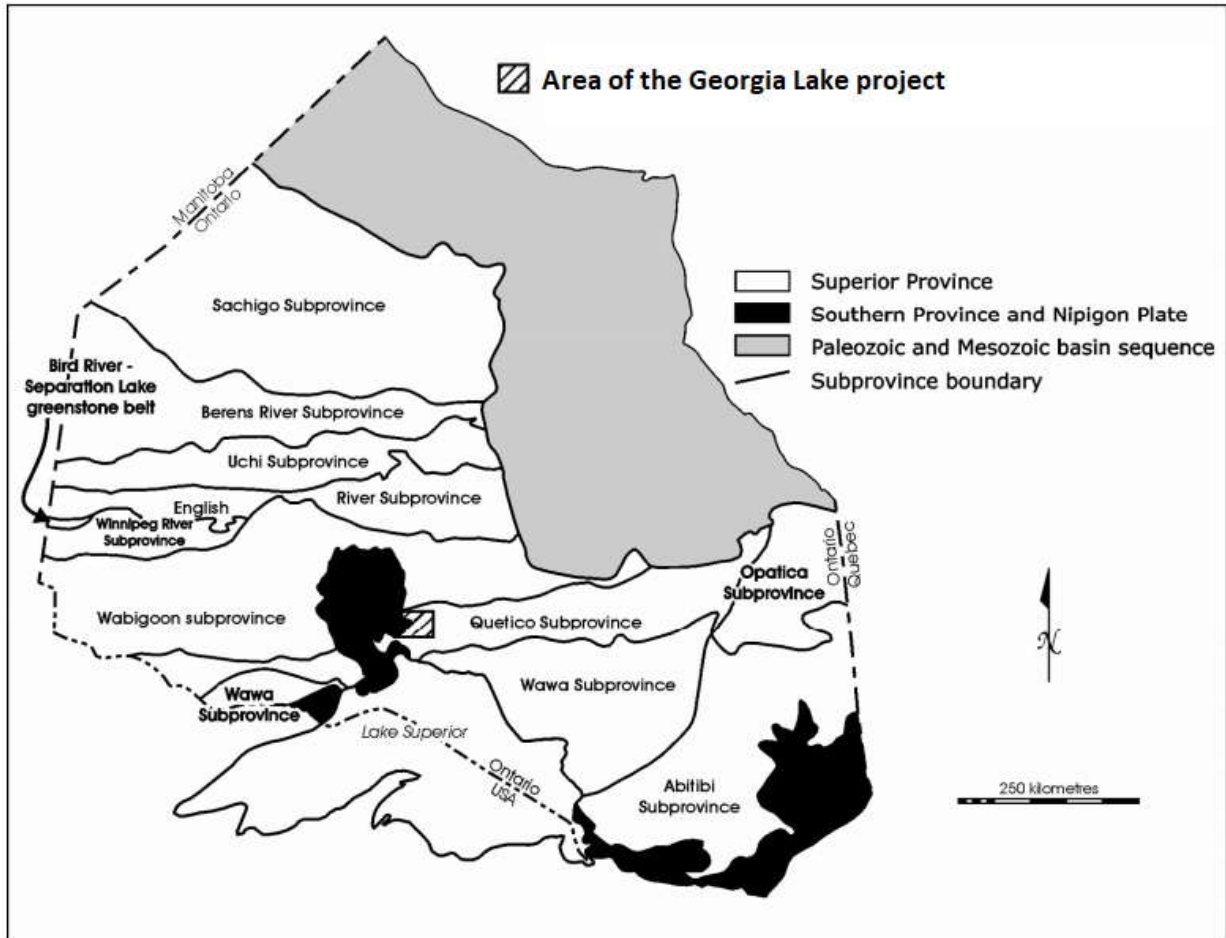


Figure 3. Subprovinces of the Superior Province. Modified after Breaks, Selway and Tindle (2008).

## 4.2 Property Geology

Rock Tech Lithium’s Georgia Lake property consists dominantly of metamorphosed sediments which host several of the rare element pegmatites. Following sedimentation, granitic rocks and gabbroic sills and dykes intruded the area followed by Logan diabase sills during the Proterozoic (Figure 4; Pye, 1965). The granitic Glacier Lake Batholith and Barbara Lake stock are thought to be the progenitors of the Georgia Lake pegmatite dykes (Breaks, Selway, and Tindle, 2008). Pegmatites are hosted within the metasediments, smaller granitic units, and the progenitor granites themselves.

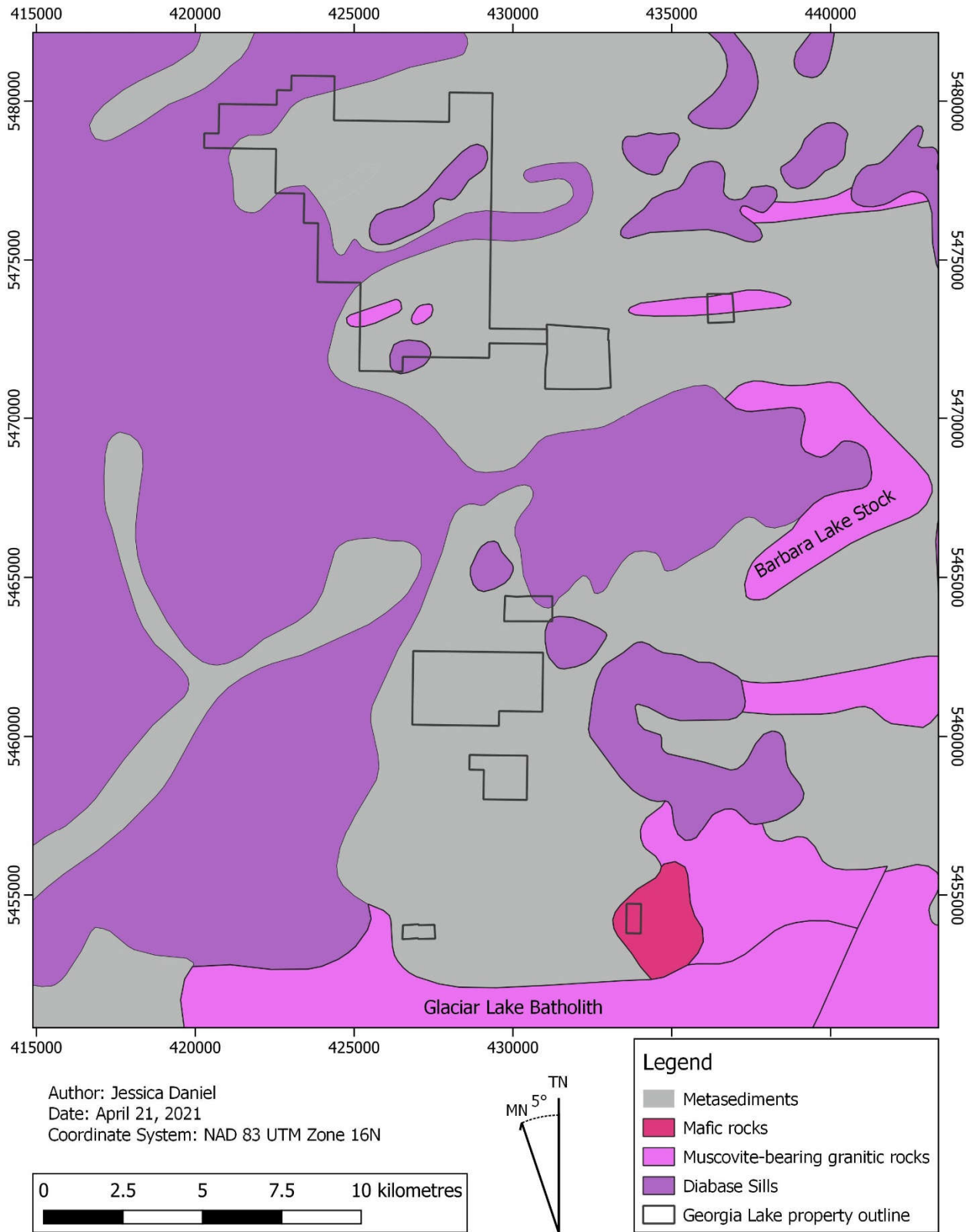


Figure 4. Geology of the Georgia Lake area.



## 5.0 Historic Work

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

*Table 3. Summary of early historic work.*

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

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

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

Rock Tech acquired the project in 2010 and has since completed prospecting and sampling, trenching and channel sampling, and drilling. The following was completed by Rock Tech during its 2010-2011 and 2016-2018 programs:

Table 4. Summary of previous Rock Tech drillholes and channels.

Dyke	Area	Drillholes	Channels
MZN	Nama Creek	32	34
MZSW	Nama Creek	4	28
Harricana/West	Nama Creek	6	31
Line 60	Nama Creek	5	39
Conway	Conway	13	22
Parole Lake/No. 4	Jean Lake	9	2
Brink	Aumacho	10	4
Newkirk	Newkirk	0	9
McVittie	McVittie	0	12

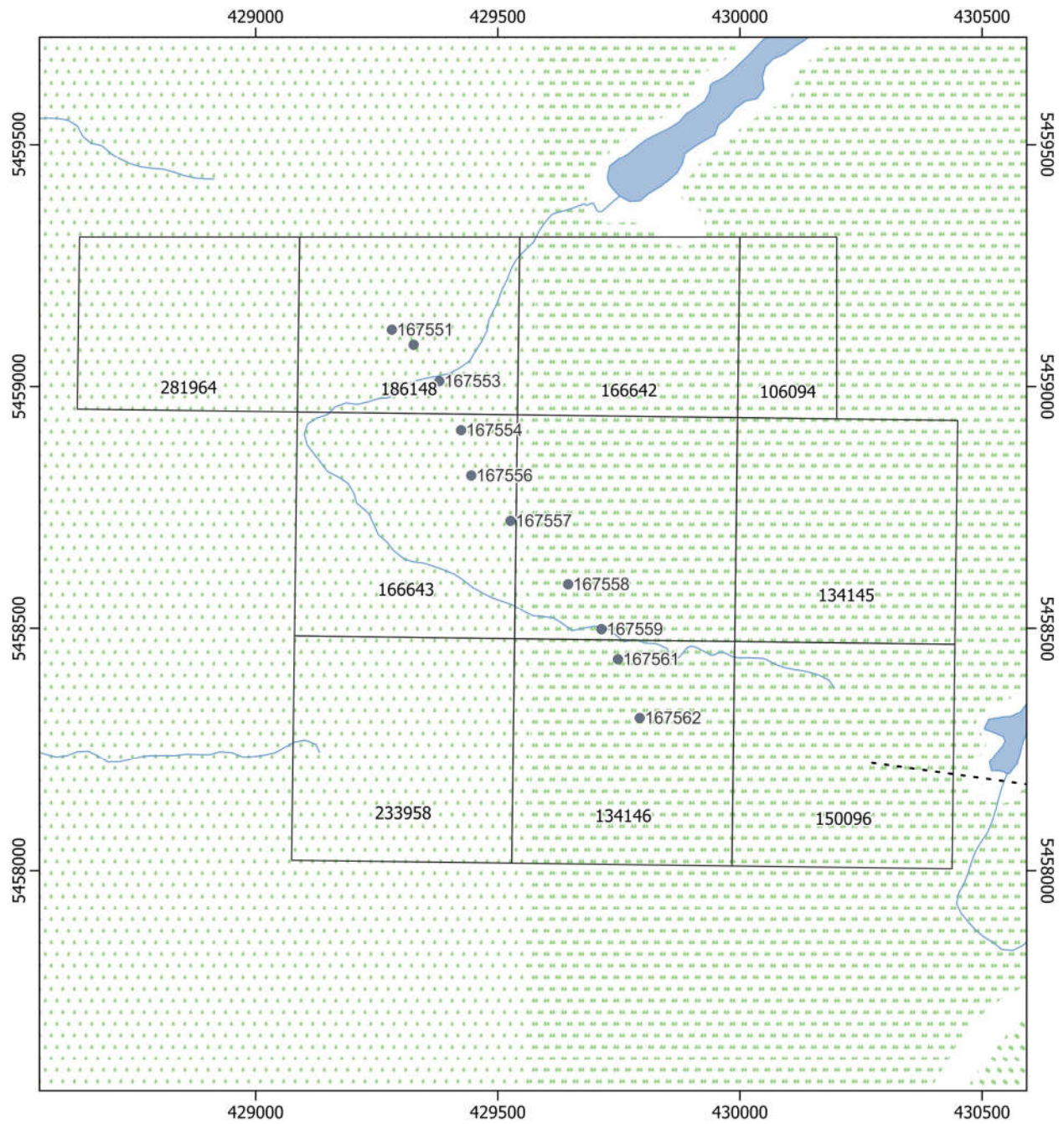
A drill program focussed on the main area around Nama Creek and Conway was started in 2021 and is still underway. Previous work on the claims that were the centre of the work described in this report consisted of limited prospecting and sampling.

## 6.0 Prospecting and Soil Sampling Program

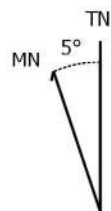
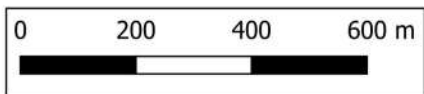
Prospecting and soil sampling were completed over the two southern claim blocks (South Aumacho and Cosgrave Lake) from October 4-6, 2021, with a day of reconnaissance taking place prior to sampling on October 3, 2021. Further soil sampling was completed in the vicinity of Nama Creek on October 7, 2021. A total of 11 soil samples and 2 rock samples were collected at the South Aumacho claim block. At the Cosgrave Lake claim block, 9 soil samples and 4 rock and float samples were collected. Two soil and one humus samples were collected at MZN. See Appendix A for descriptions of each sample.

One soil sample line across the South Aumacho claim block (Figure 5) and one across the Cosgrave Lake claim block (Figure 6) were completed. The two soil samples and one sample of organic matter taken at MZN were situated near the known mineralized pegmatite dykes (Figure 7). Sample spacing ranged mostly between 50m and 100m and was dependent on locating a good sample site. Soil samples were generally taken of the B (subsoil) or C (substratum) horizon, ranging in depth from 20cm to 1.5m. The majority of samples were taken from a depth of 30-40cm. However, one sample was taken of organic matter/humus from the surface (the humus sample at MZN). The sample media for most other samples was the clay-silt sized fraction. One sample was of the silt-sand sized fraction. Two separate analysis packages were completed on the soil samples, Bioleach followed by ICP-MS and Enzyme Selective Extraction followed by ICP-MS. Bioleach is proprietary to ActLabs and functions by digesting bacteria and their proteins found on soil particles. The purpose of completing two different methods was to evaluate the success of each. The one sample of organic matter was analysed by instrumental neutron activation. One duplicate sample was submitted as part of the soil sampling program.

Rock samples were taken of representative units in the area of the soil samples. On the South Aumacho claim block, the two rock samples were of biotite schist. Multiple units were sampled on the Cosgrave Lake claim block: Quartz-feldspar-biotite schist, chlorite-biotite schist, quartz-feldspar porphyry, and granodiorite found in float. Samples were sent to ActLabs in Geraldton for preparation and subsequently sent to their laboratory in Ancaster for analysis of lithium using a sodium peroxide fusion plus ICP-OES. 41 other elements, including major oxides, were also analysed for using fusion plus ICP-OES or ICP-MS. Loss on ignition was also determined. No standards, blanks, or duplicates were submitted as part of this program. Appendix B contains the assay certificate for all analyses.



Author: Jessica Daniel  
 Date: May 10, 2022  
 Coordinate System: NAD 83 UTM Zone 16N



**Legend**

- - - Access Trails
- Rivers
- Lakes
- Wooded\_Areas
- Rock Tech claims
- Soil Sample Locations

Figure 5. Soil sample locations from the South Aumacho claim block.



Author: Jessica Daniel  
 Date: May 10, 2022  
 Coordinate System: NAD 83 UTM Zone 16N

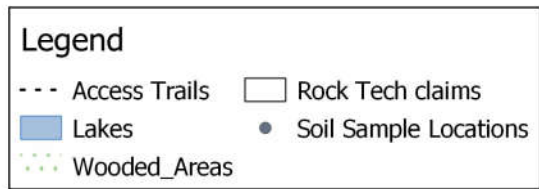
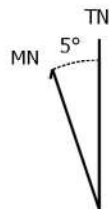
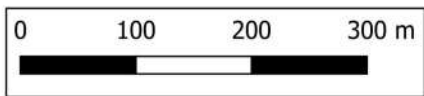
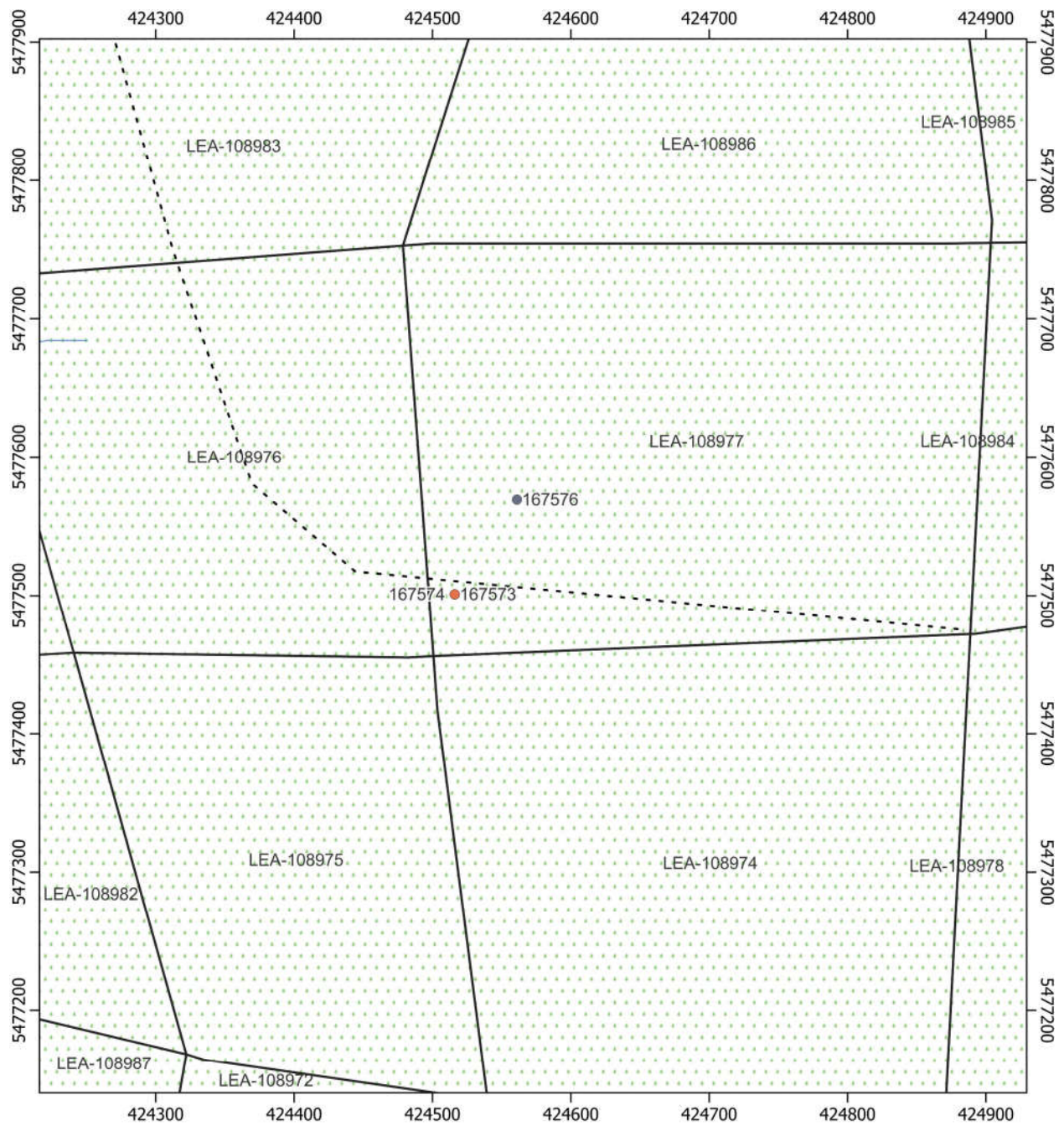
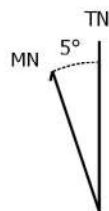
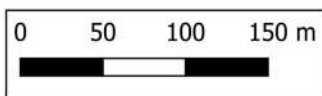


Figure 6. Soil sample locations from the Cosgrave Lake claim block.



Author: Jessica Daniel  
 Date: May 10, 2022  
 Coordinate System: NAD 83 UTM Zone 16N



Legend	
- - - Access Trails	□ Mining_Land_Tenure
— Rivers	● Soil Sample Locations
••• Wooded_Areas	● Organic Sample Location

Figure 7. Soil sample locations from the MZN area. Note that the sample of organic matter and one of the soil samples are almost in the same location.

## 7.0 Results

### 7.1 Results of soil sampling

In Galeschuk and Vanstone (2007), the authors found the Enzyme Selective Extraction method at ActLabs (then called Enzyme Leach) to be successful in locating buried pegmatites at the Tanco deposit in Manitoba. In particular, they found Mo, Mn, and Sr gave strong responses over a pegmatite body. In addition, Li, Rb, and Cs were also found to be important indicators. All of these elements were examined in both the Selective Enzyme Extraction (Table 5) and Bioleach (Table 6) methods to determine if there were any anomalies. Results of the two soil samples and one organic matter sample (Table 7), taken in the vicinity of the MZN deposit, the main resource area on the Georgia Lake property, were compared to those from South Aumacho and Cosgrave Lake. The two methods were then compared.

Results of Mo and Rb did not appear to be useful for discerning any trends in either extractive method as there appeared to be general scatter in the results. As well, in the case of the Enzyme Selective Extraction method, most Mo results were below detection.

The Enzyme Selective Extraction results showed anomalous Li in samples from MZN, South Aumacho, and Cosgrave Lake. The anomalous Li results sometimes correlated with anomalous Mn. However, the results of other elements did not elicit any obvious trends.

The Bioleach results showed anomalous Li in samples at MZN and South Aumacho. This trend was matched in the Bioleach results of Sr and Mn (which also showed an anomalous sample at Cosgrave Lake). Cs results were anomalous at MZN and also at South Aumacho. However, the samples anomalous in Cs in this area were adjacent to the samples anomalous in Li.

*Table 5. Results of soil sample by Selective Enzyme Extraction method*

<b>Sample</b>	<b>Station</b>	<b>Area</b>	<b>Li ppb</b>	<b>Mo ppb</b>	<b>Mn ppb</b>	<b>Rb ppb</b>	<b>Sr ppb</b>	<b>Cs ppb</b>
167551	AMCHSO01	South Aumacho	14	<1	212	38	78	2.4
167552	AMCHSO02	South Aumacho	3	4	150	16	120	2.1
167553	AMCHSO03	South Aumacho	30	3	1030	19	121	3.8
167554	AMCHSO04	South Aumacho	12	<1	419	60	93	3.1
167556	AMCHSO05	South Aumacho	6	1	543	71	131	6.5
167557	AMCHSO06	South Aumacho	11	3	316	21	127	3.9
167558	AMCHSO08	South Aumacho	38	5	497	19	163	4.3
167559	AMCHSO09	South Aumacho	15	<1	285	69	137	10.8
167560	AMCHSO09	South Aumacho	13	<1	93	60	108	8
167561	AMCHSO10	South Aumacho	5	<1	392	118	60	4.7
167562	AMCHSO11	South Aumacho	12	<1	135	50	254	2.2
167563	COS01	Cosgrave Lake	4	<1	165	72	121	7.6
167564	COS03	Cosgrave Lake	6	<1	53	62	166	7.1
167566	COS05	Cosgrave Lake	6	1	419	25	133	0.6
167567	COS07	Cosgrave Lake	18	<1	381	49	106	4.3
167568	COS09	Cosgrave Lake	9	<1	810	53	150	1.6
167569	COS10	Cosgrave Lake	2	1	339	59	148	5.4
167570	COS11	Cosgrave Lake	17	<1	94	72	107	10.8

167571	COS12	Cosgrave Lake	24	<1	387	40	140	3
167572	COS13	Cosgrave Lake	39	<1	235	59	105	4.1
167573	MAIN01	Main Zone	8	<1	1140	16	151	8.1
167576	MAIN02	Main Zone	33	<1	982	78	203	7.8

Table 6. Results of soil sample by Bioleach method

Sample	Station	Area	Li ppb	Mo ppb	Mn ppb	Rb ppb	Sr ppb	Cs ppb
167551	AMCHSO01	South Aumacho	1.9	5	513	61.2	51	6.58
167552	AMCHSO02	South Aumacho	18.4	6	1740	54.9	287	23.8
167553	AMCHSO03	South Aumacho	22.8	12	6250	25.7	267	12.7
167554	AMCHSO04	South Aumacho	3.6	8	688	65.2	49.3	8.8
167556	AMCHSO05	South Aumacho	6.2	7	6770	82.8	244	20.8
167557	AMCHSO06	South Aumacho	6.2	6	6570	25.5	201	9.84
167558	AMCHSO08	South Aumacho	25.3	13	3270	15.9	107	8.45
167559	AMCHSO09	South Aumacho	1.7	5	432	66	39.3	21.8
167560	AMCHSO09	South Aumacho	0.8	6	183	66.4	37.4	18.4
167561	AMCHSO10	South Aumacho	2.3	10	872	107	46.3	8.94
167562	AMCHSO11	South Aumacho	3.9	10	279	47.1	152	6.86
167563	COS01	Cosgrave Lake	0.7	9	308	79.2	106	20.2
167564	COS03	Cosgrave Lake	2.2	5	155	63.1	99.1	11.6
167566	COS05	Cosgrave Lake	< 0.2	13	965	28.2	107	2.94
167567	COS07	Cosgrave Lake	1.1	7	655	42.5	55.8	6.71
167568	COS09	Cosgrave Lake	0.6	12	1440	60.6	117	4.95
167569	COS10	Cosgrave Lake	0.3	11	632	74.8	126	19.8
167570	COS11	Cosgrave Lake	5	5	171	71.9	46	19.3
167571	COS12	Cosgrave Lake	5.3	9	700	40.3	93.8	5.25
167572	COS13	Cosgrave Lake	3.9	10	362	57	68.8	8.47
167573	MAIN01	Main Zone	13.6	16	3100	41.4	137	29.7
167576	MAIN02	Main Zone	18.1	8	3900	162	292	88.2

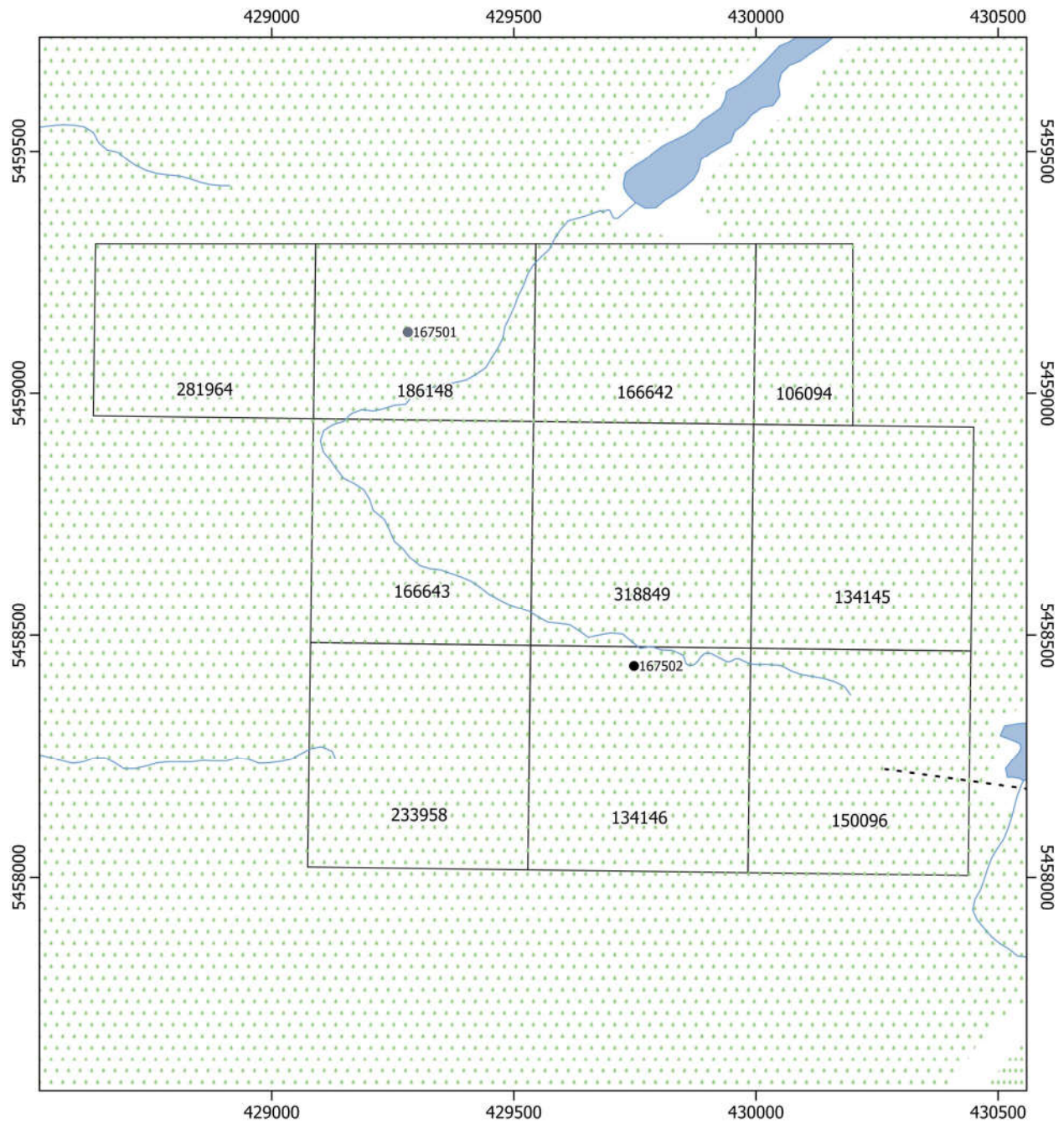
Table 7. Results of the organic matter sample (note that Li and Mn were not analysed for).

Sample	Station	Area	Mo ppm	Rb ppm	Sr ppm	Cs ppm
167574	MAIN01	Main Zone	4.4	20	< 100	5.7

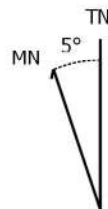
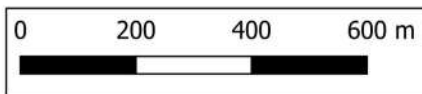
## 7.2 Results of rock sampling

Lithium values were low for all rock samples. Two samples came back below detection while the other four came back at detection level (0.01% Li<sub>2</sub>O). Figure 8 shows the results of the rock sampling at the South Aumacho claim block and Figure 9 shows the results at the Cosgrave Lake claim block.

Galeschuk and Vanstone (2007) found that rock units adjacent to pegmatites returned anomalous Li values at the Tanco property. This has also been observed in drilling in the north of the Georgia Lake property. However, anomalous lithium was observed to continue for roughly 2m at Georgia Lake.



Author: Jessica Daniel  
 Date: April 6, 2022  
 Coordinate System: NAD 83 UTM Zone 16N



### Legend

- - - Access Trails
- Rivers
- Lakes
- Wooded\_Areas
- Rock Tech claims
- Below detection
- 0.01% Li<sub>2</sub>O

Figure 8. Rock sample results from the South Aumacho claim block.



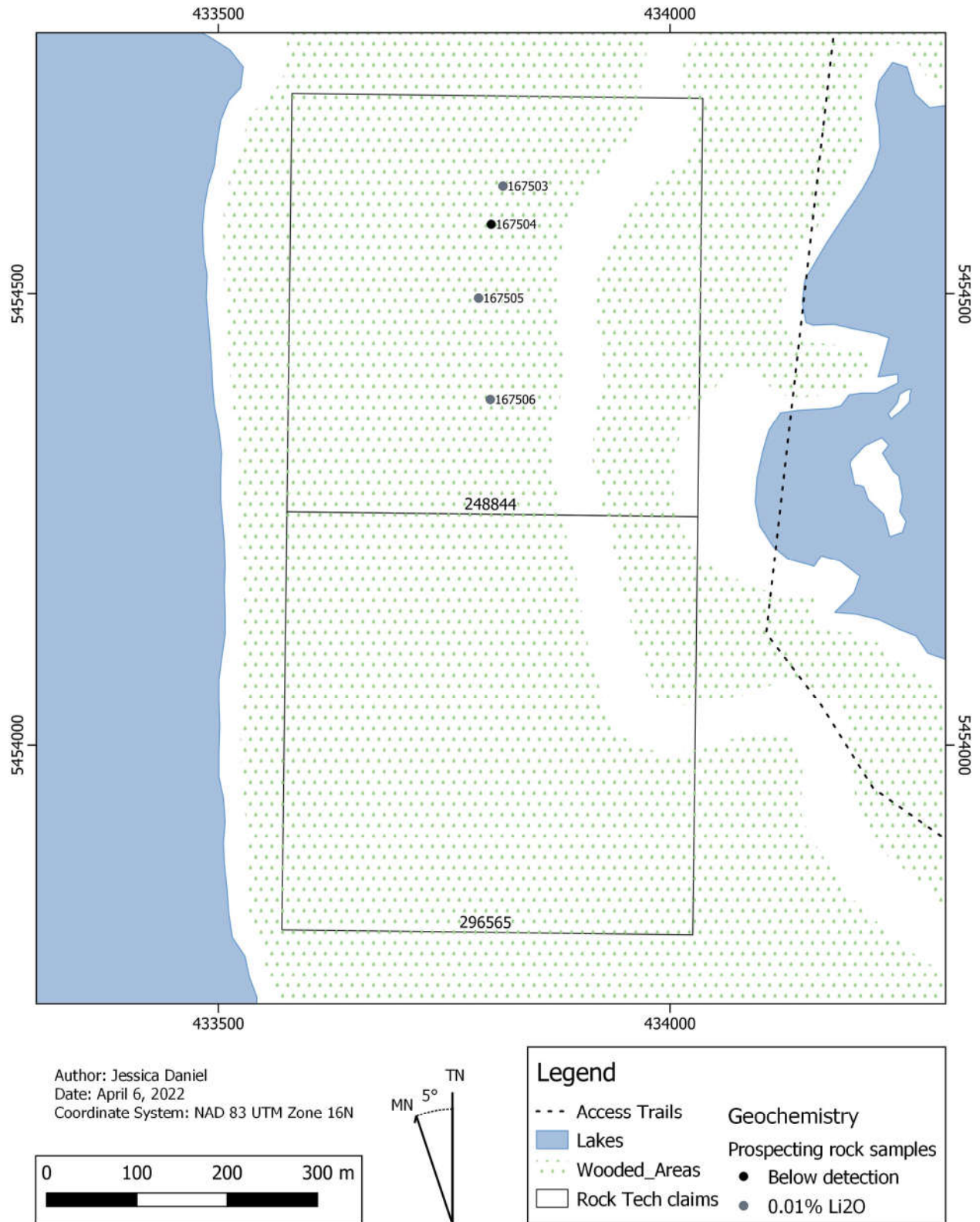


Figure 9. Rock sample results from the Cosgrave Lake claim block.

## 8.0 Interpretations and Conclusions

Field work completed in 2021 at the Georgia Lake property was successful in outlining target areas on the South Aumacho and Cosgrave Lake claims. No spodumene bearing pegmatite was sampled during the rock sampling. As such, it was somewhat expected that lithium values would be low. However, soil results are encouraging as they showed anomalous values that were comparable to those at MZN. It should be noted that more work needs to be completed in these areas to determine if the results do indeed point to buried pegmatites.

At the moment, it is unclear which method used on the soil samples, Enzyme Selective Extraction or Bioleach, is better for determining the location of buried pegmatites. The Bioleach did appear to show more trends in the data but, if these trends do not relate to pegmatites, then this method is not actually more useful.

Further work should be conducted at the two southern claim blocks in the areas of the soil anomalies described above. Ground truthing of the soil anomalies, particularly the multi-element anomalies shown in the Bioleach results, should be undertaken. In addition, it is recommended that further soil sampling be conducted over the known pegmatites in the north of Rock Tech's property. This will provide a clearer basis for interpreting results on the South Aumacho and Cosgrave Lake claim blocks.

## 9.0 References

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

Galeschuk, C. and Vanstone, P. (2007): Exploration Techniques for Rare-Element Pegmatite in the Bird River Greenstone Belt, Southeastern Manitoba; in "Proceedings of Exploration 07: Fifth Decennial International Conference on Mineral Exploration" edited by B. Milkereit, 2007, p. 823-839.

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

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

## Appendix A: Prospecting and Soil Sample Data

Sample	Date	Station	Type	Easting	Northing	QC	Rock Type	Colour	Grainsize	Depth_m	Horizon	Comment
167551	05-Oct-21	AMCHSO01	Soil	429281	5459117			Brown	clay-silt	0.2	B	Looks B-horizon
167501	05-Oct-21	AMCHSO01	Rock	429281	5459126		Meta-sandstone - biotite schist					0.5-2 mm garnet porphyroblasts in biotite-rich matrix
167552	05-Oct-21	AMCHSO02	Soil	429326	5459086			Grey	clay-silt	1	C	Looks proper C-horizon
167553	05-Oct-21	AMCHSO03	Soil	429379	5459011			Grey	silt-sand	0.4	C	C-horizon
167554	05-Oct-21	AMCHSO04	Soil	429424	5458910			Brown	silt	0.3	B-C	Transition between B to C, hit bedrock bottom
167556	05-Oct-21	AMCHSO05	Soil	429445	5458815			Grey	silt-sand	0.4	C	Silty-sand till material
167557	05-Oct-21	AMCHSO06	Soil	429526	5458722			Brown-dark brown	silt-sand	0.75	C	Silty-sand till material
No Sample	05-Oct-21	AMCHSO07	N/A	429603	5458636							
167558	05-Oct-21	AMCHSO08	Soil	429645	5458592			Dark Brown	silt-sand	0.6	C	silty-sand till with some pebbles
167559	05-Oct-21	AMCHSO09	Soil	429714	5458498			Brown	clay-silt	0.3	B-C	Clay-silt material with a bit of sand and some pebbles. B horizon - transitions to C horizon before hitting bedrock
167560	05-Oct-21	AMCHSO09	Soil	429714	5458498	Duplicate		Brown	clay-silt	0.3	B-C	Duplicate of 167559
167502	05-Oct-21	AMCHSO10	Rock	429748	5458436		Biotite-mica schist (meta-sediment)					
167561	05-Oct-21	AMCHSO10	Soil	429748	5458436			Brown-dark brown	clay-silt	0.3	B	Clay-silt material above bedrock
167562	05-Oct-21	AMCHSO11	Soil	429793	5458315			Grey	silt-sand	0.3	C	Silt-sand till material above bedrock
167503	06-Oct-21	COS01	Rock	433815	5454619		Quartz-feldspar-biotite schist (meta-sediment)					Foliation-parallel bedding at 305/40
167563	06-Oct-21	COS01	Soil	433809	5454622			Brown	silt	0.3	B-C	
167504	06-Oct-21	COS02	Rock	433802	5454577		QFP - quartz-feldspar porphyry					
167564	06-Oct-21	COS03	Soil	433796	545455			Dark brown	clay-silt	0.4	B-C	
167505	06-Oct-21	COS04	Rock	433788	5454495		Chlorite-biotite schist (meta-sediment)					Well-developed foliation - 320/50
167566	06-Oct-21	COS05	Soil	433797	545454			Dark grey	clay-silt	0.3	C	
167506	06-Oct-21	COS06	Rock-Float	433801	5454383		Granodiorite float					Feldspar-quartz-biotite granodiorite float. Possible Georgia Lake Granite material
167567	06-Oct-21	COS07	Soil	433808	5454374			Dark brown	clay	0.3	B-C	Taken from 0.3 m above bedrock
No Sample	06-Oct-21	COS08	N/A	433815	5454337							
167568	06-Oct-21	COS09	Soil	433823	5454245			Brown	clay-silt	0.4	C	Clay-silt-sand material above bedrock
167569	06-Oct-21	COS10	Soil	433820	5454165			Brown-grey	clay-silt	0.4	C	Clay-silt-sand material above bedrock
167570	06-Oct-21	COS11	Soil	433829	5454057			Brown-grey	clay-silt	0.5	C	Clay-silt-sand material above bedrock
167571	06-Oct-21	COS12	Soil	433821	5453957			Brown-grey	clay-silt	0.3	C	Clay-silt-sand material above bedrock
167572	06-Oct-21	COS13	Soil	433806	5453885			Brown	clay-silt	0.3	C	Clay-silt-sand material above bedrock
167573	07-Oct-21	MAIN01	Soil	424516	5477501			Brown	clay-silt	1.5	C	Main Zone sample taken from 1.5 m below surface
167574	07-Oct-21	MAIN01	Humus	424516	5477501			Black	organic matter	0-0.2	A	Humus from Main Zone
167576	07-Oct-21	MAIN02	Soil	424561	5477569			Light-brown	clay-silt	0.3	B-C	Main zone sample taken from 0.3 m below surface

## Appendix B: Assay Certificate



Report No.: A22-03414  
 Report Date: 09-May-22  
 Date Submitted: 15-Mar-22  
 Your Reference:

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

ATTN: Jessica Daniel

CERTIFICATE OF ANALYSIS

29 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
2A-15g	QOP INAAGEO (Humus INAA)	2022-05-02 18:29:29
4Litho-Pegmatite Special	QOP WRA/ QOP WRA 4B2 (Major/Trace Elements Fusion ICPOES/ICPMS)	2022-03-31 15:47:50
7-Bioleach	Bioleach ICPMS	2022-04-03 16:40:50
7-ESE-Enzyme Selective Extraction	QOP Enzyme (Enzyme Selective Extraction ICPMS)	2022-04-03 16:40:42
8-Li (Sodium Peroxide Fusion)	QOP Sodium Peroxide (Sodium Peroxide Fusion)	2022-03-31 15:25:23

REPORT A22-03414

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Notes:

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

Footnote: INAA data may be suppressed due to high concentrations of some analytes.



LabID: 266

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CERTIFIED BY:

Emmanuel Esemé, Ph.D.  
 Quality Control Coordinator

Results

Activation Laboratories Ltd.

Report: A22-03414

Analyte Symbol	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc	Se	Sr	Ta	Th
Unit Symbol	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	1	2	1	100	1	0.5	1	1	0.5	0.05	0.5	0.5	5	0.5	100	10	20	0.1	0.1	2	100	0.5	0.5
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
167501																							
167502																							
167503																							
167504																							
167505																							
167506																							
167551																							
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167569																							
167570																							
167571																							
167572																							
167573																							
167576																							
167574	< 1	< 2	< 1	300	7	1.3	8	57	5.7	1.24	3.8	< 0.5	< 5	4.4	19500	< 10	20	0.1	7.3	< 2	< 100	< 0.5	2.5



Results

Activation Laboratories Ltd.

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Analyte Symbol	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Mass	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	%	%	%	%	%	%	%	%	%	%	%
Lower Limit	0.1	1	20	0.1	1	3	0.1	0.2	0.2	0.1	0.1		0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01	
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	GRAV
167501													57.87	16.12	12.88	0.088	3.86	1.95	2.45	2.69	0.692	0.16	1.54
167502													65.28	14.97	5.79	0.088	2.73	3.28	2.69	2.23	0.560	0.13	1.25
167503													63.52	15.73	7.22	0.089	2.95	2.70	3.38	2.70	0.652	0.11	1.49
167504													71.17	16.52	1.15	0.019	0.39	3.08	5.74	0.63	0.112	0.03	0.47
167505													66.12	14.88	5.91	0.082	2.59	2.09	3.30	2.36	0.558	0.13	2.17
167506													66.80	15.93	3.31	0.041	1.22	2.85	4.59	3.04	0.391	0.17	0.78
167551																							
167552																							
167553																							
167554																							
167556																							
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167569																							
167570																							
167571																							
167572																							
167573																							
167576																							
167574		3.5	< 1	< 20	16.1	19	8	2.8	0.7	< 0.2	0.5	0.2	15.4										

Results

Activation Laboratories Ltd.

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Analyte Symbol	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs
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	0.01	1	1	5	20	1	20	10	30	1	1	5	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
167501	100.3	20	1	153	200	16	50	60	90	22	2	< 5	96	287	14	116	8	< 2	< 0.5	< 0.2	1	< 0.5	7.0
167502	99.00	14	1	105	190	15	40	30	70	18	1	< 5	78	354	11	130	6	< 2	< 0.5	< 0.2	1	< 0.5	3.9
167503	100.6	17	1	128	200	13	40	40	80	18	1	< 5	93	360	9	147	7	< 2	< 0.5	< 0.2	1	< 0.5	4.6
167504	99.30	1	1	9	< 20	2	< 20	< 10	< 30	20	< 1	< 5	19	459	< 2	56	< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	1.4
167505	100.2	13	1	110	150	13	40	20	50	18	1	< 5	84	367	9	116	6	< 2	< 0.5	< 0.2	1	< 0.5	3.9
167506	99.11	5	2	48	20	7	< 20	10	60	21	< 1	< 5	88	761	4	115	5	< 2	< 0.5	< 0.2	< 1	< 0.5	4.1
167551																							
167552																							
167553																							
167554																							
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167572																							
167573																							
167576																							
167574																							

Results

Activation Laboratories Ltd.

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Analyte Symbol	Ba	Bi	Hf	Ta	W	Tl	Pb	Th	U	Al	Ca	Fe	K	Mg	Ag	As	Au	Ba	Be	Bi	Br	Cd	Ce
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	3	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.5	5	1	5	2	0.2	0.5	0.05	1	0.07	0.1	5	0.05	0.02
Method Code	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS
167501	615	< 0.4	3.5	0.5	< 1	0.5	16	7.6	1.8														
167502	532	< 0.4	3.6	0.5	9	0.3	15	7.3	1.5														
167503	588	< 0.4	4.0	0.5	< 1	0.5	18	9.2	2.2														
167504	472	< 0.4	1.9	< 0.1	< 1	0.1	14	0.5	0.3														
167505	562	< 0.4	3.1	0.5	< 1	0.4	40	7.6	1.9														
167506	1061	< 0.4	3.1	0.3	< 1	0.4	25	5.0	1.6														
167551										316	13	130	17	6	< 0.2	23.6	< 0.05	546	14.6	0.3	490	12.3	215
167552										127	535	180	8	211	< 0.2	87.1	0.05	1800	30.0	2.2	173	7.38	3680
167553										177	304	262	9	70	< 0.2	36.2	< 0.05	1630	11.8	0.7	81	12.7	887
167554										535	6	183	16	4	< 0.2	37.5	< 0.05	587	16.7	0.7	622	10.9	155
167556										211	634	384	14	87	< 0.2	144	0.47	1390	40.5	1.9	409	5.97	5370
167557										167	686	282	8	115	< 0.2	23.9	0.49	653	27.1	0.9	94	9.75	1400
167558										374	80	95	9	53	< 0.2	28.2	< 0.05	385	18.2	0.3	101	5.04	567
167559										459	8	188	8	5	0.2	8.7	0.13	472	8.69	0.2	366	1.82	124
167560										489	8	166	7	4	< 0.2	8.2	0.17	429	7.92	0.2	411	2.32	162
167561										400	8	359	20	7	< 0.2	52.2	0.08	660	4.81	0.7	374	8.00	102
167562										499	24	346	13	10	< 0.2	35.1	< 0.05	906	29.7	0.5	1020	3.49	809
167563										376	25	331	13	9	< 0.2	36.4	< 0.05	683	7.67	1.3	463	2.47	405
167564										665	27	245	13	13	< 0.2	23.5	< 0.05	523	14.9	0.4	457	4.35	442
167566										380	36	125	20	16	< 0.2	37.3	< 0.05	530	8.47	0.6	188	8.79	230
167567										487	13	179	16	8	0.3	36.3	< 0.05	444	15.5	0.6	527	9.16	433
167568										540	52	484	19	9	< 0.2	94.7	< 0.05	609	19.5	1.3	666	16.4	507
167569										581	26	352	17	13	< 0.2	31.7	0.08	775	11.0	5.1	231	2.92	203
167570										496	10	196	16	4	< 0.2	36.1	< 0.05	412	13.2	0.4	472	5.54	158
167571										525	24	314	15	12	0.3	43.6	< 0.05	659	13.9	0.7	746	11.9	581
167572										518	15	171	13	6	< 0.2	32.6	< 0.05	623	21.2	0.9	734	7.51	914
167573										133	68	78	15	8	< 0.2	13.5	0.31	335	13.4	0.6	210	0.57	1080
167576										205	89	287	38	31	0.4	28.6	< 0.05	1400	25.0	2.6	304	4.82	51.2
167574																							

Results

Activation Laboratories Ltd.

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Analyte Symbol	Co	Cr	Cs	Cu	Dy	Er	Eu	Ga	Gd	Ge	Hf	Hg	Ho	I	In	La	Li	Lu	Mn	Mo	Nb	Nd	Ni
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	0.1	2	0.01	0.5	0.01	0.01	0.01	0.1	0.03	0.05	0.04	0.05	0.01	1	0.1	0.01	0.2	0.01	0.1	2	0.2	0.03	0.2
Method Code	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS
167501																							
167502																							
167503																							
167504																							
167505																							
167506																							
167551	46.3	246	6.58	158	12.1	5.38	5.25	14.7	15.7	1.33	2.01	0.29	2.04	377	0.3	119	1.9	0.63	513	5	5.8	94.5	65.9
167552	22.2	285	23.8	484	146	66.2	49.7	12.5	213	0.78	13.8	0.35	24.9	10	0.4	1750	18.4	7.52	1740	6	8.5	1480	80.5
167553	111	186	12.7	330	40.6	16.6	15.1	21.8	62.7	2.03	3.92	0.11	6.69	7	0.8	415	22.8	1.71	6250	12	14.5	429	113
167554	29.2	350	8.80	102	10.6	4.97	4.20	55.8	12.1	1.77	2.24	0.58	1.96	303	0.3	78.9	3.6	0.54	688	8	12.1	64.1	42.9
167556	38.7	419	20.8	698	174	71.6	67.4	16.5	269	1.94	9.74	0.41	28.7	23	0.6	1990	6.2	7.42	6770	7	9.8	1910	132
167557	17.6	198	9.84	274	58.1	25.3	19.1	16.2	88.6	2.24	4.00	0.23	9.64	5	0.6	487	6.2	2.93	6570	6	10.1	542	45.3
167558	26.0	139	8.45	228	39.2	15.1	11.6	32.1	52.7	0.32	1.84	< 0.05	6.24	2	1.0	233	25.3	1.60	3270	13	11.5	280	62.4
167559	11.2	482	21.8	154	6.80	2.98	2.88	21.0	8.75	1.53	0.90	0.41	1.14	173	0.4	60.0	1.7	0.26	432	5	4.5	51.1	44.8
167560	10.6	524	18.4	174	7.74	2.80	2.89	15.2	9.78	1.40	0.92	0.47	1.25	217	0.3	76.9	0.8	0.30	183	6	3.6	66.5	38.0
167561	44.4	483	8.94	192	7.53	2.40	2.43	70.3	7.37	2.93	1.54	0.58	1.04	146	0.7	60.1	2.3	0.21	872	10	10.6	40.4	53.7
167562	68.1	421	6.86	433	37.8	16.1	12.2	104	52.7	2.02	1.85	0.48	6.62	249	0.5	395	3.9	1.28	279	10	12.8	319	227
167563	34.5	687	20.2	1320	28.8	11.9	7.21	60.7	35.1	2.86	2.31	0.35	4.92	166	0.6	212	0.7	1.02	308	9	24.1	189	149
167564	30.0	583	11.6	382	23.6	8.46	9.13	50.2	33.2	2.06	1.33	0.60	3.54	152	0.8	228	2.2	0.70	155	5	10.3	209	146
167566	31.7	206	2.94	205	14.8	6.07	4.68	40.2	17.0	1.14	0.84	0.53	2.36	64	0.5	127	< 0.2	0.56	965	13	7.8	104	128
167567	76.1	250	6.71	165	24.3	10.7	9.41	42.1	32.1	1.53	1.55	0.51	4.10	400	0.4	218	1.1	1.01	655	7	6.4	191	57.2
167568	70.3	514	4.95	466	31.4	13.9	10.6	80.1	38.8	3.63	2.95	1.13	5.59	367	0.6	250	0.6	1.25	1440	12	13.7	225	109
167569	25.9	463	19.8	236	14.5	6.16	5.14	87.4	16.2	2.60	1.69	0.54	2.38	49	0.5	113	0.3	0.51	632	11	18.3	82.5	61.1
167570	13.6	258	19.3	149	8.15	3.02	3.54	29.0	10.7	1.49	1.45	0.07	1.34	226	0.4	83.5	5.0	0.22	171	5	5.6	66.8	39.5
167571	45.4	548	5.25	444	25.9	9.76	9.92	37.3	37.5	2.84	1.82	0.73	4.19	419	0.7	304	5.3	0.83	700	9	10.1	252	130
167572	23.3	399	8.47	382	38.3	14.5	17.2	29.0	58.0	2.89	1.87	0.30	6.25	293	0.4	471	3.9	1.12	362	10	7.9	385	100.0
167573	115	173	29.7	197	62.7	22.0	21.7	10.7	106	0.70	3.17	0.12	9.59	71	0.2	528	13.6	1.73	3100	16	9.0	640	49.3
167576	58.8	623	88.2	160	4.60	2.50	1.27	51.2	4.42	3.50	1.31	0.60	0.86	73	0.4	28.8	18.1	0.25	3900	8	14.8	22.1	72.5
167574																							

Results

Activation Laboratories Ltd.

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Analyte Symbol	Pb	Pd	Pr	Pt	Rb	Re	Ru	Sb	Sc	Se	Sm	Sr	Ta	Tb	Te	Th	Tl	Tm	U	V	W	Y	Yb
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	0.1	0.5	0.01	0.5	0.1	0.01	0.05	0.2	0.5	1	0.03	0.1	0.01	0.01	1	0.02	0.2	0.01	0.01	1	0.01	0.01	0.02
Method Code	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS
167501																							
167502																							
167503																							
167504																							
167505																							
167506																							
167551	44.3	< 0.5	25.9	< 0.5	61.2	0.02	< 0.05	4.0	50.5	12	19.7	51.0	0.49	2.20	< 1	19.2	0.9	0.72	15.9	96	0.84	59.7	4.17
167552	144	< 0.5	410	< 0.5	54.9	0.02	< 0.05	4.1	269	< 1	271	287	0.56	27.2	< 1	276	2.7	8.52	98.3	2090	1.68	794	51.6
167553	123	< 0.5	112	< 0.5	25.7	< 0.01	< 0.05	2.6	114	3	82.1	267	1.12	8.04	< 1	115	3.1	1.98	30.7	670	2.21	191	11.7
167554	112	< 0.5	17.7	< 0.5	65.2	0.02	< 0.05	4.8	39.4	19	13.7	49.3	0.78	1.93	< 1	27.3	0.5	0.64	13.5	315	3.50	50.7	3.92
167556	124	< 0.5	518	< 0.5	82.8	0.04	0.14	3.6	267	< 1	359	244	0.68	33.6	< 1	260	1.5	9.12	159	1790	1.61	876	54.4
167557	38.5	< 0.5	144	< 0.5	25.5	0.03	0.22	3.2	115	1	108	201	0.64	11.4	< 1	86.6	1.3	3.27	61.8	1860	2.34	334	20.0
167558	30.7	< 0.5	73.4	< 0.5	15.9	0.03	0.06	1.9	169	< 1	64.1	107	0.92	7.51	< 1	60.0	0.4	1.99	28.8	1460	2.77	187	12.0
167559	26.9	< 0.5	14.3	< 0.5	66.0	0.01	0.17	1.9	38.9	7	11.2	39.3	0.37	1.37	< 1	18.2	1.0	0.37	18.1	77	0.68	31.3	2.36
167560	25.3	< 0.5	18.4	< 0.5	66.4	0.02	0.14	2.4	41.1	7	12.6	37.4	0.29	1.40	< 1	21.0	1.0	0.37	19.8	47	0.71	32.4	2.06
167561	129	< 0.5	10.9	< 0.5	107	0.03	< 0.05	2.9	36.5	14	9.25	46.3	0.90	1.25	< 1	32.1	1.0	0.38	17.8	275	0.64	28.4	1.74
167562	101	< 0.5	88.4	< 0.5	47.1	0.04	< 0.05	3.8	79.7	17	58.4	152	1.20	6.84	< 1	48.6	1.1	1.85	34.1	390	2.08	196	9.99
167563	171	< 0.5	49.5	< 0.5	79.2	0.02	< 0.05	2.9	48.6	14	38.4	106	2.37	5.01	< 1	72.0	2.1	1.39	36.1	221	1.53	130	7.09
167564	92.6	< 0.5	57.2	< 0.5	63.1	0.09	< 0.05	4.4	71.3	16	42.7	99.1	0.82	4.61	< 1	47.7	1.4	0.98	38.8	228	0.56	94.1	5.48
167566	287	< 0.5	27.6	< 0.5	28.2	0.07	0.06	4.3	41.8	8	21.2	107	0.66	2.61	< 1	42.7	0.4	0.80	33.6	103	1.07	69.0	4.62
167567	219	< 0.5	51.3	< 0.5	42.5	0.04	< 0.05	8.5	59.5	12	39.5	55.8	0.51	4.55	< 1	32.9	1.1	1.38	29.4	120	1.06	114	7.66
167568	2300	< 0.5	60.4	< 0.5	60.6	0.03	< 0.05	9.9	47.9	16	45.9	117	1.32	5.43	< 1	60.2	1.1	1.73	28.1	442	2.81	153	10.2
167569	457	< 0.5	22.8	< 0.5	74.8	0.02	< 0.05	2.9	33.7	9	18.1	126	1.39	2.58	< 1	39.0	0.6	0.66	29.6	1920	1.52	59.0	4.03
167570	70.5	< 0.5	18.5	< 0.5	71.9	< 0.01	0.08	6.3	25.4	18	14.3	46.0	0.48	1.68	< 1	24.6	0.9	0.32	17.6	109	0.46	31.1	2.01
167571	560	< 0.5	68.5	< 0.5	40.3	0.03	< 0.05	4.0	53.5	24	49.8	93.8	0.88	5.08	< 1	51.6	1.3	1.14	51.4	99	1.47	99.4	6.00
167572	135	< 0.5	106	< 0.5	57.0	0.03	0.16	5.2	55.5	20	75.2	68.8	0.61	7.68	< 1	33.1	2.0	1.70	44.2	118	1.60	153	9.19
167573	31.0	< 0.5	163	< 0.5	41.4	< 0.01	0.21	0.8	51.7	3	140	137	0.63	13.3	< 1	98.5	2.4	2.33	40.0	186	1.59	255	13.0
167576	79.3	< 0.5	5.94	< 0.5	162	< 0.01	< 0.05	3.3	28.6	12	5.03	292	1.28	0.80	< 1	22.8	1.9	0.31	18.6	438	1.61	22.6	1.78
167574																							

Results

Activation Laboratories Ltd.

Report: A22-03414

Analyte Symbol	Zn	Zr	Al	Ca	Fe	K	Mg	Na	Cl	Br	I	V	As	Se	Mo	Sb	Te	W	Re	Au	Hg	Th	U
Unit Symbol	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	2	0.5	0.5	5	1	5	2	5	2000	5	2	1	1	5	1	0.1	1	1	0.01	0.05	1	0.1	0.1
Method Code	Bioleac h-MS	Bioleac h-MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS
167501																							
167502																							
167503																							
167504																							
167505																							
167506																							
167551	200	49.0	19.3	9	3	7	3	6	3000	30	7	2	1	< 5	< 1	0.3	< 1	< 1	< 0.01	< 0.05	< 1	0.3	0.2
167552	302	395	1.4	167	2	< 5	76	15	2000	32	< 2	794	7	< 5	4	1.7	< 1	< 1	0.01	< 0.05	< 1	4.3	1.1
167553	589	74.8	3.2	87	3	6	18	8	6000	12	< 2	132	4	< 5	3	0.7	< 1	< 1	< 0.01	< 0.05	< 1	0.5	0.3
167554	395	60.9	35.8	5	3	14	3	20	9000	47	11	11	2	< 5	< 1	0.8	< 1	< 1	< 0.01	< 0.05	< 1	0.5	0.2
167556	211	247	3.3	166	6	11	12	22	7000	28	4	742	17	< 5	1	1.0	< 1	< 1	< 0.01	< 0.05	< 1	4.3	1.1
167557	162	93.8	2.6	181	3	< 5	14	13	4000	15	< 2	1100	3	< 5	3	1.5	< 1	< 1	< 0.01	< 0.05	< 1	1.5	0.3
167558	419	29.7	6.5	73	< 1	8	19	24	6000	19	< 2	884	6	< 5	5	1.1	< 1	< 1	< 0.01	< 0.05	< 1	0.3	0.1
167559	254	20.5	37.2	15	6	< 5	6	11	3000	22	6	14	< 1	< 5	< 1	0.6	< 1	< 1	< 0.01	< 0.05	< 1	0.3	0.1
167560	192	22.5	36.5	12	5	< 5	4	17	3000	28	6	5	< 1	< 5	< 1	0.6	< 1	< 1	< 0.01	< 0.05	< 1	0.3	0.2
167561	536	37.8	17.9	5	6	21	5	18	4000	31	7	18	4	< 5	< 1	0.8	< 1	< 1	< 0.01	< 0.05	< 1	0.4	0.2
167562	374	37.2	19.8	31	5	14	8	16	6000	140	35	52	3	< 5	< 1	1.3	< 1	< 1	< 0.01	< 0.05	< 1	0.7	0.4
167563	521	65.1	20.1	21	7	10	6	6	< 2000	25	4	15	2	< 5	< 1	0.9	< 1	< 1	< 0.01	< 0.05	< 1	0.4	0.4
167564	286	39.9	26.3	37	3	10	9	18	11000	31	4	20	2	< 5	< 1	1.2	< 1	< 1	< 0.01	< 0.05	< 1	0.3	0.5
167566	989	19.1	7.9	28	2	19	8	20	20000	21	4	20	6	< 5	1	2.5	< 1	< 1	< 0.01	< 0.05	< 1	0.3	1.0
167567	475	41.2	27.6	15	3	17	6	17	19000	45	20	10	3	< 5	< 1	2.3	< 1	< 1	< 0.01	< 0.05	< 1	0.4	0.7
167568	1850	82.1	19.0	52	6	16	7	31	22000	52	13	27	6	< 5	< 1	3.4	< 1	< 1	< 0.01	< 0.05	< 1	0.7	0.3
167569	499	41.7	15.9	22	8	14	9	19	12000	29	3	284	3	< 5	1	0.7	< 1	< 1	< 0.01	< 0.05	< 1	0.3	0.3
167570	492	35.6	42.0	10	6	14	3	14	6000	38	9	10	4	< 5	< 1	1.6	< 1	< 1	< 0.01	< 0.05	< 1	0.5	0.3
167571	595	45.7	26.8	27	6	13	10	20	17000	91	17	7	3	< 5	< 1	1.3	< 1	< 1	< 0.01	< 0.05	< 1	0.6	1.6
167572	317	45.9	30.8	15	4	11	4	8	6000	57	9	8	2	< 5	< 1	0.9	< 1	< 1	< 0.01	< 0.05	< 1	0.6	1.0
167573	89	92.1	7.1	43	1	< 5	4	< 5	< 2000	26	2	16	< 1	< 5	< 1	0.2	< 1	< 1	< 0.01	< 0.05	< 1	0.8	0.7
167576	752	29.3	9.2	38	4	27	12	< 5	< 2000	60	6	14	2	< 5	< 1	0.8	< 1	< 1	< 0.01	< 0.05	< 1	0.6	0.4
167574																							

Results

Activation Laboratories Ltd.

Report: A22-03414

Analyte Symbol	Co	Ni	Cu	Zn	Pb	Ga	Ge	Ag	Cd	In	Sn	Tl	Bi	Ti	Cr	Y	Zr	Nb	Hf	Ta	La	Ce	Pr
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	1	3	3	10	1	1	0.5	0.2	0.2	0.1	0.8	0.1	0.8	100	20	0.5	1	1	0.1	0.1	0.1	0.1	0.1
Method Code	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
167501																							
167502																							
167503																							
167504																							
167505																							
167506																							
167551	26	35	12	80	1	<1	<0.5	0.6	6.4	<0.1	<0.8	0.3	<0.8	<100	<20	1.2	1	<1	<0.1	<0.1	1.8	3.0	0.4
167552	<1	3	42	<10	<1	<1	<0.5	0.7	0.3	<0.1	<0.8	0.4	<0.8	100	<20	8.7	21	<1	0.6	<0.1	11.9	26.4	3.3
167553	21	18	12	50	<1	<1	<0.5	0.5	1.2	<0.1	<0.8	1.1	<0.8	600	<20	1.0	2	1	0.1	<0.1	1.0	2.4	0.4
167554	24	30	6	120	1	<1	<0.5	0.3	7.1	<0.1	<0.8	0.4	<0.8	100	<20	1.8	2	<1	<0.1	<0.1	1.6	3.7	0.5
167556	3	10	25	<10	<1	<1	0.7	0.5	<0.2	<0.1	<0.8	1.0	<0.8	200	30	9.1	17	<1	0.6	<0.1	15.2	42.5	4.5
167557	1	<3	13	<10	<1	<1	<0.5	0.3	0.3	<0.1	<0.8	0.9	<0.8	600	<20	2.6	6	2	0.2	<0.1	2.9	8.5	1.0
167558	7	14	7	50	<1	<1	<0.5	0.3	0.6	<0.1	<0.8	0.7	<0.8	1200	<20	0.9	1	2	<0.1	<0.1	1.1	2.6	0.3
167559	11	46	8	130	<1	<1	<0.5	0.3	0.9	<0.1	<0.8	0.7	<0.8	200	<20	0.8	<1	<1	<0.1	<0.1	1.1	2.5	0.3
167560	9	34	13	110	<1	<1	<0.5	0.3	0.9	<0.1	<0.8	0.6	<0.8	100	<20	0.8	<1	<1	<0.1	<0.1	1.5	3.1	0.4
167561	28	32	15	240	2	2	<0.5	<0.2	3.4	<0.1	<0.8	1.1	<0.8	300	<20	<0.5	1	<1	<0.1	<0.1	0.7	1.6	0.2
167562	36	81	14	130	<1	2	<0.5	<0.2	1.0	<0.1	<0.8	0.6	<0.8	700	<20	4.1	<1	<1	<0.1	<0.1	6.9	14.8	1.8
167563	21	72	101	260	1	1	<0.5	0.2	0.9	<0.1	<0.8	0.7	<0.8	300	<20	1.8	<1	<1	<0.1	<0.1	1.9	4.0	0.5
167564	13	59	15	90	<1	<1	<0.5	<0.2	0.9	<0.1	<0.8	1.1	<0.8	200	<20	1.0	<1	<1	<0.1	<0.1	1.8	3.6	0.5
167566	16	58	15	370	17	2	<0.5	<0.2	2.9	<0.1	<0.8	0.3	<0.8	300	<20	0.9	<1	<1	<0.1	<0.1	1.3	3.0	0.4
167567	59	38	13	230	10	<1	<0.5	<0.2	4.9	<0.1	<0.8	1.3	<0.8	200	<20	3.0	2	<1	<0.1	<0.1	4.3	8.7	1.0
167568	38	44	24	690	78	<1	<0.5	<0.2	4.9	<0.1	0.9	0.9	<0.8	200	<20	3.1	3	<1	<0.1	<0.1	3.5	7.7	1.0
167569	14	26	9	200	8	1	<0.5	<0.2	1.1	<0.1	<0.8	0.5	<0.8	300	<20	0.9	1	<1	<0.1	<0.1	1.4	2.9	0.4
167570	10	30	19	260	1	<1	<0.5	<0.2	2.6	<0.1	<0.8	0.7	<0.8	200	<20	1.0	2	<1	<0.1	<0.1	2.1	4.1	0.5
167571	26	58	23	270	13	<1	<0.5	<0.2	4.0	<0.1	<0.8	0.8	<0.8	200	<20	1.8	1	<1	<0.1	<0.1	4.0	8.1	1.1
167572	16	54	25	150	2	<1	<0.5	<0.2	3.7	<0.1	<0.8	0.9	<0.8	100	<20	3.8	2	<1	<0.1	<0.1	9.6	17.8	2.2
167573	49	21	23	220	<1	<1	<0.5	<0.2	0.4	<0.1	<0.8	0.7	<0.8	<100	<20	10.1	2	<1	<0.1	<0.1	15.2	30.1	4.9
167576	19	26	15	240	<1	<1	<0.5	<0.2	1.9	<0.1	<0.8	0.4	<0.8	300	<20	0.8	2	<1	<0.1	<0.1	0.5	1.2	0.2
167574																							

Results

Activation Laboratories Ltd.

Report: A22-03414

Analyte Symbol	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Li	Be	Sc	Mn	Rb	Sr	Cs	Ba	Ru	Pd	Pt	Li		
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	%	
Lower Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	100	1	1	1	0.1	1	1	1	1	1	0.01	
Method Code	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	FUS-Na2O2	
167501																								< 0.01	
167502																									< 0.01
167503																									< 0.01
167504																									< 0.01
167505																									< 0.01
167506																									< 0.01
167551	1.3	0.3	< 0.1	0.2	< 0.1	0.2	< 0.1	0.1	< 0.1	0.1	< 0.1	14	2	< 100	212	38	78	2.4	604	< 1	< 1	< 1	< 1		
167552	13.6	2.5	0.4	2.3	0.3	1.6	0.4	0.9	0.1	0.8	0.1	3	< 2	< 100	150	16	120	2.1	194	< 1	< 1	< 1	< 1		
167553	1.5	0.3	< 0.1	0.2	< 0.1	0.2	< 0.1	< 0.1	< 0.1	0.1	< 0.1	30	< 2	< 100	1030	19	121	3.8	449	< 1	< 1	< 1	< 1		
167554	1.7	0.4	0.1	0.3	< 0.1	0.4	< 0.1	0.2	< 0.1	0.2	< 0.1	12	3	< 100	419	60	93	3.1	474	< 1	< 1	< 1	< 1		
167556	17.6	3.2	0.7	2.6	0.3	1.8	0.3	0.9	0.1	0.8	0.1	6	< 2	< 100	543	71	131	6.5	419	< 1	< 1	< 1	< 1		
167557	4.0	0.7	0.2	0.6	< 0.1	0.4	< 0.1	0.2	< 0.1	0.2	< 0.1	11	< 2	< 100	316	21	127	3.9	291	< 1	< 1	< 1	< 1		
167558	1.4	0.3	< 0.1	0.3	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	38	< 2	< 100	497	19	163	4.3	359	< 1	< 1	< 1	< 1		
167559	1.2	0.3	< 0.1	0.2	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	15	< 2	< 100	285	69	137	10.8	719	< 1	< 1	< 1	< 1		
167560	1.6	0.3	< 0.1	0.2	< 0.1	0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	13	< 2	< 100	93	60	108	8.0	611	< 1	< 1	< 1	< 1		
167561	0.7	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	5	< 2	< 100	392	118	60	4.7	382	< 1	< 1	< 1	< 1		
167562	7.1	1.2	0.2	1.0	0.1	0.7	0.1	0.4	< 0.1	0.3	< 0.1	12	2	< 100	135	50	254	2.2	605	< 1	< 1	< 1	< 1		
167563	2.3	0.4	< 0.1	0.4	< 0.1	0.3	< 0.1	0.2	< 0.1	0.2	< 0.1	4	< 2	< 100	165	72	121	7.6	313	< 1	< 1	< 1	< 1		
167564	1.9	0.5	< 0.1	0.3	< 0.1	0.2	< 0.1	0.1	< 0.1	< 0.1	< 0.1	6	< 2	< 100	53	62	166	7.1	398	< 1	< 1	< 1	< 1		
167566	1.6	0.2	< 0.1	0.2	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	6	< 2	< 100	419	25	133	0.6	353	< 1	< 1	< 1	< 1		
167567	4.1	0.6	0.2	0.7	< 0.1	0.5	< 0.1	0.3	< 0.1	0.3	< 0.1	18	2	< 100	381	49	106	4.3	388	< 1	< 1	< 1	< 1		
167568	4.2	0.8	0.2	0.6	< 0.1	0.6	< 0.1	0.3	< 0.1	0.3	< 0.1	9	< 2	< 100	810	53	150	1.6	510	< 1	< 1	< 1	< 1		
167569	1.3	0.2	< 0.1	0.3	< 0.1	0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	2	< 2	< 100	339	59	148	5.4	340	< 1	< 1	< 1	< 1		
167570	1.8	0.4	0.1	0.3	< 0.1	0.2	< 0.1	< 0.1	< 0.1	0.1	< 0.1	17	2	< 100	94	72	107	10.8	431	< 1	< 1	< 1	< 1		
167571	4.1	0.8	0.2	0.5	< 0.1	0.4	< 0.1	0.2	< 0.1	0.2	< 0.1	24	< 2	< 100	387	40	140	3.0	464	< 1	< 1	< 1	< 1		
167572	8.1	1.5	0.3	1.1	0.1	0.8	0.1	0.4	< 0.1	0.3	< 0.1	39	4	< 100	235	59	105	4.1	465	< 1	< 1	< 1	< 1		
167573	19.9	4.1	0.6	3.4	0.4	2.0	0.3	0.9	0.1	0.6	< 0.1	8	< 2	< 100	1140	16	151	8.1	430	< 1	< 1	< 1	< 1		
167576	0.7	0.1	< 0.1	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	33	4	< 100	982	78	203	7.8	457	< 1	< 1	< 1	< 1		
167574																									



Results

Activation Laboratories Ltd.

Report: A22-03414

Analyte Symbol	Li2O
Unit Symbol	%
Lower Limit	0.01
Method Code	FUS- Na2O2
167501	0.01
167502	< 0.01
167503	0.01
167504	< 0.01
167505	0.01
167506	0.01
167551	
167552	
167553	
167554	
167556	
167557	
167558	
167559	
167560	
167561	
167562	
167563	
167564	
167566	
167567	
167568	
167569	
167570	
167571	
167572	
167573	
167576	
167574	

QC

Activation Laboratories Ltd.

Report: A22-03414

Analyte Symbol	Au	Br	Ca	Co	Fe	Na	Sb	Sc	Zn	La	Ce	Sm	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	Total
Unit Symbol	ppb	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%	%	%	%
Lower Limit	1	1	0.5	1	0.05	100	0.1	0.1	20	0.1	1	0.1	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01	0.01
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP
DNC-1 Meas													47.46	18.34	9.96	0.150	10.06	11.56	1.89	0.21	0.480	0.06	
DNC-1 Cert													47.15	18.34	9.97	0.150	10.13	11.49	1.890	0.234	0.480	0.070	
TILL-2 Meas																							
TILL-2 Cert																							
TILL-2 Meas																							
TILL-2 Cert																							
TILL-2 Meas																							
TILL-2 Cert																							
TILL-2 Meas																							
TILL-2 Cert																							
SY-4 Meas													49.72	20.91	6.31	0.110	0.50	8.12	6.98	1.66	0.290	0.13	
SY-4 Cert													49.9	20.69	6.21	0.108	0.54	8.05	7.10	1.66	0.287	0.131	
BIR-1a Meas													48.25	15.42	11.40	0.170	9.75	13.57	1.85	0.01	0.960	0.02	
BIR-1a Cert													47.96	15.50	11.30	0.175	9.700	13.30	1.82	0.030	0.96	0.021	
ZW-C Meas																							
ZW-C Cert																							
OREAS 101b (Fusion) Meas																							
OREAS 101b (Fusion) Cert																							
NCS DC86318 Meas																							
NCS DC86318 Cert																							
NCS DC86304 Meas																							
NCS DC86304 Cert																							
NCS DC86314 Meas																							
NCS DC86314 Cert																							
BCR-2 Meas													53.91	13.52	14.00	0.200	3.56	7.18	3.19	1.80	2.330	0.35	
BCR-2 Cert													54.1	13.5	13.8	0.196	3.59	7.12	3.16	1.79	2.26	0.35	
USZ 42-2006 Meas																							
USZ 42-2006 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																							

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Analyte Symbol	Au	Br	Ca	Co	Fe	Na	Sb	Sc	Zn	La	Ce	Sm	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	Total
Unit Symbol	ppb	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%	%	%	%
Lower Limit	1	1	0.5	1	0.05	100	0.1	0.1	20	0.1	1	0.1	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01	0.01
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP
100 lot#220610B Meas																							
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							
REE-1 Meas																							
REE-1 Cert																							
L-STD-9 Meas	21	6	3.8	< 1	0.11	400	0.1	0.3	30	0.9	2	0.1											
L-STD-9 Cert	20.0	5.60	3.67	0.600	0.110	365	0.160	0.240	32.0	0.800	1.41	0.130											
W-2b Meas													51.67	14.96	10.83	0.170	6.29	11.05	2.19	0.60	1.060	0.13	
W-2b Cert													52.4	15.4	10.7	0.163	6.37	10.9	2.14	0.626	1.06	0.140	
OREAS 148 (Peroxide Fusion) Meas																							
OREAS 148 (Peroxide Fusion) Cert																							
167501 Orig																							
167501 Dup																							
167506 Orig													66.62	15.60	3.27	0.040	1.19	2.82	4.53	2.98	0.386	0.16	98.38
167506 Dup													66.97	16.25	3.36	0.041	1.24	2.88	4.65	3.09	0.397	0.18	99.85
167561 Orig																							
167561 Dup																							
167562 Orig																							
167562 Dup																							
167567 Orig																							
167567 Dup																							
167573 Orig																							
167573 Dup																							
Method Blank													< 0.01	< 0.01	0.01	0.003	< 0.01	0.01	< 0.01	< 0.01	< 0.001	< 0.01	
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba
Unit Symbol	ppm	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	1	5	20	1	20	10	30	1	1	5	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	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
DNC-1 Meas	31		153										142	15	34								107
DNC-1 Cert	31		148										144.0	18.0	38								118
TILL-2 Meas																							
TILL-2 Cert																							
TILL-2 Meas																							
TILL-2 Cert																							
TILL-2 Meas																							
TILL-2 Cert																							
TILL-2 Meas																							
TILL-2 Cert																							
SY-4 Meas	1	3	5			1		90	34			53	1206	116	538	14						1.5	346
SY-4 Cert	1.1	2.6	8.0		2.8			93	35			55.0	1191	119	517	13						1.5	340
BIR-1a Meas	44	< 1	340	400	54	180	130	60	15				111	13	14								8
BIR-1a Cert	44	0.58	310	370	52	170	125	70	16				110	16	18								6
ZW-C Meas				60				1060	93			8400				210				1330	4.5	266	
ZW-C Cert				56.0				1050	99			8500				198				1300	4.2	260	
OREAS 101b (Fusion) Meas					45	< 20	430										19						
OREAS 101b (Fusion) Cert					47	9	420										21						
NCS DC86318 Meas												385											11.4
NCS DC86318 Cert												369.42											11.88
NCS DC86304 Meas																							
NCS DC86304 Cert																							
NCS DC86314 Meas																							
NCS DC86314 Cert																							
BCR-2 Meas	33		437										334	31	164								699
BCR-2 Cert	33		416										346	37	188								683
USZ 42-2006 Meas					3	< 20	20	470								39	36						
USZ 42-2006 Cert					7.89	13.18	27.37	469								31.00	34.40						
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																							

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Analyte Symbol	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba
Unit Symbol	ppm	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	1	5	20	1	20	10	30	1	1	5	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	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
Meas																							
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							
REE-1 Meas				280	1		80				128	1040								500		1.1	
REE-1 Cert				277	1.58		79.7				124	1050								498		1.07	
L-STD-9 Meas																							
L-STD-9 Cert																							
W-2b Meas	35	< 1	275	90	45	80	110	80	18	2		20	192	19	82	8	< 2						175
W-2b Cert	36.0	1.30	262	92.0	43.0	70.0	110	80.0	17.0	1.00		21.0	190	24.0	94.0	7.90	0.600						182
OREAS 148 (Peroxide Fusion) Meas																							
OREAS 148 (Peroxide Fusion) Cert																							
167501 Orig																							
167501 Dup																							
167506 Orig	4	2	47	20	7	< 20	10	60	21	< 1	< 5	86	746	4	114	5	< 2	< 0.5	< 0.2	< 1	< 0.5	4.1	1045
167506 Dup	5	2	48	20	7	< 20	10	60	21	< 1	< 5	89	776	5	115	5	< 2	< 0.5	< 0.2	< 1	< 0.5	4.2	1078
167561 Orig																							
167561 Dup																							
167562 Orig																							
167562 Dup																							
167567 Orig																							
167567 Dup																							
167573 Orig																							
167573 Dup																							
Method Blank	< 1	< 1	< 5	< 20	< 1	< 20	< 10	< 30	< 1	< 1	< 5	< 2	< 2	< 2	< 4	< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	< 3
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Bi	Hf	Ta	W	Ti	Pb	Th	U	Al	Ca	Fe	K	Mg	Ag	As	Au	Ba	Be	Bi	Br	Cd	Ce	Co
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.5	5	1	5	2	0.2	0.5	0.05	1	0.07	0.1	5	0.05	0.02	0.1
Method Code	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS
DNC-1 Meas																							
DNC-1 Cert																							
TILL-2 Meas											238				466	< 0.05	2240	90.0		3290		1400	45.6
TILL-2 Cert											38400.00				26000	2	540000	4000.0		12200.0		98000	15000
TILL-2 Meas											250				488	0.19	2250	89.4		3460		1420	46.5
TILL-2 Cert											38400.00				26000	2	540000	4000.0		12200.0		98000	15000
TILL-2 Meas											177				330	0.08	1760	73.2		2510		1240	54.4
TILL-2 Cert											38400.00				26000	2	540000	4000.0		12200.0		98000	15000
TILL-2 Meas											178				318	0.05	1670	65.2		2160		1190	49.6
TILL-2 Cert											38400.00				26000	2	540000	4000.0		12200.0		98000	15000
SY-4 Meas			10.7	0.9			10	1.2	0.8														
SY-4 Cert			10.6	0.9			10	1.4	0.8														
BIR-1a Meas			0.6				< 5																
BIR-1a Cert			0.60				3																
ZW-C Meas			83.4	328	34.0			18.8															
ZW-C Cert			82	320	34			20.0															
OREAS 101b (Fusion) Meas							36.3	394															
OREAS 101b (Fusion) Cert							37.1	396															
NCS DC86318 Meas							69.1																
NCS DC86318 Cert							67.0																
NCS DC86304 Meas																							
NCS DC86304 Cert																							
NCS DC86314 Meas																							
NCS DC86314 Cert																							
BCR-2 Meas																							
BCR-2 Cert																							
USZ 42-2006 Meas							1650	972															
USZ 42-2006 Cert							1600	946															
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							

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Analyte Symbol	Bi	Hf	Ta	W	Tl	Pb	Th	U	Al	Ca	Fe	K	Mg	Ag	As	Au	Ba	Be	Bi	Br	Cd	Ce	Co
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	0.4	0.2	0.1	1	0.1	5	0.1	0.1	0.5	5	1	5	2	0.2	0.5	0.05	1	0.07	0.1	5	0.05	0.02	0.1
Method Code	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							
REE-1 Meas			492				791	146															
REE-1 Cert			479				719	137															
L-STD-9 Meas																							
L-STD-9 Cert																							
W-2b Meas	< 0.4	2.4	0.5	7	< 0.1			0.5															
W-2b Cert	0.0300	2.60	0.500	0.300	0.200			0.530															
OREAS 148 (Peroxide Fusion) Meas																							
OREAS 148 (Peroxide Fusion) Cert																							
167501 Orig																							
167501 Dup																							
167506 Orig	< 0.4	3.1	0.3	< 1	0.4	24	5.0	1.6															
167506 Dup	< 0.4	3.1	0.3	< 1	0.5	26	5.0	1.7															
167561 Orig																							
167561 Dup																							
167562 Orig									475	22	325	13	11	< 0.2	33.7	< 0.05	825	28.8	0.4	1020	3.29	753	65.8
167562 Dup									523	25	367	13	10	< 0.2	36.5	< 0.05	986	30.5	0.6	1010	3.69	864	70.4
167567 Orig									484	12	174	16	8	0.2	35.5	< 0.05	427	15.5	0.5	527	9.03	425	75.9
167567 Dup									490	14	185	16	8	0.3	37.2	< 0.05	461	15.5	0.6	527	9.29	442	76.4
167573 Orig																							
167573 Dup																							
Method Blank	< 0.4	< 0.2	< 0.1	< 1	< 0.1	< 5	< 0.1	< 0.1															
Method Blank									< 0.5	< 5	< 1	< 5	< 2	< 0.2	< 0.5	< 0.05	10	< 0.07	< 0.1	16	0.09	0.09	< 0.1
Method Blank																							
Method Blank																							
Method Blank									< 0.5	< 5	< 1	< 5	< 2	< 0.2	< 0.5	< 0.05	5	< 0.07	< 0.1		< 0.05	< 0.02	< 0.1
Method Blank																					66		
Method Blank																					55		

Analyte Symbol	Cr	Cs	Cu	Dy	Er	Eu	Ga	Gd	Ge	Hf	Hg	Ho	I	In	La	Li	Lu	Mn	Mo	Nb	Nd	Ni	Pb
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	2	0.01	0.5	0.01	0.01	0.01	0.1	0.03	0.05	0.04	0.05	0.01	1	0.1	0.01	0.2	0.01	0.1	2	0.2	0.03	0.2	0.1
Method Code	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS
DNC-1 Meas																							
DNC-1 Cert																							
TILL-2 Meas	333	9.55	3330		62.1	35.2				11.6	0.97				694	6.8	6.56	14500	82	16.3	676	56.6	247
TILL-2 Cert	74000	12000	150000		3700.0	1000.0				11000	70.0				44000	47000	600.0	780000	14000	20000	36000	32000	31000
TILL-2 Meas	357	10.0	3550		62.8	35.5				12.3	1.98				708	7.6	6.75	15400	86	17.4	690	62.5	250
TILL-2 Cert	74000	12000	150000		3700.0	1000.0				11000	70.0				44000	47000	600.0	780000	14000	20000	36000	32000	31000
TILL-2 Meas	241	9.64	2920		55.3	30.9				9.90	0.46				567	7.2	6.05	18200	79	14.1	597	55.8	286
TILL-2 Cert	74000	12000	150000		3700.0	1000.0				11000	70.0				44000	47000	600.0	780000	14000	20000	36000	32000	31000
TILL-2 Meas	225	9.56	2710		50.4	28.1				8.25	0.66				551	6.4	5.12	15700	68	13.8	569	46.9	275
TILL-2 Cert	74000	12000	150000		3700.0	1000.0				11000	70.0				44000	47000	600.0	780000	14000	20000	36000	32000	31000
SY-4 Meas																							
SY-4 Cert																							
BIR-1a Meas																							
BIR-1a Cert																							
ZW-C Meas																							
ZW-C Cert																							
OREAS 101b (Fusion) Meas																							
OREAS 101b (Fusion) Cert																							
NCS DC86318 Meas																							
NCS DC86318 Cert																							
NCS DC86304 Meas																							
NCS DC86304 Cert																							
NCS DC86314 Meas																							
NCS DC86314 Cert																							
BCR-2 Meas																							
BCR-2 Cert																							
USZ 42-2006 Meas																							
USZ 42-2006 Cert																							
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							



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Analyte Symbol	Cr	Cs	Cu	Dy	Er	Eu	Ga	Gd	Ge	Hf	Hg	Ho	I	In	La	Li	Lu	Mn	Mo	Nb	Nd	Ni	Pb
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	2	0.01	0.5	0.01	0.01	0.01	0.1	0.03	0.05	0.04	0.05	0.01	1	0.1	0.01	0.2	0.01	0.1	2	0.2	0.03	0.2	0.1
Method Code	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							
REE-1 Meas																							
REE-1 Cert																							
L-STD-9 Meas																							
L-STD-9 Cert																							
W-2b Meas																							
W-2b Cert																							
OREAS 148 (Peroxide Fusion) Meas																							
OREAS 148 (Peroxide Fusion) Cert																							
167501 Orig																							
167501 Dup																							
167506 Orig																							
167506 Dup																							
167561 Orig																							
167561 Dup																							
167562 Orig	388	6.28	409	34.9	15.3	11.4	97.6	49.8	1.58	1.63	0.68	6.14	228	0.5	369	4.3	1.21	283	9	11.9	299	217	93.2
167562 Dup	455	7.44	457	40.7	16.9	13.0	110	55.6	2.47	2.06	0.29	7.09	271	0.5	421	3.6	1.36	275	10	13.8	340	238	110
167567 Orig	243	6.82	157	23.9	10.5	9.35	40.6	31.6	1.48	1.52	0.42	4.08	397	0.4	214	1.2	0.98	658	7	6.3	188	57.2	215
167567 Dup	257	6.59	172	24.7	10.9	9.48	43.6	32.6	1.57	1.59	0.60	4.12	402	0.4	222	1.0	1.03	652	7	6.5	195	57.2	222
167573 Orig																							
167573 Dup																							
Method Blank																							
Method Blank	< 2	0.03	2.0	< 0.01	< 0.01	< 0.01	< 0.1	< 0.03	< 0.05	0.16	0.06	< 0.01	< 1	< 0.1	0.05	< 0.2	< 0.01	< 0.1	< 2	< 0.2	0.04	< 0.2	< 0.1
Method Blank																							
Method Blank																							
Method Blank	< 2	< 0.01	1.0	< 0.01	< 0.01	< 0.01	< 0.1	< 0.03	< 0.05	< 0.04	< 0.05	< 0.01	3	< 0.1	< 0.01	< 0.2	< 0.01	< 0.1	< 2	< 0.2	< 0.03	0.8	0.4
Method Blank																							
Method Blank																							

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Activation Laboratories Ltd.

Report: A22-03414

Analyte Symbol	Pd	Pr	Pt	Rb	Re	Ru	Sb	Sc	Se	Sm	Sr	Ta	Tb	Te	Th	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	0.5	0.01	0.5	0.1	0.01	0.05	0.2	0.5	1	0.03	0.1	0.01	0.01	1	0.02	0.2	0.01	0.01	1	0.01	0.02	0.02	2
Method Code	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS
DNC-1 Meas																							
DNC-1 Cert																							
TILL-2 Meas				173			2.8	157		160	449	1.15	24.4		220		180	186	51.3	630	50.0	472	
TILL-2 Cert				143000			800.0	12000		7400.0	144000	1900.0	1200.0		18400.0		5700.0	77000	5000	40000	3700.0	130000	
TILL-2 Meas				175			3.4	164		161	465	1.16	24.9		226		185	194	50.9	657	51.0	468	
TILL-2 Cert				143000			800.0	12000		7400.0	144000	1900.0	1200.0		18400.0		5700.0	77000	5000	40000	3700.0	130000	
TILL-2 Meas				191			3.7	128		146	380	0.79	21.6		202		182	148	35.9	592	45.3	479	
TILL-2 Cert				143000			800.0	12000		7400.0	144000	1900.0	1200.0		18400.0		5700.0	77000	5000	40000	3700.0	130000	
TILL-2 Meas				180			2.6	121		135	362	0.76	19.8		184		157	143	33.1	542	39.8	526	
TILL-2 Cert				143000			800.0	12000		7400.0	144000	1900.0	1200.0		18400.0		5700.0	77000	5000	40000	3700.0	130000	
SY-4 Meas																							
SY-4 Cert																							
BIR-1a Meas																							
BIR-1a Cert																							
ZW-C Meas																							
ZW-C Cert																							
OREAS 101b (Fusion) Meas																							
OREAS 101b (Fusion) Cert																							
NCS DC86318 Meas																							
NCS DC86318 Cert																							
NCS DC86304 Meas																							
NCS DC86304 Cert																							
NCS DC86314 Meas																							
NCS DC86314 Cert																							
BCR-2 Meas																							
BCR-2 Cert																							
USZ 42-2006 Meas																							
USZ 42-2006 Cert																							
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							

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Activation Laboratories Ltd.

Report: A22-03414

Analyte Symbol	Pd	Pr	Pt	Rb	Re	Ru	Sb	Sc	Se	Sm	Sr	Ta	Tb	Te	Th	Ti	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	0.5	0.01	0.5	0.1	0.01	0.05	0.2	0.5	1	0.03	0.1	0.01	0.01	1	0.02	0.2	0.01	0.01	1	0.01	0.02	0.02	2
Method Code	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							
REE-1 Meas																							
REE-1 Cert																							
L-STD-9 Meas																							
L-STD-9 Cert																							
W-2b Meas																							
W-2b Cert																							
OREAS 148 (Peroxide Fusion) Meas																							
OREAS 148 (Peroxide Fusion) Cert																							
167501 Orig																							
167501 Dup																							
167506 Orig																							
167506 Dup																							
167561 Orig																							
167561 Dup																							
167562 Orig	< 0.5	83.3	< 0.5	46.4	0.04	< 0.05	3.6	75.5	14	55.4	144	1.06	6.44	< 1	44.4	1.0	1.75	31.8	365	1.90	189	9.28	360
167562 Dup	< 0.5	93.4	< 0.5	47.8	0.03	< 0.05	4.0	83.8	21	61.3	159	1.35	7.24	< 1	52.8	1.1	1.95	36.3	416	2.26	204	10.7	387
167567 Orig	< 0.5	50.3	< 0.5	42.9	0.05	< 0.05	8.6	60.8	13	39.0	53.7	0.47	4.54	< 1	33.1	1.1	1.41	29.2	116	0.81	113	7.39	455
167567 Dup	< 0.5	52.3	< 0.5	42.2	0.04	< 0.05	8.4	58.3	12	40.1	57.8	0.55	4.56	< 1	32.7	1.1	1.35	29.6	124	1.31	115	7.92	494
167573 Orig																							
167573 Dup																							
Method Blank																							
Method Blank	< 0.5	0.02	1.9	< 0.1	< 0.01	< 0.05	0.3	< 0.5	< 1	< 0.03	1.0	< 0.01	< 0.01	< 1	< 0.02	< 0.2	< 0.01	0.01	< 1	0.10	0.07	< 0.02	
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	< 0.5	< 0.01	< 0.5	< 0.1	< 0.01	< 0.05	0.6	< 0.5	< 1	< 0.03	0.3	< 0.01	< 0.01	< 1	< 0.02	< 0.2	< 0.01	< 0.01	< 1	< 0.01	< 0.02	< 0.02	
Method Blank																							< 2
Method Blank																							< 2

Analyte Symbol	Zr	Al	Ca	Fe	K	Mg	Na	Cl	Br	I	V	As	Se	Mo	Sb	Te	W	Re	Au	Hg	Th	U	Co
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	0.5	0.5	5	1	5	2	5	2000	5	2	1	1	5	1	0.1	1	1	0.01	0.05	1	0.1	0.1	1
Method Code	Bioleac h-MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS
DNC-1 Meas																							
DNC-1 Cert																							
TILL-2 Meas	265			2					963		38	9		10	1.5		1	< 0.05	< 1		3.9	8.2	19
TILL-2 Cert	390000			38400.00					12200.0		77000	26000		14000	800.0		5000	2	70.0		18400.0	5700.0	15000
TILL-2 Meas	281			2					1000		38	9		10	1.3		1	< 0.05	< 1		3.9	8.3	19
TILL-2 Cert	390000			38400.00					12200.0		77000	26000		14000	800.0		5000	2	70.0		18400.0	5700.0	15000
TILL-2 Meas	237			2					822		34	10		10	1.2		1	< 0.05	< 1		3.8	8.0	19
TILL-2 Cert	390000			38400.00					12200.0		77000	26000		14000	800.0		5000	2	70.0		18400.0	5700.0	15000
TILL-2 Meas	214			2					999		42	10		12	1.4		2	< 0.05	< 1		4.5	9.0	22
TILL-2 Cert	390000			38400.00					12200.0		77000	26000		14000	800.0		5000	2	70.0		18400.0	5700.0	15000
SY-4 Meas																							
SY-4 Cert																							
BIR-1a Meas																							
BIR-1a Cert																							
ZW-C Meas																							
ZW-C Cert																							
OREAS 101b (Fusion) Meas																							
OREAS 101b (Fusion) Cert																							
NCS DC86318 Meas																							
NCS DC86318 Cert																							
NCS DC86304 Meas																							
NCS DC86304 Cert																							
NCS DC86314 Meas																							
NCS DC86314 Cert																							
BCR-2 Meas																							
BCR-2 Cert																							
USZ 42-2006 Meas																							
USZ 42-2006 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																							

Analyte Symbol	Zr	Al	Ca	Fe	K	Mg	Na	Cl	Br	I	V	As	Se	Mo	Sb	Te	W	Re	Au	Hg	Th	U	Co
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	0.5	0.5	5	1	5	2	5	2000	5	2	1	1	5	1	0.1	1	1	0.01	0.05	1	0.1	0.1	1
Method Code	Bioleac h-MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS	ENZ- MS
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							
REE-1 Meas																							
REE-1 Cert																							
L-STD-9 Meas																							
L-STD-9 Cert																							
W-2b Meas																							
W-2b Cert																							
OREAS 148 (Peroxide Fusion) Meas																							
OREAS 148 (Peroxide Fusion) Cert																							
167501 Orig																							
167501 Dup																							
167506 Orig																							
167506 Dup																							
167561 Orig		18.5	5	6	21	5	18	3000	39	7	18	4	< 5	< 1	0.7	< 1	< 1	< 0.01	< 0.05	< 1	0.4	0.2	27
167561 Dup		17.2	5	6	22	5	17	5000	24	6	18	4	< 5	< 1	0.8	< 1	< 1	< 0.01	< 0.05	< 1	0.3	0.2	29
167562 Orig	34.1	19.5	29	4	13	7	15	7000	135	33	50	3	< 5	< 1	1.2	< 1	< 1	< 0.01	< 0.05	< 1	0.6	0.4	35
167562 Dup	40.3	20.0	32	5	15	8	17	6000	144	37	55	4	< 5	1	1.4	< 1	< 1	< 0.01	< 0.05	< 1	0.7	0.5	36
167567 Orig	40.8																						
167567 Dup	41.7																						
167573 Orig		7.2	44	1	< 5	4	< 5	< 2000	29	2	16	< 1	< 5	< 1	0.2	< 1	< 1	< 0.01	< 0.05	< 1	0.8	0.7	51
167573 Dup		6.9	42	1	< 5	4	< 5	< 2000	23	2	16	< 1	< 5	< 1	0.2	< 1	< 1	< 0.01	< 0.05	< 1	0.8	0.7	47
Method Blank																							
Method Blank	4.8																						
Method Blank		< 0.5	< 5	< 1	< 5	< 2	< 5	4000	13	< 2	< 1	< 1	< 5	< 1	0.2	< 1	< 1	< 0.01	< 0.05	< 1	< 0.1	< 0.1	< 1
Method Blank																							
Method Blank		< 0.5	< 5	< 1	< 5	< 2	< 5	7000	13	< 2	< 1	< 1	< 5	< 1	0.2	< 1	< 1	< 0.01	< 0.05	< 1	< 0.1	< 0.1	< 1
Method Blank	< 0.5																						
Method Blank																							
Method Blank																							

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Activation Laboratories Ltd.

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Analyte Symbol	Ni	Cu	Zn	Pb	Ga	Ge	Ag	Cd	In	Sn	Tl	Bi	Tl	Cr	Y	Zr	Nb	Hf	Ta	La	Ce	Pr	Nd
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	3	3	10	1	1	0.5	0.2	0.2	0.1	0.8	0.1	0.8	100	20	0.5	1	1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
DNC-1 Meas																							
DNC-1 Cert																							
TILL-2 Meas	11	160	70	3									400	< 20	28.3	19	1	0.9	< 0.1	24.5	54.5		30.1
TILL-2 Cert	32000	150000	130000	31000									5300000	74000	40000	390000	20000	11000	1900.0	44000	98000		36000
TILL-2 Meas	11	162	70	3									400	< 20	28.4	20	1	0.8	< 0.1	24.1	54.2		30.0
TILL-2 Cert	32000	150000	130000	31000									5300000	74000	40000	390000	20000	11000	1900.0	44000	98000		36000
TILL-2 Meas	12	158	80	3									400	< 20	31.2	21	1	0.8	< 0.1	24.6	54.1		31.0
TILL-2 Cert	32000	150000	130000	31000									5300000	74000	40000	390000	20000	11000	1900.0	44000	98000		36000
TILL-2 Meas	14	173	80	4									500	< 20	36.1	24	2	1.0	< 0.1	28.0	62.5		35.6
TILL-2 Cert	32000	150000	130000	31000									5300000	74000	40000	390000	20000	11000	1900.0	44000	98000		36000
SY-4 Meas																							
SY-4 Cert																							
BIR-1a Meas																							
BIR-1a Cert																							
ZW-C Meas																							
ZW-C Cert																							
OREAS 101b (Fusion) Meas																							
OREAS 101b (Fusion) Cert																							
NCS DC86318 Meas																							
NCS DC86318 Cert																							
NCS DC86304 Meas																							
NCS DC86304 Cert																							
NCS DC86314 Meas																							
NCS DC86314 Cert																							
BCR-2 Meas																							
BCR-2 Cert																							
USZ 42-2006 Meas																							
USZ 42-2006 Cert																							
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							

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Activation Laboratories Ltd.

Report: A22-03414

Analyte Symbol	Ni	Cu	Zn	Pb	Ga	Ge	Ag	Cd	In	Sn	Tl	Bi	Ti	Cr	Y	Zr	Nb	Hf	Ta	La	Ce	Pr	Nd
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	3	3	10	1	1	0.5	0.2	0.2	0.1	0.8	0.1	0.8	100	20	0.5	1	1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							
REE-1 Meas																							
REE-1 Cert																							
L-STD-9 Meas																							
L-STD-9 Cert																							
W-2b Meas																							
W-2b Cert																							
OREAS 148 (Peroxide Fusion) Meas																							
OREAS 148 (Peroxide Fusion) Cert																							
167501 Orig																							
167501 Dup																							
167506 Orig																							
167506 Dup																							
167561 Orig	32	12	230	2	2	< 0.5	< 0.2	3.4	< 0.1	< 0.8	1.1	< 0.8	300	< 20	0.5	1	< 1	< 0.1	< 0.1	0.8	1.7	0.2	0.8
167561 Dup	32	18	250	2	2	< 0.5	< 0.2	3.5	< 0.1	< 0.8	1.2	< 0.8	300	< 20	< 0.5	1	< 1	< 0.1	< 0.1	0.7	1.4	0.2	0.6
167562 Orig	81	13	120	< 1	2	< 0.5	< 0.2	1.1	< 0.1	< 0.8	0.6	< 0.8	700	< 20	3.9	3	< 1	0.1	< 0.1	6.8	14.6	1.8	7.0
167562 Dup	82	15	140	< 1	2	< 0.5	< 0.2	0.9	< 0.1	< 0.8	0.6	< 0.8	700	< 20	4.2	< 1	< 1	< 0.1	< 0.1	7.1	14.9	1.8	7.2
167567 Orig																							
167567 Dup																							
167573 Orig	21	26	380	3	< 1	< 0.5	< 0.2	0.6	< 0.1	< 0.8	0.7	< 0.8	< 100	< 20	10.2	2	< 1	< 0.1	< 0.1	15.2	30.2	4.8	20.5
167573 Dup	21	19	50	< 1	< 1	< 0.5	< 0.2	0.2	< 0.1	< 0.8	0.7	< 0.8	< 100	< 20	10.1	2	< 1	0.1	< 0.1	15.3	30.0	4.9	19.4
Method Blank																							
Method Blank																							
Method Blank	< 3	< 3	20	2	< 1	< 0.5	0.8	< 0.2	< 0.1	< 0.8	< 0.1	< 0.8	< 100	< 20	< 0.5	1	< 1	< 0.1	< 0.1	< 0.1	0.4	< 0.1	0.2
Method Blank																							
Method Blank	< 3	< 3	20	1	< 1	< 0.5	< 0.2	< 0.2	< 0.1	< 0.8	< 0.1	< 0.8	< 100	< 20	< 0.5	5	< 1	0.2	< 0.1	< 0.1	0.4	< 0.1	0.2
Method Blank																							
Method Blank																							
Method Blank																							

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Activation Laboratories Ltd.

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Analyte Symbol	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Li	Be	Sc	Mn	Rb	Sr	Cs	Ba	Ru	Pd	Pt	Li	Li2O
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	%	%
Lower Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	100	1	1	1	0.1	1	1	1	1	0.01	0.01
Method Code	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	FUS-Na2O2	FUS-Na2O2
DNC-1 Meas																							
DNC-1 Cert																							
TILL-2 Meas	6.4	1.4		0.9			3.1		2.8	0.4	8	3	< 100	6390	148	597	1.7	1130					
TILL-2 Cert	7400.0	1000.0		1200.0			3700.0		3700.0	600.0	47000	4000.0	12000										
TILL-2 Meas	6.4	1.4		0.9			3.2		2.9	0.4	8	3	< 100	780000	143000	144000	12000	540000					
TILL-2 Cert	7400.0	1000.0		1200.0			3700.0		3700.0	600.0	47000	4000.0	12000										
TILL-2 Meas	6.7	1.5		1.0			3.1		3.0	0.4	10	3	< 100	6690	144	573	1.5	1220					
TILL-2 Cert	7400.0	1000.0		1200.0			3700.0		3700.0	600.0	47000	4000.0	12000										
TILL-2 Meas	7.6	1.7		1.1			3.5		3.4	0.4	11	4	< 100	7560	156	637	1.7	1370					
TILL-2 Cert	7400.0	1000.0		1200.0			3700.0		3700.0	600.0	47000	4000.0	12000										
SY-4 Meas																							
SY-4 Cert																							
BIR-1a Meas																							
BIR-1a Cert																							
ZW-C Meas																							
ZW-C Cert																							
OREAS 101b (Fusion) Meas																							
OREAS 101b (Fusion) Cert																							
NCS DC86318 Meas																							
NCS DC86318 Cert																							
NCS DC86304 Meas																						1.09	2.35
NCS DC86304 Cert																						1.06	2.29
NCS DC86314 Meas																						1.82	3.91
NCS DC86314 Cert																						1.81	3.89
BCR-2 Meas																							
BCR-2 Cert																							
USZ 42-2006 Meas																							
USZ 42-2006 Cert																							
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							8.51
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							8
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							8.35
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							8

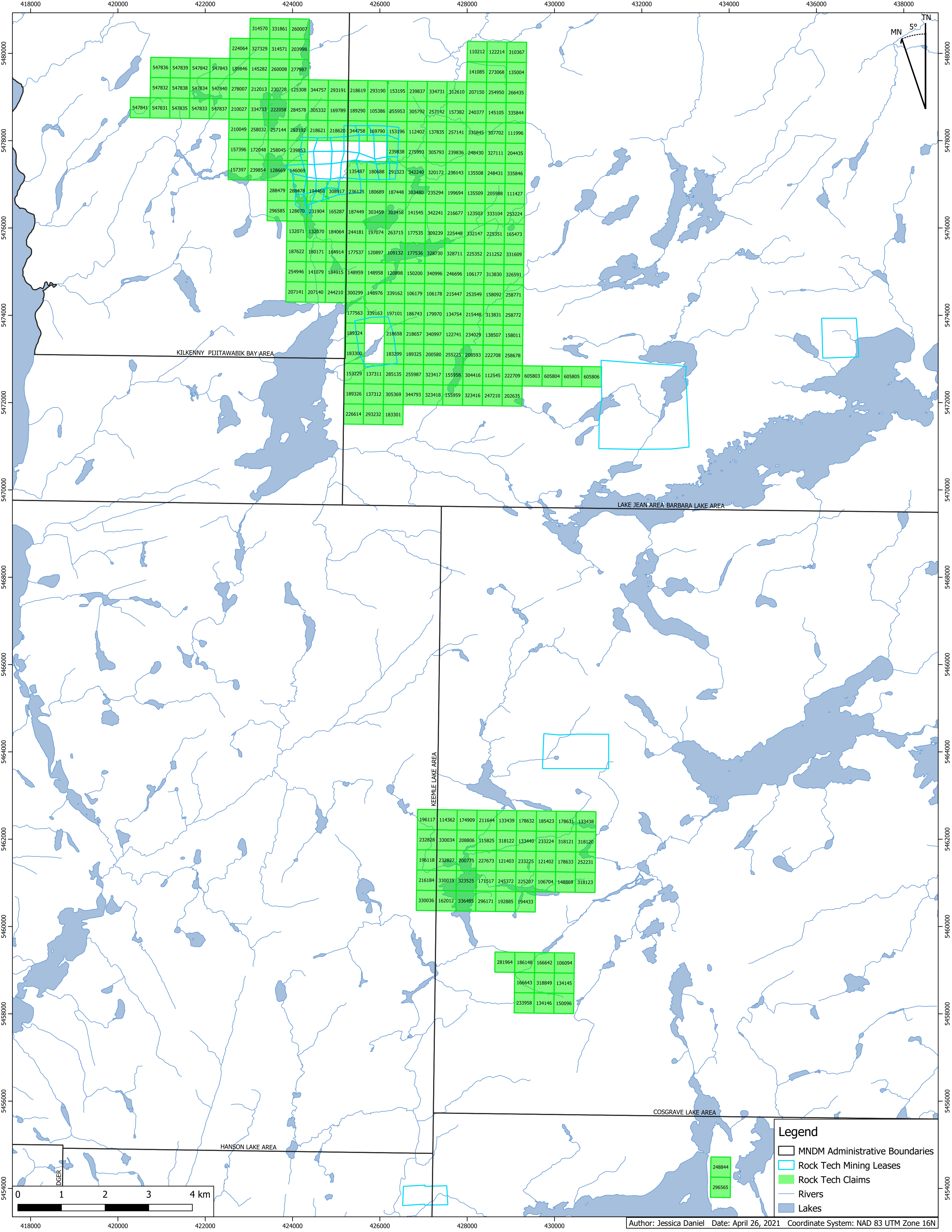


QC

Activation Laboratories Ltd.

Report: A22-03414

Analyte Symbol	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Li	Be	Sc	Mn	Rb	Sr	Cs	Ba	Ru	Pd	Pt	Li	Li2O
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	%	%
Lower Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	2	100	1	1	1	0.1	1	1	1	1	0.01	0.01
Method Code	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	FUS-Na2O2	FUS-Na2O2
Lithium Tetraborate FX-LT 100 lot#220610B Meas																						8.03	
Lithium Tetraborate FX-LT 100 lot#220610B Cert																						8	
REE-1 Meas																							
REE-1 Cert																							
L-STD-9 Meas																							
L-STD-9 Cert																							
W-2b Meas																							
W-2b Cert																							
OREAS 148 (Peroxide Fusion) Meas																						0.51	1.09
OREAS 148 (Peroxide Fusion) Cert																						0.48	1.03
167501 Orig																						< 0.01	0.01
167501 Dup																						< 0.01	0.01
167506 Orig																							
167506 Dup																							
167561 Orig	0.2	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	6	< 2	< 100	372	115	60	4.8	387	< 1	< 1	< 1		
167561 Dup	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	5	< 2	< 100	412	121	61	4.6	377	< 1	< 1	< 1		
167562 Orig	1.2	0.2	1.0	0.1	0.7	0.1	0.4	< 0.1	0.3	< 0.1	11	2	< 100	127	49	245	2.2	606	< 1	< 1	< 1		
167562 Dup	1.2	0.2	1.1	0.1	0.7	0.2	0.4	< 0.1	0.3	< 0.1	12	2	< 100	143	52	263	2.2	603	< 1	< 1	< 1		
167567 Orig																							
167567 Dup																							
167573 Orig	4.1	0.7	3.3	0.4	2.0	0.3	0.9	0.1	0.6	< 0.1	8	< 2	< 100	1170	16	152	7.9	433	< 1	< 1	< 1		
167573 Dup	4.1	0.6	3.4	0.4	2.1	0.3	0.8	0.1	0.7	< 0.1	7	< 2	< 100	1110	17	150	8.4	427	< 1	< 1	< 1		
Method Blank																							
Method Blank																							
Method Blank	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 2	< 2	< 100	6	< 1	< 1	< 0.1	9	< 1	< 1	< 1		
Method Blank																						< 0.01	< 0.01
Method Blank	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	2	< 2	< 100	10	< 1	< 1	< 0.1	10	< 1	< 1	< 1		
Method Blank																							
Method Blank																							
Method Blank																							



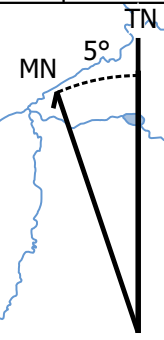
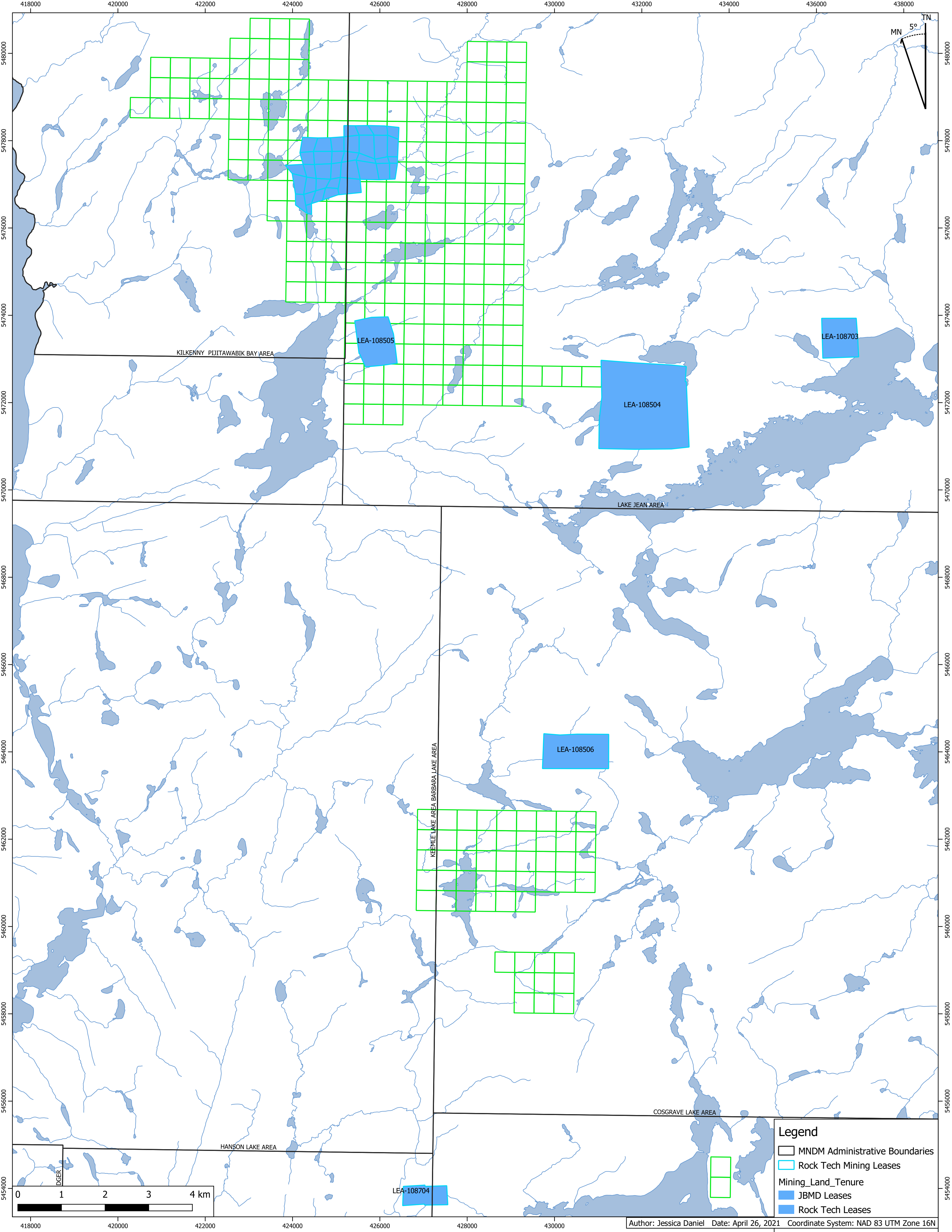
314570	331861	260007																	
224064	327329	314571	203998																
547836	547839	547842	547843	130846	145282	260008	277987												
547832	547838	547834	547840	278007	212013	230728	125308	344757	293191	218619	293190	153195	239837	334731	312610	207150	254950	266435	
547841	547831	547835	547833	547837	210027	334733	222058	284578	305332	169789	189290	105386	255953	305792	257142	157382	240377	145105	335844
210049	258032	257144	293192	218621	218620	344758	169790	153196	112402	137835	257141	335845	307702	111996					
157396	172048	258045	239853	135487	180688	291323	342240	320172	236143	135508	248431	335846							
157397	239854	128669	146069	288479	288478	194468	308917	236125	180689	187448	303480	235294	199694	135509	205988	111427			
296585	128670	231904	165287	187449	303459	303458	141545	342241	216677	123503	333104	253224							
132071	132070	184064	244181	197074	263715	177535	309239	225448	332147	225351	165473								
187622	180171	184914	177537	120897	109132	177536	328730	328711	225352	211252	331609								
254946	141079	184915	148959	148958	120898	150200	340996	246696	106177	313830	326591								
207141	207140	244210	300299	148976	339162	106179	106178	215447	253549	158092	258771								
177563	339163	197101	186743	179970	134754	215448	313831	258772											
189324	218658	218657	340997	122741	234029	138507	158011												
183300	183299	189325	200580	255225	208593	222708	258678												
153229	137311	285135	255987	323417	155958	304416	112545	222709	605803	605804	605805	605806							
189326	137312	305369	344793	323418	155959	323416	247210	202635											
226614	293232	183301																	

196117	114362	174909	211644	133439	178632	185423	178631	133438
232828	330034	208806	115825	318122	133440	233224	318121	318120
196118	232827	200775	227673	121403	233225	121402	178633	252231
216184	330035	323525	171517	245372	225207	106704	148869	318123
330036	162012	336485	296171	192885	194433			

281964	186148	166642	106094
166643	318849	134145	
233958	134146	150096	

248844
296565

- Legend**
- MNDM Administrative Boundaries
  - Rock Tech Mining Leases
  - Rock Tech Claims
  - Rivers
  - Lakes



KILKENNY PIJITAWABIK BAY AREA

LEA-108505

LEA-108504

LEA-108703

LAKE JEAN AREA

KEEMLE LAKE AREA BARBARA LAKE AREA

LEA-108506

COSGRAVE LAKE AREA

HANSON LAKE AREA

LEA-108704

- Legend**
- MNDM Administrative Boundaries
  - Rock Tech Mining Leases
  - Mining\_Land\_Tenure**
  - JBMD Leases
  - Rock Tech Leases

