

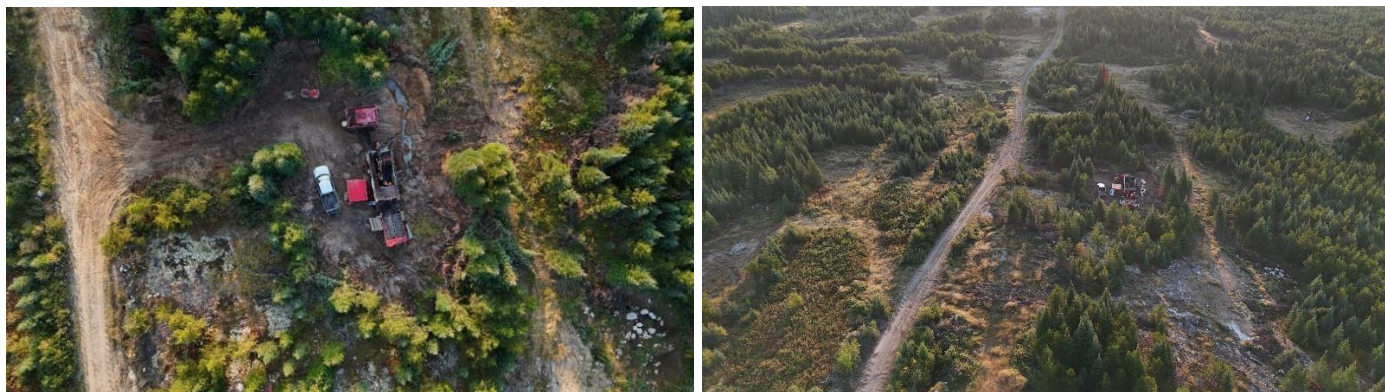
*Building the pre-eminent vertically integrated **Lithium** business in Ontario, Canada*

## EXTENSIONAL DRILLING COMMENCED AT THE ROOT LITHIUM PROJECT

### HIGHLIGHTS

- **A 14,000m, two phase, diamond drilling program has commenced at the 14.6Mt<sup>1</sup> Root Lithium Project**
- **Phase 1: 10,000m, 16-hole deep extensional diamond drill program at Root Bay**
  - testing the potential for underground resource expansion at Root Bay and
  - mineralisation continuity below the current open-pit mine inventory, potentially increasing mine-life and improving project economics
- **Phase 2: 4,000m, 10-hole drilling program at Root Bay East, located 1.3km to the east of Root Bay planned to further delineate the pegmatite extents from the maiden drilling program completed in 2023, resulting in:**
  - 7 stacked pegmatites identified along an 800m east-west trend, located 1.3km to the east of the Root Bay Mineral Resource
  - Several significant intercepts including: RBE-23-007: **23.3m @ 1.16% Li<sub>2</sub>O** from 197.0m<sup>2</sup>
- **A revised Mineral Resource update will be prepared, pending receipt of all assays and the subsequent interpretation has been completed**

Green Technology Metals Limited (**ASX: GT1**) (**GT1** or the **Company**), a Canadian-focused multi-asset lithium business, is pleased to provide an update on the drilling program at the Root Lithium project located in Ontario, Canada.



**Figure 1: Aerial footage of diamond drill rigs at the Root Bay deposit**

<sup>1</sup> For full details of the Root Mineral Resource estimate, see GT1 ASX release 18 October 2023, Significant resource and confidence level increase at Root, Global Resource Inventory now at 24.5Mt.

<sup>2</sup> Refer to ASX announcement New Discovery 1.3KM East of Root Bay Deposit LCT Spodumene Pegmatites, 22 November 2023.

***"We are excited to be back on the ground at the highly prospective Root Lithium project, as we continue to explore and further expand the 14.6Mt resource. Last year, we completed our maiden drilling program at Root Bay East which validated significant potential for the repetition of the Root Bay deposit along strike, so we are looking forward to continuing our drilling program over this area after we complete the extension drilling at Root Bay."***

***I'm currently on-site in Canada, where I've had the opportunity to spend time with GT1's geology and drilling teams during the first week of drilling. It's great to see activity resuming at Root, with the camp reopening and our personnel remobilising."***

- GT1 Managing Director, Cameron Henry

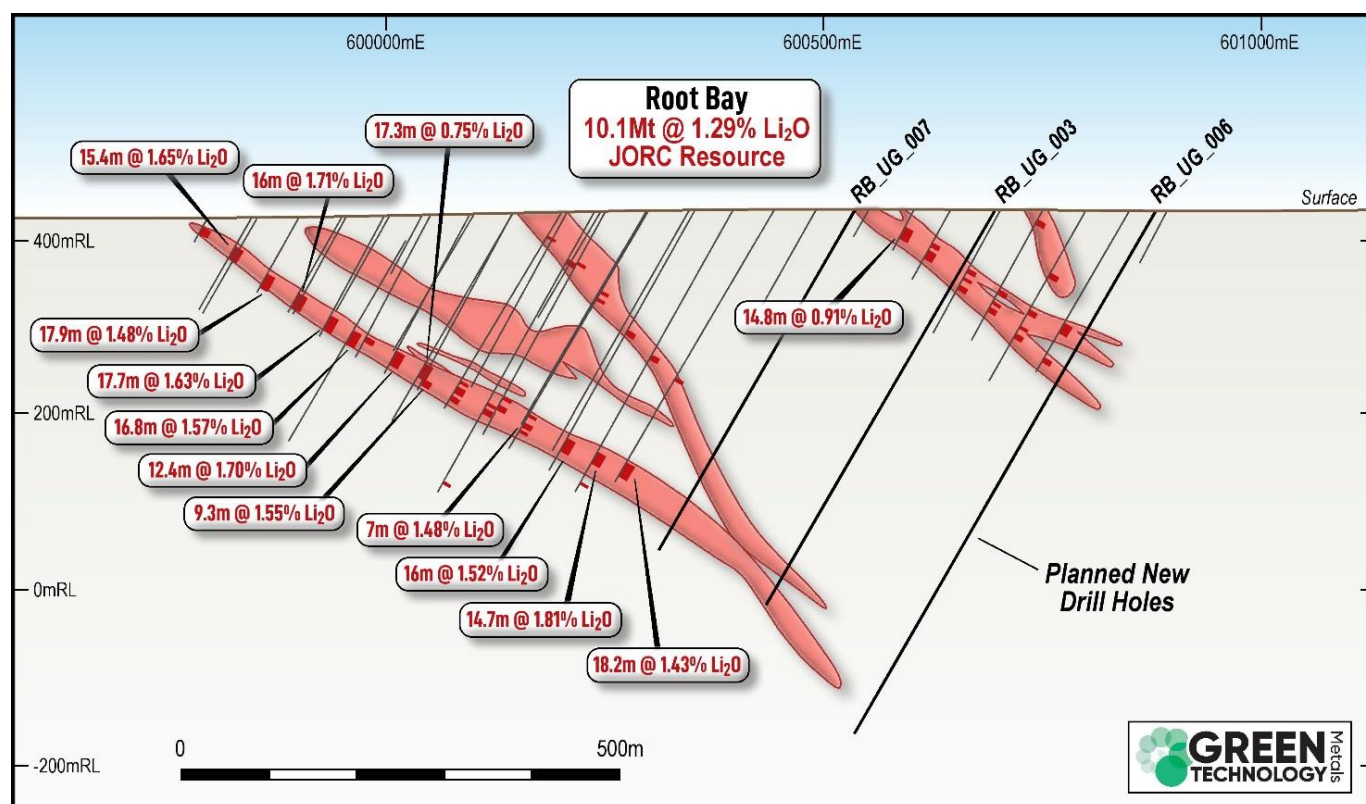
## Phase 1: Root Bay Deep Extensions

A 10,000 metre, 16-hole diamond drilling program has begun at the Root Bay project, aimed at testing the down-dip extensions of pegmatites to support underground resource expansion. Three priority deep extension holes will be completed to assess down-dip continuity, along with additional infill drilling planned, pending successful exploration results. Drilling is scheduled to continue over the next four to six weeks but may be extended with exploration success.

The drilling program seeks to capitalise on the success of last year's deeper drilling where GT1 successfully intersected high-grade pegmatites exist to at least 300m downdip of the open-pit extents, results included:

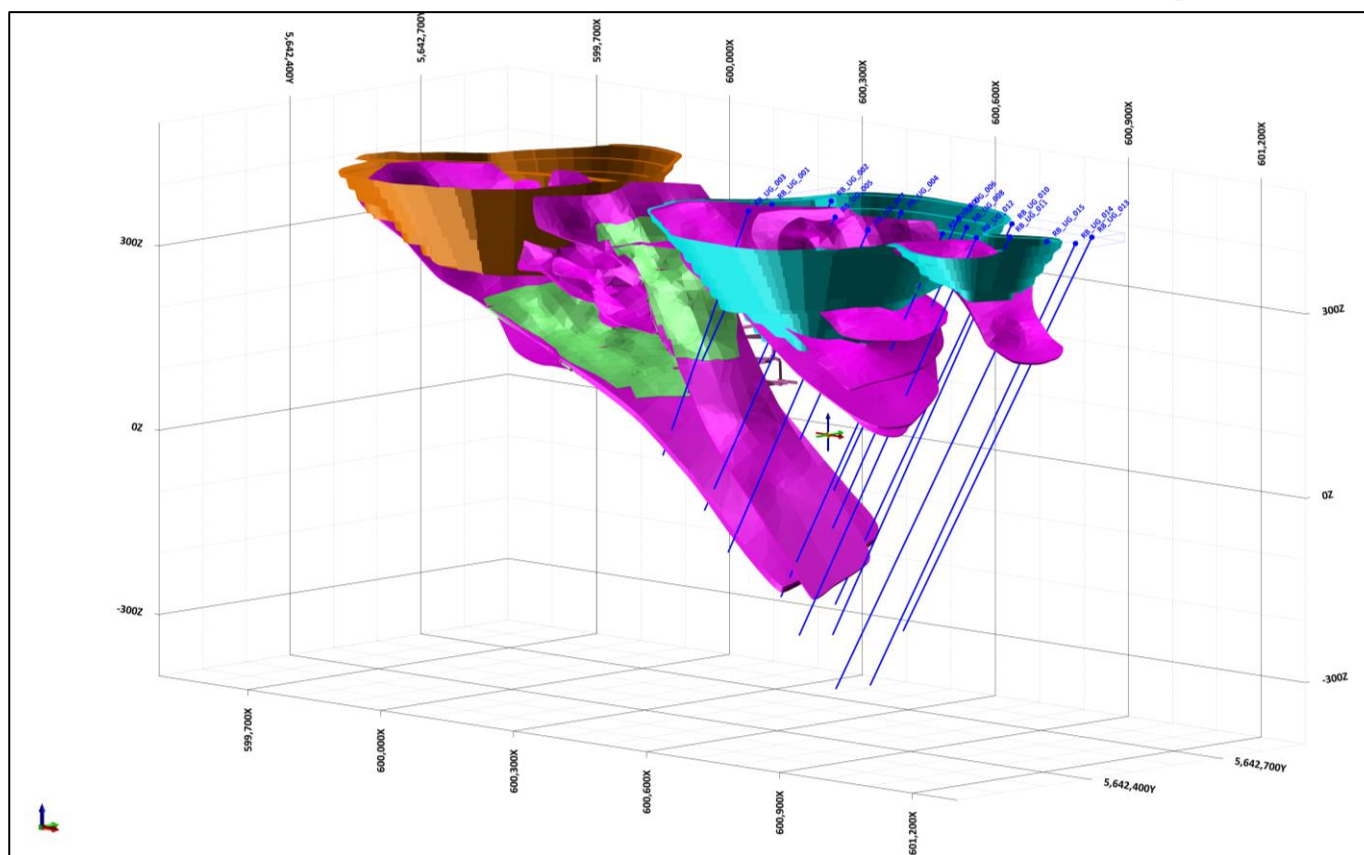
- RB-23-044: **11.1m @ 1.18% Li<sub>2</sub>O** from **440.6m**
- RB-23-1130: **18.4m @ 1.53% Li<sub>2</sub>O** from **580.1m<sup>3</sup>**

A revised Mineral Resource update will be prepared, pending receipt of all assays and the subsequent interpretation has been completed.



**Figure 2: Planned priority deep extension drill holes at Root Bay**

<sup>3</sup> Refer to ASX announcement: Extension drilling confirms mineralisation continuing at depth and thick high grade infill results, 11 October 2023.



**Figure 3: Planned deep extension drill holes at Root Bay (16 total)**

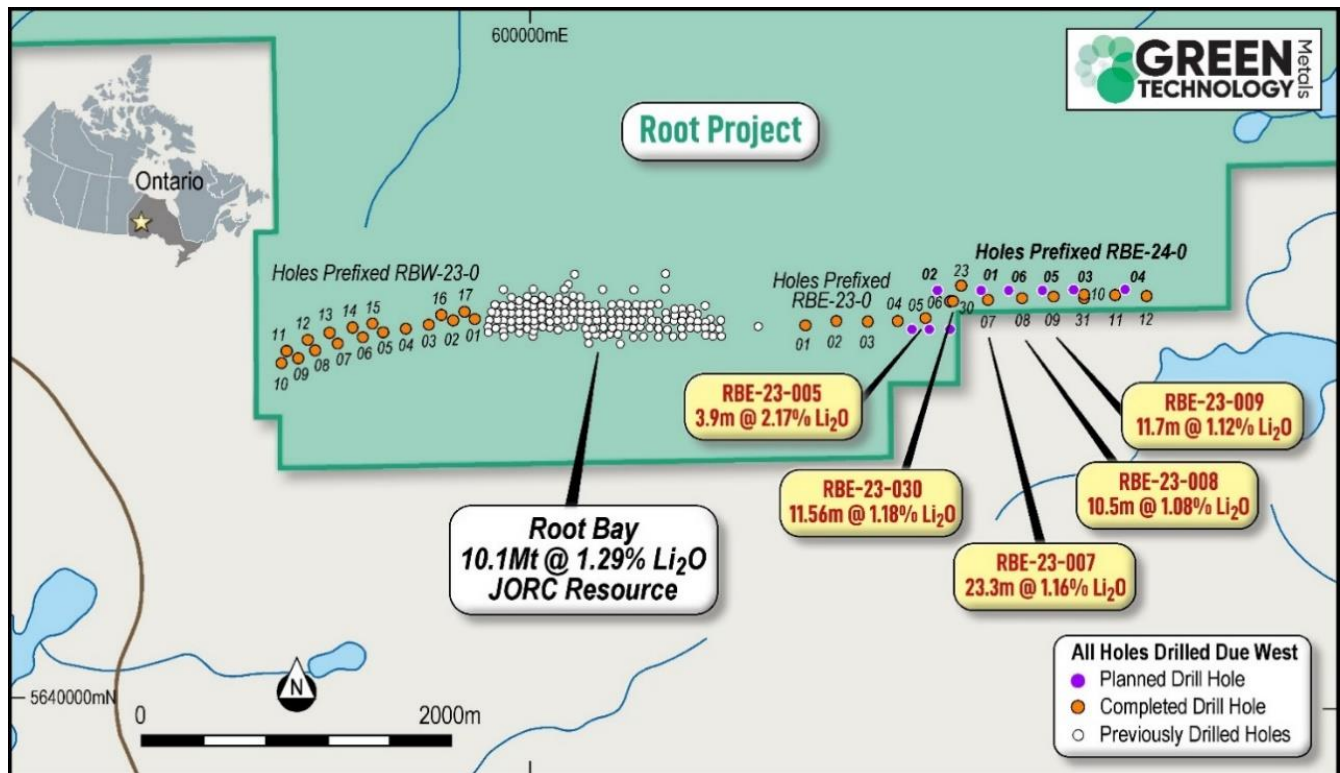
## Phase 2: Root Bay East

Following the Root Bay deep extension drilling in Phase 1, GT1 is planning a 4000m, 10-hole drilling program at Root Bay East, located 1.3km from the Root Bay deposit. This drilling intends to further delineate the pegmatite extents identified at Root Bay East during its 2023 maiden diamond drilling program. The 2023 campaign showed common characteristics to the Root Bay deposit and consisted of 13 holes for 3,711m, resulting in several significant intercepts including:

- RBE-23-007: **23.3m @ 1.16% Li<sub>2</sub>O from 197.0m**
- RBE-23-009: **11.7m @ 1.12% Li<sub>2</sub>O from 216.3m**
- RBE-23-008: **10.5m @ 1.08% Li<sub>2</sub>O from 318.0m**
- RBE-23-005: **3.9m @ 2.17% Li<sub>2</sub>O from 188.7m<sup>4</sup>**

<sup>4</sup> Refer to ASX announcement New Discovery 1.3KM East of Root Bay Deposit LCT Spodumene Pegmatites, 22 November 2023.





**Figure 4: Root Bay East and West completed drill holes, including Root Bay East significant diamond drill results and new planned diamond drill program.**

## Indigenous Partner Acknowledgement

We would like to say Gchi Miigwech to our Indigenous partners. GT1 appreciates the opportunity to work in the Traditional Territory and remains committed to the recognition and respect of those who have lived, travelled, and gathered on the lands since time immemorial. Green Technology Metals is committed to stewarding Indigenous heritage and remains committed to building, fostering, and encouraging a respectful relationship with Indigenous Peoples based upon principles of mutual trust, respect, reciprocity, and collaboration in the spirit of reconciliation.

## KEY CONTACTS

This announcement was authorised for release by the Board of Directors

For further information please visit [www.greentm.com.au](http://www.greentm.com.au) or contact

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## Green Technology Metals (ASX:GT1)

GT1 is a North American-focused lithium exploration and development business with a current global Mineral Resource estimate of 24.9Mt at 1.13% Li<sub>2</sub>O.

Project	Tonnes (Mt)	Li <sub>2</sub> O (%)
<b>Root Project</b>		
<b>Root Bay</b>		
Indicated	9.4	1.30
Inferred	0.7	1.14
<b>McCombe</b>		
Inferred	4.5	1.01
<b>Total</b>	<b>14.6</b>	<b>1.21</b>
<b>Seymour Project</b>		
<b>North Aubry</b>		
Indicated	6.1	1.25
Inferred	2.1	0.8
<b>South Aubry</b>		
Inferred	2.0	0.6
<b>Total</b>	<b>10.3</b>	<b>1.03</b>
<b>Combined Total</b>	<b>24.9</b>	<b>1.13</b>

The Company's main 100% owned Ontario lithium projects comprise high-grade, hard rock spodumene assets (Seymour, Root, Junior and Wisa) and lithium exploration claims (Allison, Falcon, Gathering, Pennock and Superb) located on highly prospective Archean Greenstone tenure in north-west Ontario, Canada. All sites are proximate to excellent existing infrastructure (including clean hydro power generation and transmission facilities), readily accessible by road, and with nearby rail delivering transport optionality. Targeted exploration across all three projects delivers outstanding potential to grow resources rapidly and substantially.



<sup>1</sup> For full details of the Seymour Mineral Resource estimate, see GT1 ASX release dated 21 November 2023, *Seymour Resource Confidence Increased - Amended*. For full details of the Root Mineral Resource estimate, see GT1 ASX release 18 October 2023,

*Significant resource and confidence level increase at Root, Global Resource Inventory now at 24.5Mt. 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.*

## **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 21 November 2023. 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.

The information in this report relating to the Mineral Resource estimate for the Root Project is extracted from the Company's ASX announcement dated 17 October 2023. 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.

### **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, tortuous, 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).