



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

Investor Presentation – RIU Resurgence Conference
November 2022

ASX | GT1

OUR CORE STRATEGY

To become a vertically integrated lithium business



We are targeting rapid definition of a baseload, high-grade Mineral Resource through an aggressive exploration program

- Flagship Seymour Project already delivering immediate success
- Second project Root now online and drilling underway
- Additional results are expected in the coming months to further increase our resource base



We aren't doing this alone, we have partnered with some of the top lithium mining experts in the world and continue to expand our network

- Collaboration with **Lithium Americas** for development of a complete hard rock strategy in North America
- In close partnership with the worlds largest Lithium process facility builder **Primero Group**
- Strong strategic partner **AMCI** to assist with the financial backing we need to accelerate development



We believe the full potential of our mineral endowment will be unlocked through pit to product lithium business development

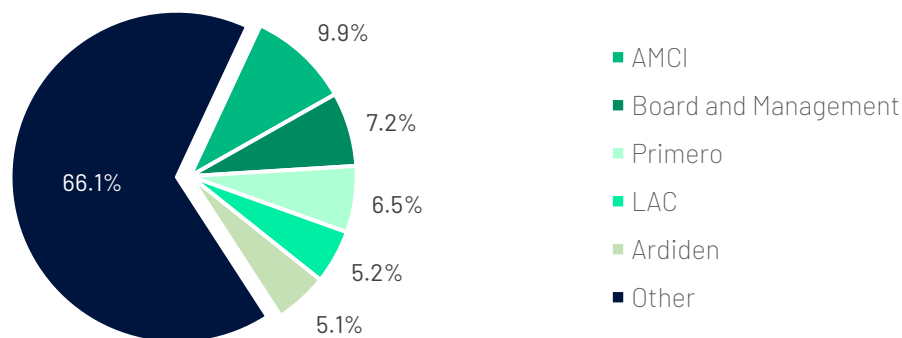
- We have everything we need to accelerate development to become a vertically integrated lithium business.
- We will unlock our value taking this all the way down the supply chain all the way from exploration.



CORPORATE SNAPSHOT



SHARE REGISTER



BROKER RESEARCH COVERAGE



Canaccord Genuity
(Australia) Limited

Coverage Date: 25 October 2022

Analyst: Tim Hoff
Senior Mining Analyst



Bell Potter
Securities

Coverage Date: 31 October 2022

Analyst: Stuart Howe
Senior Analyst



As at 22 November 2022, Cash balance as at 30 September 2022 less A\$16m payment to Ardiden Limited

COMPANY OVERVIEW

GT1 is well positioned to become the first integrated Lithium chemical producer in the Ontario region

Located in a Tier-1, low risk mining jurisdiction

- Surrounded by excellent existing infrastructure
- Prime position to support the North American EV market
- Supportive and proactive Government

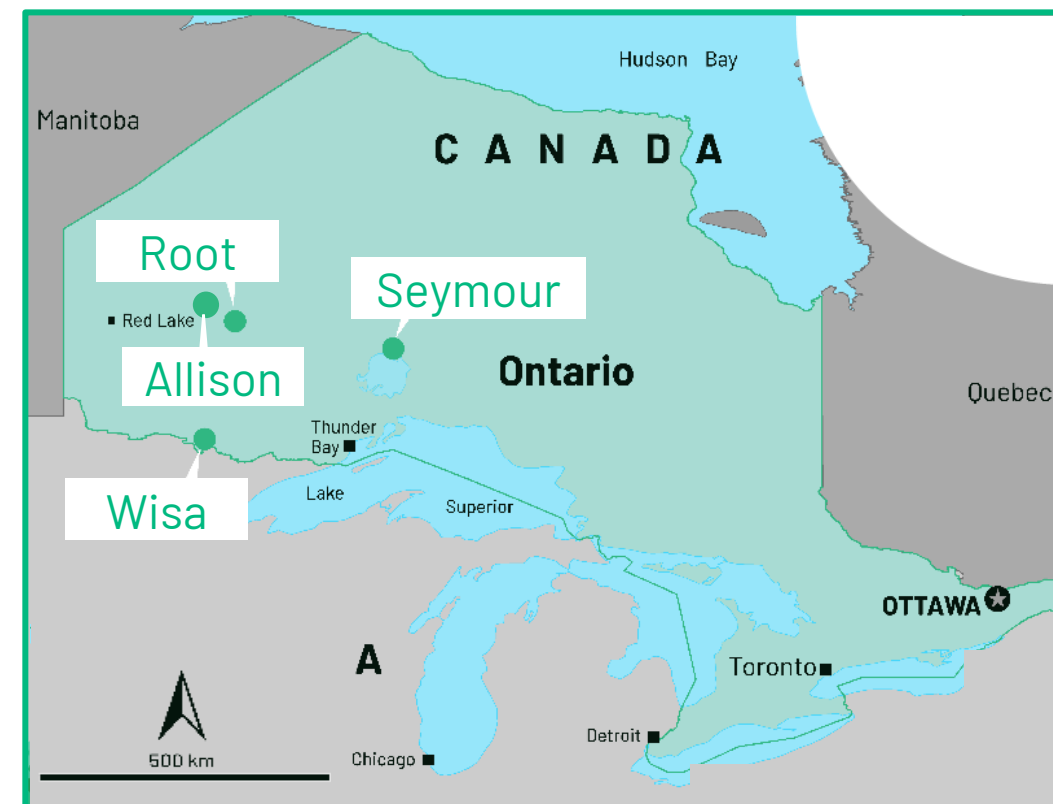
Established, highly experienced local team in Thunder Bay, Ontario

100% owned projects with a de-risked development pathway

Moving from an Explorer to Developer with multiple works streams running in parallel while we rapidly grow our resources and develop our path to production

2 projects now online with 4 drill rigs spinning 24/7

- Updated Resource for Seymour and Maiden JORC compliant resource for Root coming next quarter
- Further exploration work commenced on GT1's large 41k Ha tenement holding



9.9 Mt

SEYMOUR JORC
MINERAL RESOURCE
ESTIMATE

1.04%

AVERAGE Li_2O GRADE
WITH INDICATED
5.2 Mt @ 1.29%

4 AREAS

SEYMOUR, ROOT,
WISA AND ALISON
PROJECT AREAS

41k Ha

CLAIM BASE IN
PRIME PEGMATITE
COUNTRY

50 – 60 Mt

0.8 to 1.5% Li_2O
EXPLORATION
TARGET ACROSS
PRIMARY SITES



The potential quantity and grade of Exploration Targets is conceptual in nature, there has been insufficient exploration to estimate a Mineral Resource in these areas and it is uncertain if further exploration will result in the estimation of a Mineral Resource in these areas. For detail refer to Appendix: Exploration Targets and to ASX release dated 23 June 2022, "Interim Seymour Mineral Resource Doubles".

BEST-IN-CLASS LITHIUM TEAM

Strong Board with proven track record of rapidly advancing and delivering lithium projects globally

BOARD OF DIRECTORS



JOHN YOUNG
Non-Executive
Chairman

- Highly experienced geologist
- Co-founder and previous Executive Director of Pilbara Minerals Ltd a A\$13b lithium company
- Current Non-Executive Chairman of RareX Limited, Executive Director of Trek Metals Limited



CAMERON HENRY
Non-Executive
Director

- Founding Managing Director of Primero Group, the worlds largest Lithium process facility builder
- Over 20 years experience in development and delivery of global minerals processing, energy and NPI projects
- Current Non-Executive Director of RareX Limited



PATRICK MURPHY
Non-Executive
Director

- Managing Director at AMCI Group, an experienced investment firm with a portfolio of exploration and development interests
- 14 years experience at AMCI and investment bank, Macquarie



ROB LONGLEY
Non-Executive
Director

- Geologist with +20 years experience in global resources across a range of commodities
- Managing Director of Asra Minerals, previously CEO/MD of Ardiden and GM Geology at Sundance Resources

EXECUTIVE MANAGEMENT



LUKE COX
Chief Executive
Officer

- Geologist and mine manager with 25 years industry experience including Li, Ni and Co projects and operations
- Led global exploration, mining and financing initiatives



MATT HERBERT
Chief Operating
Officer

- Exploration Manager and OPF Processing Manager with +20 years experience
- 14 years with Rio Tinto and FMG in management roles



LEVERAGE STRATEGIC PARTNERSHIPS

We aren't doing this alone, we have partnered with some of the top lithium experts in the world and we are continuing to establish the group

PRIMERO

Founding cornerstone;
6.5% shareholder

- Highly experienced in hard rock lithium mineral processing globally
- Developed hard rock lithium concentration and conversion facilities
- Full asset life-cycle delivery through feasibility, design, construction and operation

LithiumAmericas

Strategic investment and
collaboration
5.2% shareholder

- Strategic collaboration agreement executed for development of a complete hard rock strategy in North America
- Shared expertise to build a pre-eminent vertically integrated lithium chemicals business in North America
- Access to new projects and funds in North America

AMCI

Founding cornerstone;
9.9% shareholder

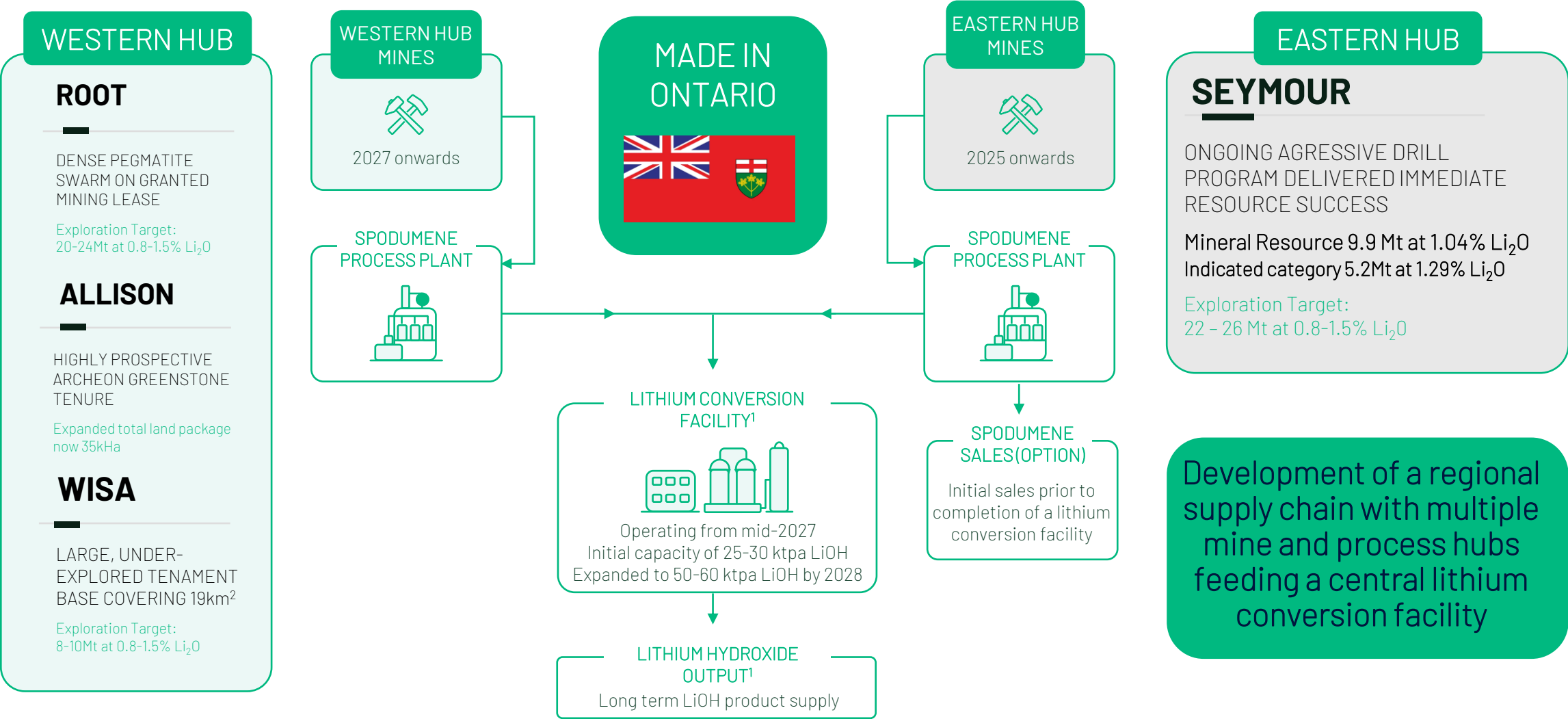
- Strong strategic partner to assist with the financial backing to accelerate development
- Major international mine owner, operator, marketer and strategic equity investor to the natural resource industry
- Track record of funding developments into operations.

Downstream Investment and partnering process

- North American focussed
- Conversion/ CAM / Battery Assembly / OEM's
- Understanding of midstream and downstream supply chain
- Capability and links to strong funding
- Offtake and equity offerings



COMPANY STRATEGY – BUILD THE SUPPLY CHAIN

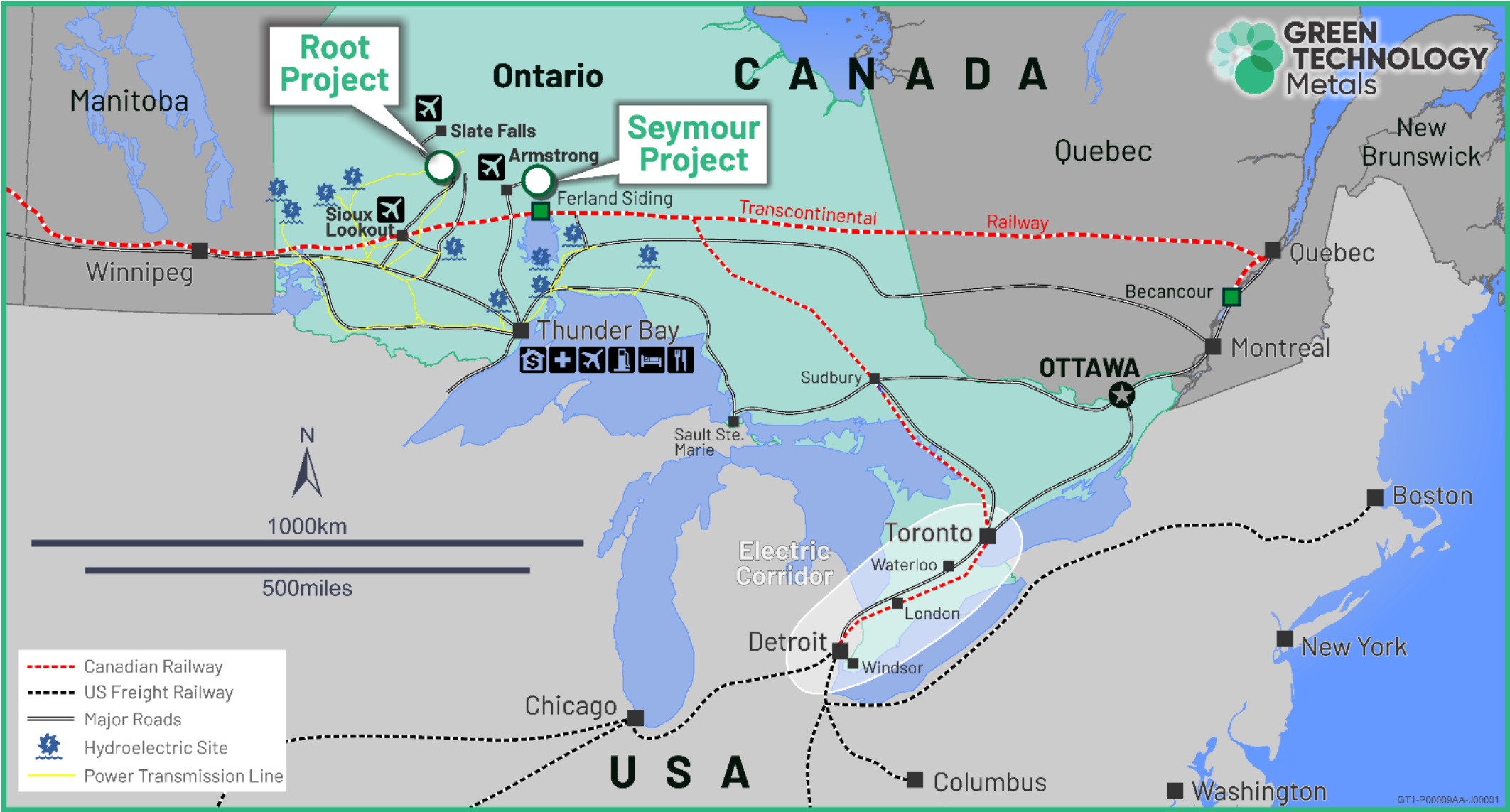


1. The potential quantity and grade of Exploration Targets is estimation conceptual in nature, there has been insufficient exploration to estimate a Mineral Resource in these areas and it is uncertain if further exploration will result in the of a Mineral Resource in these areas. For detail refer to Appendix: Exploration Targets.

2. Potential lithium chemical conversion facility capacities presented are to be evaluated by the Company as part of its downstream and integrated feasibility study work, which is targeted for completion in H1 CY24. The numbers are not projections of future production and investors are cautioned not to rely on the potential plant capacities as being indicative of forecast production volumes.



INFRASTRUCTURE CORRIDOR



WHY ONTARIO?

ACADEMIC PARTNERS AND SKILLED LOCAL WORKFORCE



- Lakehead University - Funding the NOHFC Industrial Research Chair in Critical Minerals (Lithium)
- Confederation College - Supply trades and Indigenous work force training

Ensuring we are helping to provide the right education for the positions we are creating at the time our mine reaches its production phase

STRONG COMMUNITY AND GOVERNMENT SUPPORT



- First Nations and Indigenous communities' engagement
- MOU with Whitesand First Nation, Slate Falls and Lac Seul FN's
- Access to local suppliers including FN and FNJV companies
- Engagement with Government agencies with an aligned strategy for Ontario's critical minerals sector and the creation of jobs

ACTIVE SPONSORSHIP COMMITMENTS IN THE THUNDER BAY COMMUNITY



- Thunder Bay Dew Drop Soup Kitchen and monthly meal sponsorship
- Womens Broomball Tournament and Sioux Lookout Baseball Tournament
- Whitesand First Nation Summer Student Program and Thunder Bay Region Health Sciences Foundation
- Mazinaajim Thunder Bay "Honouring Our Children" Reconciliation Run



ESTABLISHED THE FOUNDATIONS IN ONTARIO

OPERATIONS HUB SET-UP IN THUNDER BAY

Central point between our projects allowing us to run our operations efficiently and continue to expand our team to support the development of GT1

HIGHLY EXPERIENCED LOCAL TEAM ON THE GROUND

Our team in Canada already have an established network locally, the key to fast-tracking our development through permitting, drilling and construction.

JOHN WINTERBOTTOM

General Manager
Technical Services

- Geologist with +30 years experience in mining and exploration over a wide range of hard rock minerals
- Managed exploration and project teams transitioning assets from greenfield concept targets right through to operations

NATHAN SIMS

Exploration Manager

- Exploration Manager specialising in the Ontario Green Stone belt with prior experience in GT1 projects
- +15 years managing exploration projects in Thunder Bay, Ontario

ANDREA JOHNSTONE

ESG Manager

- Environment and governance managerial experience across large scale mining operations in Australia and Canada
- +10 years with FMG in management roles

DARRYL BOYD

Permitting Manager

- 25 years experience in mining sector in roles related to project management, permitting and compliance
- Extensive experience in Canadian Government permitting processes

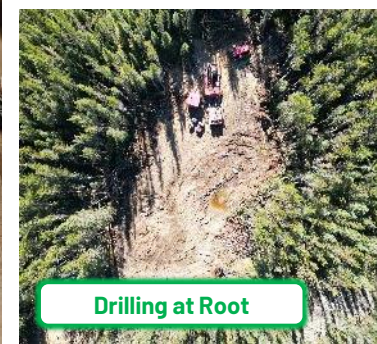


12 MONTHS OF PROGRESS – MILESTONES

Positioned to become the first lithium hydroxide producer in the Ontario region

Completed Milestones

- ✓ \$24M raised through IPO
- ✓ Construction completed for 30-person camp at Seymour
- ✓ Land holding expanded from 10k to 40k Hectares
- ✓ Successful \$55M Capital Raise
- ✓ New Cornerstone Investor Lithium Americas
- ✓ Metallurgical test work commenced
- ✓ Seymour Resource doubled
- ✓ 20-person camp built at Root to support drilling through winter
- ✓ Drilling commenced at Root
- ✓ 100% Ownership of all Projects
- ✓ Root Royalty Extinguished
- ✓ New Discovery: Blue Bear



1. Refer to announcement "New Discovery at Seymour" 9 November 2022.

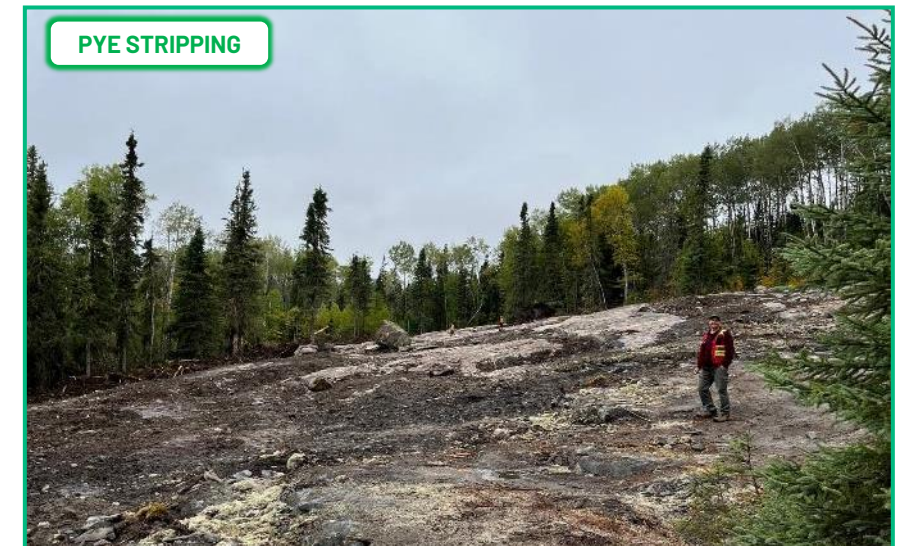
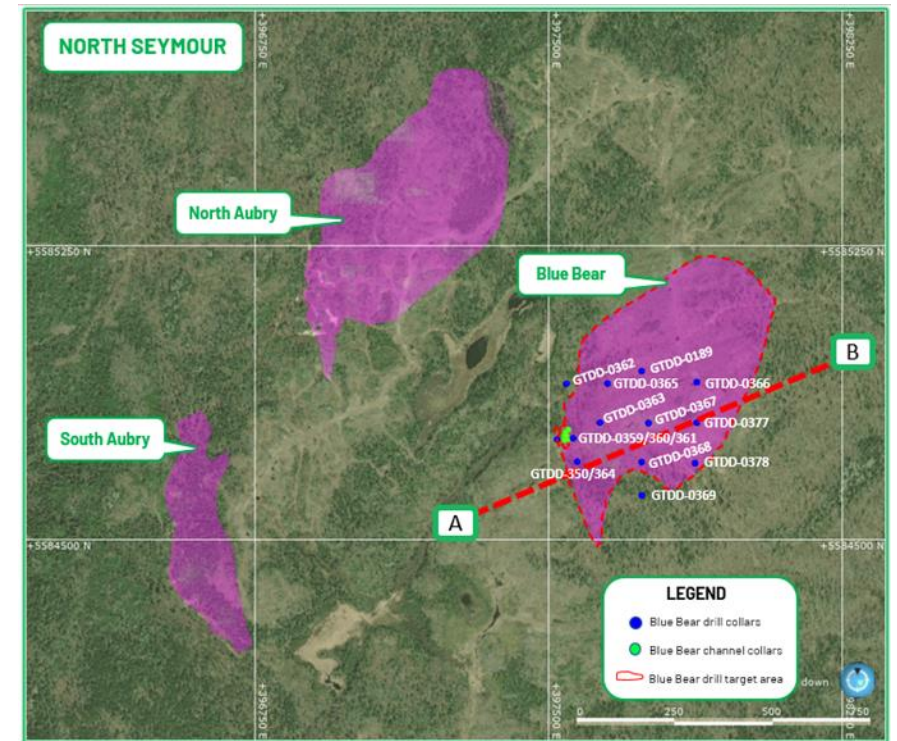
SEYMOUR PROJECT

AUBRY COMPLEX

- Initial drill program delivered immediate success; approximate **doubling of existing resource to 9.9Mt @ 1.04 Li₂O**
- Recent extensional **intersections considerably thicker than modelled**
- Drilling underway, **16,119m completed** to date
- Targeting extensions along strike and to the north of known mineralisation

PYE COMPLEX

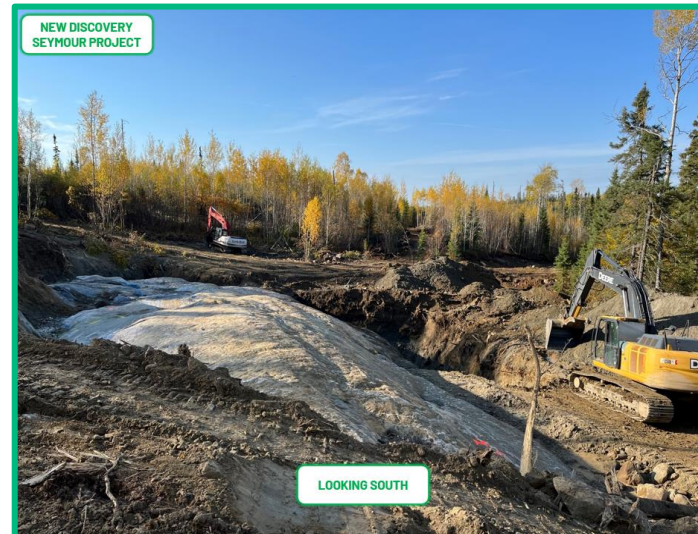
- Located ~1km east of the Aubry system, Drilling underway **4,526m completed** to date
- Interpreted syn-form structure "*West and East Limb*"
- East Limb - Drill confirmed fractionated LCT pegmatite, drilling now targeting significant N-S strike length
- West Limb - Mapping confirmed fractionated LCT pegmatites associated with magnetic breaks and drilling commenced Channel sampling has returned 2.38% at 12.4m



SEYMOUR PROJECT

NEW DISCOVERY - BLUE BEAR

- First discovery at Seymour in 50 years
- Surface exposure (under thin cover), similar strike and geometry to North Aubry
- 14 diamond holes drilled to date, all intersecting pegmatite
- Channel sampling has returned 2.38% at 12.4m
- 6 holes have returned assays including;
 - GTDD-22-0350: 13.9m @ 1.53% Li_2O
 - GTDD-22-0360: 14.4m @ 1.30% Li_2O
- Ongoing diamond drilling and channel sampling now rapidly delineating the Blue Bear deposit
- Second diamond rig undertaking sterilisation drilling for Seymour plant site and infrastructure



1. GTDD-22-0350 example of coarse spodumene crystal laths within pegmatite mass (13.9m @ 1.53% Li_2O) Refer to announcement "New Discovery at Seymour" 9 November 2022.

ROOT PROJECT

Drilling commenced, Initial 24,000m Planned

MCCOMBE DEPOSIT

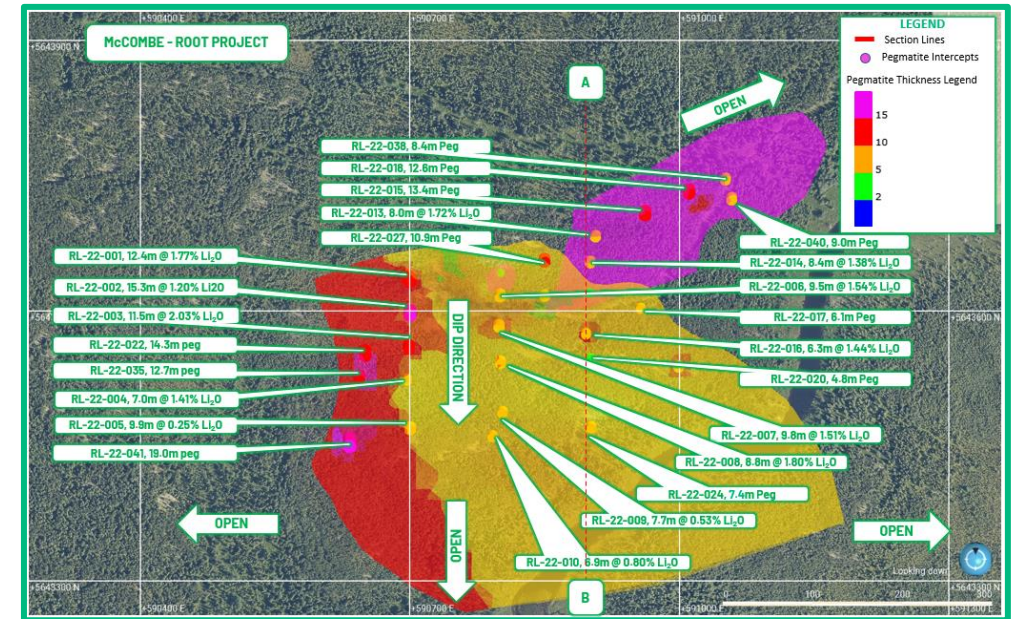
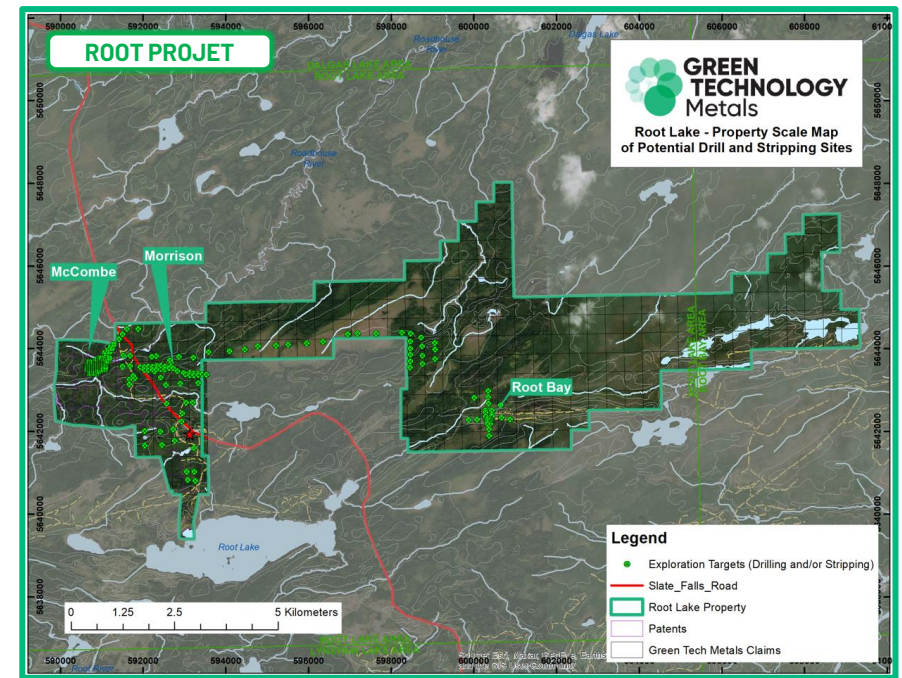
- Exceptional high-grade drill success at McCombe deposit - Highest Grade Drill Intercept to date 4.06% Li_2O
- Resource drilling underway, 31 holes completed
- Fast-tracking Maiden Mineral Resource estimate for Q1 2023
- Extensional drilling in progress with strong visual spodumene logged in pegmatite intercepts; 9 holes completed, assays pending

MORRISON

- Historical drilling delineated several kilometers of Spodumene LCT pegmatites
- Open along strike and down dip
- Recent mapping located additional LCT pegmatites to the north

ROOT BAY

- Exposed LCT Pegmatite surface, No historical drilling
- Channel sample returned 14m @ 1.67% Li_2O including 3m at 2.24% Li_2O
- Fine grade Spodumene occurrences 300m west of Channel sample

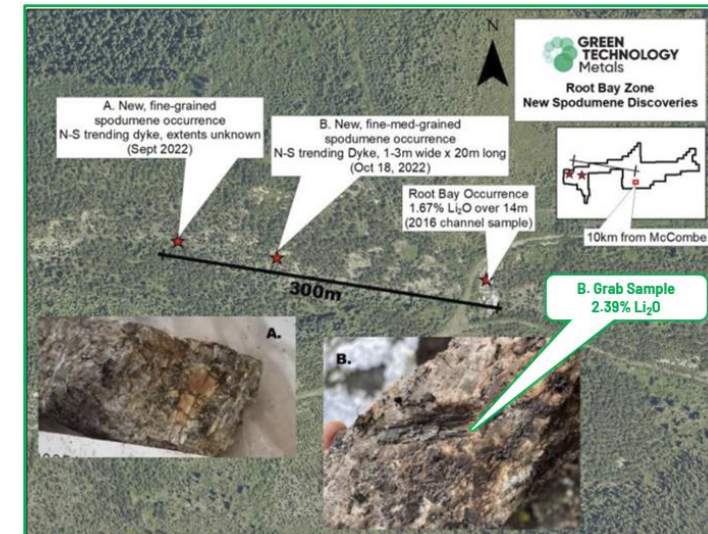
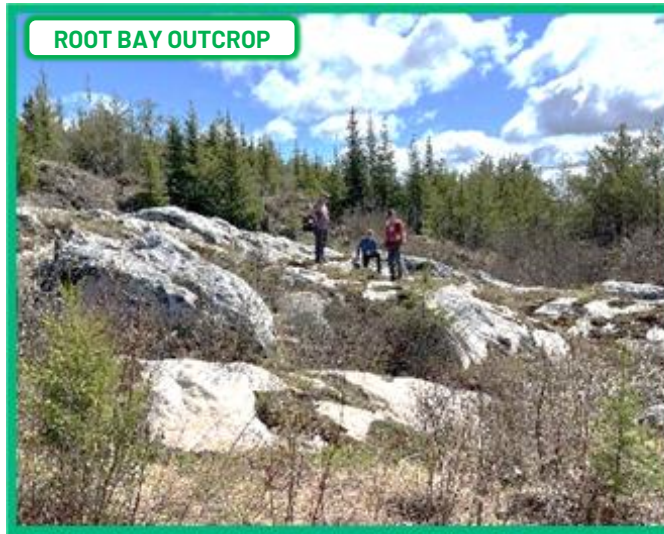


ROOT PROJECT

BIGGER, THICKER & HIGHER GRADE

- McCombe historical resource was modelled as multiple thinner dykes, now its confirmed as one larger, thicker, shallower and higher-grade dyke
- McCombe pegmatite is a mass of coarse grained spodumene crystals
- No internal dilution with distinct contacts
- Drilling has now expanded the resource past the historical drilling with significant gains East-West and down dip

- Root Bay regional mapping has significantly expanded the prospective area along a 7km strike
- New spodumene pegmatite occurrences have been sampled along East-West trend
- Geophysical interpretation by SGC has delineated numerous targets within the Root Bay area, currently being followed up by field geologists
- Second diamond rig will move to Root Bay after initial drilling has delineated a resource at Morrison



STARTED PRELIMINARY ECONOMIC ASSESSMENT

Vertically Integrated from Mine to Converter

Advanced Scoping Study - Due Q1 2023

- Initial Resources **reported**
- Exploration targets, historical resources **being drilled**
- Mining and Non-Mining modifying factors **completed**
- Pit optimisations **completed**
- Initial mine physicals **developed**
- Multi mine strategy **confirmed**
- Mine concentrator and Infrastructure design **in development**
- Port facility due diligence **commenced**
- Port utilities and plant layout **commenced**
- Converter process design **in development**
- Cost/Physical and DCF model **developed**
- PEA technical report **commenced**

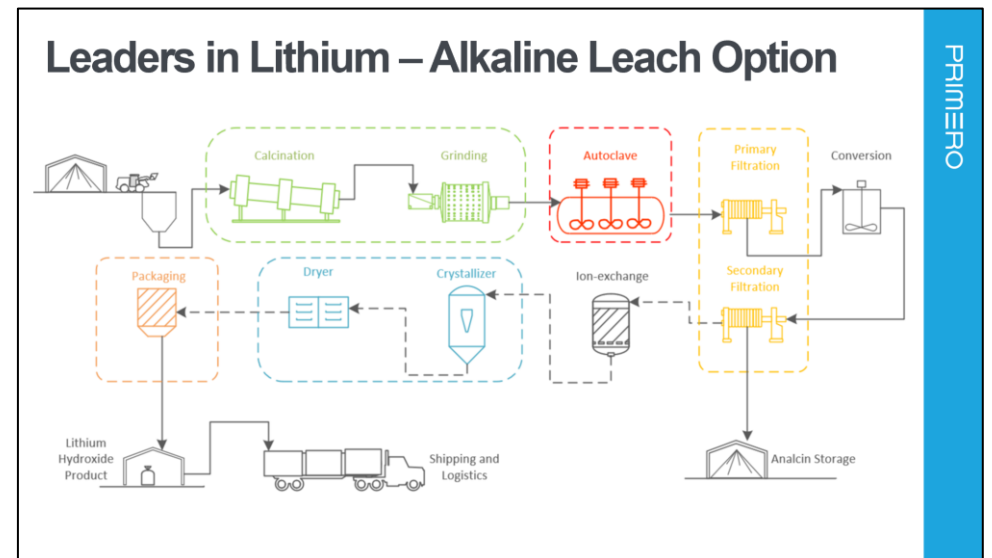
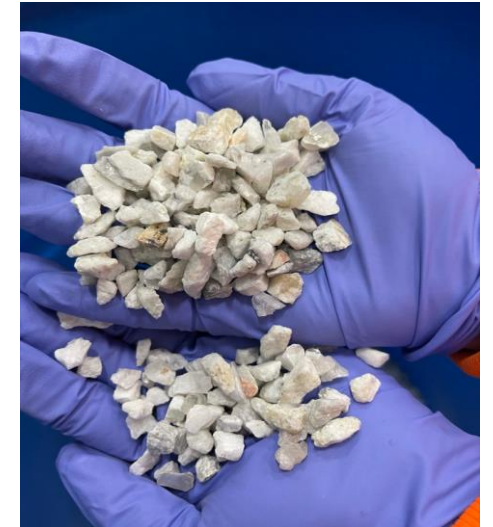


ACCELERATED METALLURGICAL TEST WORK

SGS Lakefield testing facility

Accelerated Test work Program

- Samples for PEA and FS level test work selected and shipped to SGS
- Heavy Liquid Separation test work to determine DMS crush size and need for back-end flotation plant
- Direct roll into variability test work (FS) with pilot-scale DMS
- Accelerated spodumene concentrate production (via DMS) to kick-start chemical plant test work
- Comparative conversion test work programmes for acid and alkaline leach routes – technology selection and optimization
- Environmental testing in parallel with test work program to support permitting



ACCELERATE DEVELOPMENT

First spodumene production targeted by mid-2025



1. Dates referenced are indicative

MARKET UPDATE

Lithium supply crunch on unprecedented scale

North America supply chain is in its infancy, major ramifications for downstream supply

- U.S. Inflation Reduction Act 2022 - \$369 Billion towards green energy infrastructure and projects
- Canada about to release a new critical minerals strategy and are taking steps for a similar IRA to the U.S.
- GT1 has been recognised by the Ontario government as having the strongest credentials to be the first mover in Ontario
- Canada is providing billions of dollars in public funds to the sector over the coming years through federal and provincial programs
- Defence Production Act (DPA)- U.S military is being asked to fund civilian Canadian projects to build more reliable supply chains of critical minerals
- GT1 are currently in discussions with multiple government agencies; NR Can, SIF EdC and Invest Canada for support and funding



WHAT TO EXPECT 6 MONTH LOOKAHEAD

Continued strategic development

- **DRILLING RESULTS**

Continued drilling results from both Seymour & Root projects and resource growth

- **NEW TARGETS**

Assessment and update of new targets at both properties

- **BASELINE STUDIES**

Commencement of baseline studies at Root, and updates on process at Seymour

- **PARTNERING UPDATE**

Corporate update on partnering process – government and strategic

- **TEAM EXPANSION**

Focusing on complete delivery strategy

- **PEA**

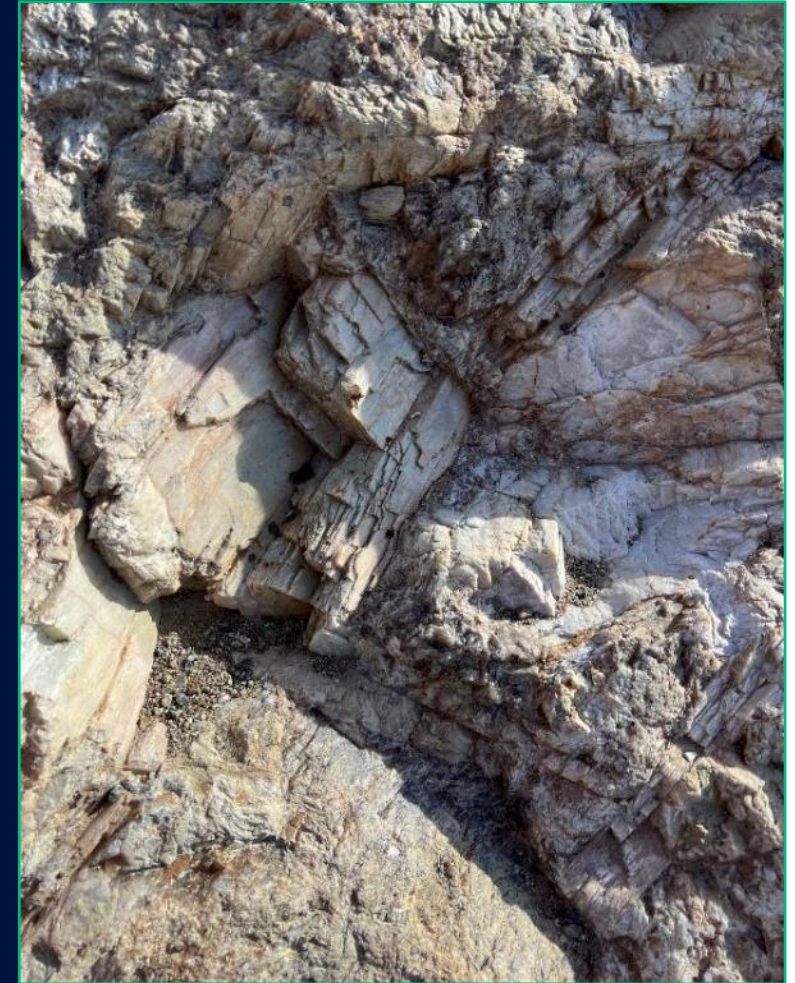
Delivery of integrated PEA for first phase of our supply chain

- **BULK SAMPLE**

Production of bulk samples for pre-qualification process

- **SUPPLY CHAIN STRATEGY**

Offtake and financing structure with view to FID on integrated supply chain strategy



Contacts



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ASX|GT1

OUR DELIVERY PLAN



Define



Partner



Unlock

APPENDIX | MINERAL RESOURCE ESTIMATE

Interim Mineral Resource update at Seymour follows completion of the successful Phase 1 drilling program at North Aubry

Seymour deposit	Mt	Li ₂ O (%)	Ta ₂ O ₅ (ppm)
North Aubry			
Indicated	5.2	1.29	161
Inferred	2.6	0.90	120
North Aubry total	7.8	1.17	148
South Aubry			
Inferred	2.1	0.5	90
South Aubry total	2.1	0.5	90
Global Seymour total	9.9	1.04	137

For full details of Mineral Resources estimates, please refer to ASX release dated 23 June 2022, "Interim Seymour Mineral Resource Doubles". Green Technology Metals confirms that it is not aware of any new information or data that materially affects the information included in the announcement. All material assumptions and technical parameters underpinning the estimates in those releases continue to apply and have not materially changed.



APPENDIX | DISCLAIMER

Important information: Green Technology Metals Limited (ASX GT1) ACN 648 657 649 (the "Company") is the issuer of this presentation.

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No New Information: The information in this release that relates to Mineral Resource Estimates for the Ontario Lithium Projects was released on the ASX dated 23 June 2022, "Interim Seymour Mineral Resource Doubles". 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 these estimates continue to apply and have not materially changed.



APPENDIX | EXPLORATION TARGETS

Qualifying Statement for the Exploration Targets

The potential quantity and grade 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

Geological Setting

All the Claims (Seymour, Root & Wisa) host lithium bearing pegmatites which sit within the fractioned lithium zone close to their magmatic source

Strike

Drilling, surface sampling, aerial ortho-mosaics and topographic mapping (LiDAR) have been used to determine the approximate strike length of the pegmatites

Depth

Drilling at Seymour and Root have confirmed the pegmatites can exceed 250m in depth, thus a depth of 500m has been applied

Thickness

Implicit Modelling has been utilised to determine the thickness of the pegmatites and then extrapolated along strike and down dip using the parameters mentioned above

Tonnage

Specific gravity of 2.78 has been applied to the implicit model volumes to determine the tonnage

Grade

The Seymour JORC Resource hosted Inferred grades ranging from 0.8 to 1.5% Li_2O , this has been used for the Exploration Targets

Exploration Activities

Exploration targets are planned to be tested by field mapping and drilling over the next 36 months



APPENDIX | COMPETENT PERSONS STATEMENT

The information in this presentation 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.

The information in this Presentation that relates to the Exploration Results 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 Presentation 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. The Company confirms there have been no material changes to exploration results since first reported in accordance with Listing Rule 5.7.

The information in this Presentation that relates to the Exploration Target at Seymour 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 Presentation 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.

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 Presentation 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.

The information in this Presentation that relates to the Exploration Target at Wisa 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 Presentation 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.

