

## DRILLING COMMENCES AT SECOND KEY LITHIUM PROJECT IN ONTARIO

### HIGHLIGHTS

- Phase 1 diamond drilling has commenced at the McCombe LCT pegmatites (Root Project).
- Initial 22-hole, 2,500m program set to confirm McCombe historical drilling and sampling results.
- Phase 2 diamond drilling to target significant expansion of the known McCombe mineralisation.
- Historical drilling demonstrated down-dip continuity at McCombe (including 67m @ 1.75% Li<sub>2</sub>O).
- Total 24,000m diamond drilling program initially planned over McCombe and Morrison pegmatites.
- Targeting rapid delineation of a maiden Mineral Resource estimate for the Root Project.
- Drilling continues in parallel at Seymour with two drill rigs operating

Green Technology Metals Limited (**ASX: GT1**) (**GT1** or the **Company**) is pleased to advise that drilling has commenced at its Root Project, located approximately 200 km west-north-west of GT1's flagship Seymour Project. Drilling is initially focussed on the McCombe LCT pegmatite.

***"Commencing drilling at Root is another significant milestone for our business. The initial focus at the advanced McCombe LCT pegmatite is confirmation and extension of known mineralisation, followed by rapid estimation of a maiden Mineral Resource estimate. We then plan to target other known spodumene-bearing LCT pegmatites at Root, including Morrison and Root Bay."***

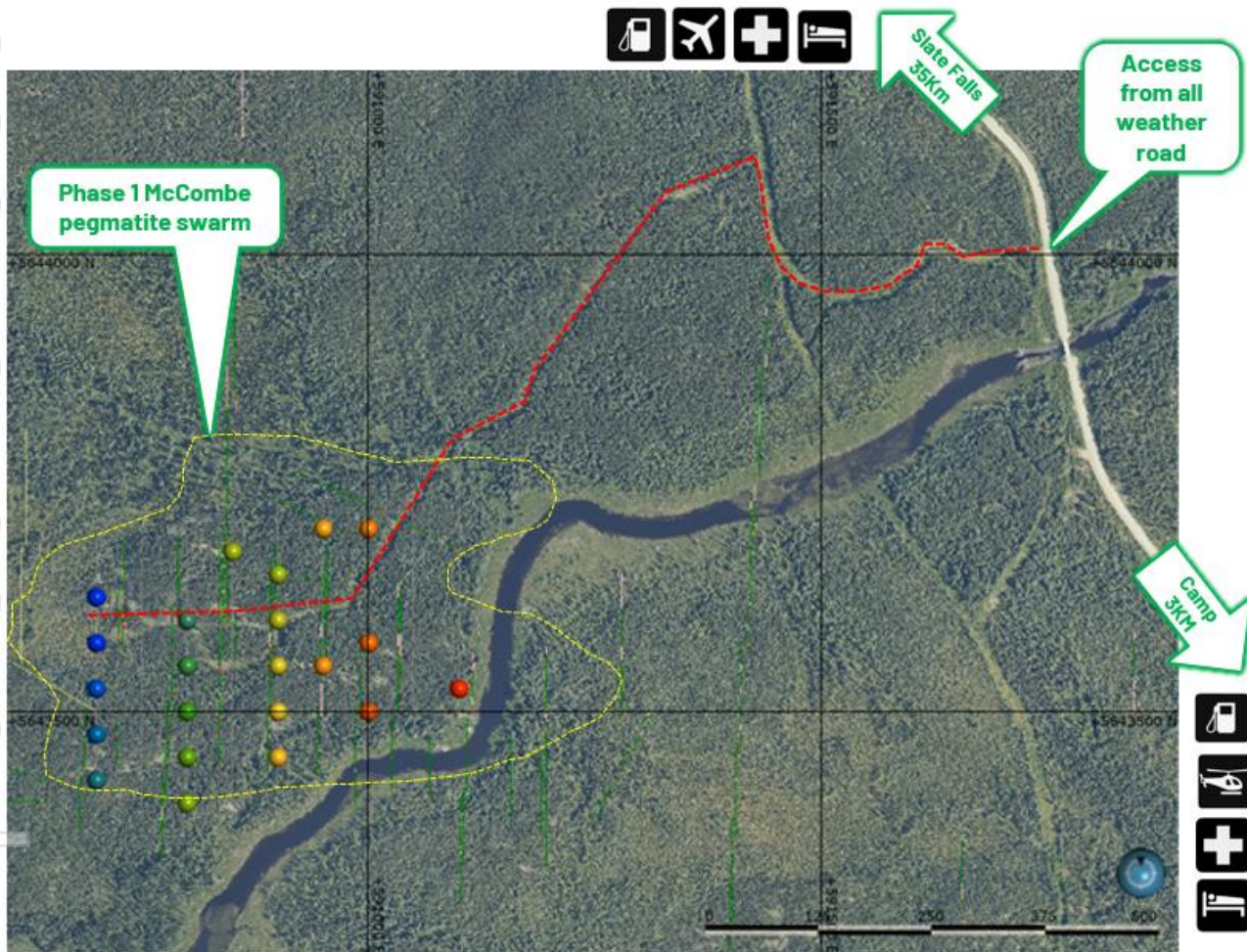
- *GT1 Chief Executive Officer, Luke Cox*



## McCombe drilling program at Root

Initial drilling at McCombe (22 holes for 2,500m) is targeted to confirm historical drilling and sampling. The second phase of drilling is then planned to test for extensions of the mineralised pegmatites in all directions, infill key sections and rapidly facilitate delineation of a maiden Mineral Resource estimate for the Root Project.

The McCombe LCT (Lithium-Caesium-Tantalum) pegmatite is the most advanced prospect at Root. Historical drilling completed by Ardiden Limited in 2016 saw six holes drilled, which intersected numerous pegmatites, generally dipping to the south and striking east-west. This drilling confirmed historical drill results and demonstrated the down dip continuity of the lithium mineralisation, including a key extensional intercept of 67m @ 1.75% Li<sub>2</sub>O (see GT1 ASX release dated 8 November 2021, *Prospectus*).



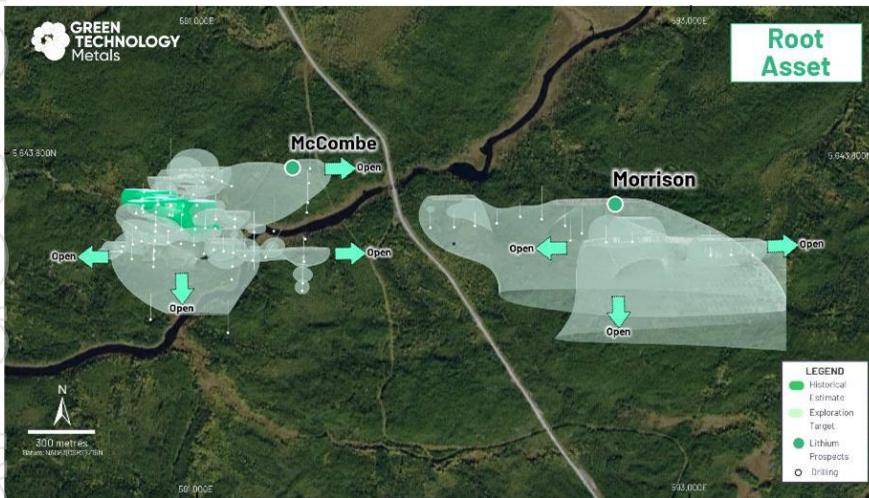
**Figure 1: Phase 1 drill collars at McCombe pegmatite – confirmation program of 22 holes for 2,500m**

Field geologists continue to map the known LCT pegmatites, and determine their exposed lateral extents, across the broader Root Project. In combination with the recently acquired aerial photography, aerial geophysics and Lidar bare earth interpretations, a pipeline of initial targets for further field testing is being established at Root.

## Root Project Exploration Target

The Exploration Target at the Root Project is based on historical mapping, sampling and drilling across the McCombe and Morrison pegmatite systems. **The Exploration Target for Root is 20 to 24 Mt @ 0.8 to 1.5% Li<sub>2</sub>O.**

*The potential quantity and grade of the Exploration Target is conceptual in nature, there has been insufficient exploration to estimate a Mineral Resource and it is uncertain if further exploration will result in the estimation of a Mineral Resource.*



**Figure 2: Exploration Targets at McCombe and Morrison**

The Root project is readily accessible with all weather infrastructure and emergency response capability in Slate Falls and Sioux Lookout. The Transcontinental railway connects Root and Seymour projects with a direct line and sidings.



**Figure 3: Root location and infrastructure**

*This ASX release has been approved for release by the Board of Directors.*

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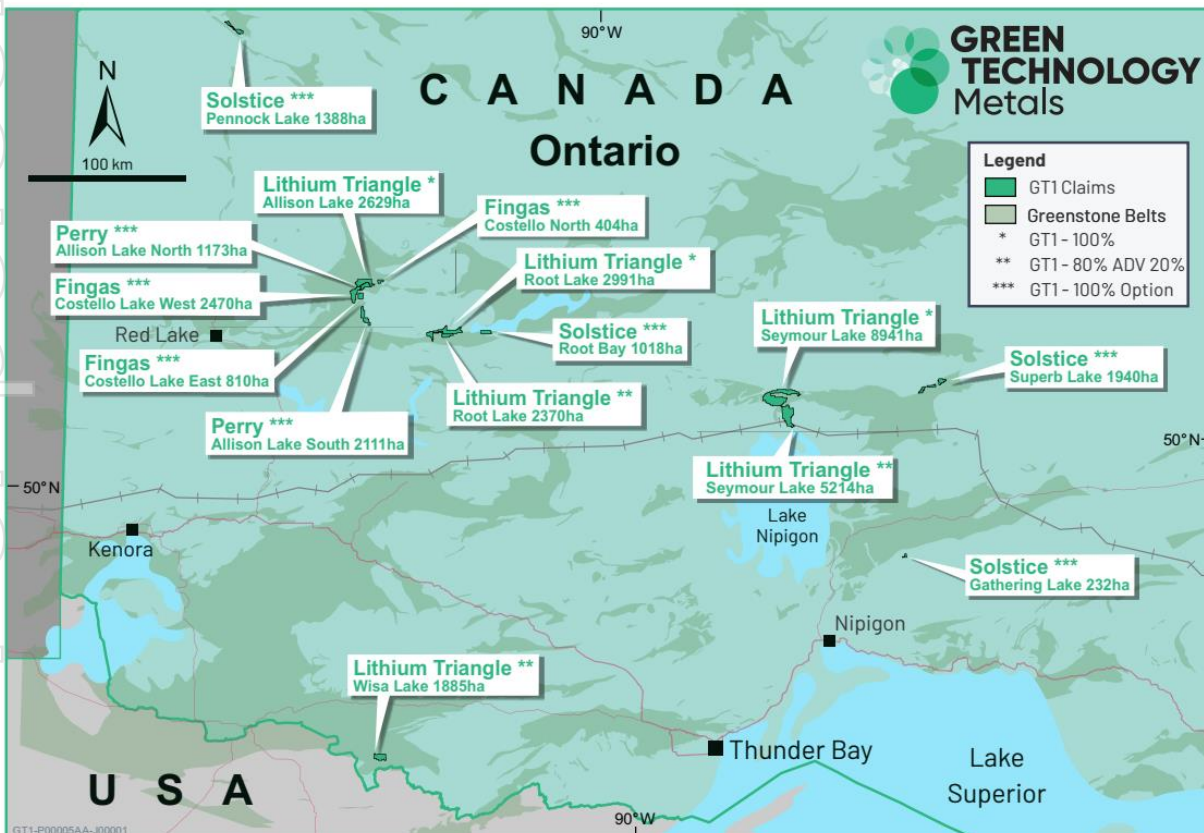
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## Green Technology Metals (ASX:GT1)

GT1 is a North American focussed lithium exploration and development business. The Company's Ontario Lithium Projects comprise high-grade, hard rock spodumene assets (Seymour, Root and Wisa) and lithium exploration claims (Allison and Solstice) located on highly prospective Archean Greenstone tenure in north-west Ontario, Canada.

All sites are proximate to excellent existing infrastructure (including hydro power generation and transmission facilities), readily accessible by road, and with nearby rail delivering transport optionality.

Seymour has an existing Mineral Resource estimate of 9.9 Mt @ 1.04% Li<sub>2</sub>O (comprised of 5.2 Mt at 1.29% Li<sub>2</sub>O Indicated and 4.7 Mt at 0.76% Li<sub>2</sub>O Inferred). Accelerated, targeted exploration across all three projects delivers outstanding potential to grow resources rapidly and substantially.



The Company holds an 80% interest in the Ontario Lithium Projects (Seymour, Root and Wisa) under a joint venture with Ardiden Limited (ASX: ADV).

For full details of the Seymour Mineral Resource estimate, see GT1 ASX release dated 23 June 2022, *Interim Seymour Mineral Resource Doubles to 9.9Mt*. The Company confirms that it is not aware of any new information or data that materially affects the information in that release and that the material assumptions and technical parameters underpinning this estimate continue to apply and have not materially changed.

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## **APPENDIX A: IMPORTANT NOTICES**

### **No new information**

Except where explicitly stated, this announcement contains references to prior exploration results, all of which have been cross-referenced to previous market announcements made by the Company. The Company confirms that it is not aware of any new information or data that materially affects the information included in the relevant market announcements.

The information in this report relating to the Mineral Resource estimate for the Seymour Project is extracted from the Company's ASX announcement dated 23 June 2022. GT1 confirms that it is not aware of any new information or data that materially affects the information included in the original announcement and that all material assumptions and technical parameters underpinning the Mineral Resource estimate continue to apply.

### **Competent Person Statement**

The information in this Presentation that relates to the Exploration Target at Root is based on activities carried out by Mr Luke Cox. Mr Cox has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and the activity they are undertaking to qualify as Competent Persons as defined in the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code 2012). Mr Cox consents to the inclusion in this report of the matters based on the information in the form and context in which it appears in this Presentation. Mr Cox is the Chief Executive Officer of the Company and holds securities in the Company.

### **Forward Looking Statements**

Certain information in this document refers to the intentions of Green Technology Metals Limited (ASX: GT1), however these are not intended to be forecasts, forward looking statements or statements about the future matters for the purposes of the Corporations Act or any other applicable law. Statements regarding plans with respect to GT1's projects are forward looking statements and can generally be identified by the use of words such as 'project', 'foresee', 'plan', 'expect', 'aim', 'intend', 'anticipate', 'believe', 'estimate', 'may', 'should', 'will' or similar expressions. There can be no assurance that the GT1's plans for its projects will proceed as expected and there can be no assurance of future events which are subject to risk, uncertainties and other actions that may cause GT1's actual results, performance or achievements to differ from those referred to in this document. While the information contained in this document has been prepared in good faith, there can be given no assurance or guarantee that the occurrence of these events referred to in the document will occur as contemplated. Accordingly, to the maximum extent permitted by law, GT1 and any of its affiliates and their directors, officers, employees, agents and advisors disclaim any liability whether direct or indirect, express or limited, contractual, tortious, statutory or otherwise, in respect of, the accuracy, reliability or completeness of the information in this document, or likelihood of fulfilment of any forward-looking statement or any event or results expressed or implied in any forward-looking statement; and do not make any representation or warranty, express or implied, as to the accuracy, reliability or completeness of the information in this document, or likelihood of fulfilment of any forward-looking statement or any event or results expressed or implied in any forward-looking statement; and disclaim all responsibility and liability for these forward-looking statements (including, without limitation, liability for negligence).