

GREEN TECHNOLOGY

Metals



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

September 2022

ASX|GT1



OUR CORE STRATEGY

Green Technology Metals is a Canadian focused lithium development business

Building the pre-eminent vertically integrated lithium business in Ontario

OUR DELIVERY PLAN

For a vertically integrated lithium business



Define a critical mass resource, **partner** with the world's best to rapidly advance project development and **unlock** full value potential

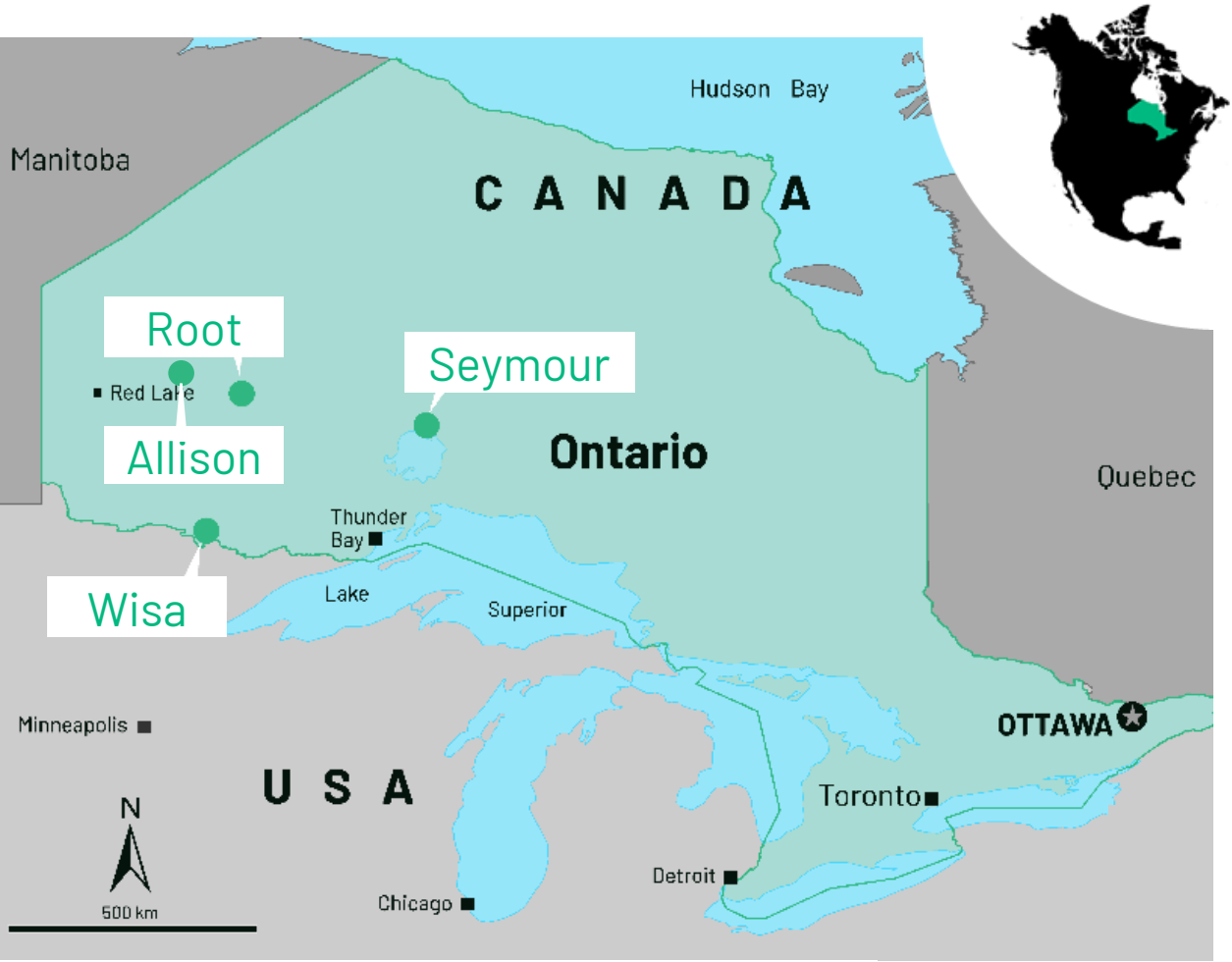
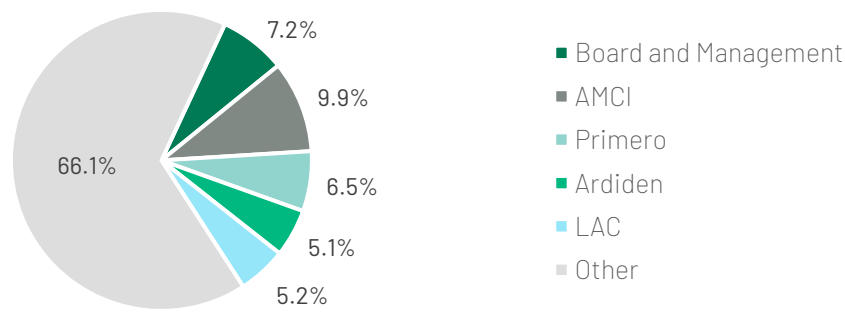


CORPORATE SNAPSHOT

CAPITAL STRUCTURE | ASX:GT1

Share price (at 1 September 2022)	A\$0.695
Shares on issue (at 1 September 2022)	253.9M
Market capitalisation	A\$176.4M
Cash (at 30 June 2022)	A\$65.2M
Debt (at 30 June 2022)	A\$0M
EV	A\$111.3M
Options	5.8M
Performance rights	15.5M

SHARE REGISTER



BEST-IN-CLASS LITHIUM TEAM



JOHN YOUNG
Non-Executive
Chairman

- Highly experienced geologist
- Co-founder and previous Executive Director of Pilbara Minerals Ltd
- Current Non-Executive Director of RareX Limited and Trek Metals Limited



CAMERON HENRY
Non-Executive
Director

- Founding Managing Director of Primero Group
- 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
- CEO/MD of Arviden, previous GM Geology at Sundance Resources



ESTABLISHED OPERATIONS HUB IN ONTARIO



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

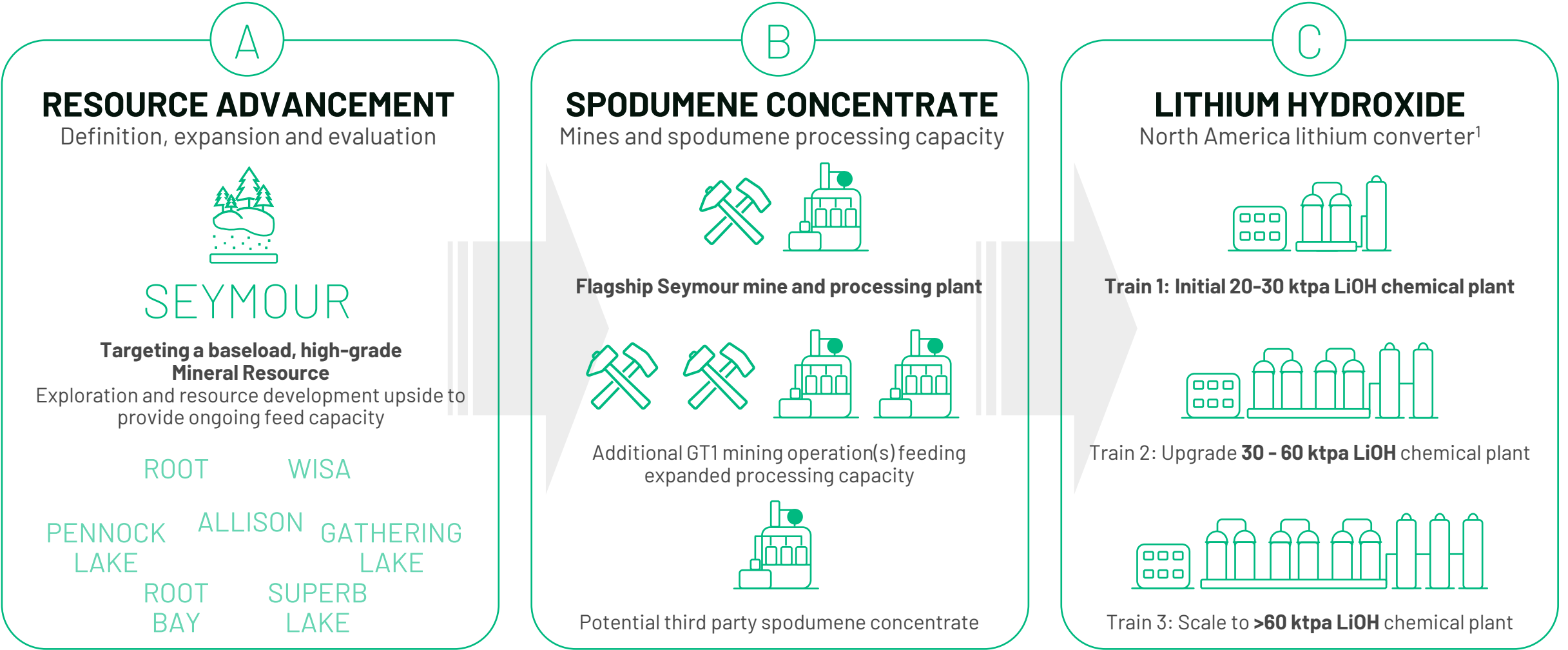
JOHN WINTERBOTTOM

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



VERTICALLY INTEGRATED LITHIUM BUSINESS



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.



DEFINE A CRITICAL-MASS RESOURCE



We are targeting rapid definition of a baseload, high-grade Mineral Resource

We deeply believe in the significant resource upside at **our flagship Seymour Project**

Our aggressive exploration program has delivered immediate resource success

Additional program results are expected to further increase our resource base

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.

Key exploration detail

9.9 Mt

SEYMOUR JORC MINERAL RESOURCE ESTIMATE

1.04%

AVERAGE Li_2O GRADE WITH INDICATED 5.2 Mt @ 1.29%

41k Ha

CLAIM BASE IN PRIME PEGMATITE COUNTRY

50 – 60 Mt

0.8 to 1.5% Li_2O EXPLORATION TARGET ACROSS

4 AREAS

SEYMOUR, ROOT, WISA AND ALISON PROJECT AREAS



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.



PARTNER WITH THE WORLD'S BEST



We set ourselves lofty growth aspirations

To successfully deliver on our core strategy we recognise the need to partner with the world's best

In cultivating existing partnerships and continuing to expand our network we realise substantial benefits:

- In-country licence to operate
- Accelerated internal study work timeframes and expertise
- Direct access to globally leading lithium processing and conversion, design and construction, and operational expertise
- Access to extensive global financing and relationship networks



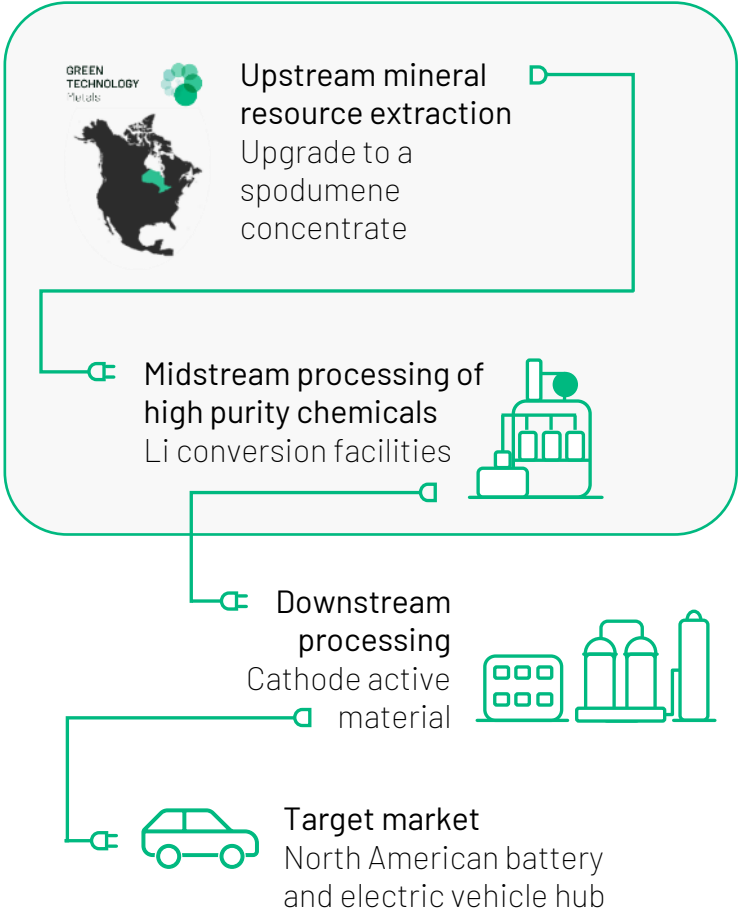
UNLOCK FULL VALUE POTENTIAL



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

For us, this means allocating attention to midstream processing opportunities now and building our supply chain strategy

By doing this, we ensure we are set to capitalise on product expansion through vertical integration when the time is right



BUILDING A VERTICALLY INTEGRATED LITHIUM BUSINESS

1. LEVERAGE
PARTNERSHIPS

2. BUILD
RESOURCE

3. DRIVE
PERMITTING

4. ACCELERATE
DEVELOPMENT



1. LEVERAGE PARTNERSHIPS

- Primero relationship delivers full-cycle lithium capability

PRIMERO

Founding cornerstone;
6.4% shareholder

- Deeply experienced in hard rock lithium mineral processing globally
- Industry leading up- and down-stream capability in the lithium minerals sector
- Developed hard rock lithium concentration and conversion facilities
- Full asset life-cycle delivery through feasibility, design, construction and operation
- Feasibility evaluation and build of lithium conversion facilities in close partnership



1. LEVERAGE PARTNERSHIPS

- Further substantial financial and technical partnerships

LithiumAmericas

Strategic investment and collaboration;
5.2% shareholder

- Cooperative evaluation of all aspects within the lithium processing and production value chain
- Expertise with respect to production of both intermediate and final lithium products
- Lithium Technical Development Centre in Reno provides ability to test and develop lithium products
- Formalising collaboration agreement for development of a complete hard rock strategy in North America

AMCI

Founding cornerstone;
9.9% shareholder

- Invest in and operate natural resource, transportation, infrastructure, metals and energy businesses
- Expertise in the support of expansion, mergers and acquisitions and operational enhancements
- Strong strategic partner with a track record of funding developments into operations



2. BUILD RESOURCE

• High-grade projects with large scale strategic footprint¹

EASTERN HUB

SEYMOUR

ONGOING AGGRESSIVE DRILL PROGRAM DELIVERED IMMEDIATE RESOURCE SUCCESS

Mineral Resource 9.9 Mt at 1.04% Li₂O
Indicated category 5.2Mt at 1.29% Li₂O

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

WESTERN HUB

ROOT

DENSE PEGMATITE SWARM ON GRANTED MINING LEASE

Exploration Target:
20-24Mt at 0.8-1.5% Li₂O

ALLISON

HIGHLY PROSPECTIVE ARCHEON GREENSTONE TENURE

Expanded total land package now 35kHa

WISA

LARGE, UNDER-EXPLORED TENAMENT BASE COVERING 19km²

Exploration Target:
8-10Mt at 0.8-1.5% Li₂O

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.



1. The Company holds a 80% interest in the Ontario Lithium Projects (Seymour, Root and Wisa) under a joint venture with Ardiden Limited (ASX: ADV), Allison is wholly owned by Green Technology Metals
2. 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.



2 BUILD RESOURCE: SEYMOUR PROJECT

- Aggressive ongoing drilling; two diamond rigs spinning

AUBRY COMPLEX

- Initial drill program delivered immediate success; approximate doubling of existing resource
- Recent extensional intersections considerably thicker than modelled
- Current drilling targeting extensions along strike and to the north of known mineralisation

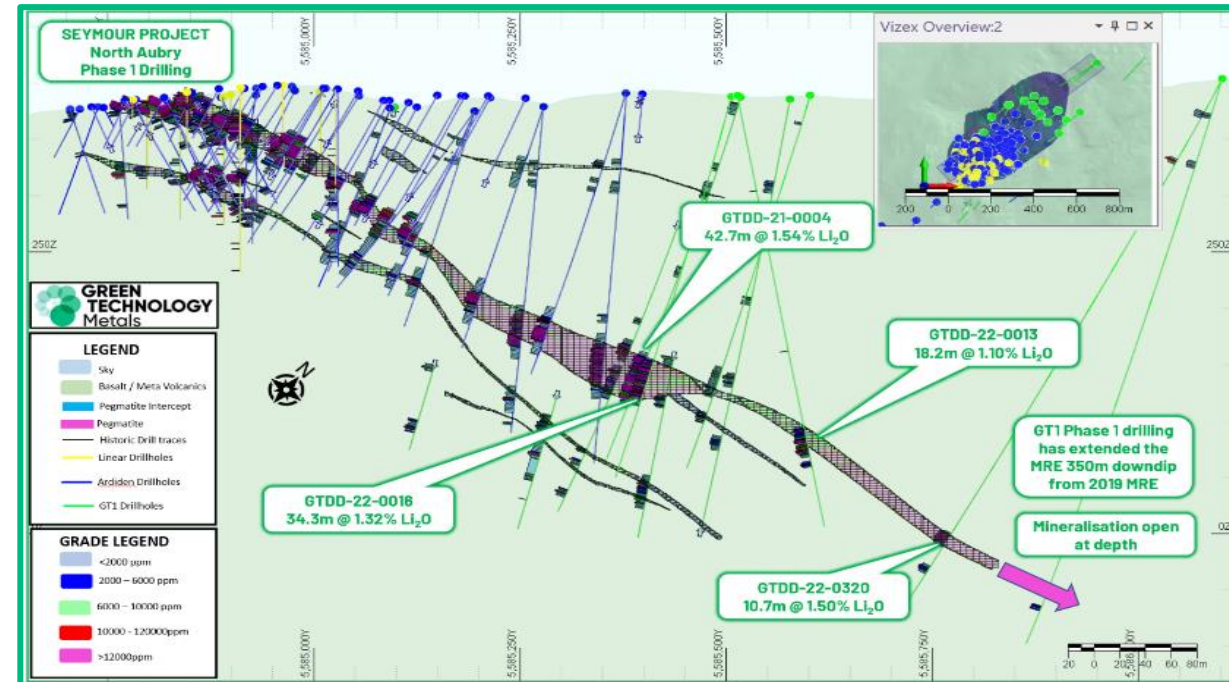


PYE COMPLEX

- Located approximately 1km east of the Aubry system
- Drill confirmed fractionated LCT pegmatite, drilling now targeting significant N-S strike length

FORSYTH

- Visible targets - numerous fractionated pegmatites exposed at surface striking east-west
- Correlates with geophysical targets generated by SGC 2022



1. GT1 Drill Core GTDD-21-004 - see announcement "Maiden hole at Seymour intersects 40m at 1.54% Li₂O" 17 January 2022
2. Seymour Project cross section - see announcement "Interim Seymour Mineral Resource Doubles" 23 June 2022.

2 BUILD RESOURCE: SEYMOUR PROJECT

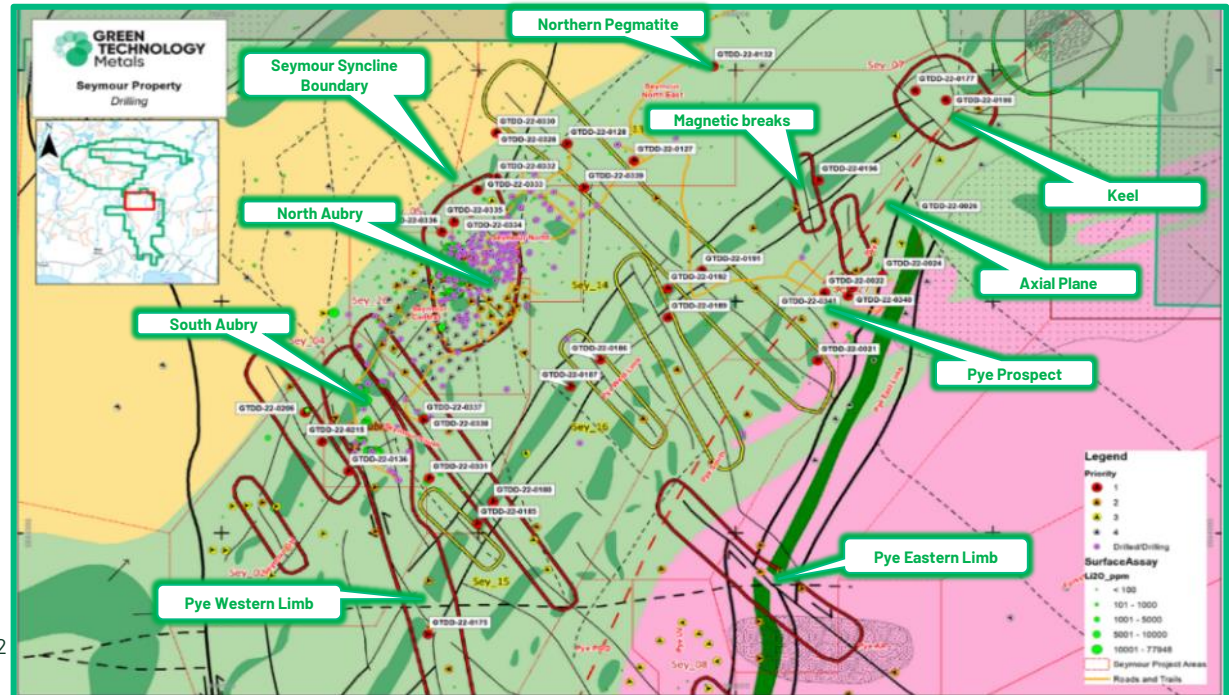
• Geophysical targeting and field mapping driving target pipeline

FIELD ACTIVITIES

- Ground testing interpreted geophysical targets
- Major magnetitic structures mapped along strike for breaks and intrusive activity
- Ground geophysics commencing to test targets under glacial cover
- Lidar interpretation commenced to delineate surface exposure of pegmatites

GEOPHYSICAL TARGETING

- Non-magnetic or demagnetised zones interpreted as localised intrusions
- Dilatational settings such as fault intersections, shear zones, kinks, or bends in magnetics
- Intersections of secondary faults with major ones; feeder zones from eastern granite



1. GT1 Drill Core GTDD-22-003 - see announcement "North Aubry Deposit Extended Down Dip And Along Strike" 8 March 2022

2. Seymour Property Drilling Map - see announcement "Further Extensional Drilling Success at North Aubry" 22 August 2022.



2. BUILD RESOURCE: ROOT PROJECT

• Drilling commenced, rapid resource definition

MCCOMBE DEPOSIT

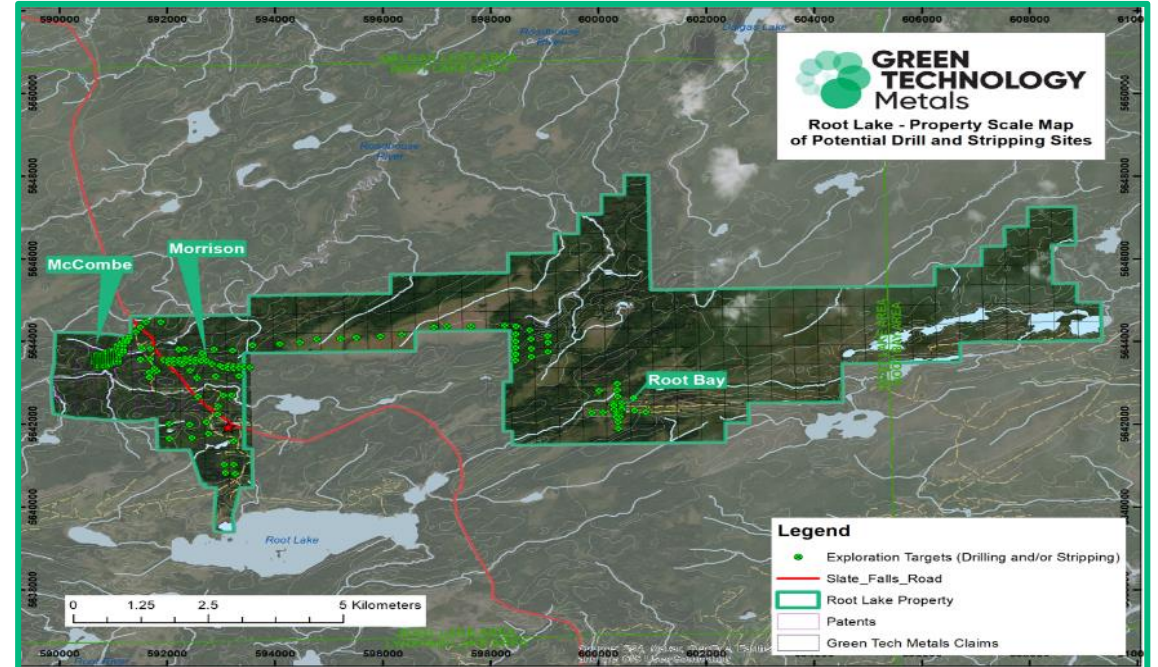
- Patent Mining Permit over McCombe
- Historical resource estimate and drilling
- Resource drilling commenced
- Fast-tracking initial Mineral Resource estimate

MORRISON

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

ROOT BAY

- Prospect located approx. 5km east of Morrison
- Field sampling confirmed LCT pegmatite



3. DRIVE PERMITTING

• Seymour baseline studies well advanced

Moved immediately on environmental baseline study work for a future development at North Seymour

- Baseline studies critical path item
- Required for mine permitting and development
- Currently in Year 2 of 3-year study timeframe

STUDY CONSULTANTS

- North Winds – Fauna and Flora
- Englobe – Water Management
- TBT Engineering – bore drilling and study setup

STUDY TYPES

- Fauna and Flora
- Ground and Surface Water
- Archaeology



3. DRIVE PERMITTING

- Approval works commenced; strong governmental support

Rapidly progressing all regulatory and social licence to operate imperatives for Seymour

CONSULTATION

- Indigenous Consultation
- Public Consultation

ENVIRONMENTAL ASSESSMENT

- Applicable federal requirements (Impact Assessment Act)
- Applicable provincial requirements (Environmental Assessment Act)

PERMITTING

- Federal and Provincial
- Closure Plan with Financial Assurance



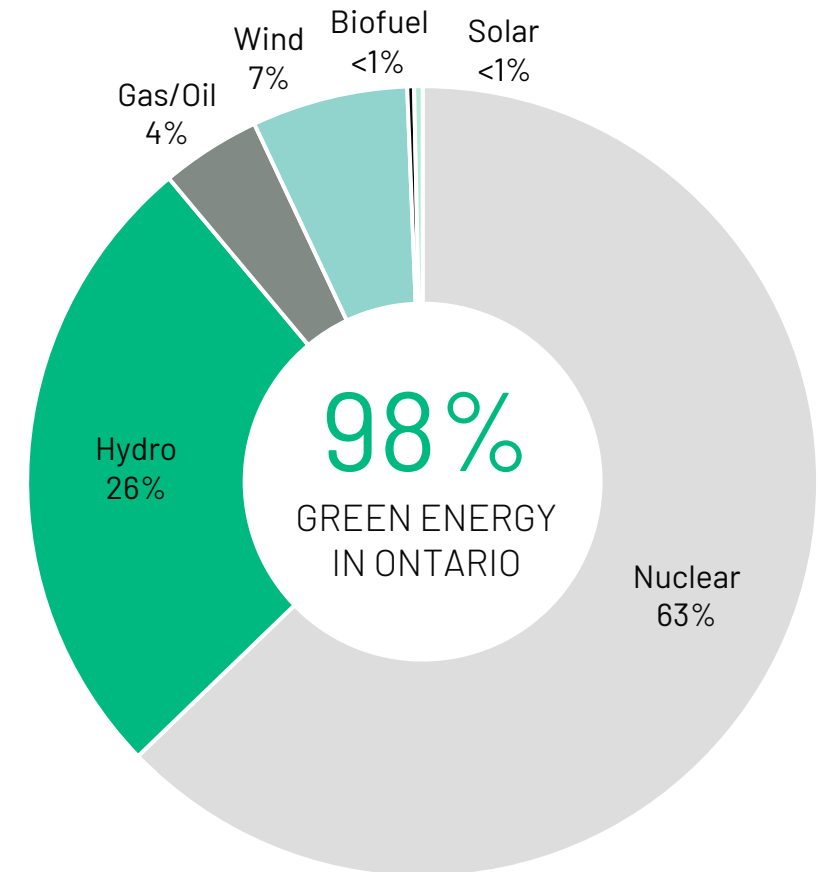
3. DRIVE PERMITTING

• Committed to green energy project development

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

GT1 is actively targeting the future supply of highly carbon competitive lithium products utilising:

- Ready availability of established grid and transmission infrastructure
- Low cost, local renewable power
- Jackfish Hydro (Seymour) – in planning stage
- Wataynikaneyap Power (Root) – indigenous owned and built business
- European Union greenlight for investment



Data Reference Source: <http://www.ieso.ca/power-data/supply-overview/transmission-connected-generation>



4 ACCELERATE DEVELOPMENT

• Lithium supply crunch on unprecedented scale

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

- Lithium ore supply expected to take 5-8 years to catch-up to current levels of demand
- Lagging investment in North American lithium supply and conversion leaving China with majority control of global supply
- Major expansion in cathode and EV manufacturing facilities is adding to the supply crunch
- North American governments pushing for and incentivising new domestic supply
- National security issue relying on non-US trade partner supply



4 ACCELERATE DEVELOPMENT

• U.S. actively driving EV demand and local critical mineral supply

Canada, Ontario province and GT1
primely positioned to benefit

- U.S. Inflation Reduction Act 2022 provides significant consumer tax credit incentives for EV purchases
- These incentives require a threshold proportion of battery minerals in qualifying vehicles to be sourced from and/or processed in the U.S. or Canada (plus other U.S. FTA partners)
- Key initiative directed at boosting North American output of lithium and localising critical minerals supply chains
- Set to deliver a sharp acceleration of EV take-up and heightened focus on North America for automaker battery minerals sourcing



4 ACCELERATE DEVELOPMENT

• Seymour Preliminary Economic Assessment commenced

PEA underway to demonstrate robust technical and commercial viability

- Jointly managed by GT1 and Primero (external study lead)
- Incorporates a vertically integrated lithium development
- Support from specialised discipline consultants
- Long-lead feasibility test work has also commenced to fast-track the project from PEA to Feasibility Study, specifically:
 - Water balance
 - Waste rock characterisation
 - Biological studies
 - Geotechnical studies
 - Aggregate test work
 - Mine optimisation
 - Infrastructure road/rail access
 - Metallurgical test work
 - Dry stacking
 - Pilot plant test work



4 ACCELERATE DEVELOPMENT

- Infrastructure ready, low capex, low carbon

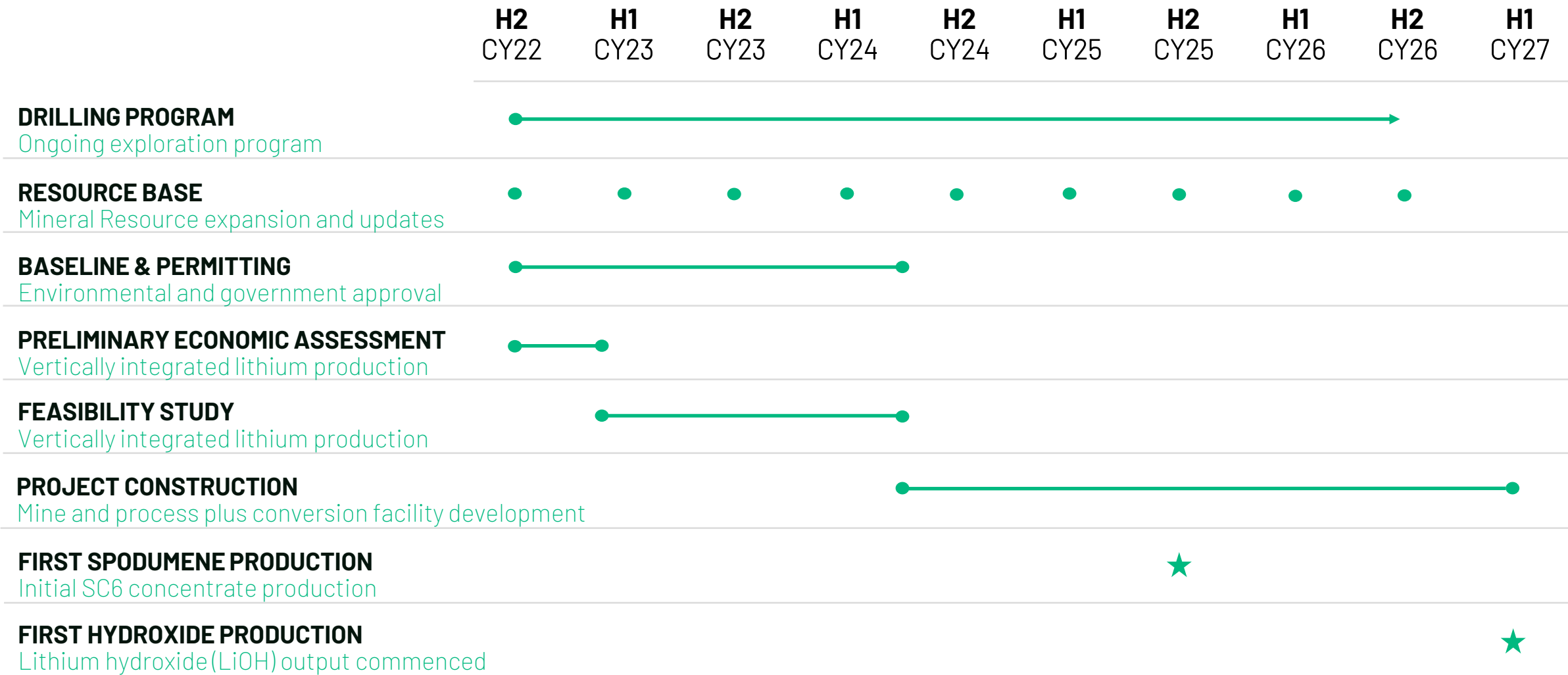
Substantial existing infrastructure advantages for Seymour & Root

- 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



4 ACCELERATE DEVELOPMENT

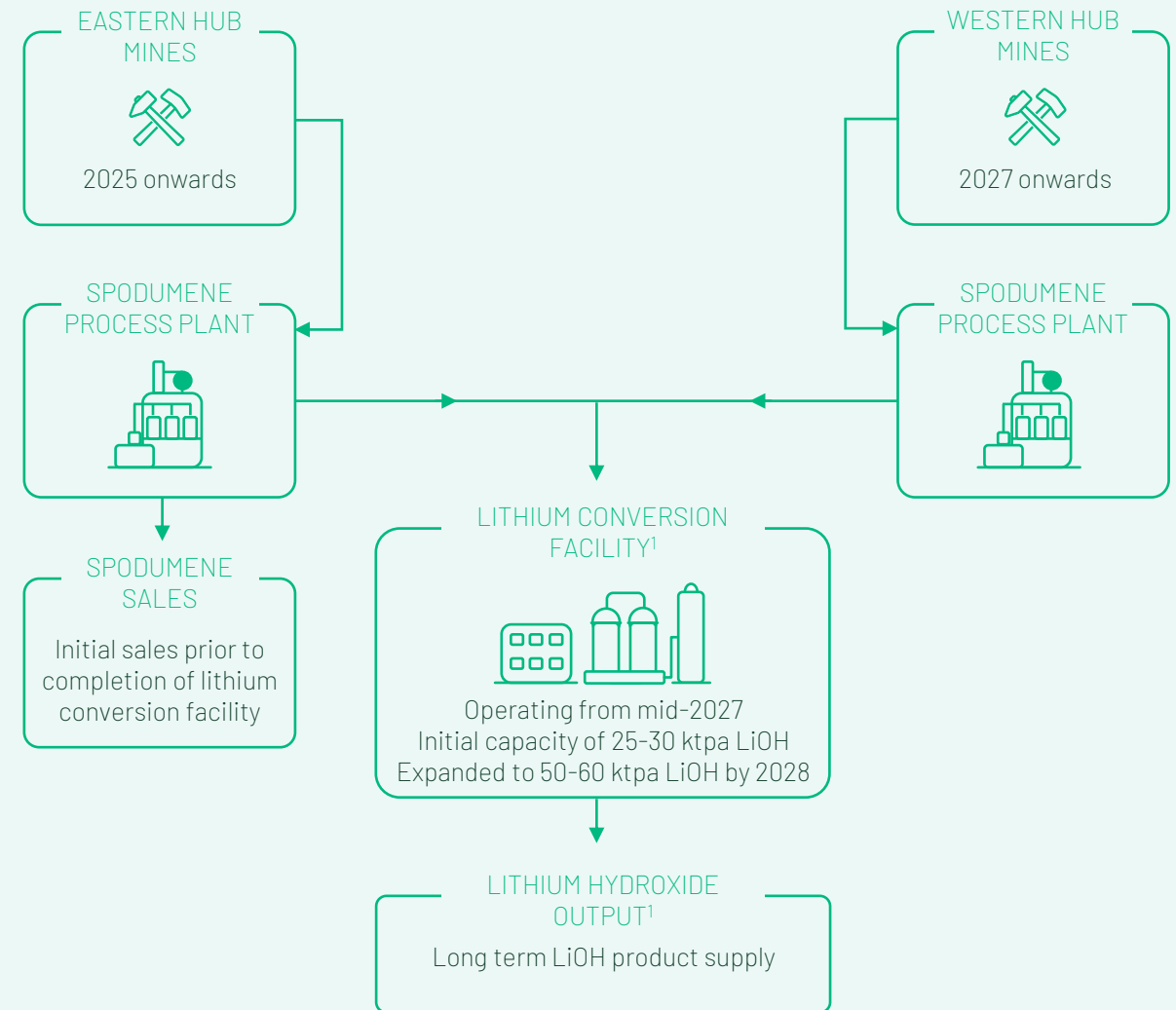
• First spodumene production targeted by mid-2025



THE LONG-TERM BUSINESS VALUE VISION

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

Targeting delivery of sustainable, long-term lithium hydroxide supply for the North American battery chain



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.



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Share registry

Automic Group

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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.

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 | 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.

