



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

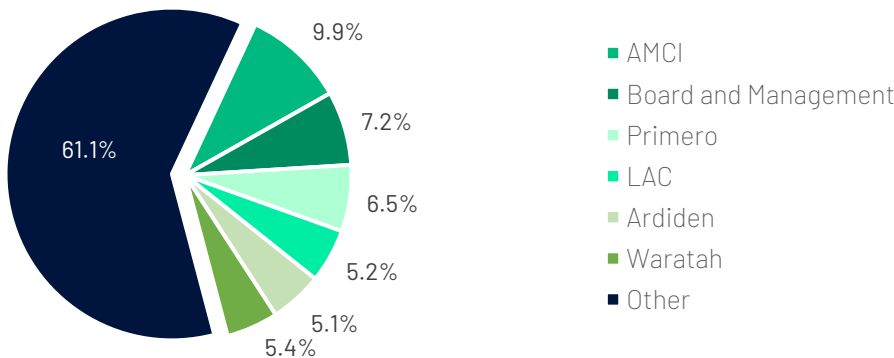
Investor Presentation – Mines and Money
February 2023

ASX | GT1



CORPORATE SNAPSHOT



SHARE REGISTER



BROKER RESEARCH COVERAGE

	Canaccord Genuity (Australia) Limited		Bell Potter Securities
Coverage Date:	25 October 2022	Coverage Date:	31 October 2022
Analyst:	Tim Hoff Senior Mining Analyst	Analyst:	Stuart Howe Senior Analyst



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

Aggressive drill program underway with 2 projects online and 4 drill rigs spinning 24/7

- Maiden JORC compliant resource for Root on-track for release this quarter
- Further exploration work commenced on GT1's large 41k Ha tenement holding



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".



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



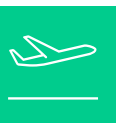
INFRASTRUCTURE CORRIDOR



All weather road access to sites with ready access to Trans Canadian Highway



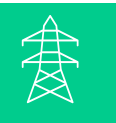
Heavy haulage and wide load capability for access to and from both Seymour & Root



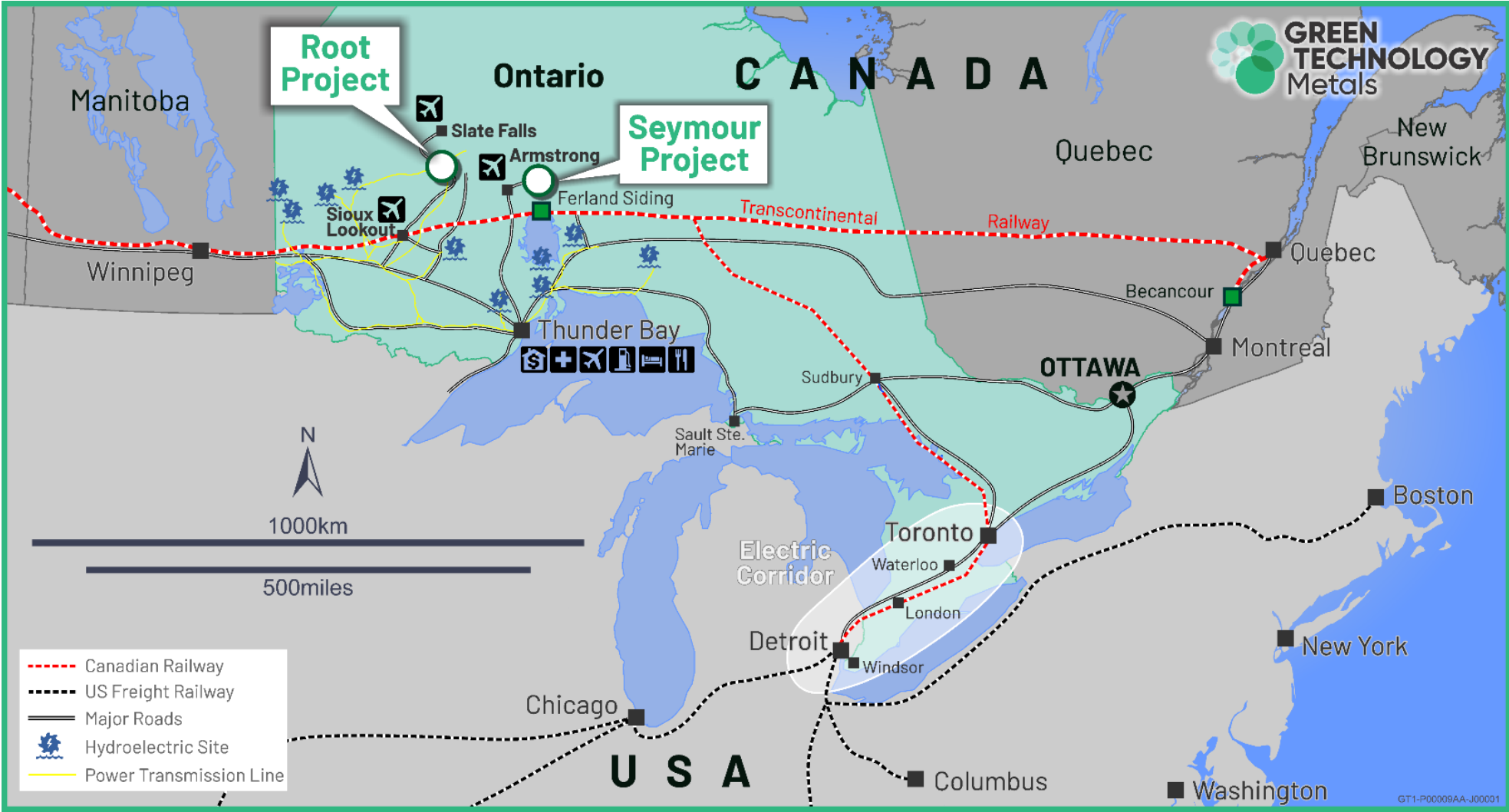
All-weather airports – within 20-30 mins of both sites; fixed wing, helicopter and emergency response access



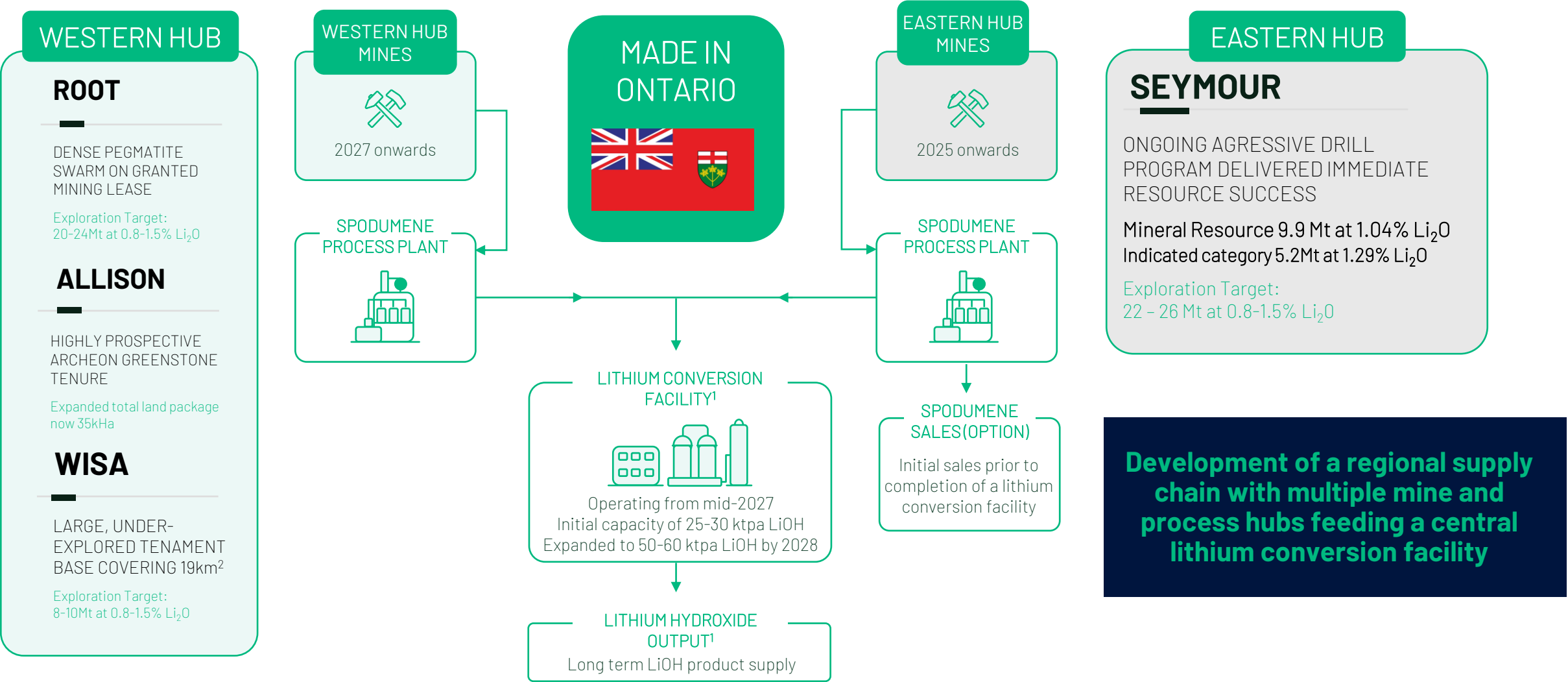
Trans Canadian Rail access – Ferland rail siding at Seymour for potential load/unload – connects to US rail system



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



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.



NORTH AMERICAN SUPPLY CHAIN

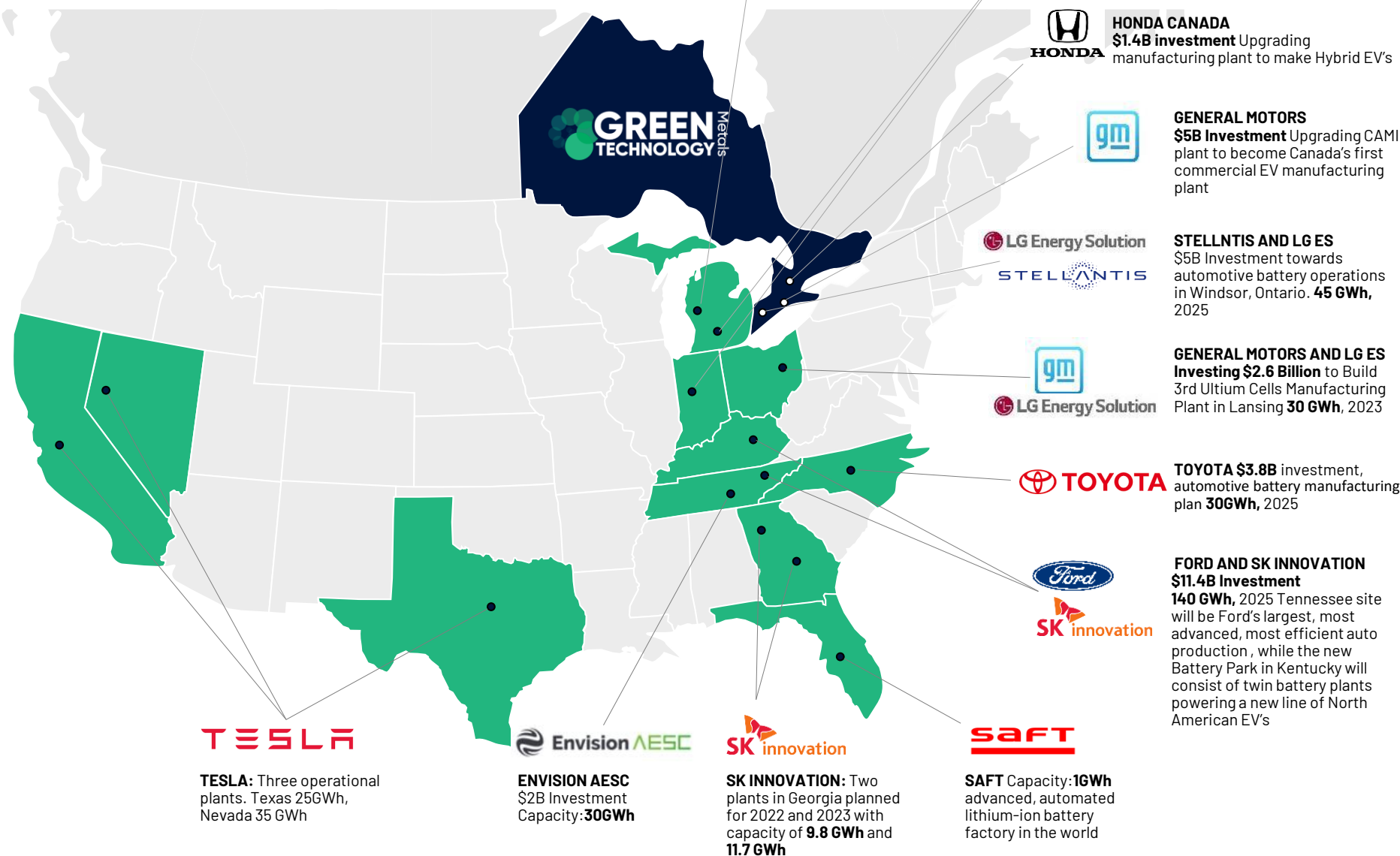
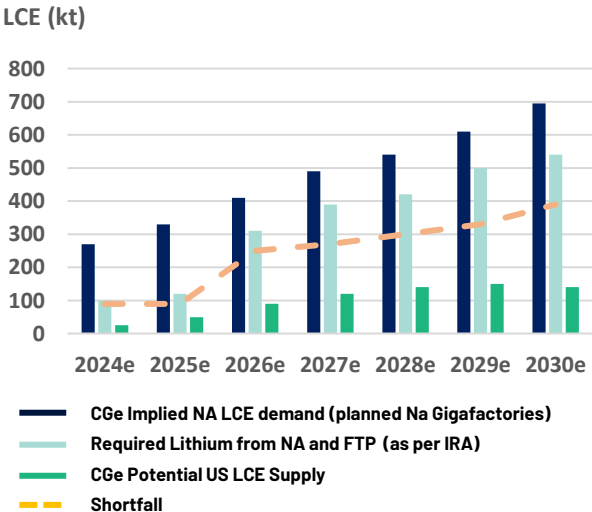
US Battery plants expected to require 40x current LiOH Capacity

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



12 MONTHS OF PROGRESS - MILESTONES

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

CORPORATE

- Successful \$55M Capital Raise
- Strategic partnership established with Lithium Americas Corp
- 100% Ownership of all Projects
- Root Royalty extinguished

PROJECTS

- Land holding expanded from 10k to 40k Hectares
- Seymour Resource doubled
- Second Project, Root came online returning high-grade assays

SEYMOUR DEVELOPMENT

- Metallurgical test work commenced
- 2+ years of baseline data completed
- Project Description submitted

McCombe Drilling



Root Camp



Seymour Project



WORK PROGRAMS PLANNED THROUGH 2023

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

STUDIES AND PERMITTING

Technical studies to support FS:

- Metallurgical test work
- Initial mine physicals
- Concentrator, Infrastructure and Converter design
- Mine optimisation

Permitting

- Environmental baseline studies
- Impact assessments
- Indigenous and Public consultation

Root

- Commencement of Environmental baseline studies

PROJECTS

Seymour

- Progressing from Exploration to Development stage
- Construction to start 2024
- Diamond Drilling to test new targets
- Permitting underway
- PEA release Q1 23

Root

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

Allison Lake

- Exploration

CORPORATE DEVELOPMENT

North American Market Strategy underway

- New office in Toronto office to support project studies, processing and engineering teams
- Government support

Partnerships / Offtakes

- Strategic downstream investment partnerships
- Conversion/ CAM / Battery Assembly / OEM's with Capability and links to strong funding and Offtake and equity offerings



SEYMOUR PROJECT

CURRENT ACTIVITIES

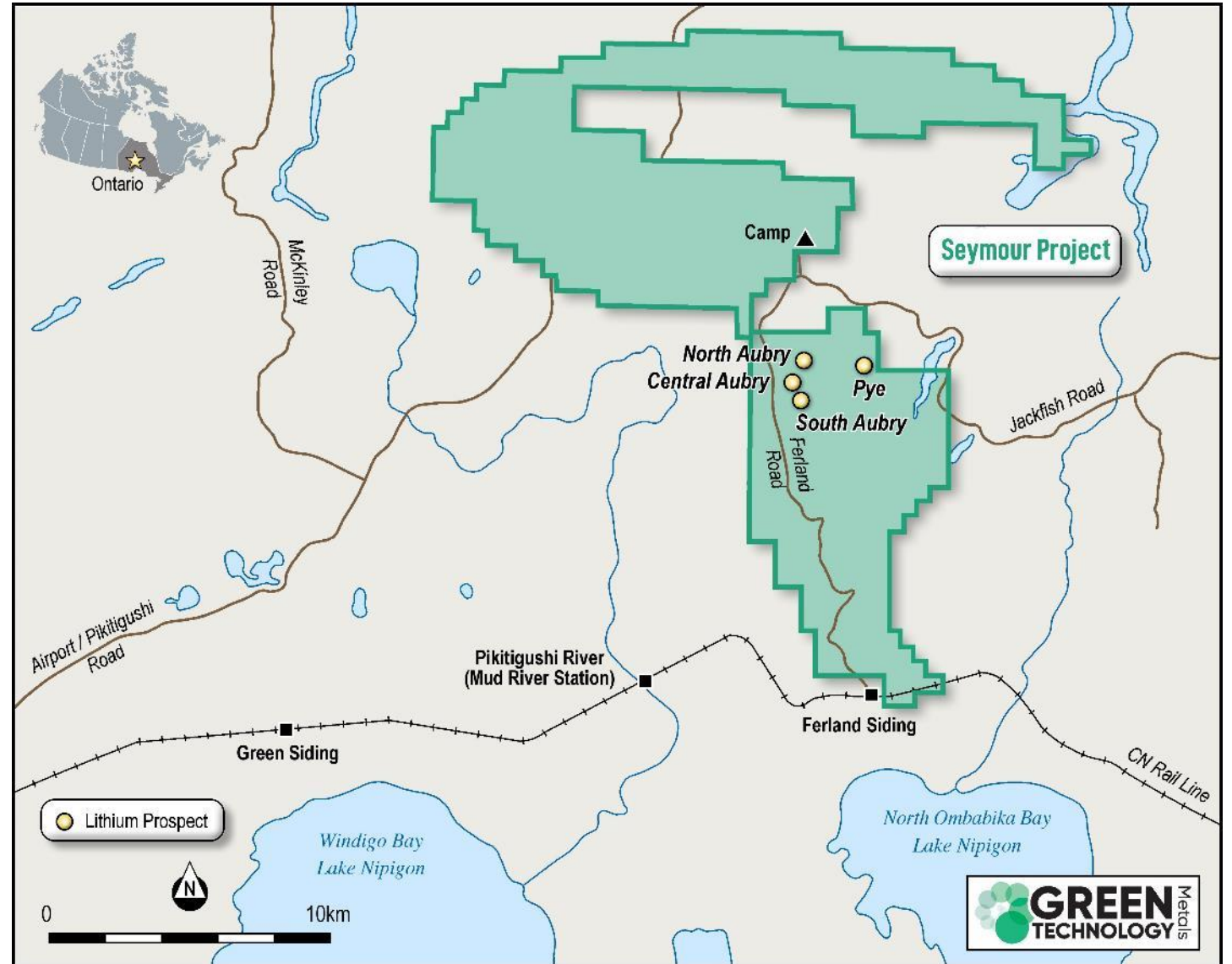
- Claims to Lease – Survey Instructions received
- Diamond drilling – 2 drill rigs spinning
- Geotechnical investigations, baseline & technical studies, engineering - ongoing

NEXT STEPS

- PEA / Scoping Study
- 99T Bulk Sample for pilot test work program
- Project Construction 2024

HIGHLIGHTS

- Coarse Spodumene Concentrate Produced at Seymour with Lithium Recovery Exceeding 72%
- Permitting advanced
- Rapidly advancing from exploration to development



SEYMOUR PROJECT

AUBRY COMPLEX

- Initial drill program delivered immediate success; approximate **doubling of existing resource to 9.9Mt @ 1.04 Li₂O**
- Extensional **intersections considerably thicker than modelled**
- 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



ACCELERATED METALLURGICAL TEST WORK

Coarse Spodumene Concentrate Produced at Seymour with Lithium Recovery Exceeding 72%

HLS Testwork

- Test work completed is a critical milestone for the PEA and future off-take partners
- Heavy Liquid Separation test on 1000kg samples to determine DMS crush size and need for back-end flotation plant
- Results confirm the Flagship Seymour Project **concentrate recovery exceeds 72%** and strong potential for a simple 2 stage DMS flowsheet
- Concentrate now being sent for conversion work to Lithium Hydroxide
- 99 Tonne bulk sample is being extracted from Seymour for the pilot test work program to be used as feed stock for the Lithium Hydroxide Conversion Program



HLS on master composite - crush size 8 mm			Grade		Distribution	
Description	HLS SG	Mass Distribution	% Li ₂ O	% Fe ₂ O ₃	Li ₂ O	Fe ₂ O ₃
HLS non-mag ¹ product	2.82	12.7	6.0	1.2	72.6	19.2
HLS mag ¹ product	2.82	3.6	1.3	9.1	4.5	34.7
HLS tailings	-2.65	46.7	0.0	0.2	2.0	9.3
Flotation feed (fines and middlings)	-	37.0	0.6	0.9	20.9	36.9
Total feed	-	100	1.1	0.9	100	100

¹ Dry magnetic separator used for HLS testwork

Table 1: HLS and assay test work on 8mm feed (12mm & 10mm samples being QAQC)



1. See announcement “Course Spodumene Produced at Seymour”, 22 December 2022

SEYMOUR PERMITTING SCHEDULE

2021 - 2022

- ✓ Baseline data collection
- ✓ Indigenous consultation
- ✓ Technical studies & engineering
- ✓ Pre-submission consultation with government agencies

2023

- ✓ **2+ years of baseline data completed**
- ✓ **Project engineering completed to support permit applications**
- **Submit permit applications**
- **Indigenous consultation - In progress**
- **Public Consultation - Commencing Q2 23**
- **MNRF Class EA (RSFD)**

2024

- Obtain permits
- Lease claims
- Timber clearing (Q1 winter)
- Commence construction
- On-going consultation
- On-going monitoring

ROOT PROJECT

CURRENT ACTIVITIES

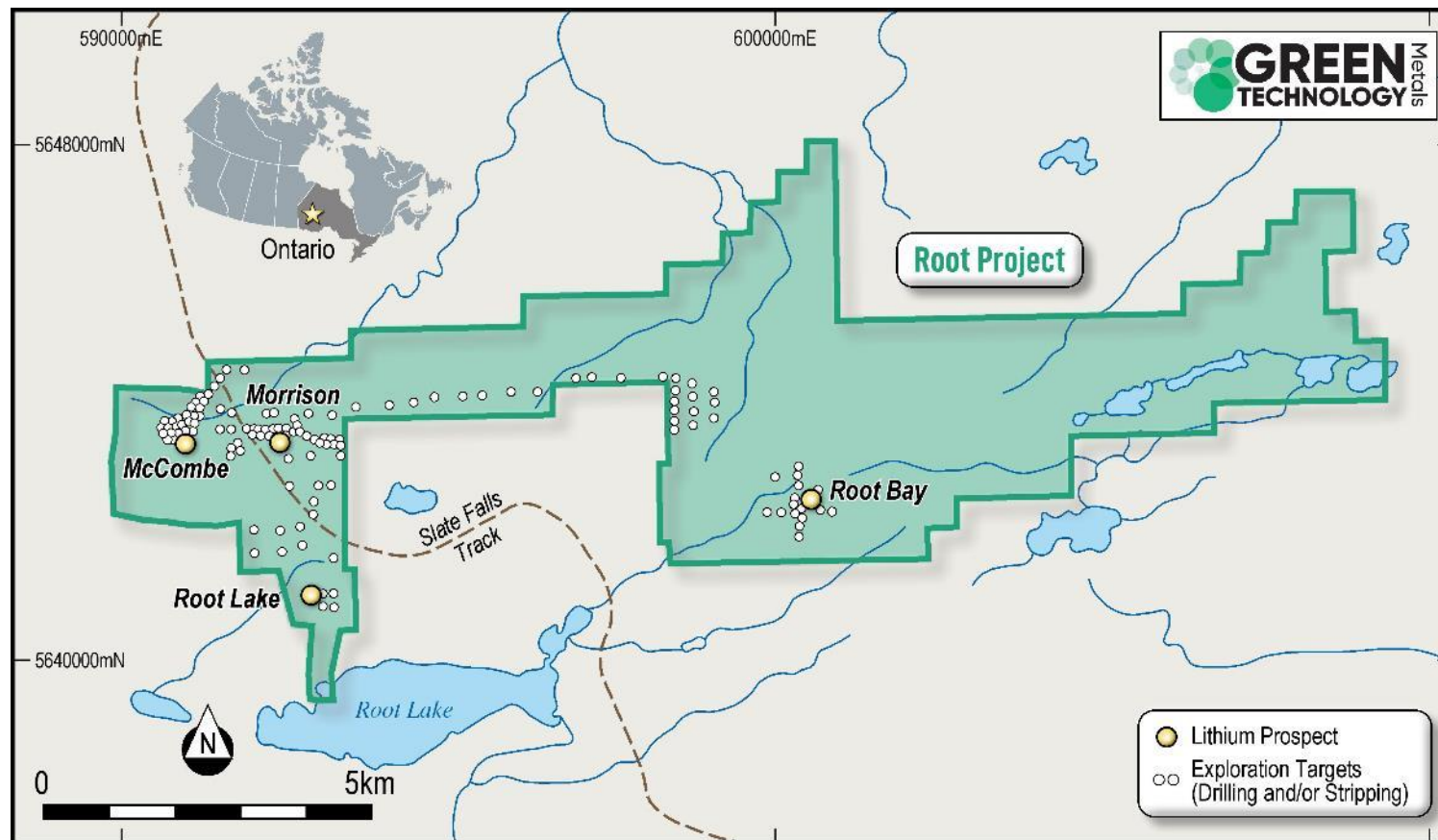
- Aggressive Diamond drill program underway
- Maiden drill program at Root Bay
- Maiden Resource Update – Q1 23
- Baseline Studies - Underway

NEXT STEPS

- Phase 2 diamond drilling at McCombe, assays pending for incorporation into the maiden resource
- Phase 1 drilling at Morrison nearing completion testing known pegmatites along strike and down dip

HIGHLIGHTS

- Thick high grade lithium assays returned from maiden Morrison drillhole
- Exceptional high-grade drill success at McCombe deposit - Highest Grade Drill Intercept to date 4.06% Li₂O



1. See announcement "Highest Grade Drill Intercept To Date At Root Project: 4.06% Li₂O", 22 November 2022
2. See announcement "Thick high grade lithium assets returned from maiden Morrison drillhole" 7 February 2023

ROOT PROJECT

Drilling commenced, Initial 24,000m Planned

MCCOMBE DEPOSIT

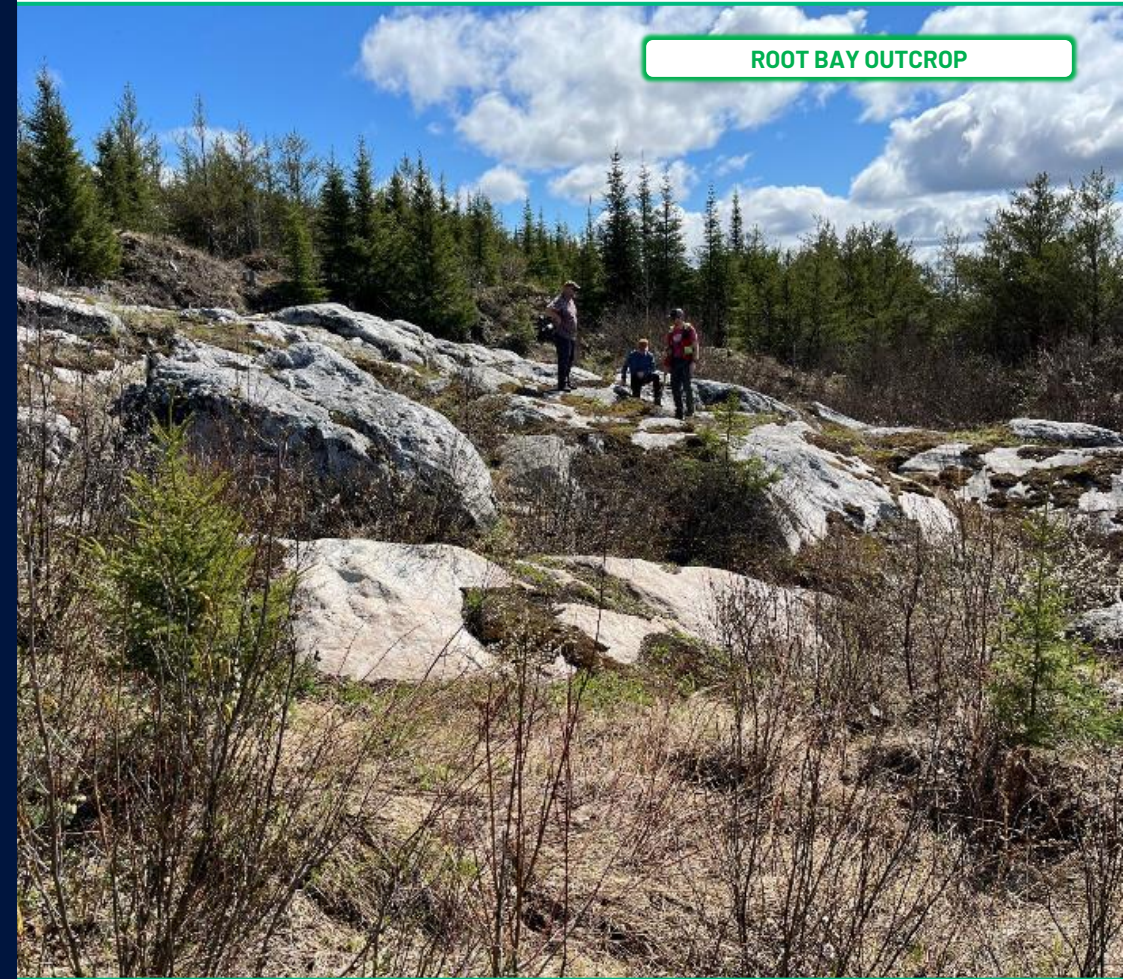
- Exceptional high-grade drill success - Highest Grade Drill Intercept to date 4.06% Li_2O
- Historical resource was modelled as multiple thinner dykes, now its confirmed as one larger, thicker, shallower and higher-grade dyke
- Thick and continuous high grade spodumene pegmatites from surface
- Extensional drilling in progress with strong visual spodumene logged in pegmatite intercepts

MORRISON

- Historical drilling delineated several kilometers of Spodumene LCT pegmatites
- Open along strike and down dip, Phase 1 drilling underway
- High-grade lithium assays returned from maiden drill hole 10.6m @ 1.25% Li_2O from 54.0m

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



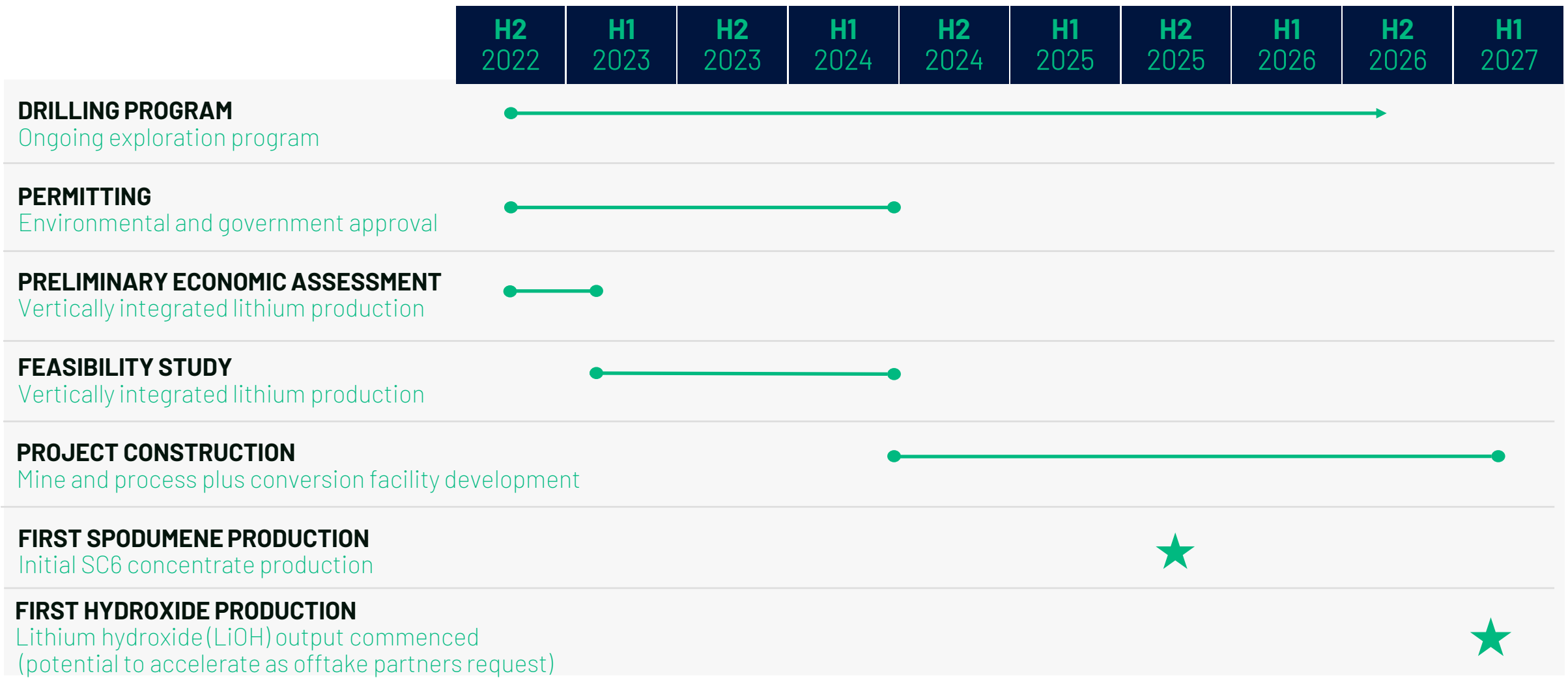
ROOT BAY OUTCROP



1. See announcement "Highest Grade Drill Intercept To Date At Root Project: 4.06% Li_2O ", 22 November 2022
2. See announcement "Thick high grade lithium assets returned from maiden Morrison drillhole" 7 February 2023

ACCELERATE DEVELOPMENT

First spodumene production targeted by mid-2025



1. Dates referenced are indicative

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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.



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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.

