



GREEN TECHNOLOGY Metals

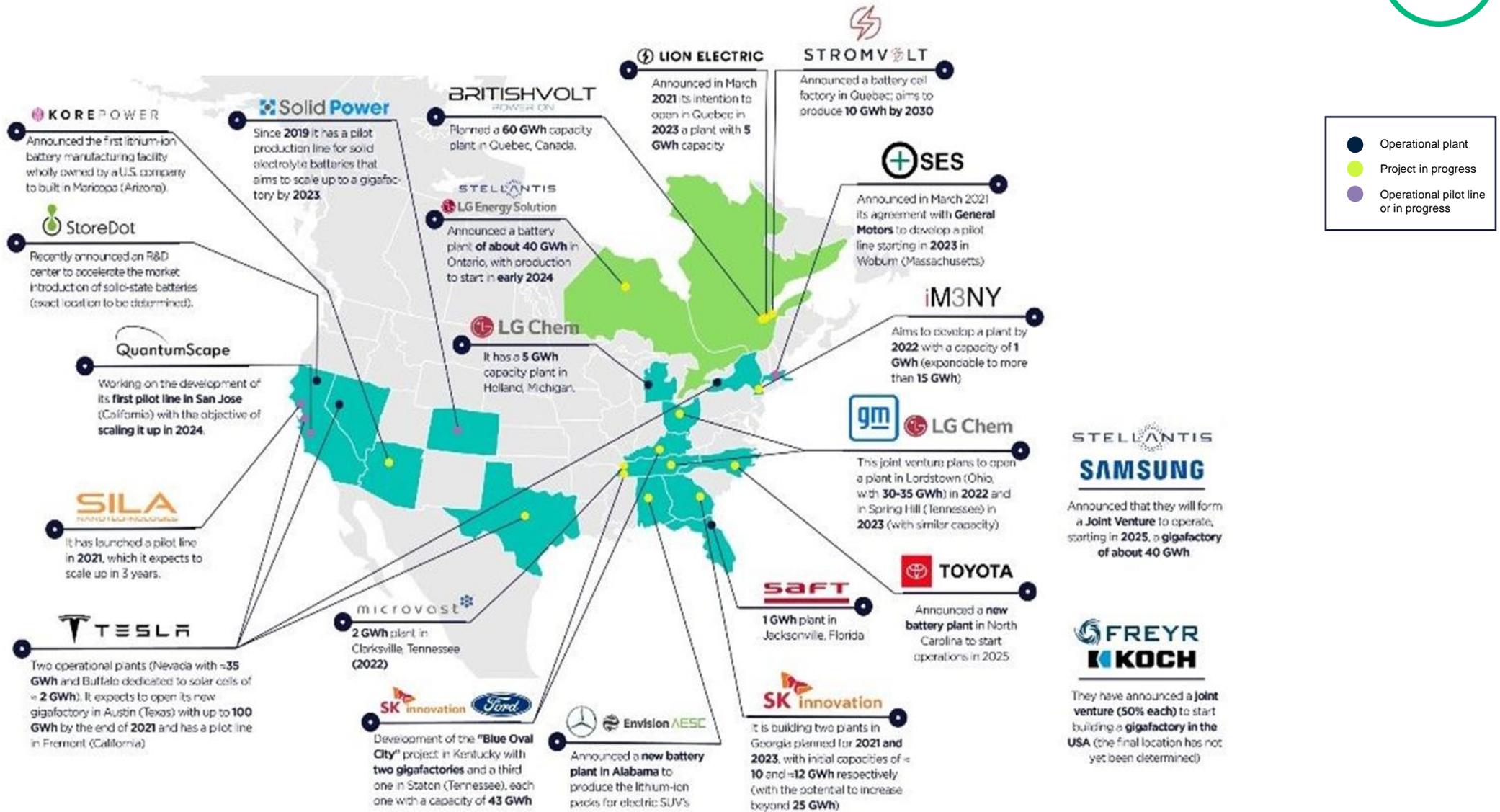
Building the pre-eminent
vertically integrated lithium
business in Ontario

April 2022

ASX:GT1



1. END USERS Who's supplying the Lithium? China



Source: CIC energiGUNE

1. FAST-TRACKED Ontario government are onboard



Critical Minerals Strategy to unleash Ontario's mineral potential

NATIONAL POST

News / Canadian Politics / Canada

Canada to spend \$2B on mineral strategy for EV battery supply chain

Justin Trudeau's government will release its federal budget this week

 Reuters
Steve Scherer

"The Critical Minerals Strategy is our government's blueprint to connect industries, resources and workers in our province's north to the future of manufacturing in the south as we build up home-grown supply chains."

- Ontario Premier, Doug Ford

Ontario's Critical Minerals Strategy

Unlocking potential to drive economic prosperity and create jobs



- 1 Enhancing geoscience information and supporting critical minerals exploration
- 2 Growing domestic processing and creating resilient local supply chains
- 3 Enhancing Ontario's competitive regulatory framework
- 4 Investing in innovation, research and development
- 5 Building economic development opportunities with Indigenous partners
- 6 Growing labour supply and developing a skilled labour force

The cars of the future will be built right here by Ontario workers, using Ontario resources.

- PREMIER DOUG FORD



BUILDING pre-eminent vertically integrated lithium business

Investment highlights

1

FLAGSHIP SEYMOUR MINE PROJECT

Aggressive three-phase drilling program to rapidly build critical-mass resource inventory and progress to mine evaluation

2

BEST-IN-CLASS LITHIUM TEAM

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

3

FAST-TRACKED VERTICAL LITHIUM DEVELOPMENT

Baseline environmental and mine permitting studies commenced with multiple LiOH converter sites selected and optioned in Thunder Bay

4

LOW CARBON LITHIUM

Ontario's extensive hydro power generation supports strong capability to deliver highly demanded, low carbon lithium products

5

EXTENSIVE RESOURCE UPSIDE

Multiple potential lithium mine projects to be advanced across a large-scale, strategic Ontario landholding



BUILDING A vertically integrated lithium business

High-grade projects and a large-scale strategic footprint¹

SEYMOUR

Aggressive three-phase drilling program; resource update Q2 CY22

Mineral Resource: 4.8 Mt @ 1.25% Li₂O²

Exploration Target: 22 – 26 Mt @ 0.8-1.5% Li₂O

ROOT

Dense pegmatite swarm on a granted mining lease

Exploration Target: 20 – 24 Mt @ 0.8-1.5% Li₂O

WISA

Large, under-explored tenement base covering 18.9km²

Exploration Target: 8 – 10 Mt @ 0.8-1.5% Li₂O

ALLISON

Highly prospective Archean Greenstone tenure

Total GT1 land package expanded from 9kHa to 35kHa

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. See Appendix: Exploration Targets.



1. The Company holds a 80% interest in the Ontario Lithium Projects (Seymour, Root and Wisa) under a joint venture with Ardenid Limited (ASX: ADV)

2. For full details of Mineral Resources estimates, please refer to ASX release dated 8 November 2021, "Prospectus". Green Technology Metals confirms that it is not aware of any new information or data that materially affects the information included in the Prospectus. All material assumptions and technical parameters underpinning the estimates in those releases continue to apply and have not materially changed.

1. BEST-IN-CLASS Lithium Team



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 Executive Director of Pilbara Minerals Ltd
- Current Non-Executive Director of RareX and Trek Metals

CAMERON HENRY

Non-Executive
Director

- Founding MD of Primero Group
- 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
- 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
- CEO/MD of Ardiden, previous GM Geology at Sundance Resources

KEY STRATEGIC PARTNERS

PRIMERO

- Vertically integrated engineering group specialising in end-to-end delivery of global resource projects
- History of successfully designing, building and operating spodumene processing and conversion facilities globally

AMCI

- Invests in and operates natural resources, transportation, infrastructure, metals and energy businesses
- Expertise in supporting expansion, mergers and acquisitions and operational enhancements

SUBSTANTIAL ALIGNMENT BENEFITS INCLUDE:

- ✓ Direct access to globally leading expertise in:
 - Lithium processing and conversion facilities design and construction
 - Mine financing and development activities
- ✓ Accelerated internal study work timeframes and capability
- ✓ Access to extensive global relationship networks

1. BEST-IN-CLASS Lithium Team

With a well established operations hub in Ontario, Canada



MANAGEMENT TEAM

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

General Manager, North America

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

ANDREA JOHNSTONE

ESG Manager, North America

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

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



2. FLAGSHIP Seymour Mine Project

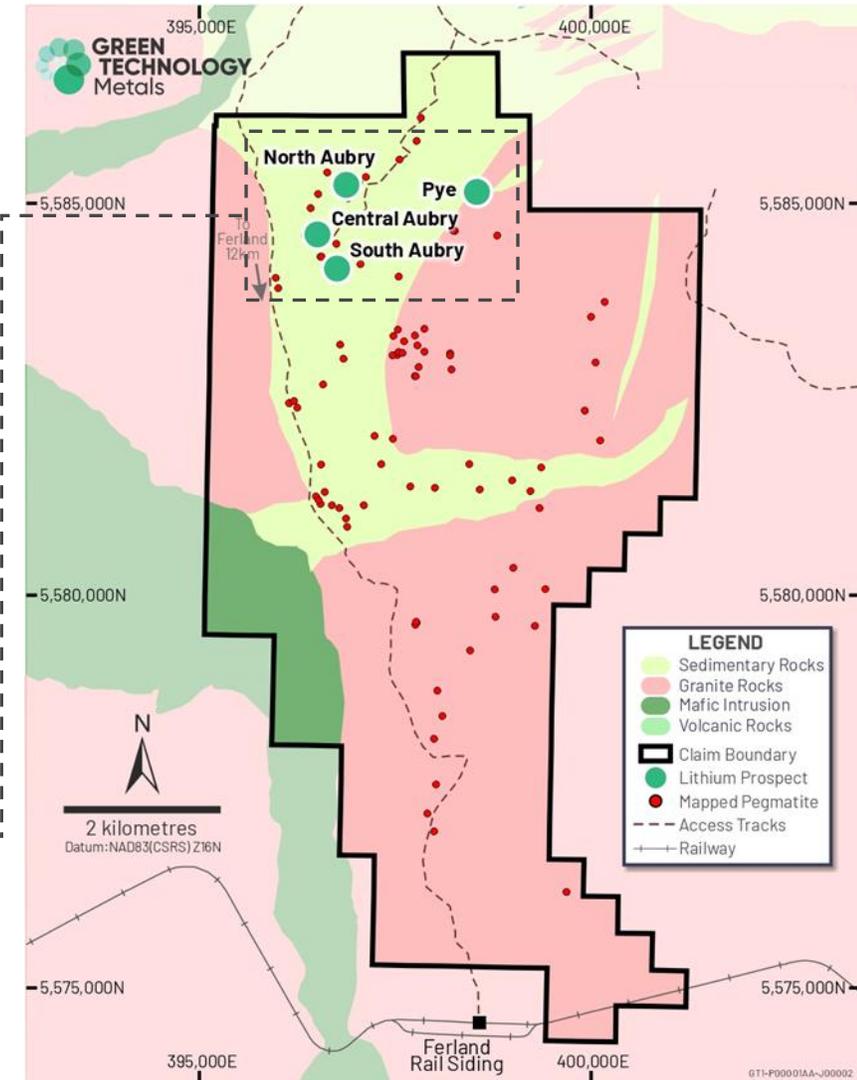
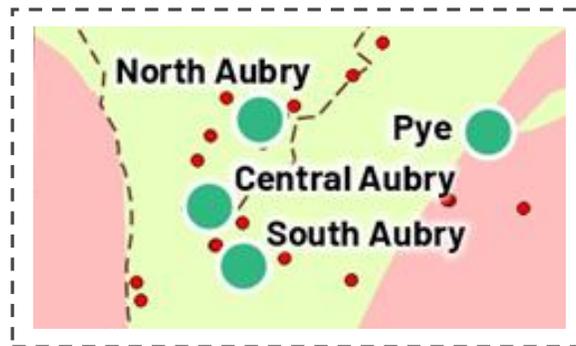


Rapidly building critical-mass resource inventory

- Existing Mineral Resource of **4.8 Mt @ 1.25% Li₂O** and 186ppm Ta₂O₅¹
- Exploration target of **22 - 26 Mt @ 0.8-1.5% Li₂O** within 7km of strike

The potential Exploration Target quantity and grade 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. See Appendix: Exploration Target.

- Trans-continental rail adjacent to southern end of the tenement
- Located within 8km of proposed Jackfish hydro electric project
- Environmental and mining baseline studies underway to fast-track development
- Metallurgical bulk samples produced high-quality coarse spodumene
- Aggressive three-phase drill program advancing
- Phase 1 update to current Mineral Resource on track for Q2 2022

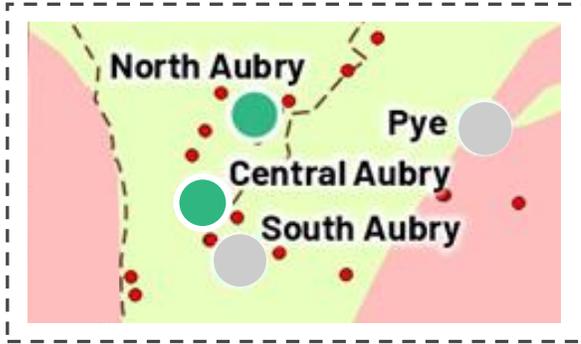


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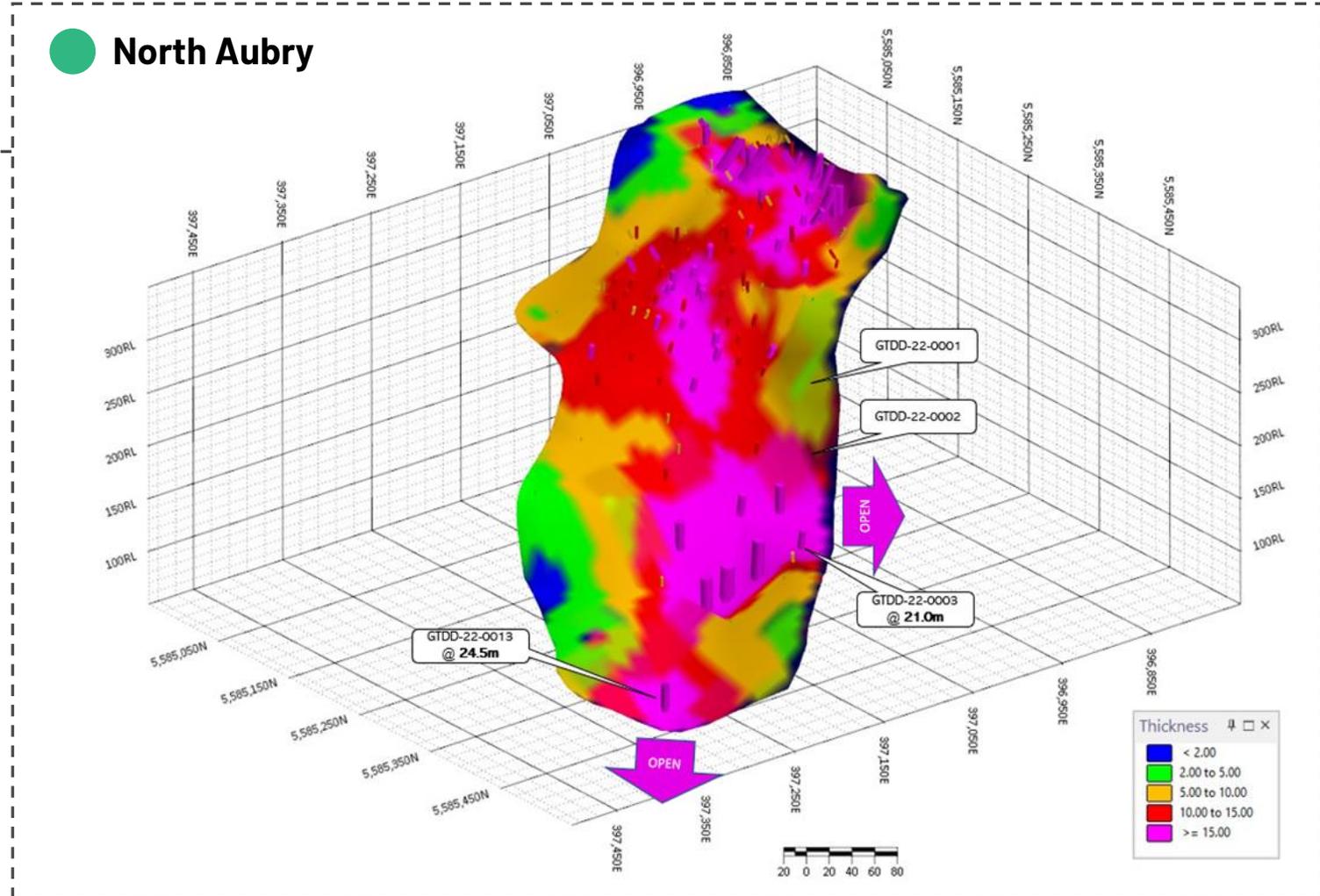
2. FLAGSHIP Seymour Mine Project



Phase 1 and 2 drilling programs at broader Aubry system



- North Aubry resource: 4.8 Mt @ 1.5% Li_2O ¹
- Expanded 16-hole, 5,895km step-out drill program (Phase 1) completed at North Aubry
- Evaluating open and untested along-strike and up to 150m down-dip extensions
- Maiden intercept of 40m @ 1.54% Li_2O (from 244m downhole) confirms continuity beyond existing Mineral Resource estimate²
- Phase 2, 31-hole, 5,100km program at Central Aubry zone recently commenced
- No existing Mineral Resource estimate for Central Aubry zone



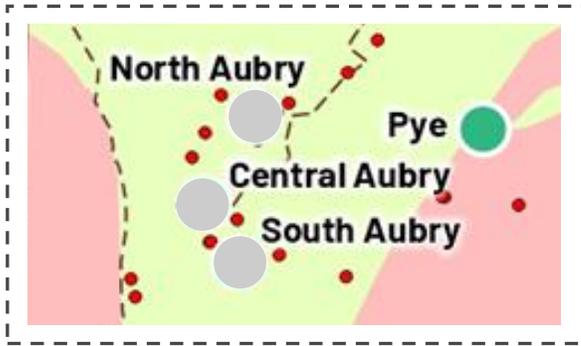
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2. Refer ASX announcement 17 January 2022, "Thick 40m intersection at 1.54% Li_2O confirms significant upside potential"

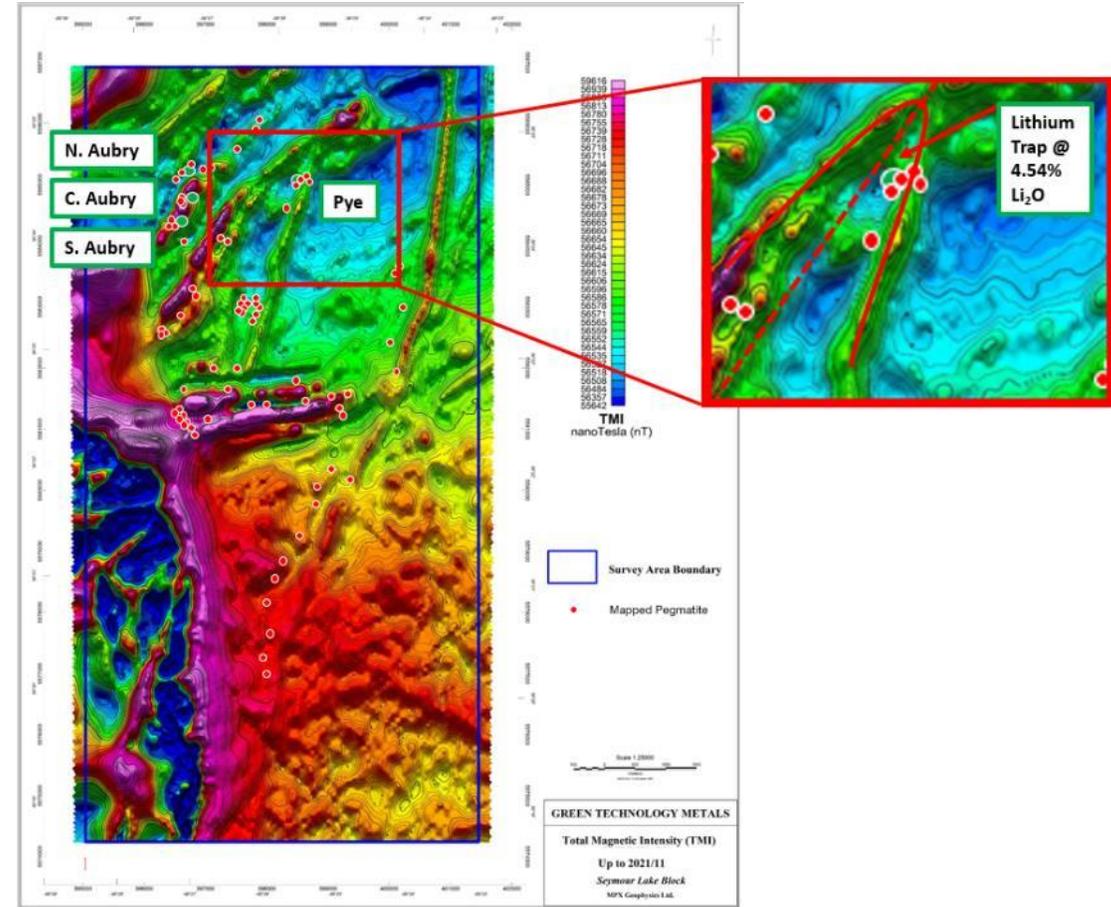
2. FLAGSHIP Seymour Mine Project



Phase 3 Pye prospect exploration drill out



● Pye



- Pye prospect located approx. 1km east of the Aubry system
- Completely untested prospect, no existing Mineral Resource estimate
- Recently commenced Phase 3, 26-hole, 2,000m drill program at Pye
- Initial target for drilling is the LCT pegmatite which is exposed at surface with dimensions approx. 18m wide, 84m long, striking in a NE-SW direction and mapped as sub-vertical¹

1. Refer ASX announcement 17 March 2022, "Seymour Drilling Update"

2. FLAGSHIP Drilling, Studies, First Nations

Significant progress since listing in November 2021

- ✓ Early exploration agreement signed with Whitesand First Nation
ESG and First Nation Manager appointed and mobilised to site
- ✓ Baseline environmental and permitting study work commenced
Set to deliver potential for accelerated lithium project development
- ✓ Phase 1 step-out drilling at North Aubry complete
Extensional diamond drilling cores submitted for assay
- ✓ Strong mineralised intervals intersected in first three holes assayed
Results to be incorporated into a scheduled update of current Mineral Resource estimate
- ✓ Phase 2 Central Aubry drilling commenced
Planned 31 holes for 5,100 meters
- ✓ Phase 3 Pye prospect exploration drilling program accelerated
Planned 26 holes for 2,000 meters
- ✓ Ramped up to 80% ownership in the Seymour, Root and Wisá Projects
Via the exercise of highly in-the-money option held since listing

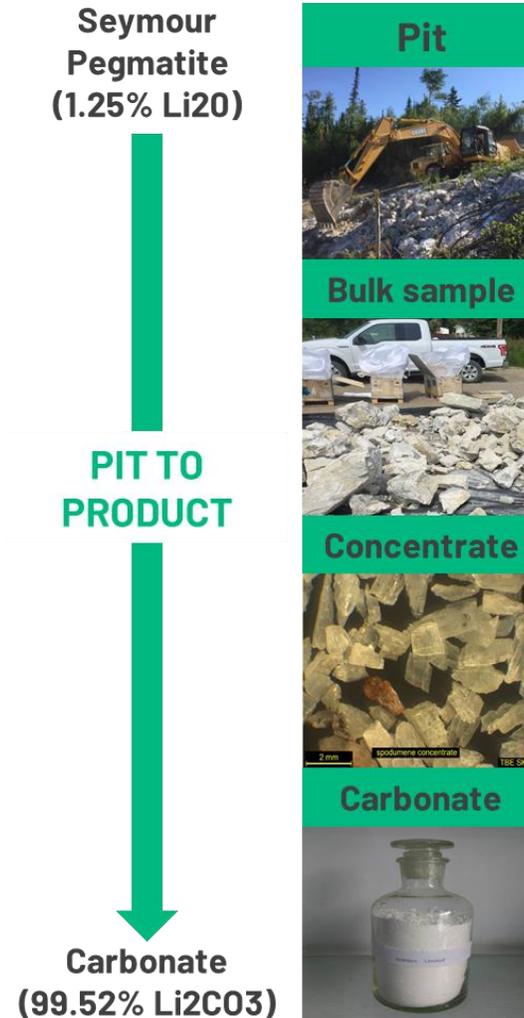


2. FLAGSHIP Seymour Mine Project



Attractive metallurgy with demonstrated ability to produce coarse grained SC6

- Seymour bulk samples concentrated >7% Li₂O confirming a clean SC6 product with strong recoveries and low deleterious elements.
- Seymour SC6 concentrate was converted to battery grade Lithium Carbonate at 99.52% Li₂CO₃
- Coarse product produced – preferable for downstream processing
- Primero desktop study highlighted:
 - Simple flow sheet design – DMS only
 - Low capital and operating expenditure
 - High recoveries and high concentrate grades



Note 1: ADV - ASX Announcement 15th November 2017, Further Outstanding Metallurgical Results from Seymour Lake Bulk Samples

3. FAST-TRACKED Vertical lithium development



To deliver a fully integrated lithium extraction, processing and conversion chain

1

RESOURCE ADVANCEMENT

Definition, expansion and evaluation



SEYMOUR

Targeting a baseload, high-grade Mineral Resource

Exploration and resource development upside to provide ongoing feed capacity

ROOT

WISA

ALLISON

PENNOCK
LAKE

GATHERING
LAKE

ROOT
BAY

SUPERB
LAKE

2

SPODUMENE CONCENTRATE

Mines and spodumene processing capacity



Flagship Seymour mine and processing plant



Additional GT1 mining operation(s) feeding expanded processing capacity



Potential third party spodumene concentrate

3

LITHIUM HYDROXIDE

Thunder Bay/Ontario lithium converter



Train 1: Initial 30 ktpa LiOH chemical plant



Train 2: Upgrade 30 - 60 ktpa LiOH chemical plant



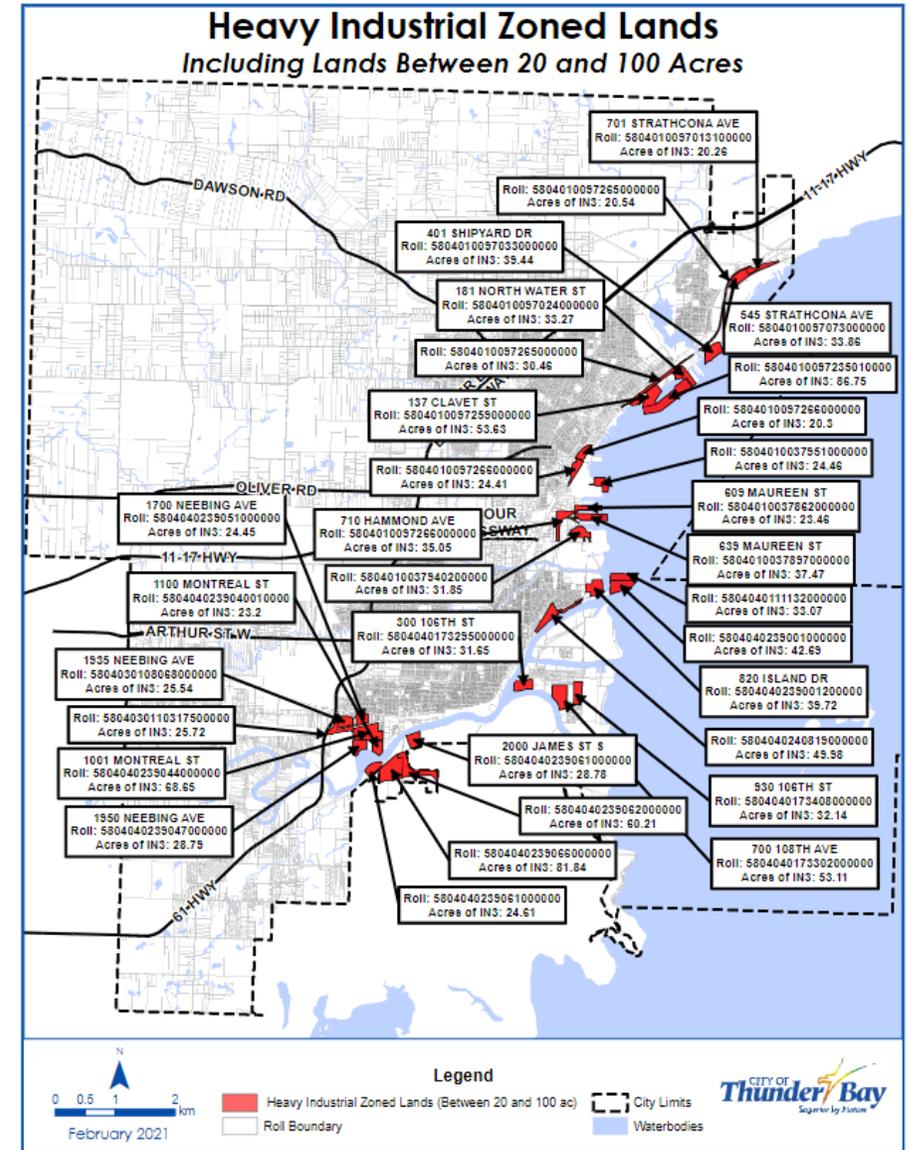
Train 3: Scale to >60 ktpa LiOH chemical plant

3. FAST-TRACKED Vertical lithium development



Three potential converter sites in Thunder Bay selected and under negotiation

- **Desktop studies** commenced on:
 - Spodumene **concentration** plant at Seymour Mine
 - Downstream LiOH **conversion** facility in Thunder Bay
- Over 50 potential heavy industry locations for lithium conversion facility in Thunder Bay identified and considered
- Numerous available regional port facilities
- Three key sites selected and under negotiation

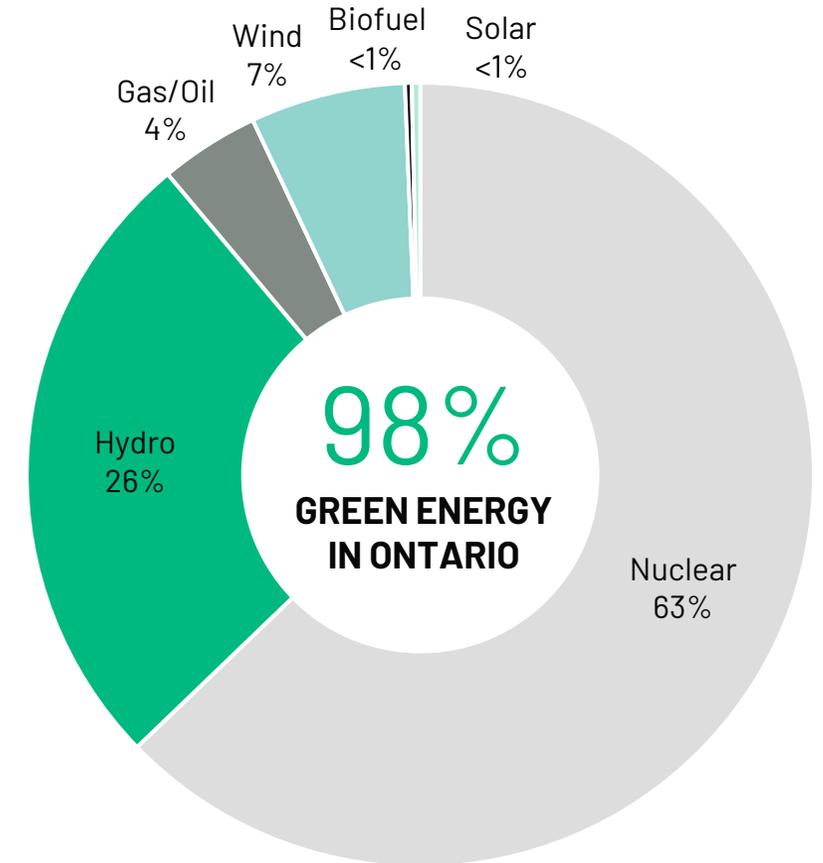


4. LOW CARBON Lithium



Low carbon process footprint enabled by Ontario's green power network

- Targeting the supply of highly competitive lithium products across all key dynamics: quality, cost, environmental, emissions, community
- Proximate to Hydro One hydro power interconnector providing access to environmentally responsible power
 - SC6 Concentrator
 - Thunder Bay Converter
- Evaluating combination of process water recycling technologies and dry tailing stacking to minimise fresh water consumption
- Ontario hosts a thriving agricultural industry that supports other industries such as mining with biofuels and seasonal staff
- Recent roll-out of the 2022 EU taxonomy for renewable power and sustainable finance will enable major private investment across the Lithium/EV space



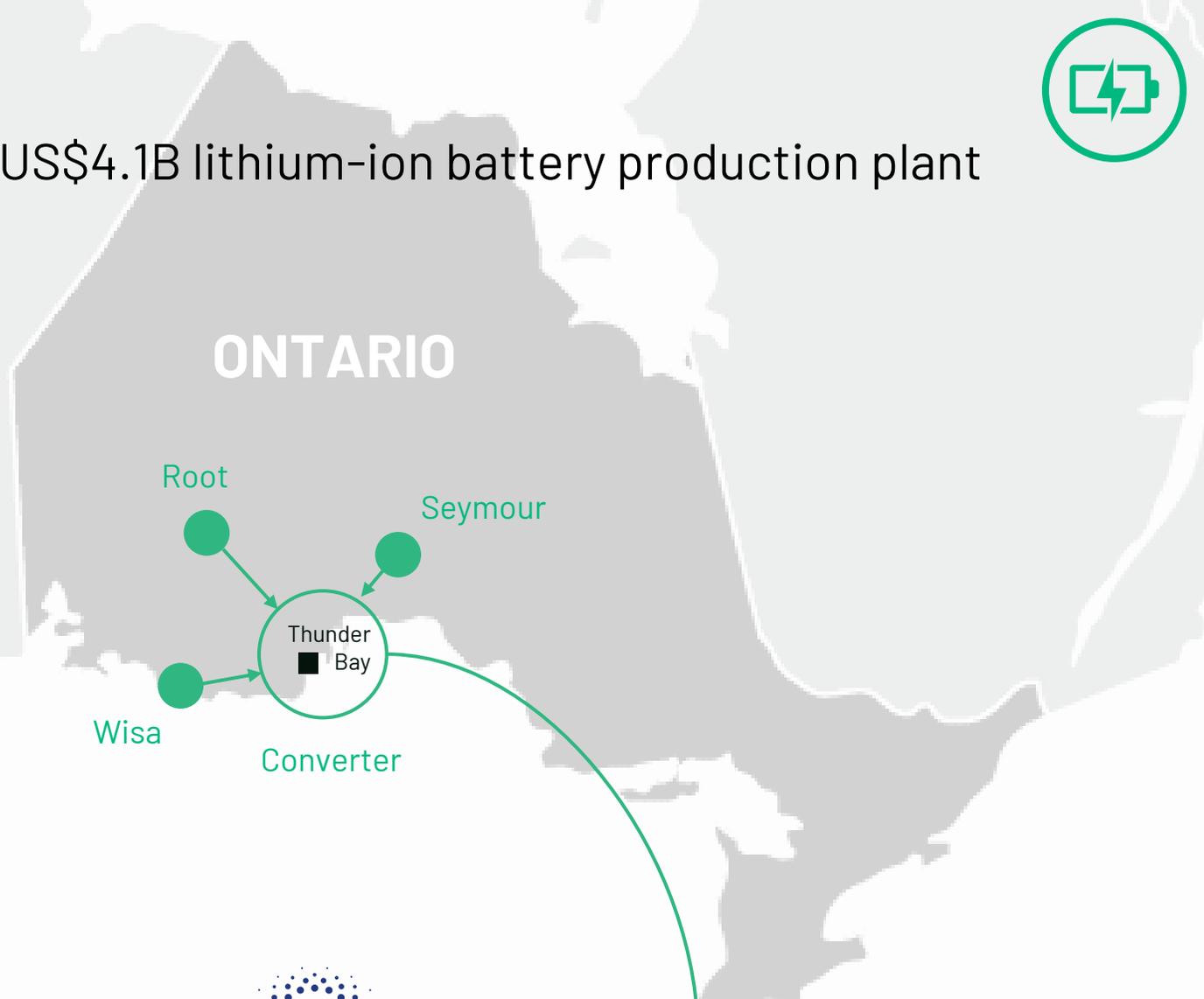
4. LOW CARBON Lithium



On the doorstep of the recently announced US\$4.1B lithium-ion battery production plant



Ideally positioned within the Ontario battery ecosystem to become the local lithium supplier of choice



40 GWh
of capacity in
Ontario requiring



5. EXTENSIVE Resource exploration upside

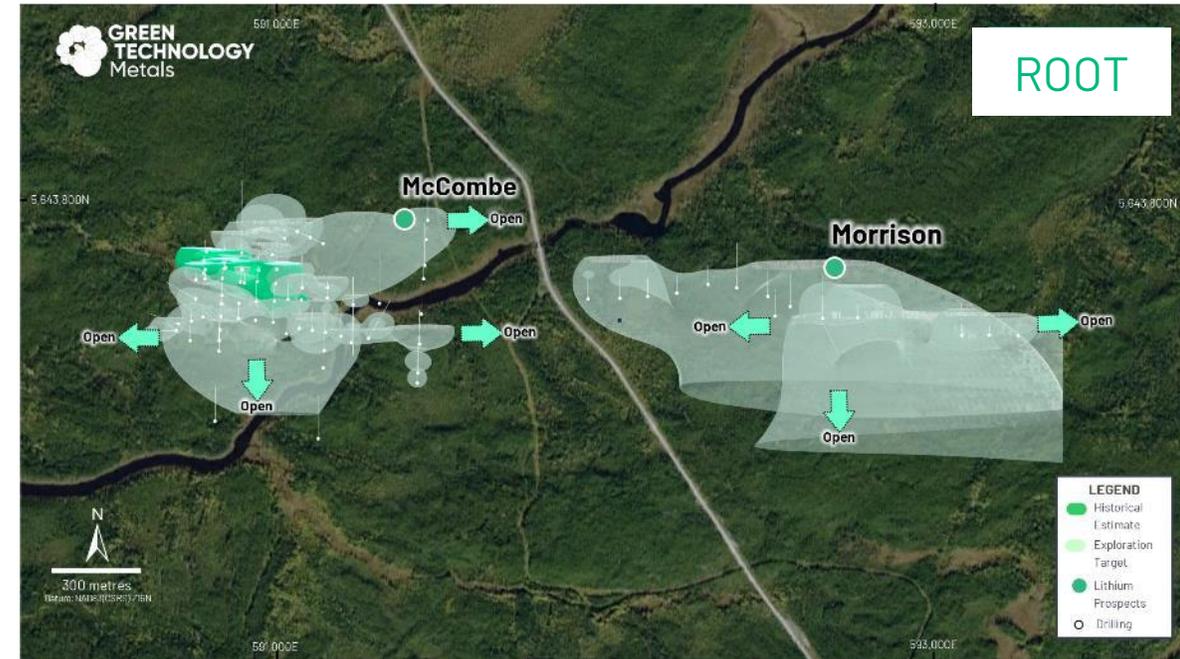


Root boasts significant along-strike and down-dip potential

- Exploration target **20 to 24 Mt @ 0.8 to 1.5% Li₂O**

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. See Appendix Exploration target

- Down dip grade continuity test confirmed 67m @ 1.7% Li₂O¹
- Patented Claims (landowner) over McCombe have simplified development process
- Implicit modelling has highlighted a pegmatite swarm with significant widths and grade at McCombe
- Planned drilling program in H2 CY22



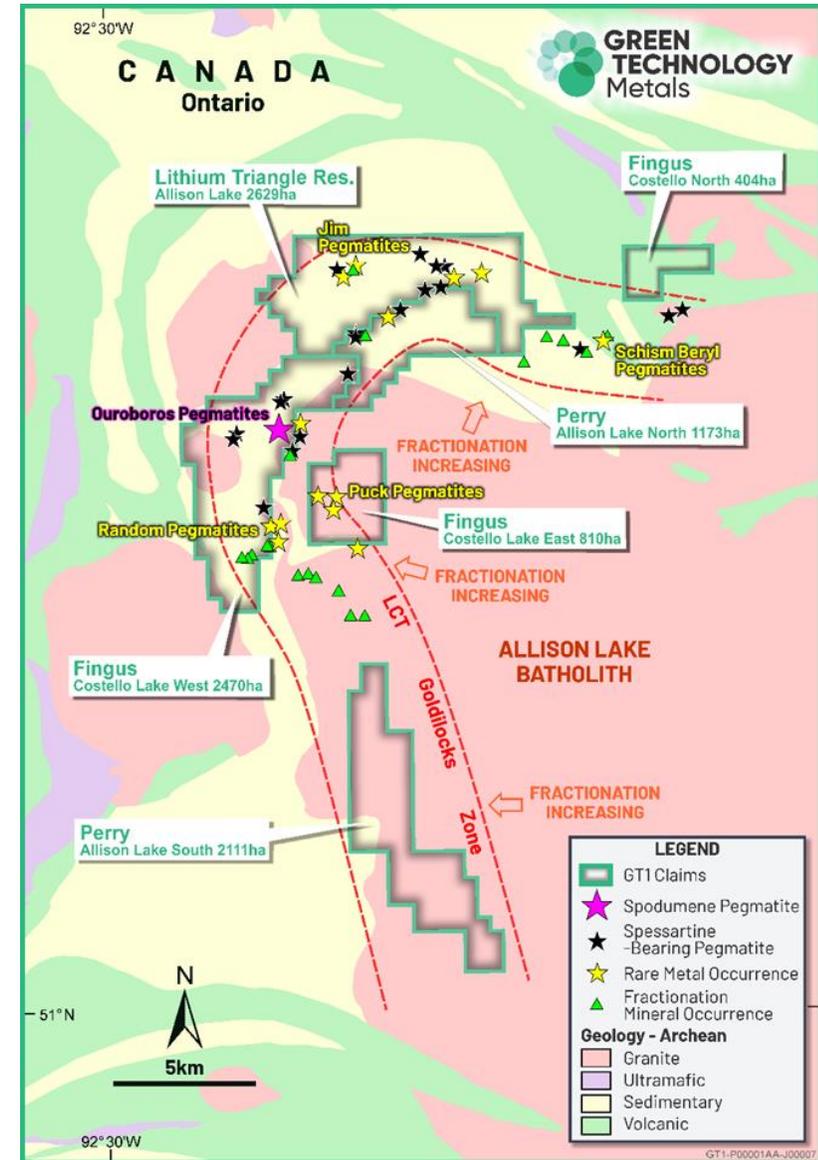
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5. EXTENSIVE Resource exploration upside



Allison Batholith highly prospective for lithium

- Highly prospective for evolved **Lithium type pegmatites**
- Numerous **pegmatite swarms** mapped along logging roads, with more to be mapped
- F.W. **Breaks** commented
“The Allison Lake batholith represents an important **new exploration target** for rare-element mineralization and is the **largest** such granite thus far documented in **Ontario**.”¹
- Ouroboros Pegmatites hosting **spodumene** mineralisation were located, proving lithium rich pegmatites exist in the corridor



5. EXTENSIVE Resource exploration upside

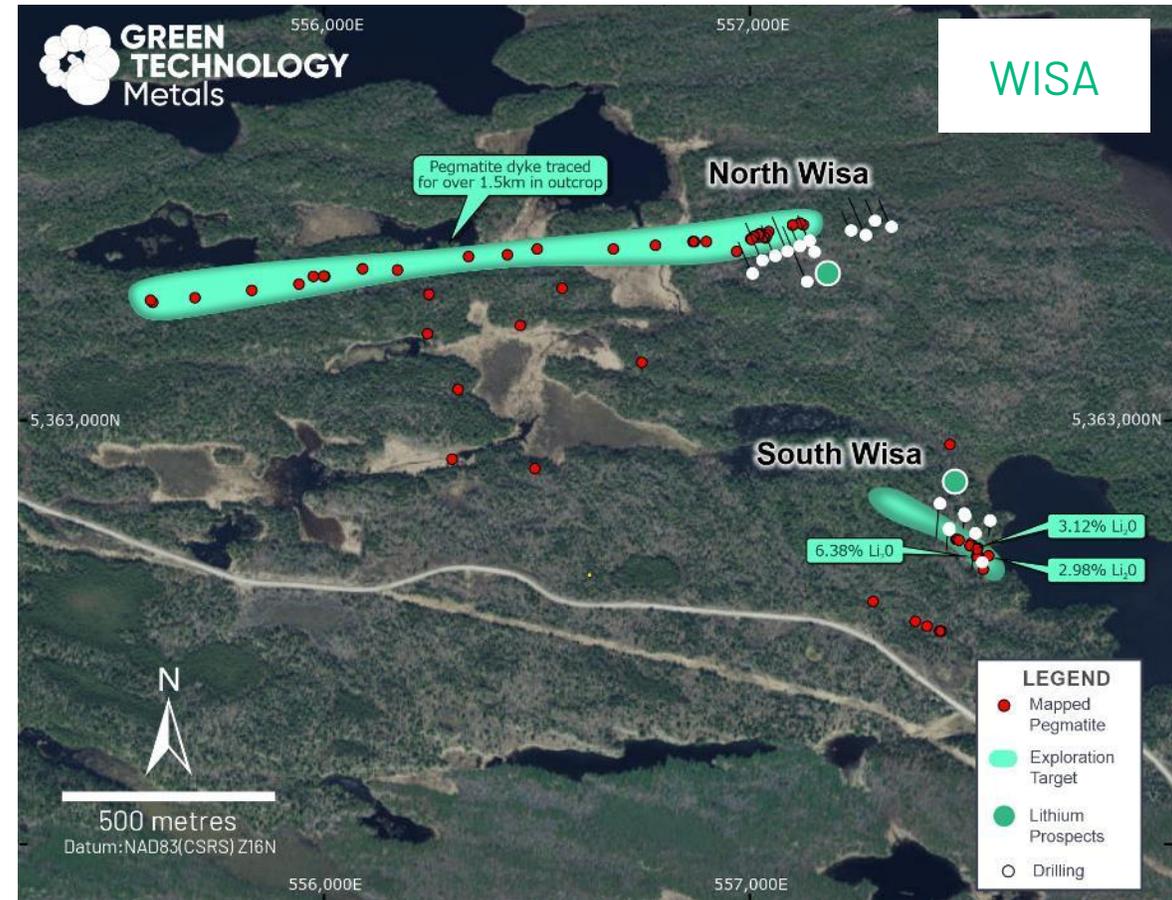


Wisa is strategically located 8km from the US border

- Tenement base that covers 18.9km², historically an under-explored area
- Exploration target **8 - 10 Mt @ 0.8 to 1.5% Li₂O**

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. See Appendix Exploration target

- **Multiple zones** – North Zone displays sheeted south dipping pegmatites open at depth and South Zone displays dipping pegmatites
- **Accessible** – established all seasons road 40km from Trans Canadian Highway

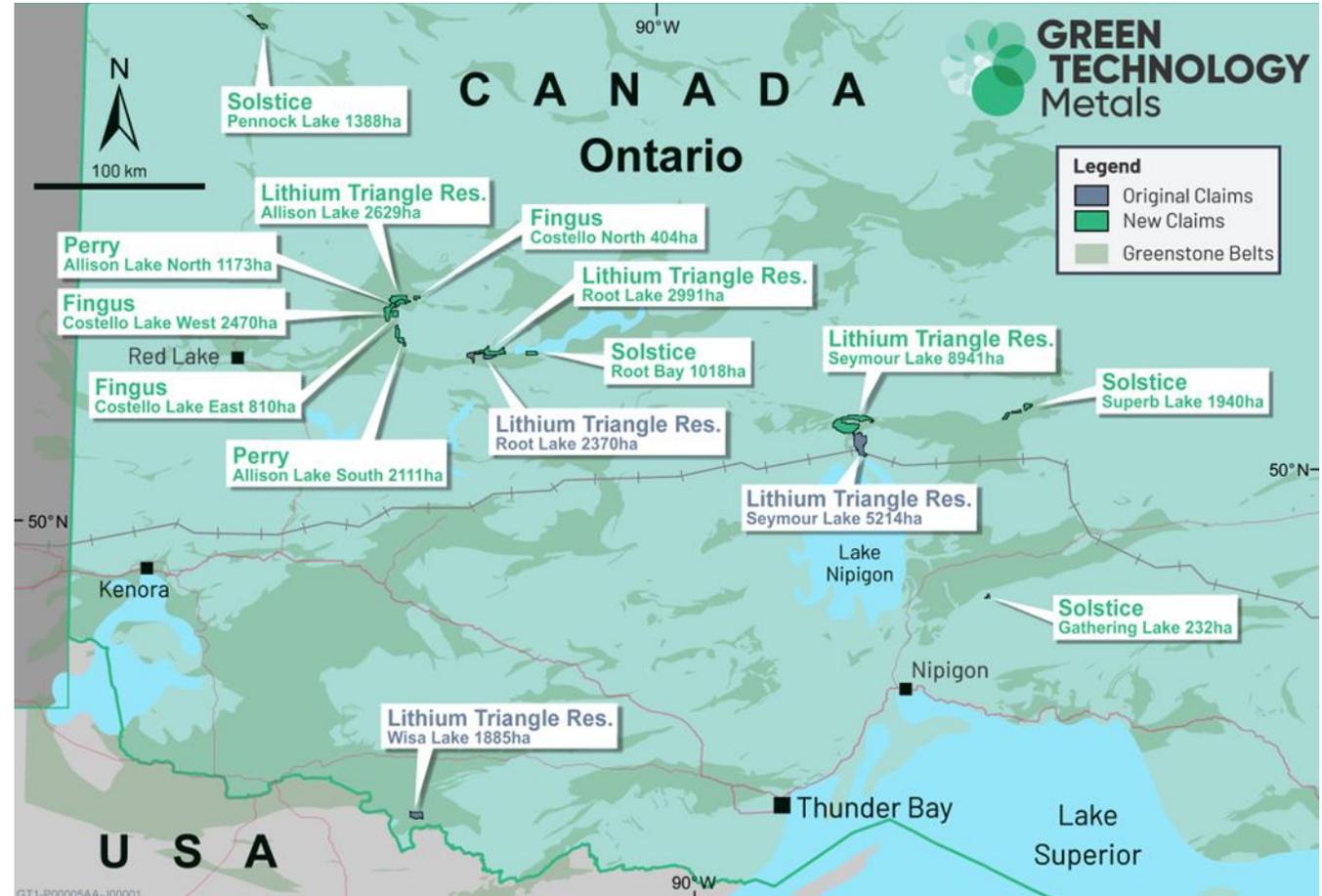


5. EXTENSIVE Resource exploration upside



Expanded 35kHa total land package with limited historical exploration

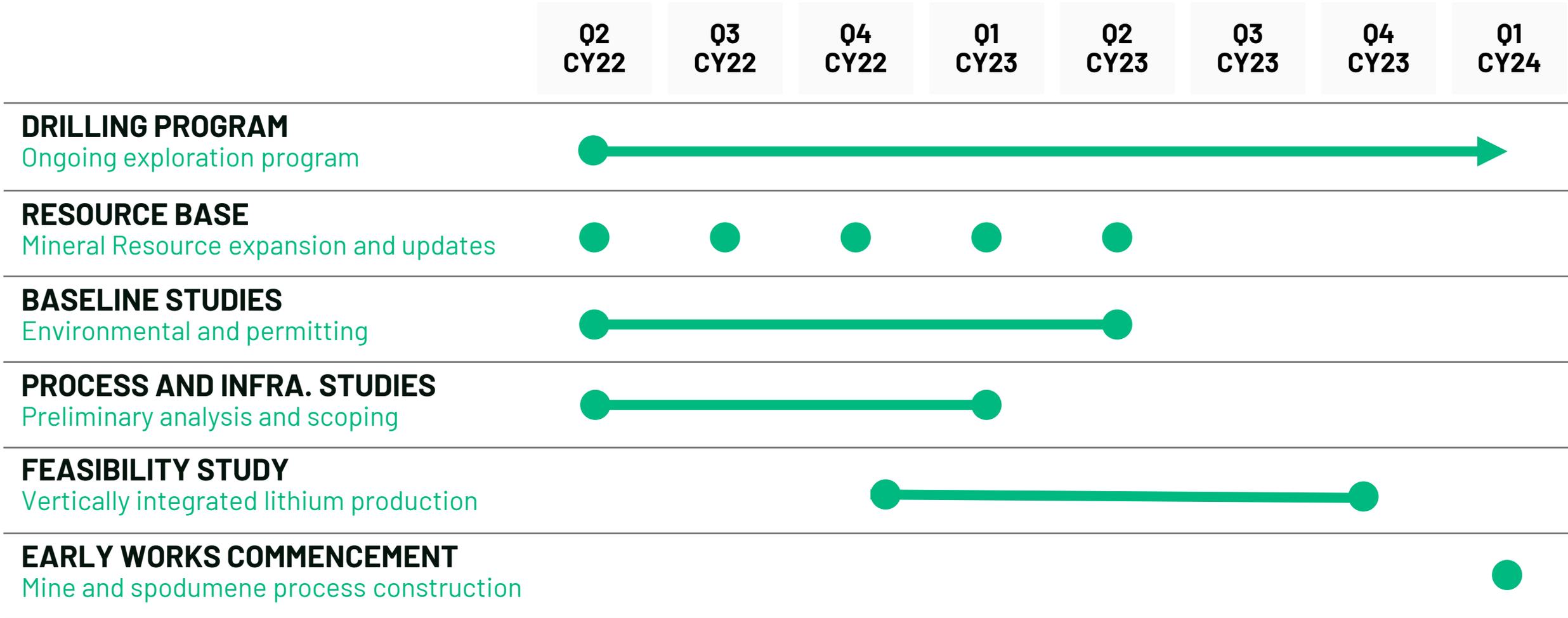
- Phase 1, 2 and 3 of the ongoing drill program at Seymour is expected cover a **total 73 holes and ~13,000 km** and deliver **significant progressive upgrades to the existing Mineral Resource estimate**
- Early assay results have **affirmed prospective nature** of GT1's original claims
- Secured additional claims around Seymour and Root, the **new Allison prospect** and Solstice claims (containing the project areas **Pennock Lake, Root Bay, Superb Lake and Gathering Lake**)
- Accelerated, targeted exploration across the broader project portfolio provides **outstanding potential to further grow resources rapidly and substantially**



5. FAST-TRACKED Vertical lithium development



Targeted Feasibility Study completion in H2 CY23 and early works commencing early CY24



The timetable is indicative and subject to change

INVESTMENT Highlights



BEST-IN-CLASS LITHIUM TEAM

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



FLAGSHIP SEYMOUR MINE PROJECT

Aggressive three-phase drilling program to rapidly build critical-mass resource inventory and progress to mine evaluation



FAST-TRACKED VERTICAL LITHIUM DEVELOPMENT

Baseline environmental and mine permitting studies commenced with multiple LiOH converter sites selected and optioned in Thunder Bay



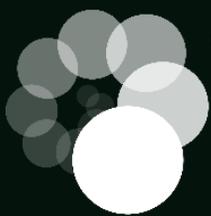
LOW CARBON LITHIUM

Ontario's extensive hydro power generation supports strong capability to deliver highly demanded, low carbon lithium products

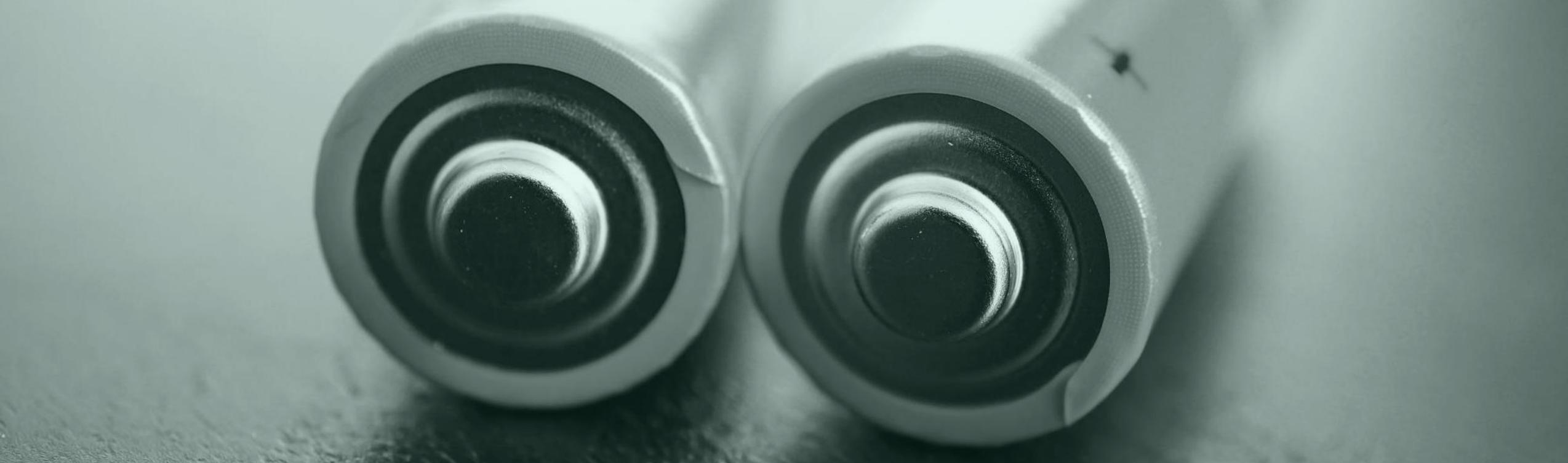


EXTENSIVE RESOURCE UPSIDE

Multiple potential lithium mine projects to be advanced across a large-scale, strategic Ontario landholding



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CONTACT Details

CHIEF EXECUTIVE OFFICER

[Luke Cox](#)

Unit 6/94 Rokeby Rd, Subiaco

Perth, Western Australia 6008

Email: luke@greentm.com.au

INVESTOR RELATIONS AND MEDIA

[Fivemark Partners](#)

Email: andrew.edge@fivemark.com.au

SHARE REGISTRY

[Automic Group](#)

Email: hello@automic.com.au

APPENDIX Resource estimate

Seymour Mine Project

Seymour ¹				
Area	Category	Mt	Li ₂ O (%)	Ta ₂ O ₅ (ppm)
North Aubry	Indicated	2.13	1.29	210
North Aubry	Inferred	1.70	1.50	189
South Aubry	Inferred	1.00	0.80	128
Total		4.83	1.25	186

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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

All exploration targets will be tested by field mapping and drilling over a period of 24 months

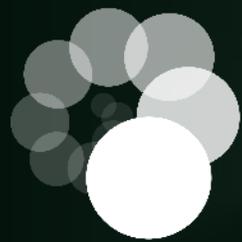
APPENDIX Competent Persons Statement

The information in this presentation that relates to Exploration Results and Mineral Resources for the projects in which the Company has tenure over was first released in the Company's prospectus lodged with ASIC on 16 September 2021 (Prospectus) in respect of its initial public offer of shares on ASX. The Company confirms that it is not aware of any new information or data that materially affects the information in the Prospectus and that the material assumptions and technical parameters underpinning the Mineral Resource continue to apply and have not materially changed.

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.



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