

## ASX ANNOUNCEMENT

26<sup>th</sup> June 2023

### CORPORATE DETAILS

ASX Code: SLZ

### DIRECTORS

JEREMY KING  
CHAIRMAN

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NON-EXECUTIVE DIRECTOR

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## MULTIPLE PEGMATITE OCCURRENCES NOTED AS EXPLORATION COMMENCES AT RUDDY PROJECT, NORTH-WESTERN ONTARIO

- **Apex Geoscience have commenced reconnaissance exploration of the Ruddy Project in North-Western Ontario.**
- **At the Ruddy Project, the initial focus of exploration is an interpreted “LCT Goldilocks Zone” identified by other lithium explorers in the region, covering approximately 3.5km of east-west strike in the centre to south of the Company’s Project.**
- **Helicopter-supported geologists noting multiple pegmatite occurrences of up to 30m outcrop and up to 15m width.**
- **Duration of exploration activities at Ruddy extended to better assess project potential.**

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Sultan Resources Ltd (ASX:SLZ or **Company**) is pleased to advise that exploration has commenced at the Company’s Canadian projects, with experienced Canadian geological consultants, APEX Geoscience Ltd (APEX) conducting activities at its Ruddy Project in North Western Ontario (refer Figures 1, 2).

At Ruddy, the Company has established a priority exploration target from the interpreted LCT Goldilocks Zone surrounded the Allison Lake Batholith which covers approximately 3.5km of east-west strike in the centre to south of the Company’s Project.

Apex currently has four helicopter-supported geologists conducting reconnaissance over the project, sampling priority outcrop, including pegmatitic occurrences for lithium and associated elements; and veining (for gold) where appropriate. The team is typically averaging over 15 samples a day. Progress has been assisted by a recent burn in the area which has increased visibility from the air, although thick deadfall (stacked fallen trees) up to 1.5m height and new growth has slowed ground traverses.

Apex geologists have observed multiple pegmatite occurrences of up to 30m outcrop and up to 15m



width within the initial area of focus. Evidence of pegmatite fractionation minerals in the form of apatite or beryl have also been observed in the field from limited available outcrop, which is generally heavily covered by mosses and lichen.

With this initial encouragement the Company is looking to extend the field programme to better assess the potential of the Project area, with up to two extra days planned if required.

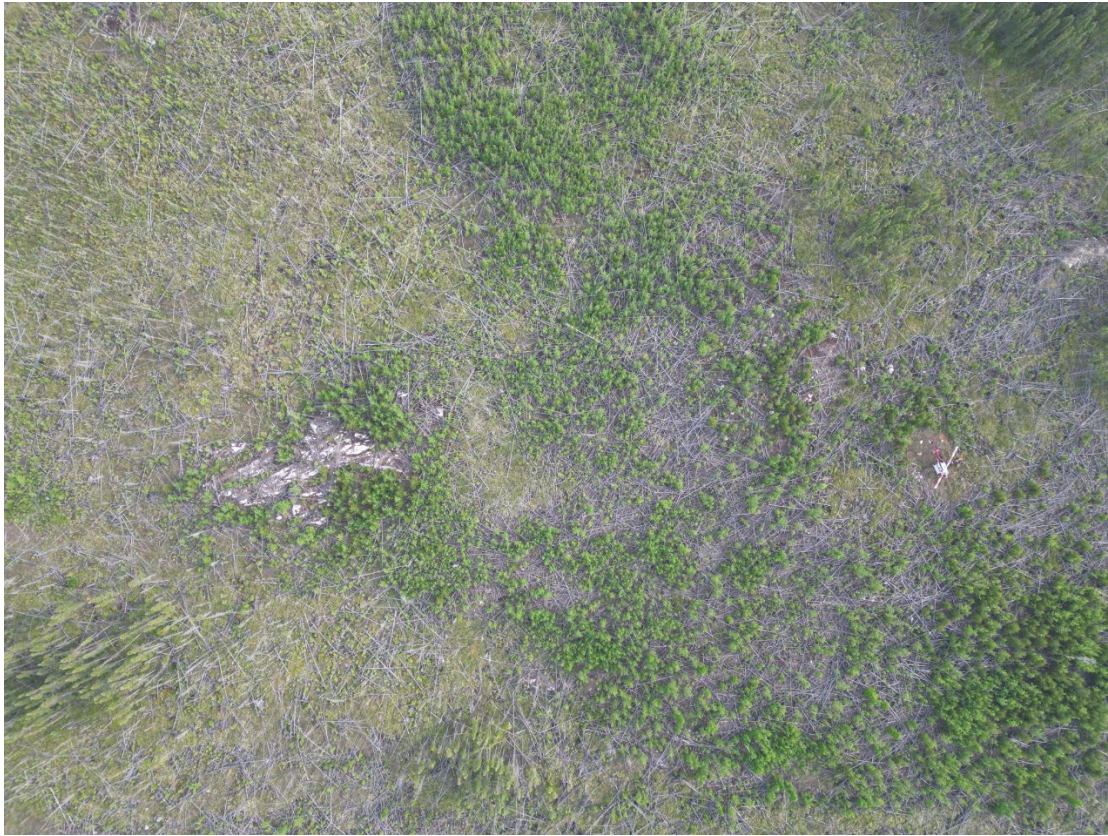
At the Kember Project (refer Figure 4), the Company has opted to delay reconnaissance activities after one of four First Nation groups with established rights in the area requested additional time to inform its members of planned activities. The Company will advise a revised timetable for this exploration in due course.

Sultan’s Chairman, Mr Jeremy King, commented:

*“The swift commencement of Canadian exploration for Sultan represents an exciting time for shareholders, with initial observations matching our enthusiasm for the area, and we look forward to fully informing the market upon receipt of results from this first phase of activity.”*



**Photo 1. View to Ruddy Project looking SSE, Ruddy Lake in foreground.**



**Photo 2. Aerial view, pegmatite outcrops, Ruddy Project, Helicopter and pad visible RHS for scale.**



**Photo 3. Aerial view, pegmatite outcrop example, Ruddy Project, visible outcrop estimate 20-30m length.**



⚡ Significant Lithium deposit (with Li<sub>2</sub>O resource)

■ Paleozoic-Proterozoic Rocks

■ Archean Superior Province

■ Greenstones

■ Sub-Province Type

■ Sedimentary

■ Plutonic

■ Volcanic Plutonic



**Figure 1: Location of Kember and Ruddy Projects in relation to known Lithium deposits, Northwest Ontario**

**N.B.** PAK (TSXV:FL) total resource taken from NI43-101 instrument effective April 28, 2023

Mavis resource (ASX:CRR) taken from ASX release dated June 7, 2023

Root Bay, Seymour Lake and McCombe resources (ASX:GT1) taken from ASX release dated May 5, 2023

Georgia Lake (TSXV:RCK) total resource taken from Georgia Lake Project: Pre-Feasibility Study Nov 22, 2022

Separation Rapids (TSX:AVL) total resource taken from NI43-101 instrument effective Sept 26, 2018

Jackpot (Imagine Lithium- private) estimate taken from Ontario Mineral Inventory Record: MDI42E055W00019; resource is historic and not compliant with formal resource reporting.

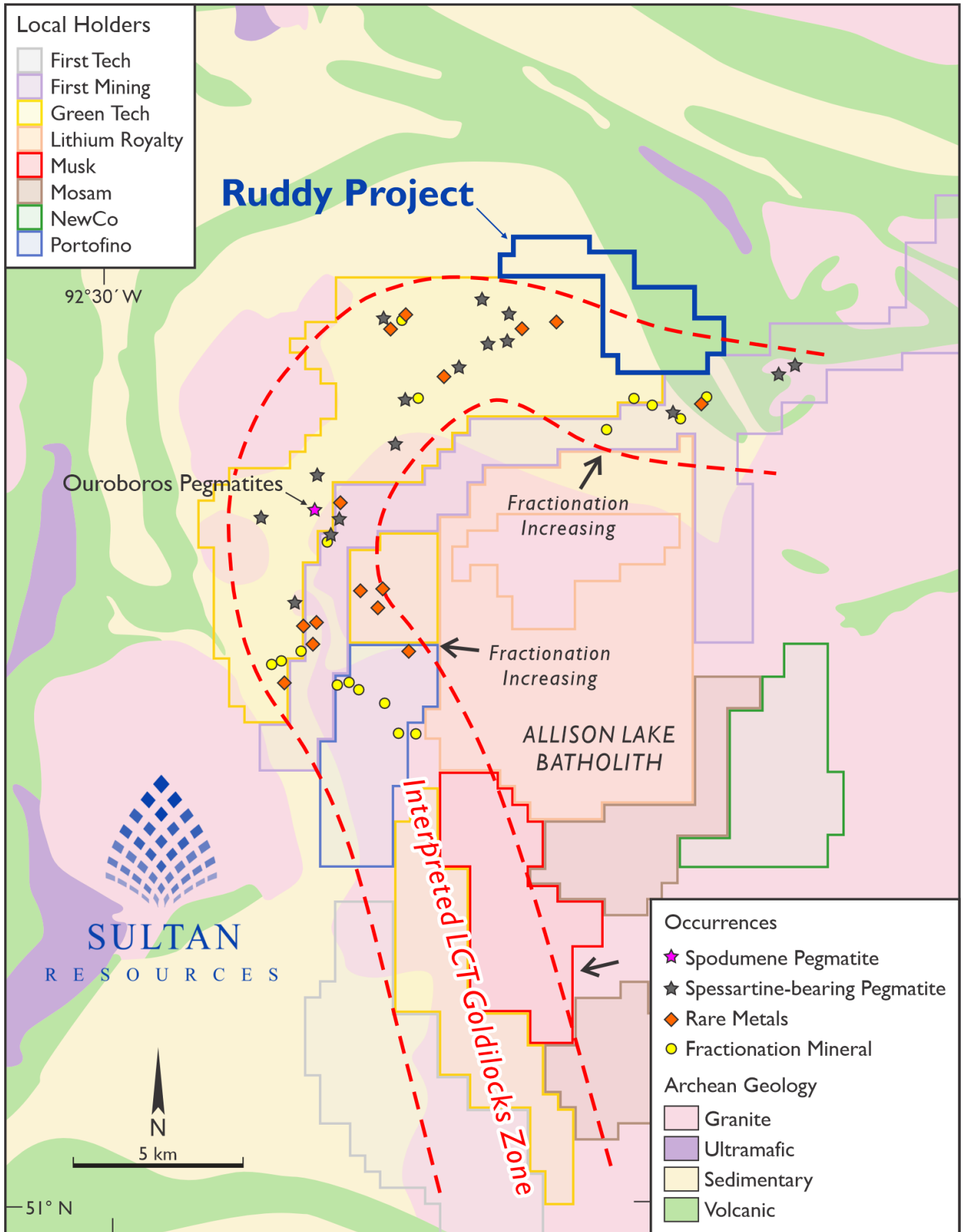


Figure 2: Location of Ruddy Project in relation to regional geology, known pegmatite occurrences (detail sourced from ASX:GT1 Announcement on 24/01/2022), and neighbouring tenure holders

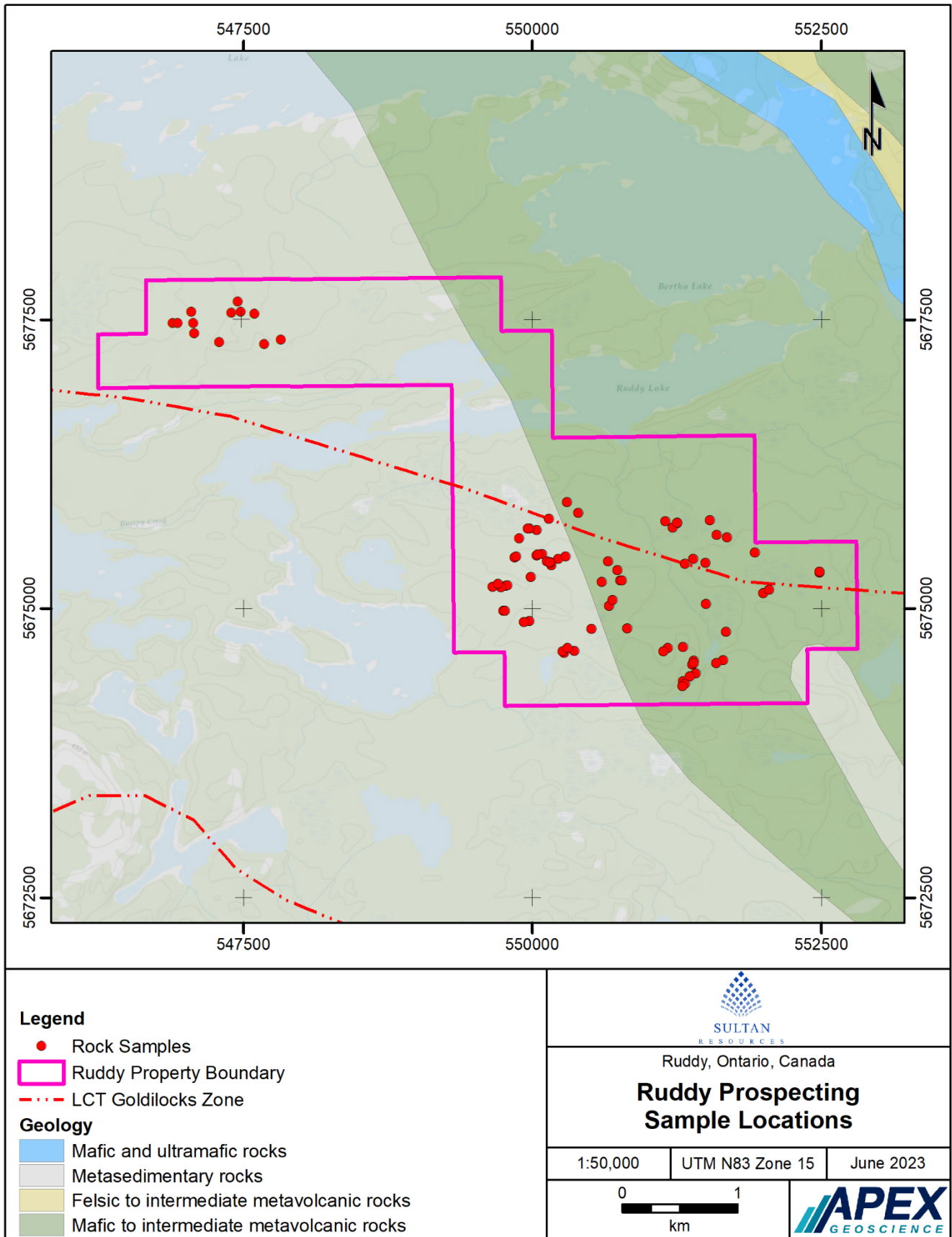


Figure 3: Sampled sites at Ruddy Project in relation to tenure and regional geology, as at 22<sup>nd</sup> June 2023. Sampled sites may consist of pegmatitic occurrences and/or vein occurrences



## About the Ruddy Lithium Project

The Ruddy Project (Figure 3) directly abuts ground to the west held by Green Technology Metals Limited (ASX: GT1) and is located in the province of Ontario about 162km north-north-east of the town of Dryden. The Project covers around 10km<sup>2</sup> and sits on the northern extremity of the Allison Lake Batholith, a fertile intrusive responsible for the development of proximal fractionated pegmatites with potential to host lithium, caesium and tantalum (LCT) mineralisation<sup>1,2</sup>.

Although there has been no documented exploration over the Ruddy Project claims, previous study of the area by the Ontario Geological Survey (Breaks *et al* 2003<sup>1</sup>) described the margin of the Allison Lake Batholith at the time as “...an important new exploration target for rare-element mineralization and is the largest such granite thus far documented in Ontario...”.

Breaks *et al* 2003<sup>1</sup> considered the margin of the Batholith had high potential for further discoveries of rare element mineralization that could occur in exo-contact, metasedimentary-hosted pegmatites or as internal pegmatites within the parent granite, particularly in light of the common regional zonation sequence of rare-element pegmatites from beryl-rich into lithium-rich types. This typically includes spodumene-type pegmatites in an interpreted ‘LCT Goldilocks Zone’ of increased fractionation from the parent granite. With recent renewed interest in rare element mineralisation, the prospective Allison Batholith has emerged as a fully staked, multi-company, battery mineral exploration region.

Reports by Green Technology Metals<sup>2</sup> describe the identification of the spodumene-bearing Ouroboros Pegmatites approximately 10km southwest of the Ruddy Project in a similar geological setting, which the Company considers highly encouraging. The Company intends to focus priority exploration at Ruddy at outcrop within the interpreted LCT Goldilocks Zone surrounding the Allison Lake Batholith, covering approximately 3.5km of east-west strike in the centre to south of the Company’s Project.

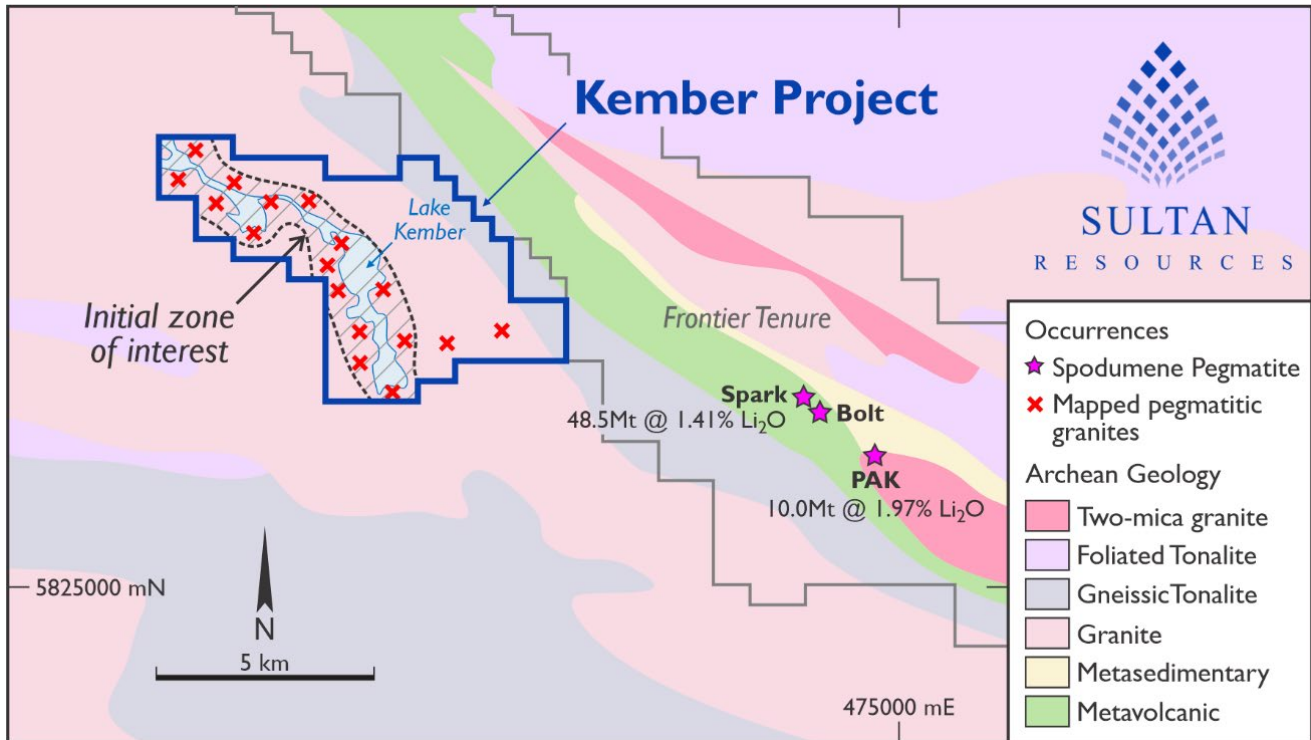
## About the Kember Lake Lithium Project

The Kember Project (Figure 2) is located in the province of Ontario about 180km north of the town of Red Lake, covering an area of around 30km<sup>2</sup>. Demonstrating the prospectivity of this area, the Kember Project is located about 8km from the PAK/Bolt/Spark lithium deposits of Frontier Lithium Inc. (Frontier) and is contiguous with this project tenure.

Recent drilling by Frontier intersected **398.25m of pegmatite averaging 1.88% Li<sub>2</sub>O**, including a **23.4m zone of 3.12% Li<sub>2</sub>O** (see TSX.V Announcement 8/02/2023). Frontier have also recently announced resources totalling 58.5Mt @ 1.51% Li<sub>2</sub>O from its most recent NI43-101 instrument effective April 28<sup>th</sup> 2023, calculated from two of four known spodumene-bearing pegmatite occurrences within its PAK Project holdings.

There has been no recorded exploration over the Kember Project area, however, mapping by the Geological Survey of Ontario has historically recorded the presence of pegmatitic granites over a northwest to southeast zone around seven km in length and typically over a kilometre in width, providing an initial zone of interest.

These pegmatitic granites will be the focus of initial reconnaissance of 5 to 7 days duration, with four helicopter-supported geologists from Canadian-based experienced geological consultants, APEX Geoscience conducting mapping and sampling of priority outcrop. The Company considers rare element mineralisation can occur associated with internal pegmatites within the parent granite. The Company will also conduct reconnaissance of the eastern edge of the project, closer to changes in granitic composition and contact morphologies.



**Figure 3: Location of Kember Project in relation to regional geology and known spodumene-hosted Lithium deposits, Northwest Ontario**

For further detail on the Kember and Ruddy Projects please refer to the following:

Sultan Resources Limited (ASX:SLZ) ASX Announcement: 2023 "Sultan Resources enters agreement to acquire 100% interest in highly prospective Canadian lithium exploration ground in Ontario, Canada" dated 17/03/2023

Sultan Resources Limited (ASX:SLZ) ASX Announcement: 2023 "Sultan Completes Acquisition of Canadian Lithium Projects" dated 25/05/2023

Sultan Resources Limited (ASX:SLZ) ASX Announcement: 2023 "Sultan Appoints Experienced Canadian Geological Team" dated 1/06/2023

Sultan Resources Limited (ASX:SLZ) ASX Announcement: 2023 "Multiple mapped pegmatitic occurrences Kember Lithium Project" dated 14/06/2023

**References**

<sup>1</sup> 2003, Ontario Geological Survey, Open File Report 6099, Fertile Peraluminous Granites and Related Rare-Element Mineralization in Pegmatites, Superior Province, North-West and North-East Ontario: Operation Treasure Hunt. F.W.Breaks, J.B. Selway and A.G. Tindle

<sup>2</sup> Green Technology Metals (ASX:GT1) ASX Announcement: "Strategic lithium footprint substantially expanded" dated 24/01/2022

***This announcement is authorised by the Board of Sultan Resources Ltd***

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**Cautionary Statement:** Investors are cautioned that the Company has not yet been able to independently verify the information contained in this release. The information is not necessarily indicative of the mineralization on the property, which is the subject of this news release. The Company will need to conduct exploration to confirm details reported on the properties, which it is currently undertaking, and there is no guarantee that a significant discovery will be made as a result of its exploration efforts.

#### **Competent Persons Statement**

The information in this ASX Announcement that relates to Exploration Results is based on information reviewed and compiled by Mr Craig Hall, a Competent Person who is a Member of the Australian Institute of Geoscientists, and a full-time employee of Sultan Resources. Mr Hall has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the “Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves”. Mr Hall consents to the inclusion in this Announcement of the matters based on his information in the form and context in which it appears. The Competent Person is not aware of any new information or data that materially affects the information contained in the above sources or the data contained in this announcement.

#### **Disclaimer**

In relying on the above mentioned ASX announcement and pursuant to ASX Listing Rule 5.23.2, the Company confirms that it is not aware of any new information or data that materially affects the information included in the abovementioned announcement.

#### **About Sultan Resources**

Sultan Resources is an Australian focused exploration company with a portfolio of quality assets in emerging discovery terranes currently targeted by successful explorers such as Newcrest Mining, Alkane Resources, Gold Road Resources, and Sandfire Resources. Sultan’s tenement portfolio includes prospective targets for porphyry Au-Cu, structurally-hosted gold, Nickel, Cobalt and base metals and include tenements located in the highly prospective east Lachlan Fold Belt of Central NSW as well as projects located within the southern terrane region of the Yilgarn Craton in south and south eastern Western Australia, and more recently lithium prospective tenements in NW Ontario in Canada. Sultan’s board and management strategy is for a methodical approach to exploration across the prospects in order to discover gold and base metals that may be delineated via modern exploration techniques and exploited for the benefit of the company and its shareholders.



## JORC CODE, 2012 EDITION – TABLE 1

### Section 1 Sampling Techniques and Data

(Criteria in this section apply to all succeeding sections.)

Criteria	Commentary
<b>Sampling techniques</b>	<ul style="list-style-type: none"> <li>Not Applicable, reporting exploration mapping only</li> </ul>
<b>Drilling techniques</b>	<ul style="list-style-type: none"> <li>Not Applicable, reporting exploration mapping only</li> </ul>
<b>Drill sample recovery</b>	<ul style="list-style-type: none"> <li>Not Applicable, reporting exploration mapping only</li> </ul>
<b>Logging</b>	<ul style="list-style-type: none"> <li>Not Applicable, reporting exploration mapping only</li> </ul>
<b>Sub-sampling techniques and sample preparation</b>	<ul style="list-style-type: none"> <li>Not Applicable, reporting exploration mapping only</li> </ul>
<b>Quality of assay data and laboratory tests</b>	<ul style="list-style-type: none"> <li>Not Applicable, reporting exploration mapping only</li> </ul>
<b>Verification of sampling and assaying</b>	<ul style="list-style-type: none"> <li>Not Applicable, reporting exploration mapping only</li> </ul>
<b>Location of data points</b>	<ul style="list-style-type: none"> <li>Coordinates are generated from georeferenced mapping, with associated uncertainty. Sample points located using handheld GPS. Project locations fall in UTM N83 Zone 15.</li> </ul>
<b>Data spacing and distribution</b>	<ul style="list-style-type: none"> <li>Not Applicable, reporting exploration mapping only</li> </ul>
<b>Orientation of data in relation to geological structure</b>	<ul style="list-style-type: none"> <li>Not Applicable, reporting exploration mapping only</li> </ul>
<b>Sample security</b>	<ul style="list-style-type: none"> <li>Not Applicable, reporting exploration mapping only</li> </ul>
<b>Audits or reviews</b>	<ul style="list-style-type: none"> <li>Not Applicable, reporting exploration mapping only</li> </ul>

### Section 2 Reporting of Exploration Results

(Criteria listed in the preceding section also apply to this section.)

Criteria	Commentary
<b>Mineral tenement and land tenure status</b>	<ul style="list-style-type: none"> <li>The Kember Project consists of 6 granted Multi-cell Mineral Claims (705989-705994) licences held by Gravel Ridge Resources Ltd (705989-991) and Perry Vern English (705993-994) respectively for XS Minerals Ltd (XSM). The Kember Project falls within the Sandy Lake First Nation (SLFN), North Spirit Lake First Nation (NSFN), Deer Lake First Nation (DLFN) and Keewaywin First Nation (KFN) ancestral homelands.</li> </ul>



Criteria	Commentary
	<ul style="list-style-type: none"> <li>• The Ruddy Project consists of 3 granted Multi-cell Mineral Claims (711362-711364) licences held by Perry Vern English for XS Minerals Ltd (XSM). The Ruddy Project falls within the Cat Lake First Nation (CLFN), Wabauskang First Nation (WFN), and Lac Seul First Nation (LSFN) ancestral homelands.</li> <li>• Details surrounding the agreement to purchase the Kember and Ruddy Projects is listed in ASX:SLZ announcement dated 17th March 2023 “Sultan Resources enters agreement to acquire 100% interest in highly prospective Canadian lithium exploration ground in Ontario, Canada”.</li> <li>• The Company announced completion of the Kember and Ruddy Projects acquisition on May 25<sup>th</sup> 2023</li> </ul>
<b>Exploration done by other parties</b>	<ul style="list-style-type: none"> <li>• Exploration over the Kember tenement related to this announcement are attributed to mapping by the Geological Survey of Ontario.</li> <li>• Geological Survey of Ontario reporting and field results and observations from Green Technology Metals (ASX:GT1) are referenced in relation to proximity to the Ruddy Project, based on work completed by John Fingus-March 2022 Assessment Report on Crown Land for the Costello Lake Area – 2021 Prospecting Program.</li> </ul>
<b>Geology</b>	<p>The Company is targeting:</p> <ul style="list-style-type: none"> <li>• LCT Pegmatite mineralisation hosted within granite/sediment/greenstone terranes of Archaean age,</li> </ul>
<b>Drill hole Information</b>	<ul style="list-style-type: none"> <li>• Not Applicable, reporting exploration mapping only</li> </ul>
<b>Data aggregation methods</b>	<ul style="list-style-type: none"> <li>• Not Applicable, reporting exploration mapping only</li> </ul>
<b>Relationship between mineralisation widths and intercept lengths</b>	<ul style="list-style-type: none"> <li>• Not Applicable, reporting exploration mapping only</li> </ul>
<b>Diagrams</b>	<ul style="list-style-type: none"> <li>• Refer to maps and photos included in this report</li> </ul>
<b>Balanced reporting</b>	<ul style="list-style-type: none"> <li>• Further detail can be gained from reports referenced or from individual company websites.</li> </ul>
<b>Other substantive exploration data</b>	<ul style="list-style-type: none"> <li>• More detailed geological review will follow in subsequent reporting</li> </ul>
<b>Further work</b>	<ul style="list-style-type: none"> <li>• Discussed in this report</li> <li>• Refer figures in the report</li> </ul>