

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

MAIDEN DRILLING PROGRAM COMMENCING AT THE HIGHLY PROSPECTIVE JUNIOR LITHIUM PROJECT

HIGHLIGHTS

- 6,900 metre diamond drilling program at the Junior Project, on the highly prospective Despard target area, to commence on 11 November 2024, clearing and access road development underway
- Drilling will be over two 3,450 metre programs, with the second phase, contingent on the success of the first phase priority exploration targets
- The Junior Project is the next part of the Eastern Hub development strategy and Resource growth will play a critical role in delivering long term feed to the planned Seymour concentrator
- Recent field exploration at the Despard Prospect has identified significant pegmatite material over a 750m strike extent and a new zone containing LCT pegmatite, discovered and mapped along 200 meters of strike, south-west to the pegmatite within the Main Zone
- Recent rock chip assays from pegmatites at surface returned grades as high as 5.06% Li₂O at Despard¹
- Exploration groundwork at Junior continues to show strong lithium grades and multiple pegmatite occurrences, indicating a possible stacked pegmatite system

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

"We are excited to start the maiden drilling program at the highly prospective Junior Project. This drilling program has been prioritised to commence this year as it is a part of the Company's flow-through spend commitments for this calendar year.

The Junior Project carries a rich history and field exploration success over the past two years by the GT1 exploration team, has further validated its potential. The Junior Project is an important part of our Eastern Hub development strategy and advancing resource development here will be instrumental in providing long-term feed for the planned concentrator at the Seymour Project."

- GT1 Managing Director, Cameron Henry

¹ Refer to ASX announcement 'Field Exploration Success and Maiden Exploration Target at the Junior Lithium Project' 3 September 2024

JUNIOR LITHIUM PROJECT

The Junior Project, covering 10,856 hectares (108.5 km²), has an exploration target of **4.0–9.0 Mt at 1.0–1.5% Li₂O**^{*2}. It includes three drill-ready LCT pegmatite occurrences: Despard, Tape, and Swole (see Figure 1). Situated within the Eastern Hub and close to the proposed Seymour mine and concentrator, the project holds strong potential to provide additional nearby feedstock and potentially contribute to extending the lifespan of the mine.

**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.*

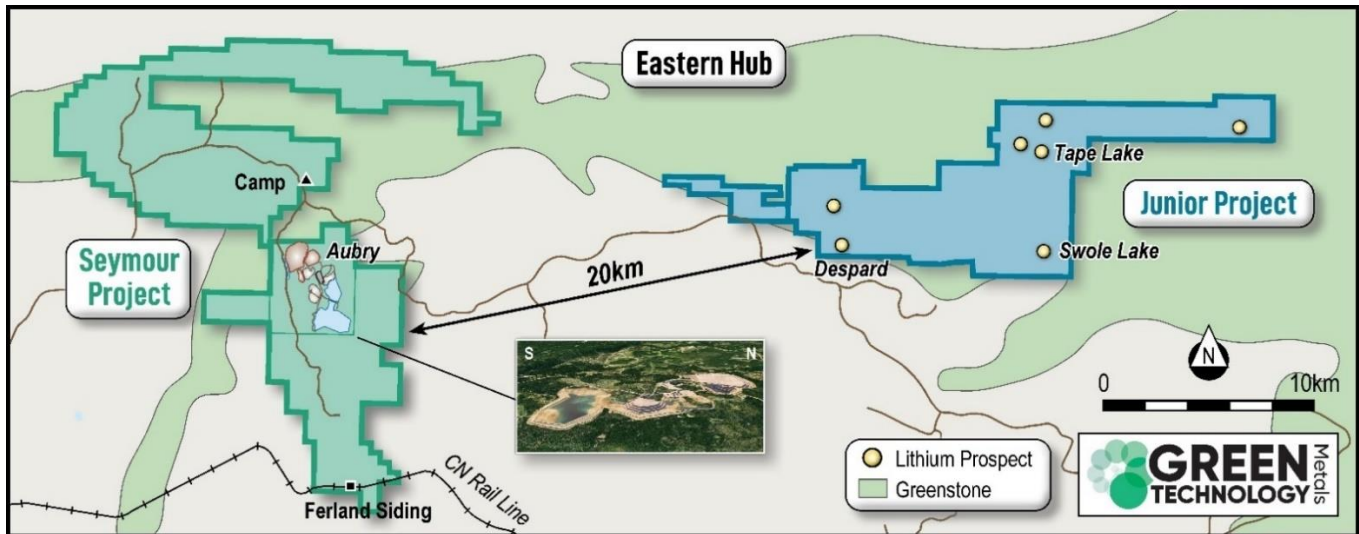


Figure 1. Geographical position to Seymour and Prospects

MAIDEN DRILL PROGRAM - DESPARD

Phase 1 exploration drilling at the Despard prospect area is set to begin on 11 November 2024, targeting 3,450 meters at the Main Zone. If successful, Phase 2 will follow, committing an additional 3,450 meters of drilling to test across priority areas 2 and 3, as shown in Figure 2.

² Refer to ASX announcement 'Field Exploration Success and Maiden Exploration Target at the Junior Lithium Project' 3 September 2024

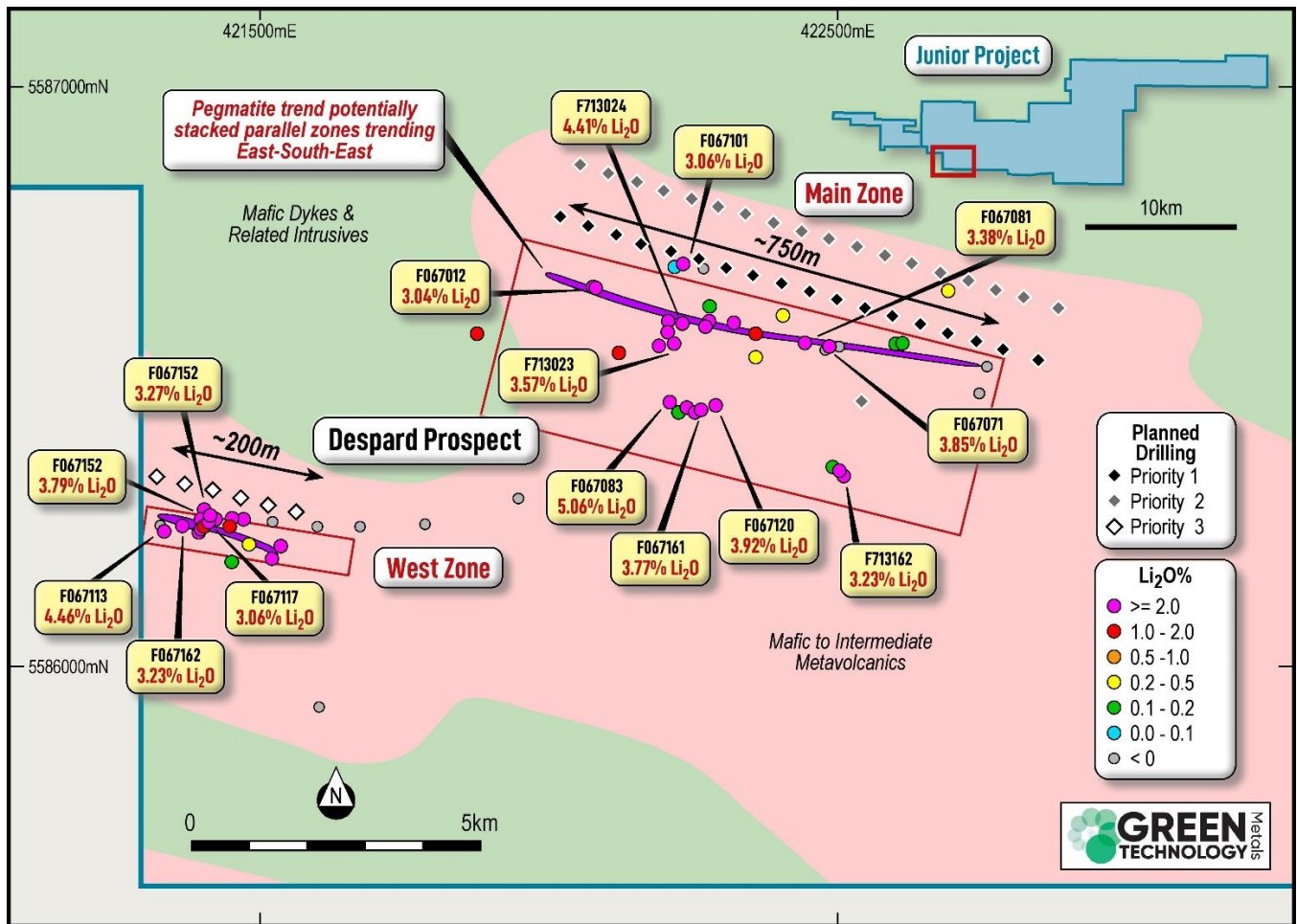


Figure 2. Despard Prospect area proposed drill program and target areas showing high-grade rock chip sample results

DESPARD

Exploration at Despard has identified a mineralised boulder field with pegmatite rocks in two locations, now classified as the Main and West Zones (Figure 2). The Main Zone, discovered last year, aligns with historical (Sogemine) 1950s drill results showing pegmatite intercepts over 19 meters thick. The recent field season has extended mapping up to ~750 meters, with rock chip assays showing grades up to 5.06% Li₂O, suggesting a likely stacked trend to the East-South-East.

Additionally, the newly discovered West Zone has been mapped along 200 meters of strike, with rock chip samples showing grades up to 4.46% Li₂O. Further significant rock chip sampling results returned include:

Significant rock chip previously reported (refer to ASX announcement 'Field Exploration Success and Maiden Exploration Target at the Junior Lithium Project' 3 September 2024) from Despard include:

Sample ID	Name	Northing	Easting	Type	Li ₂ O %
F067083	Main Zone	5586455	422215	Float	5.06
F067024	Main Zone	5586597	422231	Float	4.41
F067120	Main Zone	5586456	422287	Float	3.92
F067071	Main Zone	5586559	422504	Float	3.85
F067161	Main Zone	5586444	422250	Float	3.77
F067023	Main Zone	5586562	422215	Float	3.49
F067081	Main Zone	5586564	422460	Outcrop	3.38
F067101	Main Zone	5586704	422232	Outcrop	3.06
F067012	Main Zone	5586657	422081	Subcrop	3.04
F067113	West Zone	5586232	421337	Float	4.46

F067153	West Zone	5586252	421400	Float	3.79
F067152	West Zone	5586252	421400	Float	3.27
F713162	West Zone	5586337	422507	Float	3.23
F067117	West Zone	5586248	421415	Float	3.06
F067156	West Zone	5586253	421453	Float	2.97
F067157	West Zone	5586251	421472	Float	2.86
F067154	West Zone	5586260	421413	Float	2.80
F067151	West Zone	5586231	421396	Float	2.54

Table 2: Significant rock chip sample results from 'Main Zone' and 'West Zone' at the Despard Prospect, Junior Project



Figure 3. Spodumene-bearing Pegmatite Outcrops located on Main Zone at Despard (Northing 5586703, Easting 422232)

Indigenous Partners 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.

This announcement was authorised for release by the Board of Directors

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APPENDIX A: IMPORTANT NOTICES

Competent Person's Statements

The information in this report that relates to the Exploration Target for the Junior Project is based on, and fairly represents, information and supporting documentation either compiled or reviewed by Mr Stephen John Winterbottom who is a member of Australian Institute of Geoscientists (Member 6112). Mr Winterbottom is the General Manager – Technical Services of Green Technology Metals. Mr Winterbottom has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person (CP) as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Winterbottom consents to the inclusion in the report of the matters based on his information in the form and context in which it appears. Mr Winterbottom holds securities in the Company.

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 announcements dated 18 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, 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).

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% Li₂O.

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

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.



¹ 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.

