



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

**Investor Presentation – Paydirt Conference**  
**March 2023**

ASX | GT1

ersonal use only

# BOARD AND MANAGEMENT

Extensive experience and 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



**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



**PATRICK MURPHY**

Non-Executive  
Director

Managing Director at  
AMCI Group, an  
experienced  
investment firm with a  
portfolio of  
exploration and  
development interests



**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

## MANAGEMENT TEAM

**LUKE COX**

Chief Executive Officer

Geologist and mine manager with 25 years industry experience including Li, Ni and Co projects and operations'

**MATT HERBERT**

Chief Operating Officer

Multi-commodity geologist with 20+ years experience in mining and processing that spans Australia, PNG and Canada

**NICK RATHJEN**

Head of Corporate  
Development

Commercial professional with more than 10 years' experience in equity capital markets and corporate development

**JOHN WINTERBOTTOM**

General Manager  
Technical Services

Geologist with +30 years experience in mining and exploration over a wide range of hard rock minerals.

**NATHAN SIMS**

Exploration Manager

Exploration Manager specialising in the Ontario Green Stone belt with prior experience in GT1 projects

# CORPORATE SNAPSHOT

**GT1**

ASX CODE

**\$0.61**

SHARE PRICE

**\$155M**

MARKET CAP

**\$125.2**

EV

**\$29.8M**

CASH

**\$0**

DEBT

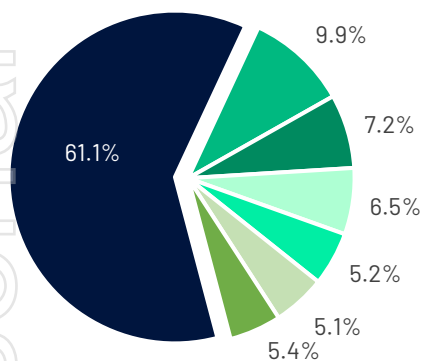
**253.9M** SHARES ON ISSUE

**5.8M** OPTIONS

**15.5M** PERFORMANCE RIGHTS



## SHARE REGISTER



- AMCI
- Board and Management
- Primero
- LAC
- Ardiden
- Waratah
- Other

As at 16 March 2023, cash balance as at 31 December 2022

## 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

# NORTH AMERICAN SUPPLY CHAIN

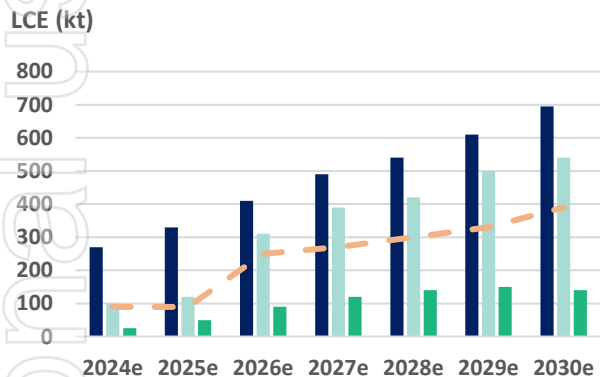
US Battery plants expected to require 40x current LiOH Capacity

Lithium-ion battery production capacity pipeline to 2030 increases to 8.1 TWh, tracking 372 plants globally

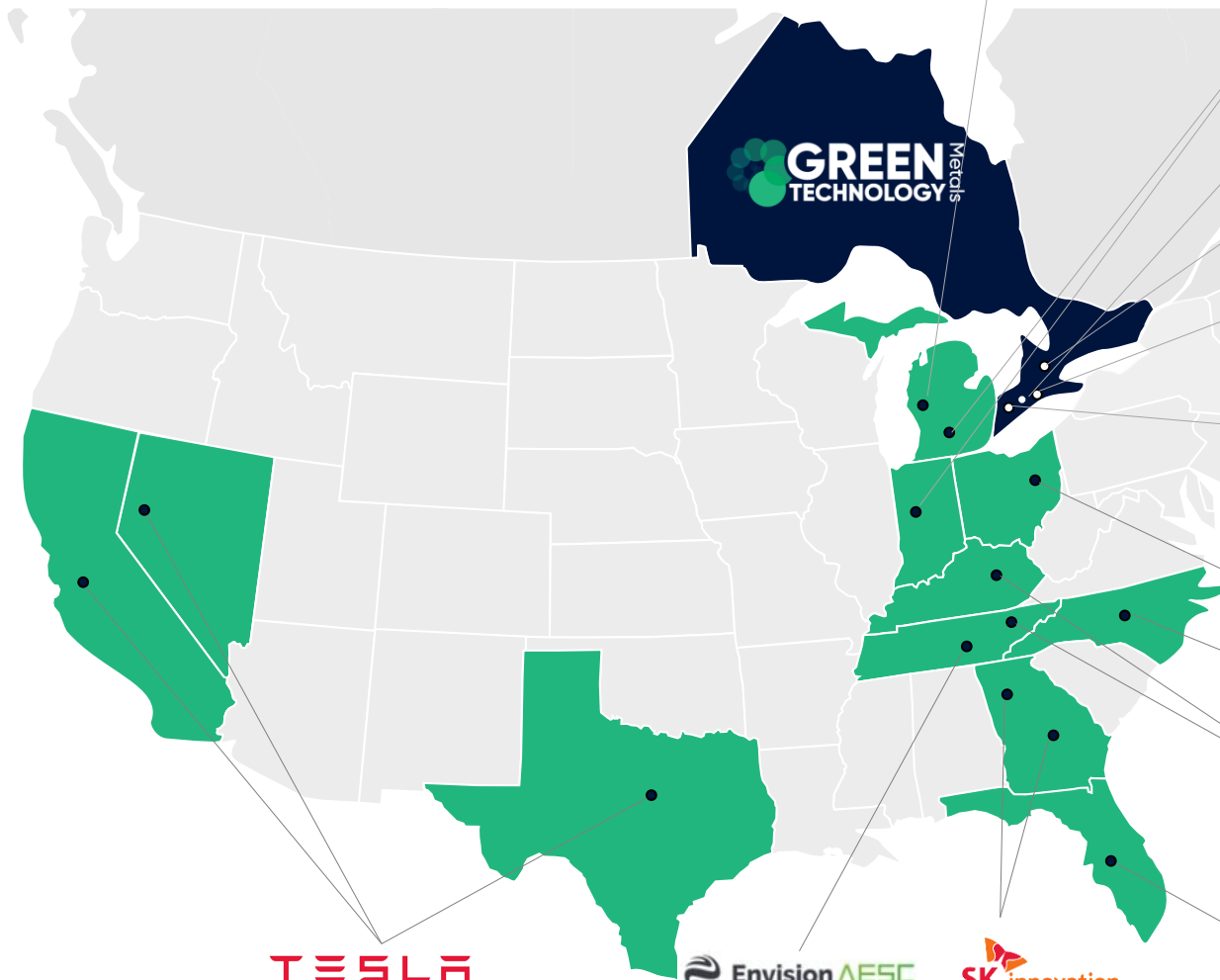
North American EV battery production forecast to reach 1 TWh annually by 2030

Even if production from known assets were to double against planned capacities, implied North American demand would exceed supply by 40%

## Implied North American lithium demand vs. potential US supply



■ CGe Implied NA LCE demand (planned Na Gigafactories)  
■ Required Lithium from NA and FTP (as per IRA)  
■ CGe Potential US LCE Supply  
■ Shortfall



**TESLA**

**TESLA:** Three operational plants. Texas 25GWh, Nevada 35 GWh

**Envision AESC**

**ENVISION AESC** \$2B Investment Capacity: **30GWh**

**SK innovation**

**SK INNOVATION:** Two plants in Georgia planned for 2022 and 2023 with capacity of **9.8 GWh** and **11.7 GWh**

**SAFT**

**SAFT** Capacity: **16GWh** advanced, automated lithium-ion battery factory in the world

**AKASOL**

**AKASOL \$5B Investment** Capacity: 45GWh

**LG Energy Solution**

**LG ES \$1.4B investment** Upgrading manufacturing plant to make Hybrid EV's

**VOLKSWAGEN**

St. Thomas in Ontario, Canada to establish Volkswagen's first overseas gigafactory for cell manufacturing

**HONDA**

**HONDA CANADA \$1.4B investment** Upgrading manufacturing plant to make Hybrid EV's

**gm**

**GENERAL MOTORS \$5B Investment** Upgrading CAMI plant to become Canada's first commercial EV manufacturing plant

**LG Energy Solution**  
**STELLANTIS**

**STELLANTIS AND LG ES** \$5B Investment towards automotive battery operations in Windsor, Ontario. **45 GWh, 2025**

**gm**

**LG Energy Solution**

**GENERAL MOTORS AND LG ES** Investing **\$2.6 Billion** to Build 3rd Ultium Cells Manufacturing Plant in Lansing **30 GWh, 2023**

**TOYOTA**

**TOYOTA \$3.8B investment,** automotive battery manufacturing plan **30GWh, 2025**

**Ford**

**SK innovation**

**FORD AND SK INNOVATION \$11.4B Investment** **140 GWh, 2025** Tennessee site will be Ford's largest, most advanced, most efficient auto production, while the new Battery Park in Kentucky will consist of twin battery plants powering a new line of North American EV's

1. Benchmark Mineral Intelligence, Canaccord Genuity and Company findings

# COMPANY OVERVIEW

Extensive Portfolio of targets in Tier-1 jurisdiction

## Tier-1, low risk mining jurisdiction

- Prime position to support the North American EV market
- Supportive and proactive Government

**Established, highly experienced local** team in Thunder Bay, Ontario

## Moving from an Explorer to Developer

works streams running in parallel while we rapidly grow our resources and develop our path to production

**9.9 Mt**

SEYMOUR JORC  
MINERAL RESOURCE  
ESTIMATE

**1.04%**

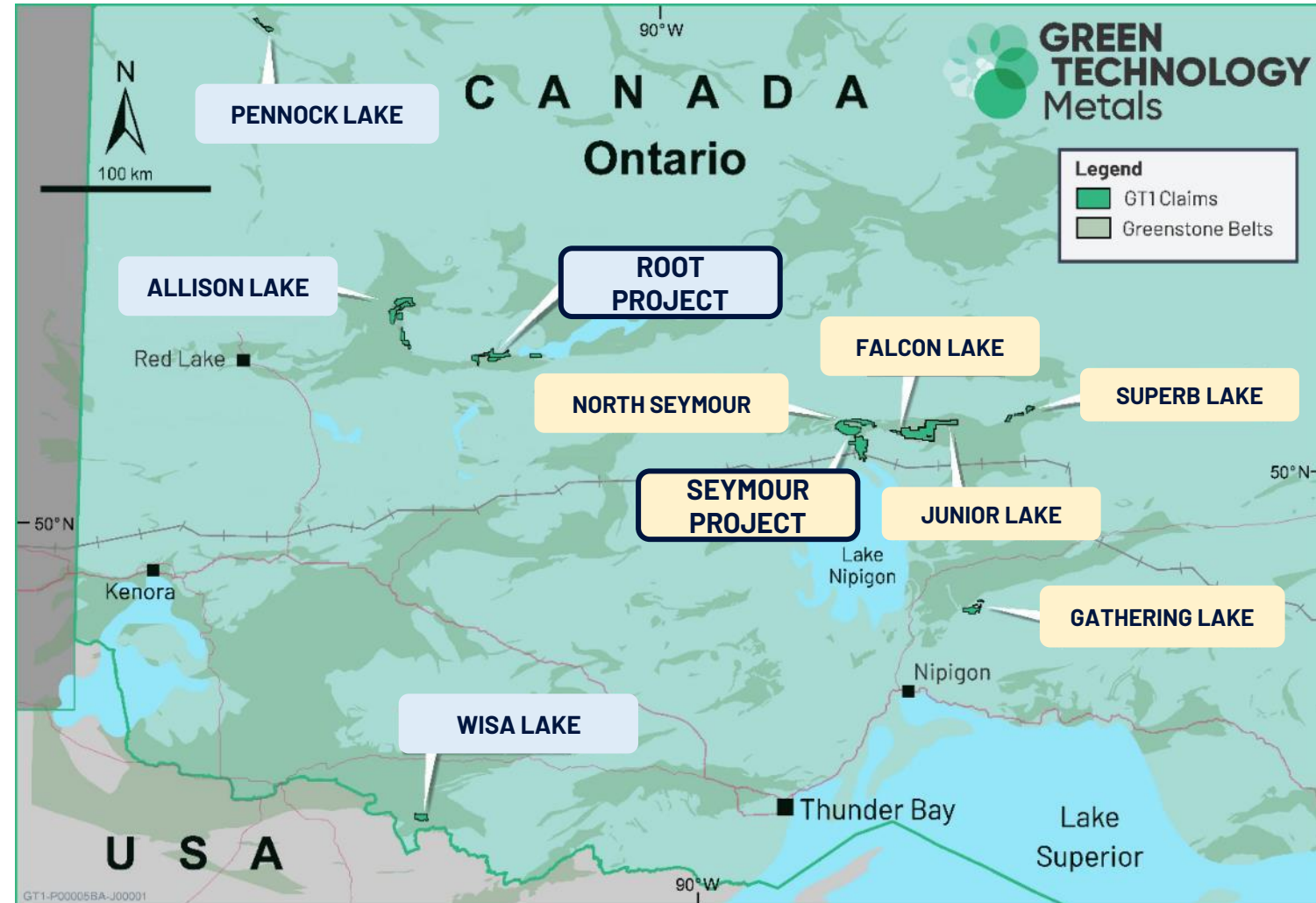
AVERAGE  $\text{Li}_2\text{O}$  GRADE  
WITH INDICATED  
5.2 Mt @ 1.29%

**10 PROJECT AREAS**


HIGHLY PROSPECTIVE  
AND UNDEREXPLORED


**56k Ha - 560km<sup>2</sup>**


CLAIM BASE IN  
PRIME PEGMATITE  
COUNTRY





# INFRASTRUCTURE CORRIDOR

- 

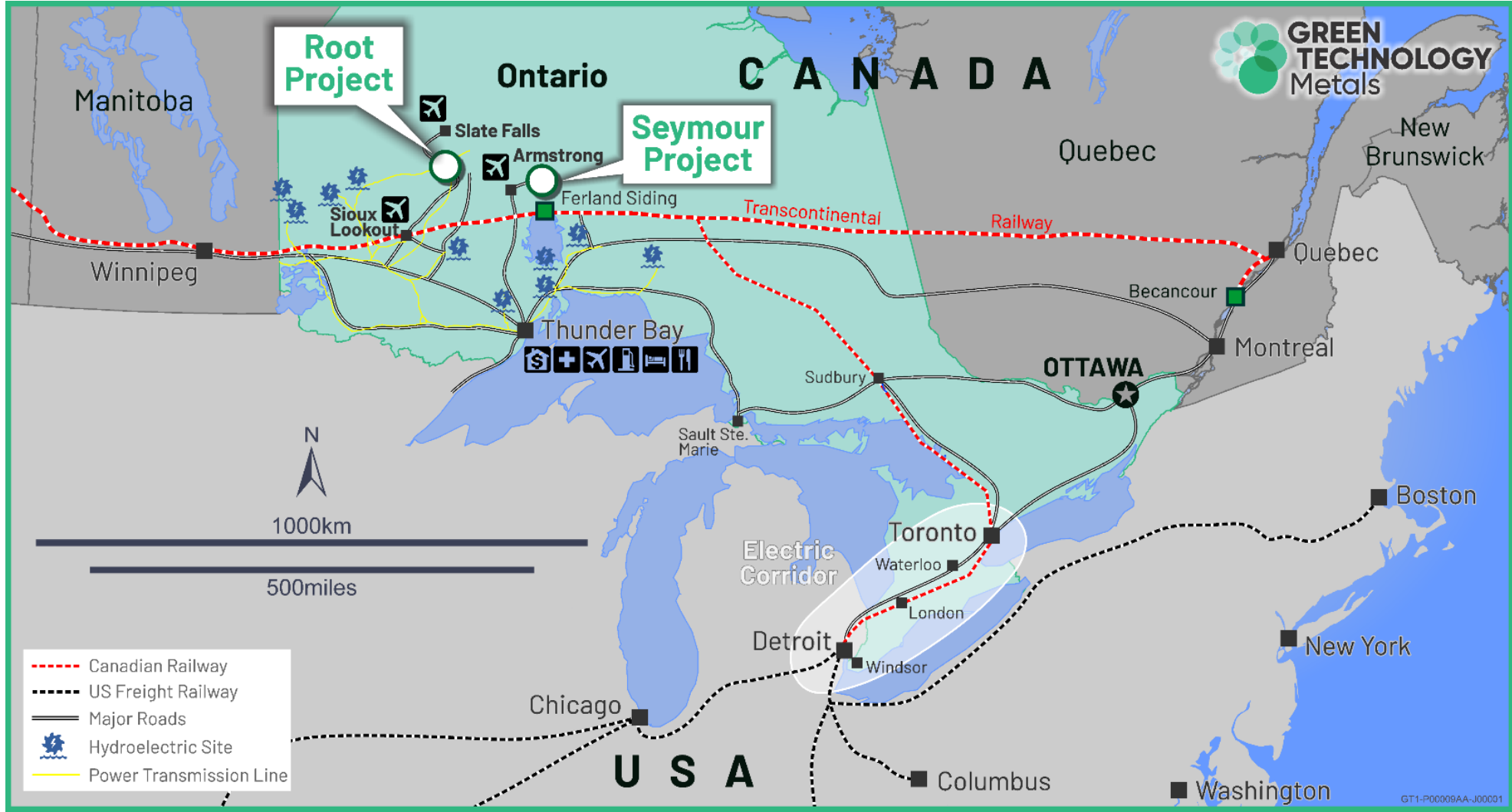
**ALL WEATHER ROAD ACCESS**  
to sites with ready access to Trans Canadian Highway
- 

**HEAVY HAULAGE AND WIDE LOAD CAPABILITY**  
for access to and from both Seymour & Root
- 

**ALL-WEATHER AIRPORTS**  
within 20-30 mins of both sites; fixed wing, helicopter and emergency response access
- 

**TRANS CANADIAN RAIL ACCESS** - Ferland rail siding at Seymour for potential load/unload - connects to US rail system
- 

**HYDRO POWER ACCESS**  
Seymour planning for Jackfish Hydro project, 7km from site; Root has recently energised 230kV Wataynikaneyap Power line through tenements



# COMPANY STRATEGY – BUILD THE SUPPLY CHAIN

## WESTERN HUB

### ROOT PROJECT

Mineral Resource Estimate to be released in the coming weeks

ALLISON LAKE

WISA LAKE

PENNOCK LAKE

**Development of a regional supply chain with multiple mine and process hubs feeding a central lithium conversion facility**

2027 onwards

SPODUMENE  
PROCESS PLANT



**MADE IN  
ONTARIO**

2025 onwards

SPODUMENE  
PROCESS PLANT



SPODUMENE  
SALES (OPTION)

Initial sales prior to completion of a lithium conversion facility

## EASTERN HUB

### SEYMOUR PROJECT

Mineral Resource 9.9 Mt at 1.04% Li<sub>2</sub>O  
Indicated category 5.2Mt at 1.29% Li<sub>2</sub>O

NORTH SEYMOUR

JUNIOR LAKE

SUPERB LAKE

FALCON LAKE

GATHERING LAKE

LITHIUM CONVERSION  
FACILITY<sup>1</sup>



Operating from mid-2027  
Initial capacity of 25-30 ktpa LiOH  
Expanded to 50-60 ktpa LiOH by 2028

LITHIUM HYDROXIDE  
OUTPUT<sup>1</sup>

Long term LiOH product supply

1. 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.

# WORK PROGRAMS PLANNED THROUGH 2023

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

## EXPLORATION

### EASTERN HUB

- Progressing from Exploration to Development to be construction ready by 2024
- Summer exploration program to include mapping and sampling of North Seymour, Junior Lake and Falcon Lake project areas
- 1200m drilling planned for 2 highly prospective areas at Junior Lake

### WESTERN HUB

- Maiden resource for Root to be released Q1 23
- Drilling commencing at Root Bay

**Review underway to prioritise and explore other highly prospective target across 56k ha (560km<sup>2</sup>) portfolio that have seen very little historical work**





# EASTERN HUB EXPLORATION

## TARGET AREAS

### NORTH SEYMOUR

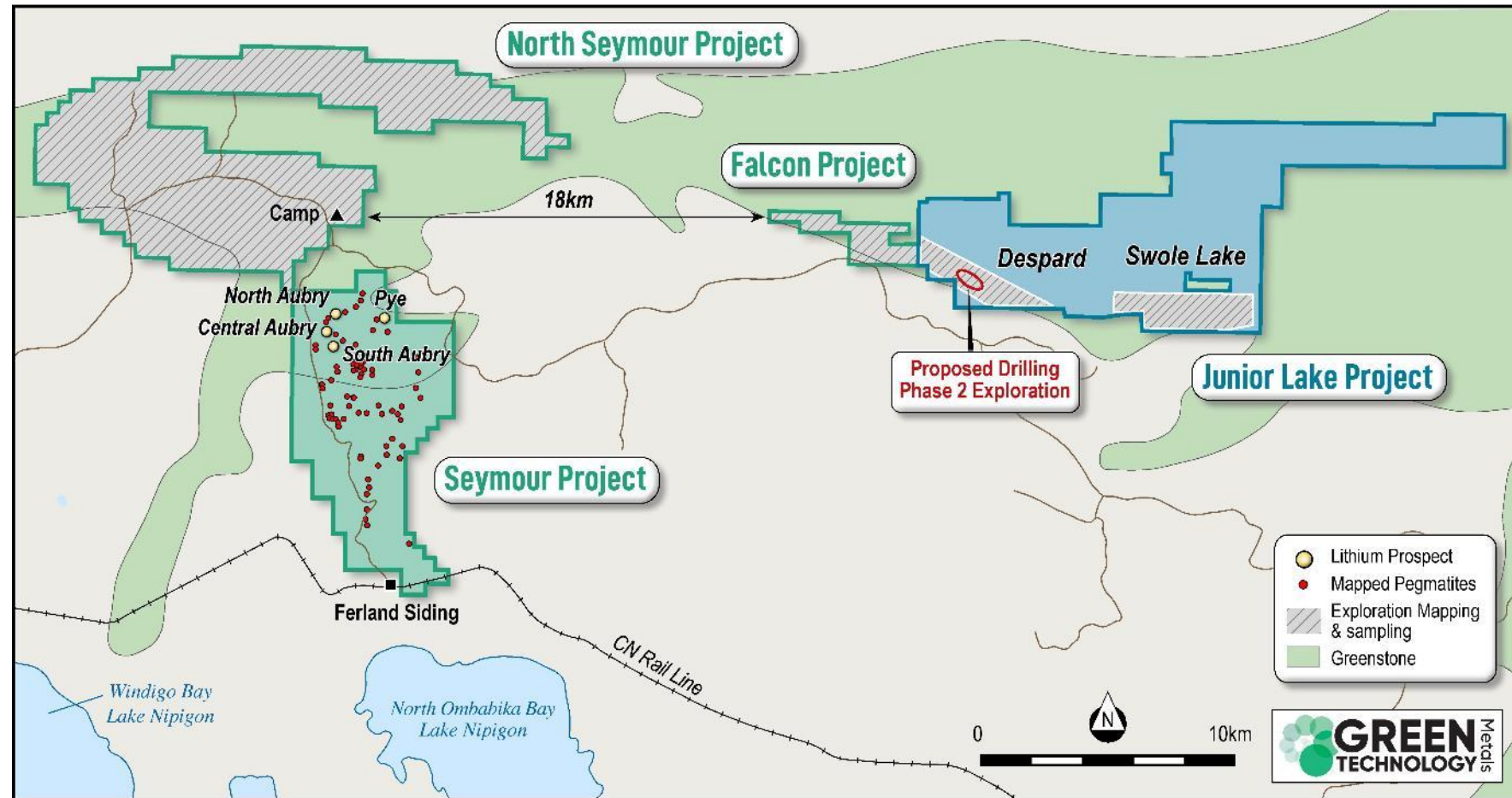
- 9135 hectares (91km<sup>2</sup>)
- No previous exploration undertaken by GT1
- Located North of the Seymour project

### JUNIOR LAKE

- 10,856 hectares (109km<sup>2</sup>)
- Host to 3 drill-ready LCT pegmatite prospects, indicating the Project's lithium potential

### FALCON LAKE

- 816 hectares (8km<sup>2</sup>)
- Highly prospective for Lithium exploration, and heavily underexplored
- Project area is underlain by the east-west trending Caribou Lake-O'Sullivan Greenstone Belt



1. Channel Sampling has returned 2.38% at 12.4m – see announcement “New Discovery at Seymour” 9 November 2022.  
 2. See announcement “Lithium Option Signed for Project Adjacent to Seymour” 6 March 2023.

# WESTERN HUB EXPLORATION

## TARGET AREAS

### MCCOMBE

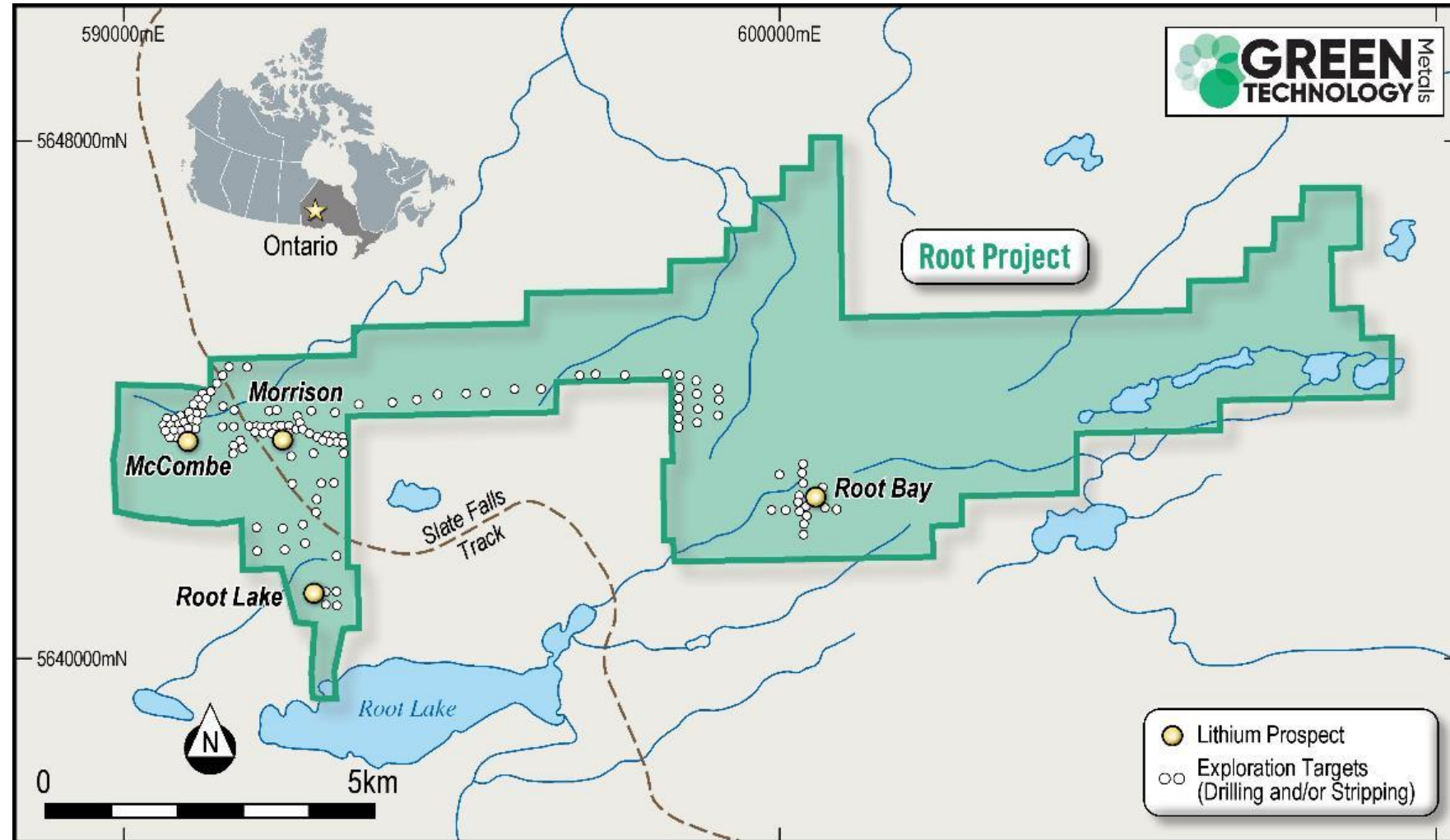
- Phase 2 diamond drilling at McCombe, assays pending for incorporation into the maiden resource
- Exceptional high-grade drill success - Highest Grade Drill Intercept to date 4.06%  $\text{Li}_2\text{O}$

### MORRISON

- Phase 1 drilling at Morrison nearing completion testing known pegmatites along strike and down dip
- High-grade lithium assays returned from maiden drill hole 10.6m @ 1.25%  $\text{Li}_2\text{O}$  from 54.0m

### ROOT BAY

- Exposed LCT Pegmatite surface, No historical drilling
- Channel sample returned 14m @ 1.67%  $\text{Li}_2\text{O}$  including 3m at 2.24%  $\text{Li}_2\text{O}$



1. Highest Grade Drill Intercept to date 4.06%  $\text{Li}_2\text{O}$  – see announcement “Highest Grade Intercept to Date at Root Project 4.06%  $\text{Li}_2\text{O}$ ” 22 November 2022.

2. High-grade lithium assays returned from maiden drill hole 10.6m @ 1.25%- see announcement “High Grade Lithium Assays From Maiden Morrison Drillhole” 7 February 2023

# WORK PROGRAMS PLANNED THROUGH 2023

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

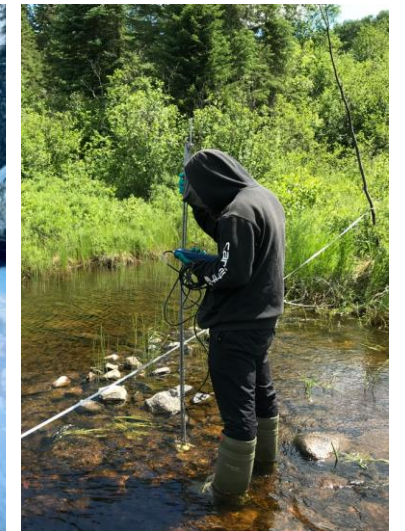
## PROJECT DEVELOPMENT

### Seymour - Rapidly advancing project development

- ✓ Completed 2 out of the required 3 years of environmental baseline studies
- ✓ Preliminary Heavy Liquid Separation Test Work - Complete
- Commencing Indigenous and Public consultation
- Advance Environmental Impact assessments, with environmental baseline studies in final year
- Metallurgical test work including, Bulk Sample, DMS variability, flowsheet optimisation and chemical conversion programs
- Concentrator, Infrastructure and Converter design
- PEA release in the coming weeks and immediate commencement of Feasibility Study
- Development of Project Execution Plan

### Root - Building

- Commencement of Environmental baseline studies



# WORK PROGRAMS PLANNED THROUGH 2023

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

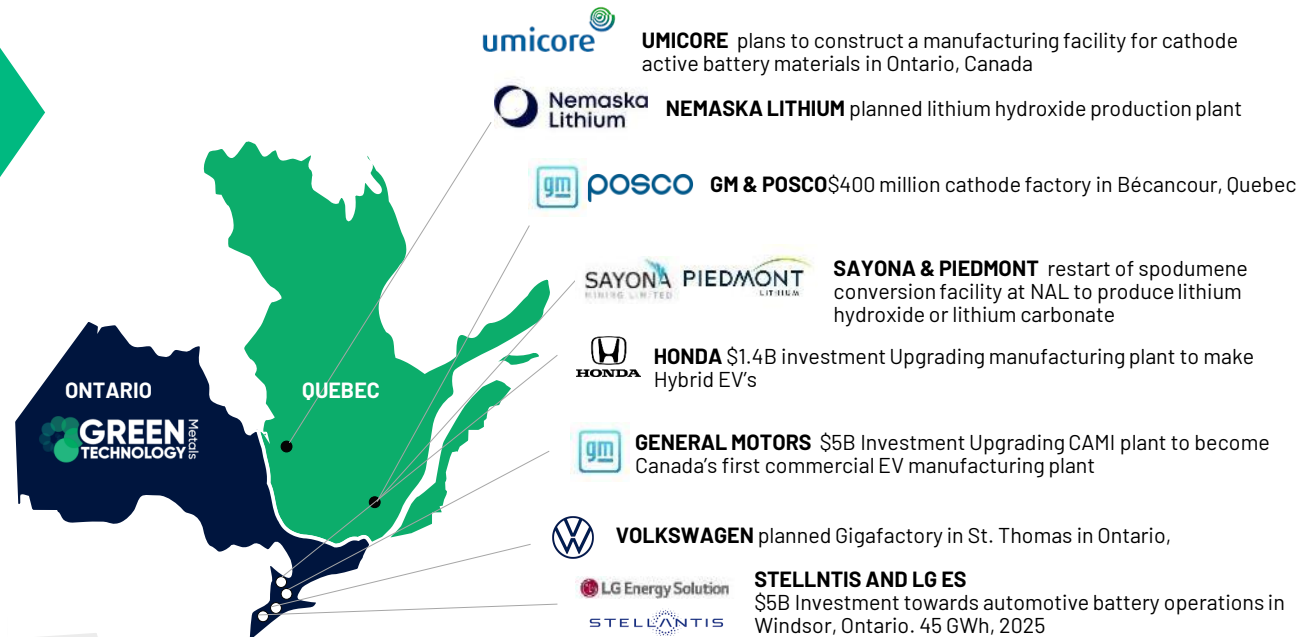
## CORPORATE DEVELOPMENT

### Built and made in Ontario

- Build on existing corporate presence in Ontario
- Increase lithium portfolio, focused on increasing potential Life of Mine at Seymour and development ready projects with near term potential to commence production.
- Continue relationships with stakeholders and government agencies
- Lead Ontario by becoming the first lithium producer and pioneering local industry

### Project Funding

- Progress discussions with government agencies around grants and funding packages
- Engagement with strategic parties relating to investment/offtake/joint venture for Seymour processing plant and lithium conversion facility



Ontario 

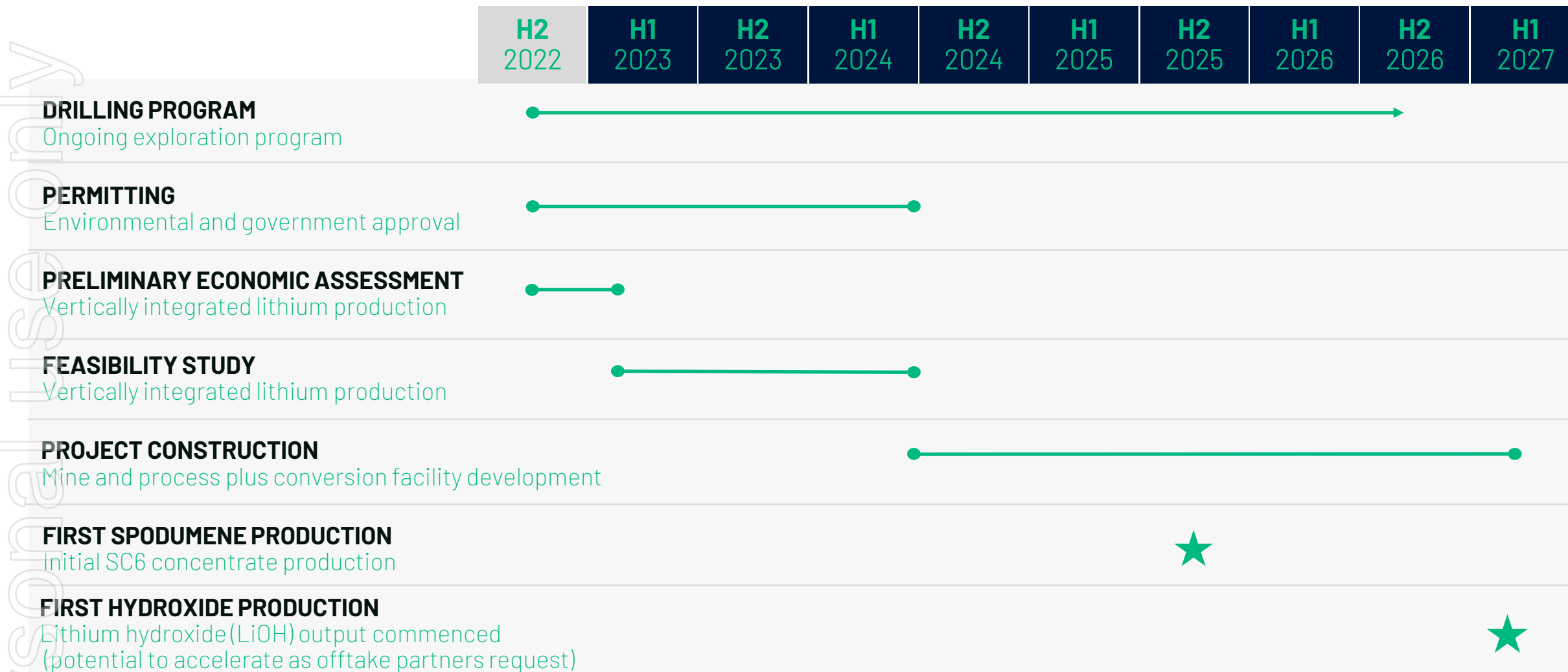
  
invest  
IN CANADA | invest  
IN CANADA

Canada 

1. Company research from announced facilities

# ACCELERATE DEVELOPMENT

First spodumene production targeted by mid-2025



1. Dates referenced are indicative

# Contacts



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Share registry

Automic Group

Email: [hello@automic.com.au](mailto:hello@automic.com.au)

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 <sub>2</sub> O (%)	Ta <sub>2</sub> O <sub>5</sub> (ppm)
<b>North Aubry</b>			
Indicated	5.2	1.29	161
Inferred	2.6	0.90	120
<b>North Aubry total</b>	<b>7.8</b>	<b>1.17</b>	<b>148</b>
<b>South Aubry</b>			
Inferred	2.1	0.5	90
<b>South Aubry total</b>	<b>2.1</b>	<b>0.5</b>	<b>90</b>
<b>Global Seymour total</b>	<b>9.9</b>	<b>1.04</b>	<b>137</b>

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.

**Not a disclosure document:** This presentation is not a disclosure document for the purposes of Chapter 6D of the Corporations Act 2001 (Cth) ("Corporations Act") and does not purport to include the information required of such a disclosure document. It has not been lodged with or approved by any regulatory authority, such as the Australian Securities and Investments Commission ("ASIC") or the Australian Securities Exchange ("ASX").

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**No other material authorised:** The Company has not authorised any person to give any information or make any representation in connection with any proposed offer of securities.

**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 | 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.