



---

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

**Investor Presentation – Bell Potter Unearthed**  
**February 2023**

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

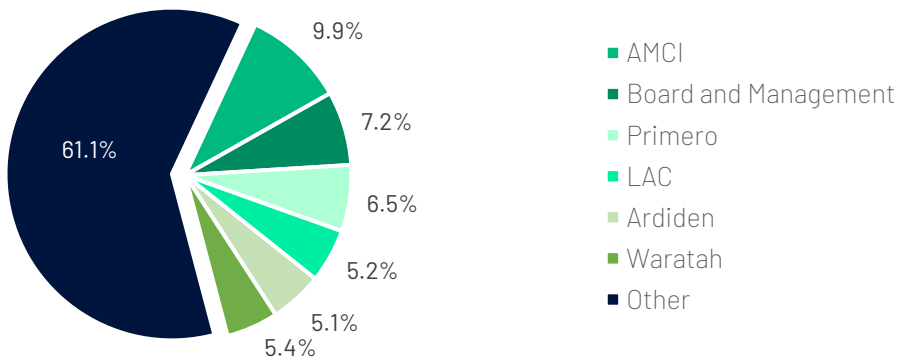
- We have everything we need to accelerate development to become a vertically integrated lithium business.
- We will unlock our value taking this all the way down the supply chain all the way from exploration.





# CORPORATE SNAPSHOT



## SHARE REGISTER



## BROKER RESEARCH COVERAGE

	Canaccord Genuity (Australia) Limited		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".



# 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

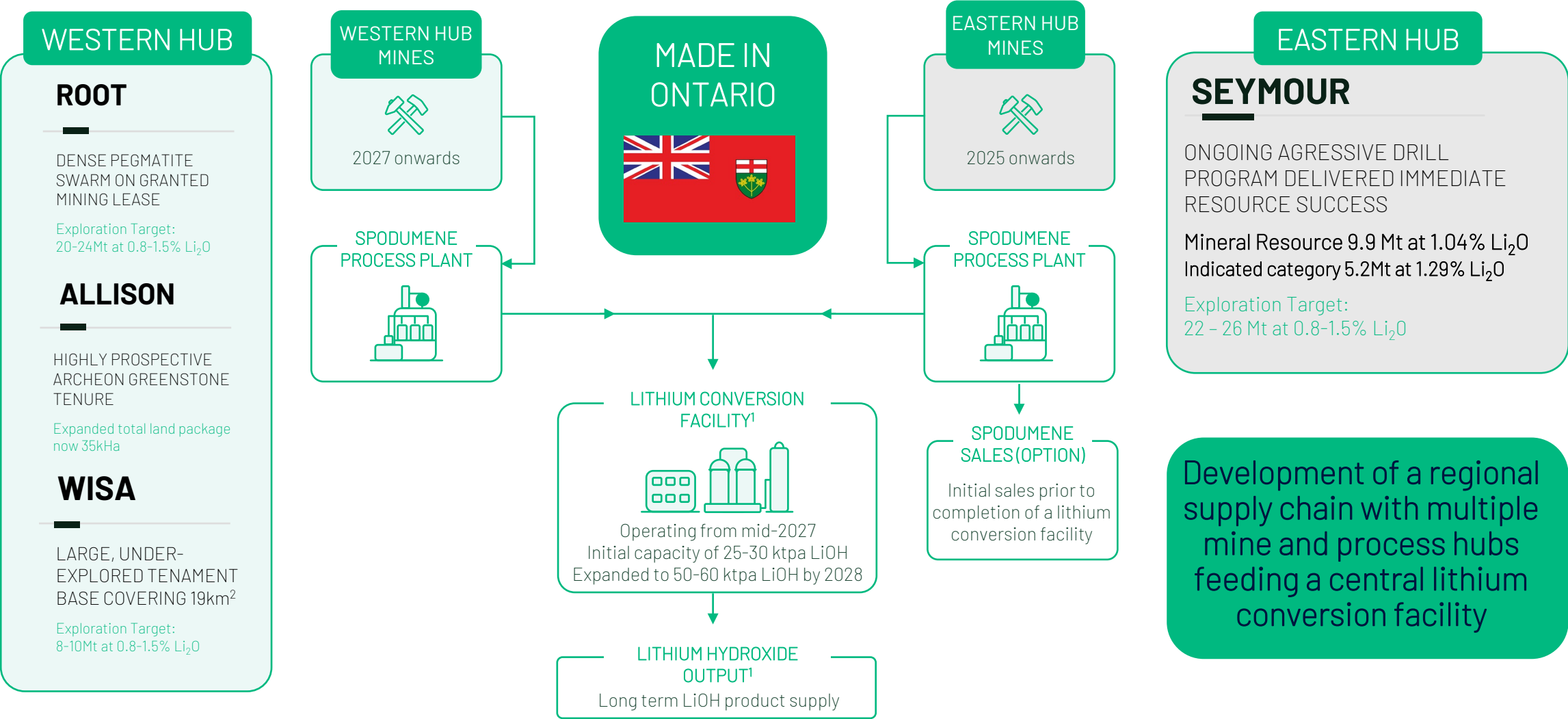
- Strong strategic partner to assist with the financial backing to accelerate development
- Major international mine owner, operator, marketer and strategic equity investor to the natural resource industry
- Track record of funding developments into operations.

## 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

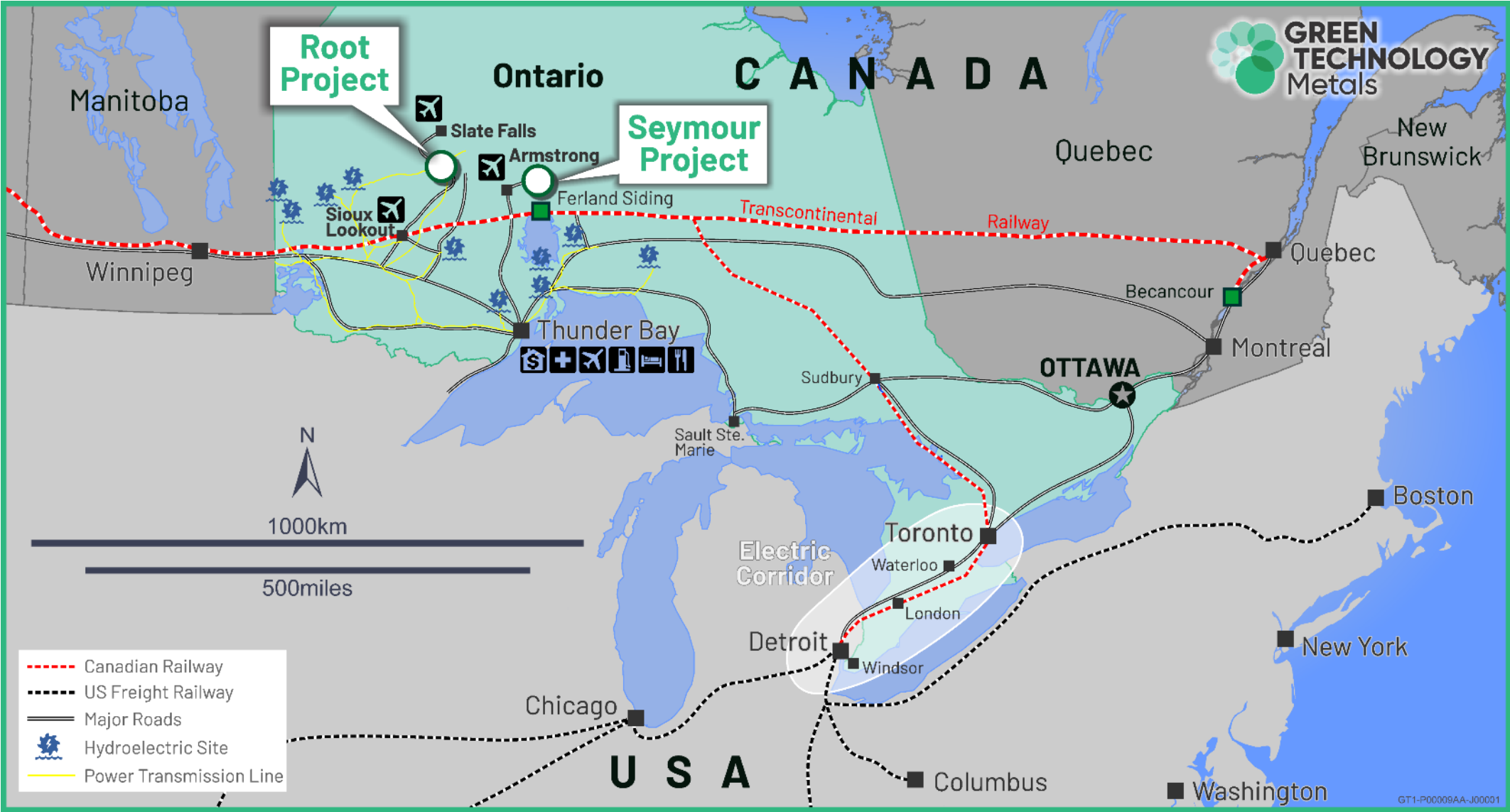


1. The potential quantity and grade of Exploration Targets is estimation conceptual in nature, there has been insufficient exploration to estimate a Mineral Resource in these areas and it is uncertain if further exploration will result in the of a Mineral Resource in these areas. For detail refer to 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
- ✓ 100% Ownership of all Projects
- ✓ Root Royalty extinguished
- ✓ Coarse Spodumene Concentrate Produced at Seymour with Lithium Recovery Exceeding 72%
- ✓ High-grade assays returned from Root Project



Pye West Peg



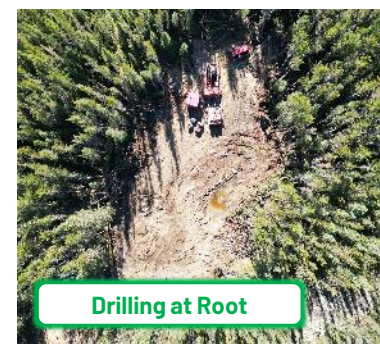
Root Camp



McCombe Drilling



South of Pye Trench



Drilling at Root



Seymour Project

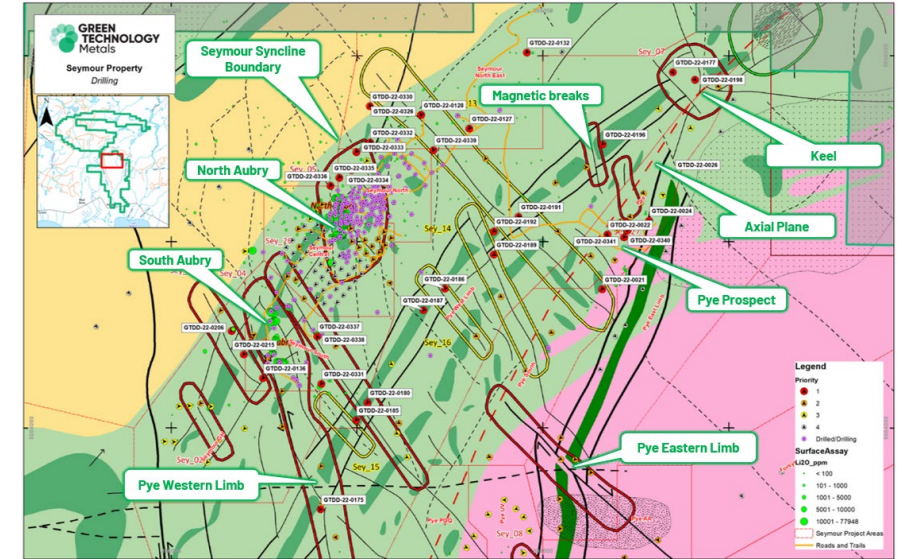




# SEYMOUR PROJECT

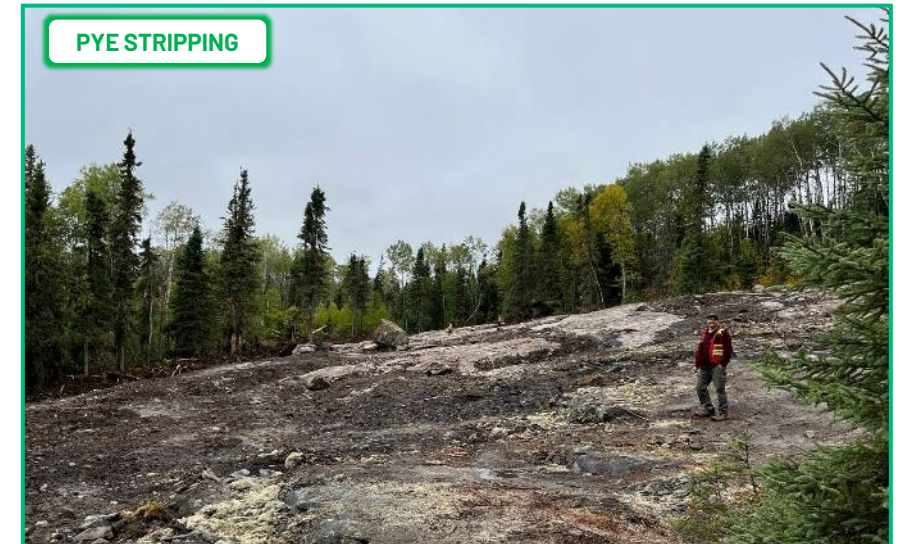
# AUBRY COMPLEX

- Initial drill program delivered immediate success; approximate **doubling of existing resource to 9.9Mt @ 1.04 Li<sub>2</sub>O**
- 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



# ROOT PROJECT

Drilling commenced, Initial 24,000m Planned

## MCCOMBE DEPOSIT

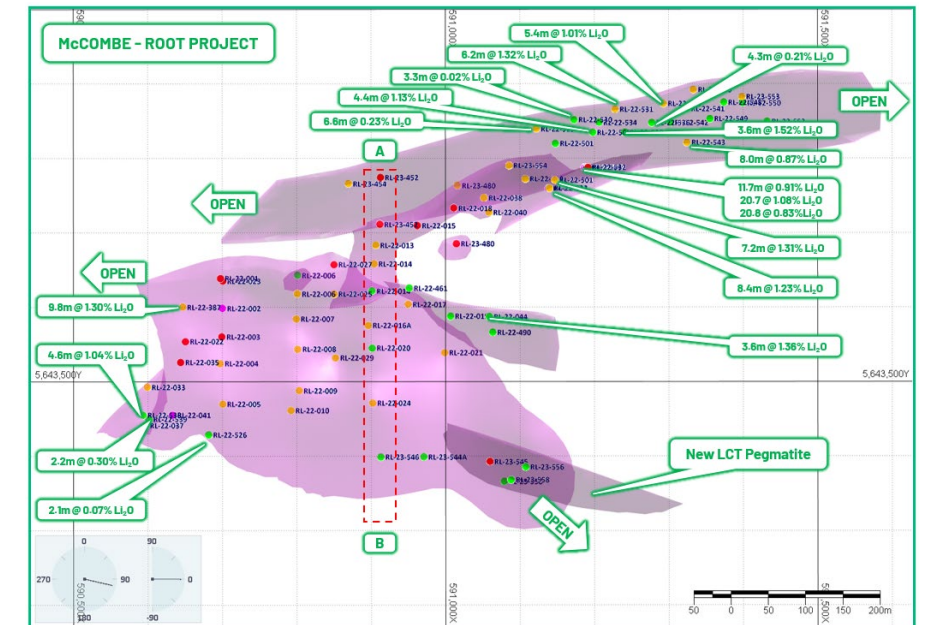
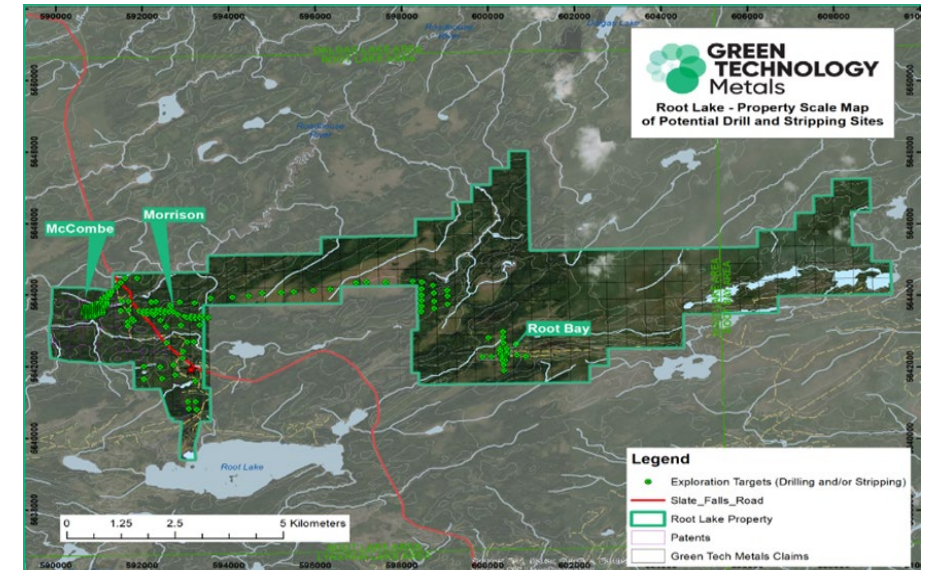
- Exceptional high-grade drill success at McCombe deposit - Highest Grade Drill Intercept to date 4.06%  $\text{Li}_2\text{O}$
- Fast-tracking Maiden Mineral Resource estimate for Q1 2023
- Resource drilling completed with for all 22 holes intersecting thick and continuous high grade spodumene pegmatites 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%  $\text{Li}_2\text{O}$  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%  $\text{Li}_2\text{O}$
- Fine grade Spodumene occurrences 300m west of Channel sample



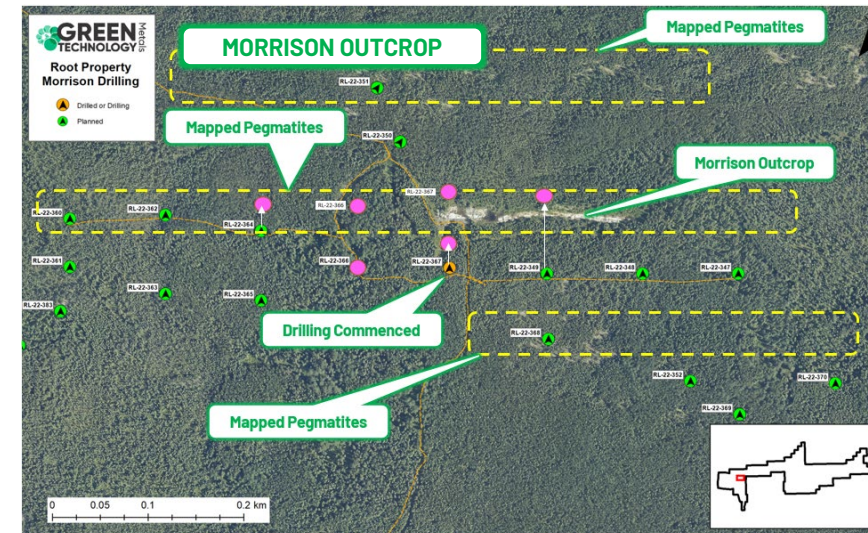
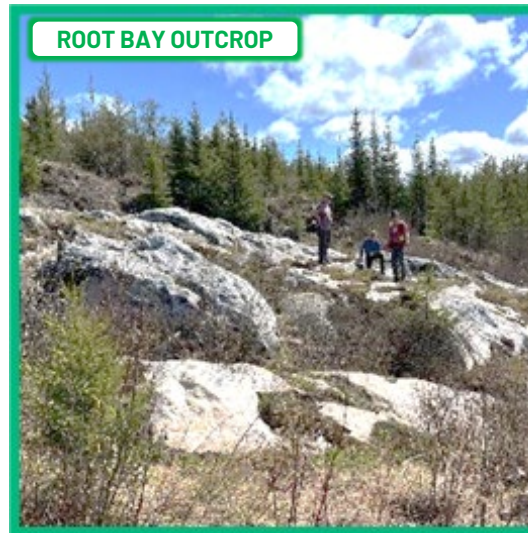


# ROOT PROJECT

## 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

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

- Heavy Liquid Separation test work based off a 4 composite samples weighing 1000kg have been undertaken to determine DMS crush size and need for back-end flotation plant
- Test work confirms Flagship Seymour Project **concentrate recovery exceeds 72%** showing strong potential for a simple 2 stage DMS flowsheet
- Critical milestone for the PEA and future off-take partners
- Concentrate now being sent for conversion work to Lithium Hydroxide
- 99 Tonne bulk sample is being extracted from North Aubry deposit for the pilot test work program and will be used as feed stock for the Lithium Hydroxide Conversion Program
- Environmental testing in parallel with test work program to support permitting



HLS on master composite - crush size 8 mm			Grade		Distribution	
Description	HLS SG	Mass Distribution	% Li <sub>2</sub> O	% Fe <sub>2</sub> O <sub>3</sub>	Li <sub>2</sub> O	Fe <sub>2</sub> O <sub>3</sub>
HLS non-mag <sup>1</sup> product	2.82	12.7	6.0	1.2	72.6	19.2
HLS mag <sup>1</sup> 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
<b>Total feed</b>	<b>-</b>	<b>100</b>	<b>1.1</b>	<b>0.9</b>	<b>100</b>	<b>100</b>

<sup>1</sup> Dry magnetic separator used for HLS testwork

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



# 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

- Canada has released a new critical minerals strategy committing A\$27m to support all resource and technology development including downstream lithium hydroxide conversion
- Ontario is a critical link to the future of the EV sector, 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
- Canadian Government proposed mandate on EV sales:  
By 2030 - 60% of all vehicle sales must be Electric  
By 2035 - 100% of all car sales must be Electric
- 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

---



Chief Executive Officer

**Luke Cox**

Unit 6/94 Rokeby Rd, Subiaco  
Perth, Western Australia 6008  
Email: [info@greentm.com.au](mailto:info@greentm.com.au)

Investor Relations and Media

**Jacinta Martino**

Email: [ir@greentm.com.au](mailto:ir@greentm.com.au)

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").

**Forward-looking statements:** This presentation contains forward-looking statements. Those forward-looking statements reflect views held only as at the date of this presentation. Any such statement is subject to inherent risks and uncertainties. Actual events or results may differ materially from the events or results expressed or implied in any forward-looking statement, and such deviations are both normal and to be expected. Investors must make their own assessment about the likelihood of a matter, about which a forward-looking statement is made, occurring. The Company makes no representation about the likelihood of a matter, about which a forward-looking statement is made, occurring. The Company and its directors, employees, agents, advisers and consultants: give no representation or warranty to a recipient of this presentation as to the accuracy or completeness of the statements contained in this presentation or in relation to any other matter; and to the fullest extent permitted by law, disclaim responsibility for and have no liability to a recipient of this presentation for any error or omission in or for any statement in this presentation.

**Reliance on presentation:** A recipient of this presentation must make their own assessment of the matters contained herein and rely on their own investigations and judgment in making an investment in the Company. This presentation does not purport to contain all of the information a recipient of this presentation requires to make an informed decision whether to invest in the Company. Specifically, this presentation does not purport to contain all the information that investors and their professional advisers would reasonably require to make an informed assessment of the Company's assets and liabilities, financial position and performance, profits, losses and prospects. To the maximum extent permitted by law, the Company, its related bodies corporate (as that term is defined in the Corporations Act 2001 (Commonwealth of Australia)) and the officers, directors, employees, advisers and agents of those entities do not accept any responsibility or liability including, without limitation, any liability arising from fault or negligence on the part of any person, for any loss arising from the use of this presentation or its contents or otherwise arising in connection with it. The Company does not undertake to provide any additional or updated information whether as a result of new information, future events or results or otherwise.

**Not a recommendation or financial advice:** The information in this presentation is not a recommendation to acquire securities in the Company and does not constitute financial advice. Any person who intends to subscribe for securities must conduct their own investigations, assessment and analysis of the Company and its operations and prospects and must base their investment decision solely on those investigations and that assessment and analysis. Prospective investors should consult their own legal, accounting and financial advisers about an investment in the Company.

**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%  $\text{Li}_2\text{O}$ , 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.

