



INVESTOR PRESENTATION

RIU RESURGENCE
NOVEMBER 2023

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

ASX | GT1

INDIGENOUS PARTNERS ACKNOWLEDGEMENT

We would like to say Gchi Miigwech to our Indigenous partners. GT1 appreciates the opportunity to work in the Traditional Territory and remains committed to the recognition and respect of those who have lived, travelled, and gathered on the lands since time immemorial. Green Technology Metals is committed to stewarding Indigenous heritage and remains committed to building, fostering, and encouraging a respectful relationship with Indigenous Peoples based upon principles of mutual trust, respect, reciprocity, and collaboration in the spirit of reconciliation.



CORPORATE SNAPSHOT

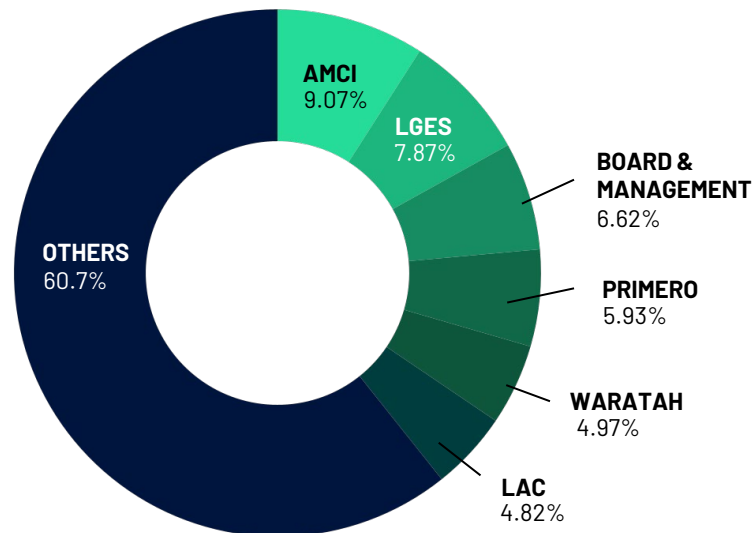


276.1M SHARES ON ISSUE

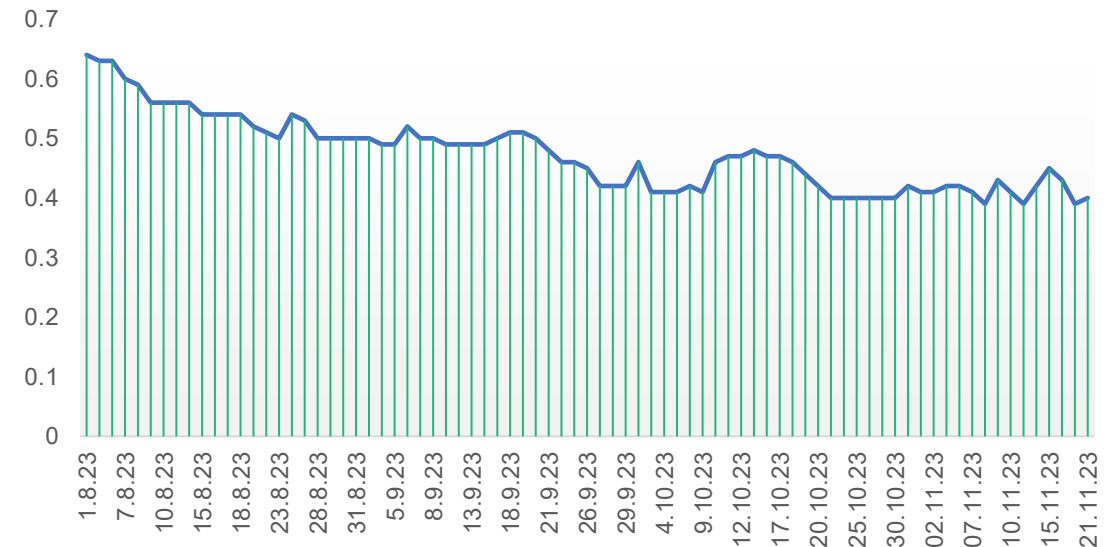
5.8M OPTIONS

18.5M PERFORMANCE RIGHTS

SHARE REGISTER



SHARE PRICE PERFORMANCE



COMPANY OVERVIEW

24.9Mt

TOTAL JORC MINERAL
RESOURCE ESTIMATE

1.13%

AVERAGE Li_2O GRADE

10

LITHIUM PROJECT AREAS

56k Ha

560KM² LAND HOLDING

2025

PLANNED FIRST
SPODUMENE
CONCENTRATE
PRODUCTION

50-60Mt

0.8 to 1.5% Li_2O
EXPLORATION TARGET
ACROSS PRIMARY SITES

Extensive Portfolio of
projects in Tier-1 jurisdiction



Resource Upgrades

November 2023

24.9Mt

October 2023

24.5Mt

June 2023

22.5Mt

April 2023

14.4Mt

June 2022

9.9Mt

2019

4.8Mt

1. Seymour has an existing Mineral Resource estimate of 9.9 Mt @ 1.04% Li_2O (comprised of 5.2 Mt at 1.29% Li_2O Indicated and 4.7 Mt at 0.76% Li_2O Inferred) and Root has a Mineral Resource Estimate of 14.6 Mt @ 1.21% Li_2O . Refer to GT1 ASX release dated 17 October 2023, 22.5Mt Mineral Resource base across Ontario Lithium Projects.
2. 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

BOARD AND MANAGEMENT

Extensive experience and proven track record of rapidly advancing and delivering lithium projects globally



JOHN YOUNG

Non-Executive Chairman

Highly experienced geologist

Co-founder and previous Executive Director of Pilbara Minerals Ltd a A\$11.8b lithium company



CAMERON HENRY

Executive Director

20 years' experience managing and operating public companies. Founding Managing Director of Primero Group, a global EPC company that specialises in the design, construction and operation of minerals processing facilities and specifically hard rock Lithium



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 +30 years' experience in global resources across a range of commodities

Managing Director of Asra Minerals, previously CEO/MD of Aridien and GM Geology at Sundance Resources

WHY ONTARIO?

TIER-1 MINING JURISDICTION

\$1.5b

In Strategic Innovation Fund (SIF), funding to support processing critical minerals

>\$26b

Investment in 3 years in transformative automotive and EV related investments from global automakers & EV battery and materials manufacturers

\$369b

Towards green energy infrastructure and projects - U.S. Inflation Reduction Act 2022

\$80b

Canada's investment plan aimed at promoting clean energy and sustainable infrastructure

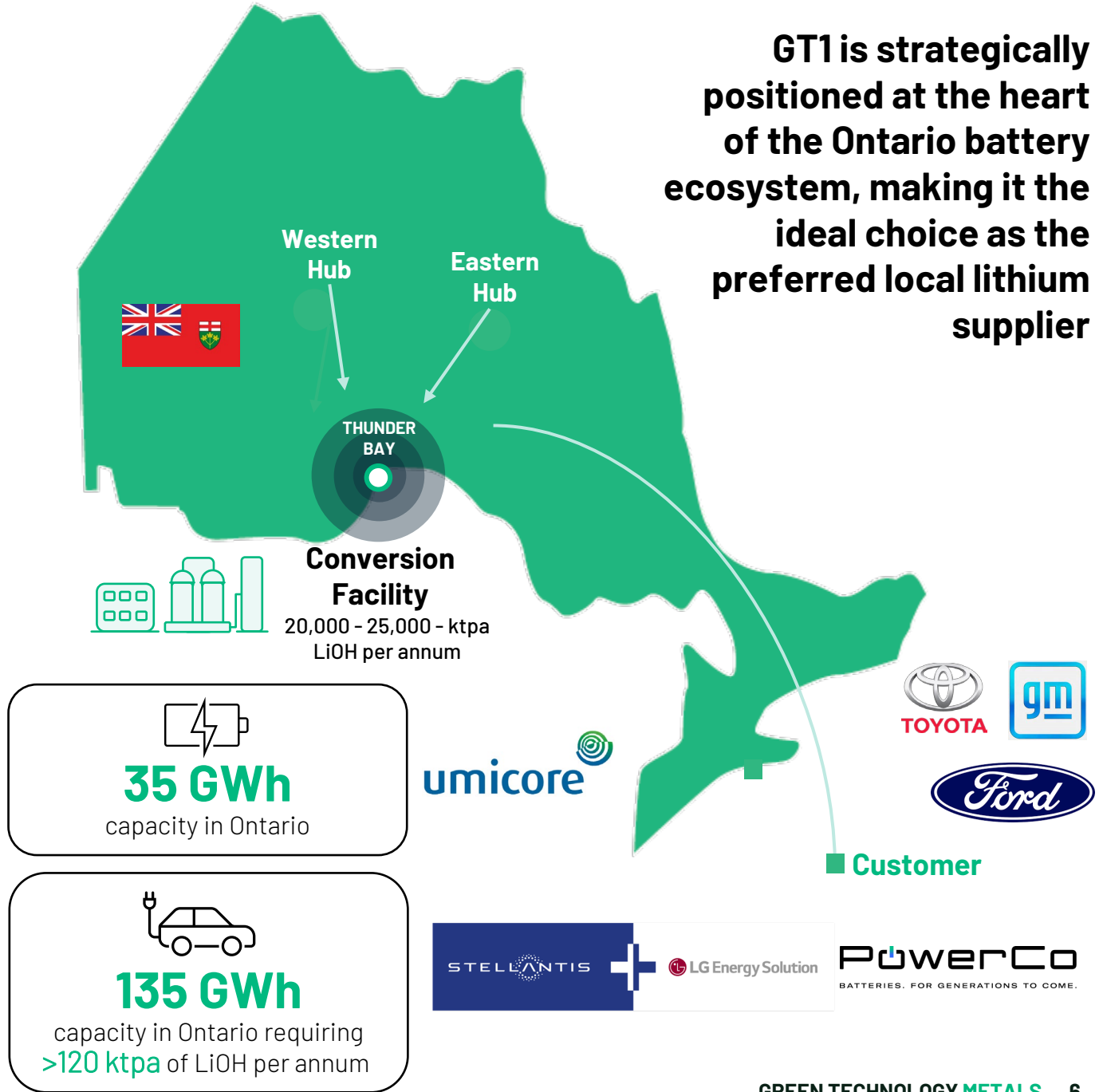
5

Ontario is the only jurisdiction in North America to have 5 major global automotive assemblers – **Ford, General Motors, Honda, Stellantis and Toyota**

\$3b

Ontario Infrastructure Bank in initial funding to support its ability to invest in critical infrastructure projects across the province

1. <https://www.miningweekly.com/article/canada-unveils-criteria-for-c15bn-fund-in-https://www.mckinsey.com/industries/public-sector/our-insights/the-inflation-reduction-act-heres-whats-in-it>
2. <https://www.politico.com/news/2023/03/29/canada-u-s-clean-energy-ira-00089284>
3. <https://www.umicore.com/en/newsroom/umicore-confirms-expansion-of-its-ev-battery-materials-production-footprint-with-cam-and-pcam-plant-in-ontario-canada/>
4. 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.



INDICATIVE TIMELINE TO PRODUCTION

Stage 1: Eastern Hub

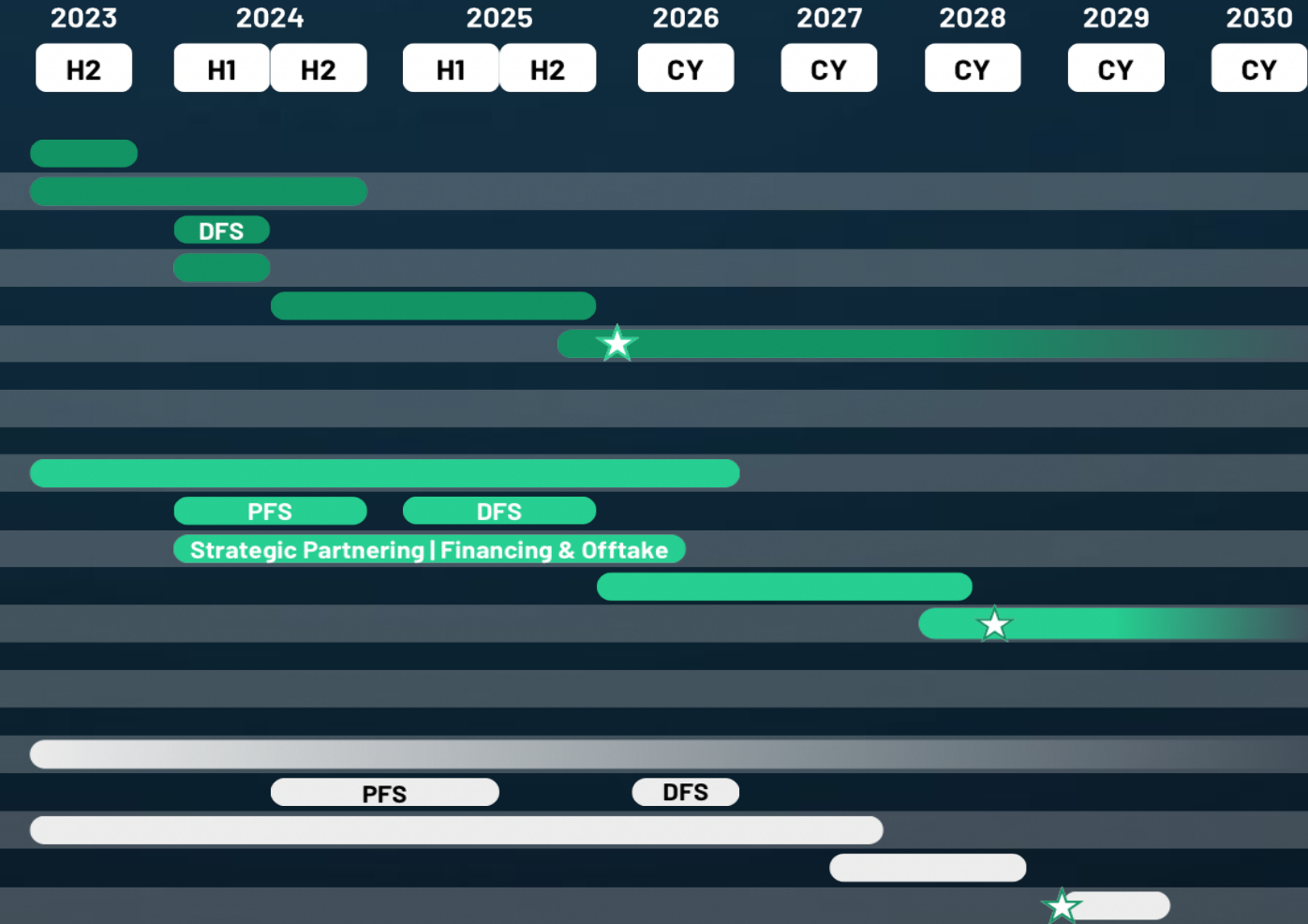
Integrated PEA Release
Permitting and Approvals
Feasibility Study - Seymour
FID and Financing
Construction
Spodumene Concentrate Production

Stage 2: Lithium Hyrdroxide Production

Due Diligence and Permitting
Feasibility Studies - LiOH
Partnering and Finance
Construction
Commissioning & Production

Stage 3: Western Hub

Resource Drilling
Feasibility Studies - Root
Permitting & Approvals
Construction
Production



Stage 1: EASTERN HUB

OWNERSHIP	100% Owned
AREA	32,720 Hectares
RESOURCE (Current)	10.3Mt @ 1.03% Li ₂ O (with 6.1Mt @ 1.25% Indicated)
EXPLORATION TARGET	22 to 26 Mt @ 0.8 to 1.5% Li ₂ O
DRILLING	74,667m
STAGE	Pre-Development
EXPECTED FIRST PRODUCTION	2025



SEYMOUR + SATELLITES

Central processing facility located at Seymour

Potential to add satellite pits from the Junior and Falcon projects

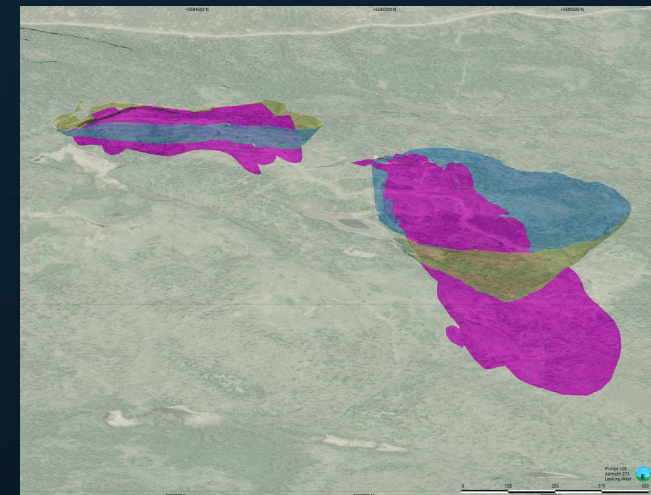
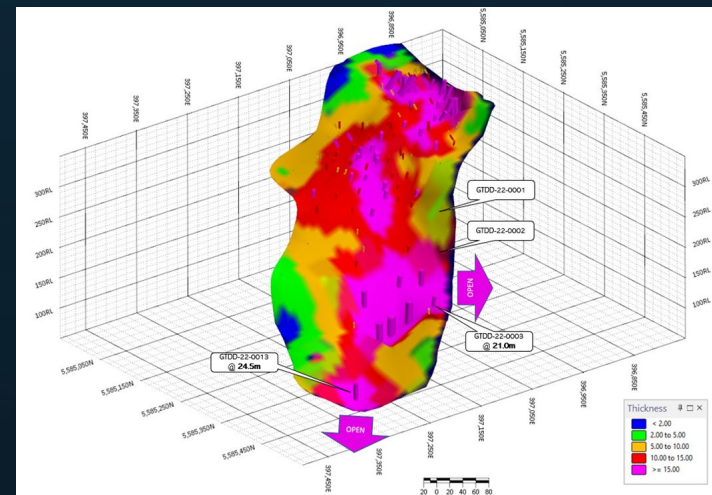
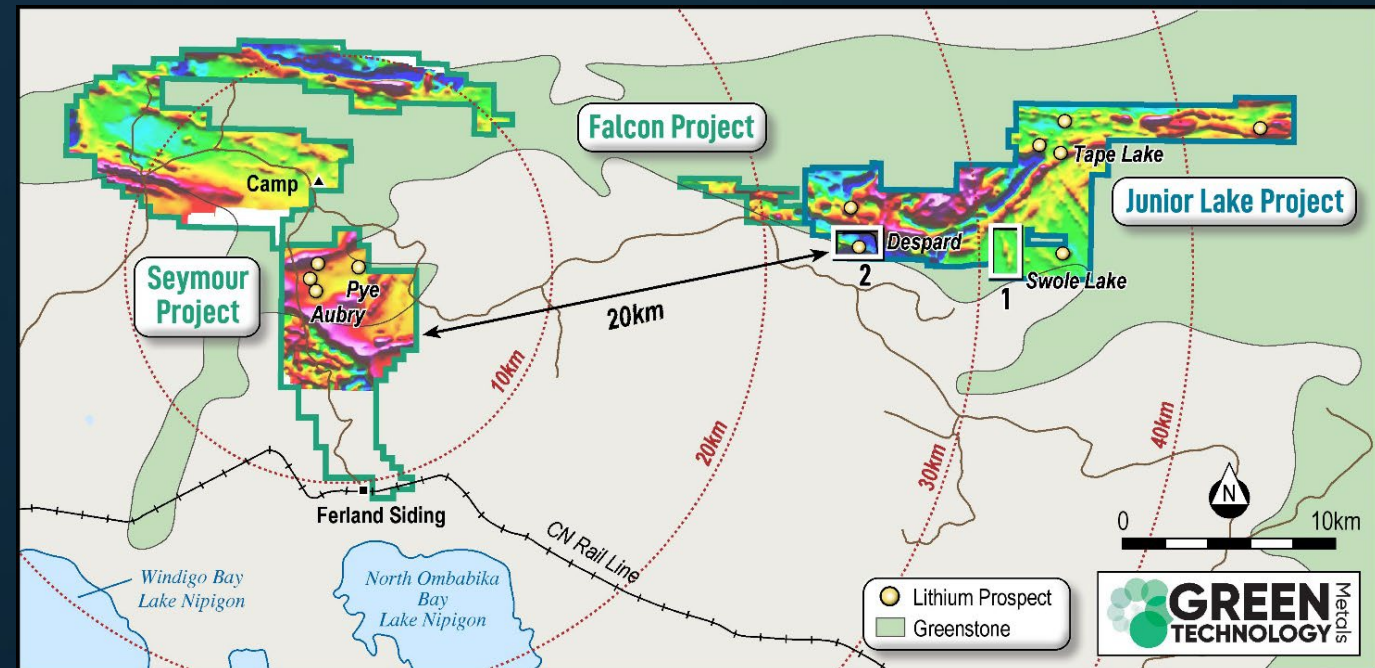
Mineral Resource

- Increased geological confidence with +50% in the Indicated category
- 7736m infill drilling program underway to increase mineral resource confidence

Exploration upside

Exploration coverage to date has been predominately around Aubry complex, leaving the vast majority of the project as exploration upside:

- North Aubry UG potential
- South Seymour unexplored
- Further exploration west of the Aubry Complex
- Northern Seymour geochemical exploration due to glacial cover
- Junior tenements recently acquired within circa 20kms



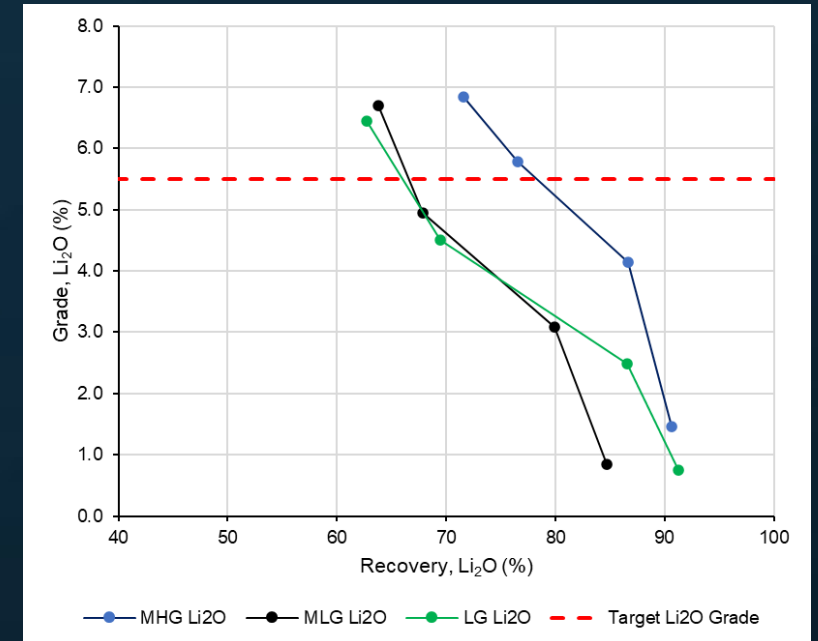
TESTWORK – Concentrator

Conventional mining processes utilising industry expertise

Seymour – Very coarse, clean in nature – Spodumene

DMS – Pilot Program

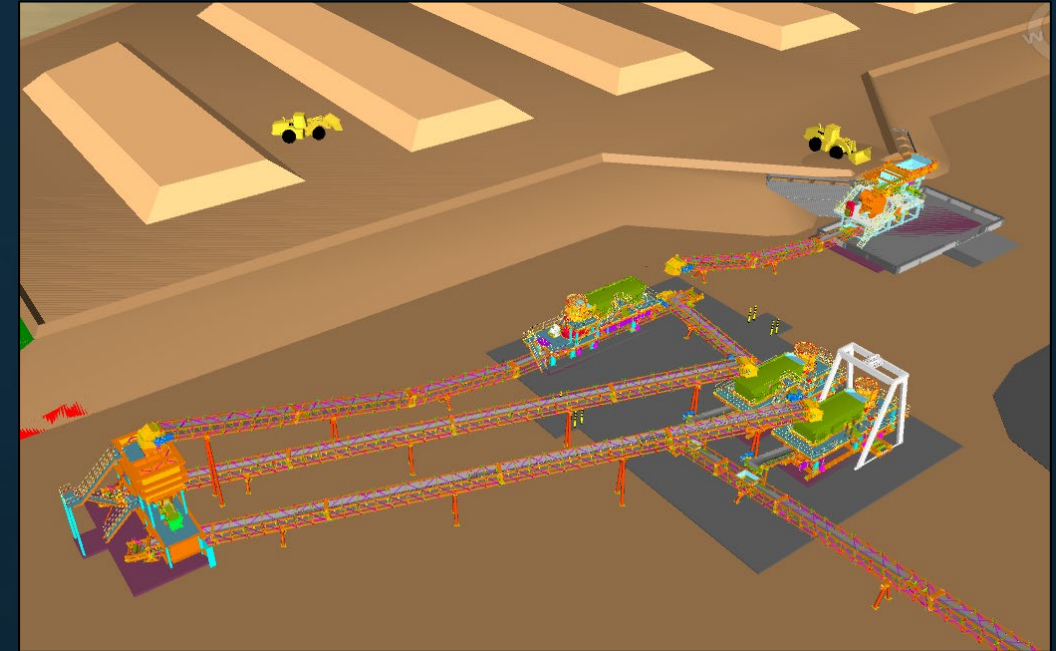
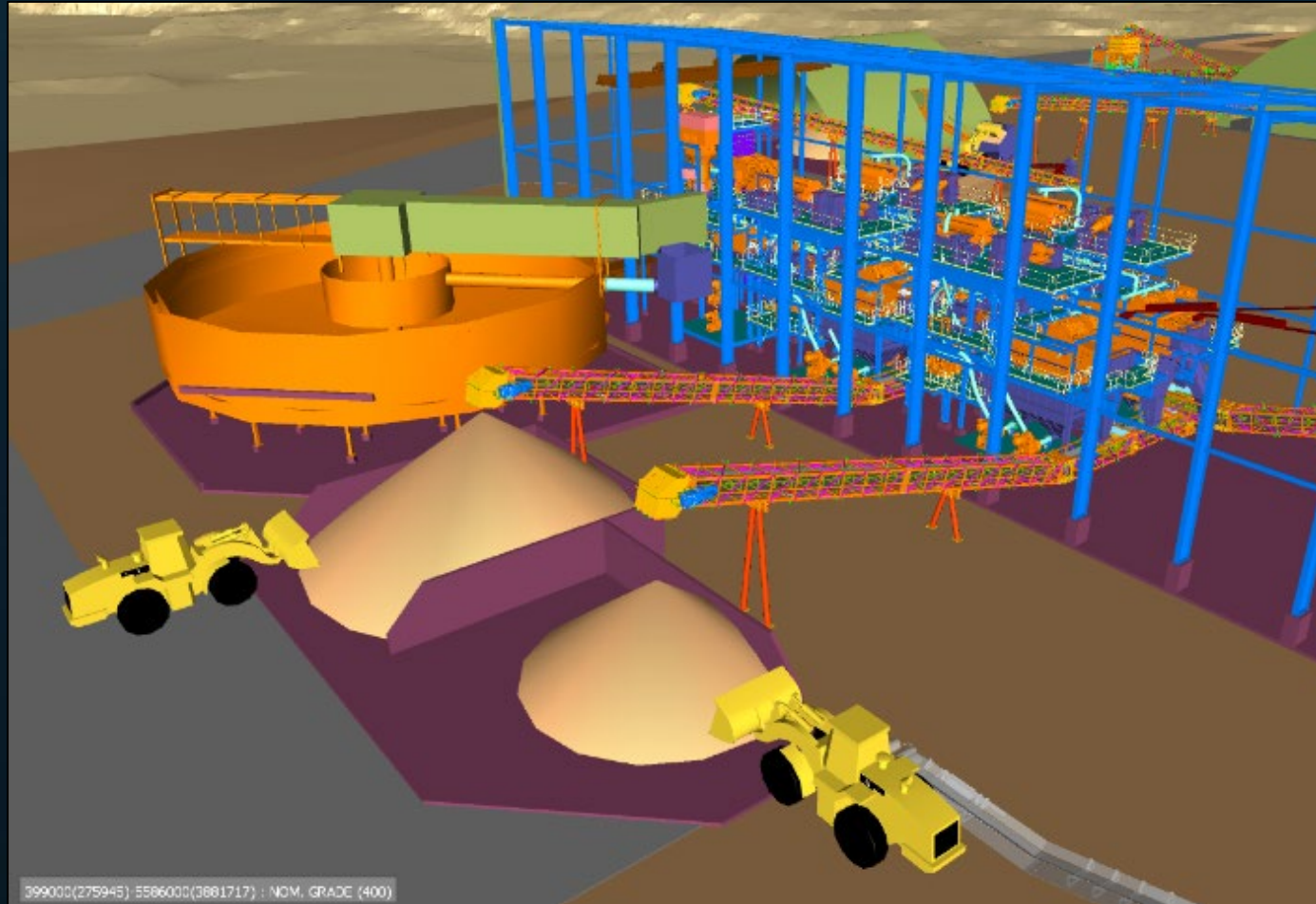
- Ore taken from multiple parts of ore body to present a representative sample of ore variability for Seymour Definitive Feasibility Study mid 2024
- Confirms ability to achieve a high lithium recovery and grade exceeding current market benchmarks without need for any flotation circuit:
 - High **6.8%** Li₂O Spodumene Concentrate
 - High **71.6%** Recovery
 - Low **0.6%** Iron (Fe₂O₃) impurities
- DMS-only flowsheet allowing a modularised DMS circuit which will now be optimised



			Grade		Distribution
Description	Size Range	Mass %	Li ₂ O %	Fe ₂ O ₃ %	Li ₂ O %
Spodumene Concentrate	-10 to +0.85	14.0	6.83	0.65	71.61
Coarse DMS Concentrate	-10 to +6.3	5.0	6.77	0.56	25.02
Fine HLS Concentrate	-6.3 to +0.85	9.1	6.87	0.70	46.59
Magnetic Tailings	-10 to +0.85	3.7	1.80	8.92	4.98
DMS/HLS Tailings	-10 to +0.85	55.4	0.10	0.49	3.98
Middlings and Fines Bypass	-6.3	26.9	0.97	1.32	19.44
Feed	-10	100.0	1.34	1.05	100.00

SEYMOUR PROJECT - Progress

Plant layout and sections



GREEN LITHIUM PRODUCTION



Minimal environmental impact – small operation

Designed with minimal ground impact

- Minimised footprint - only~500ha
- 2 open pits – staged North and South Aubry
- Dry stacked tailings



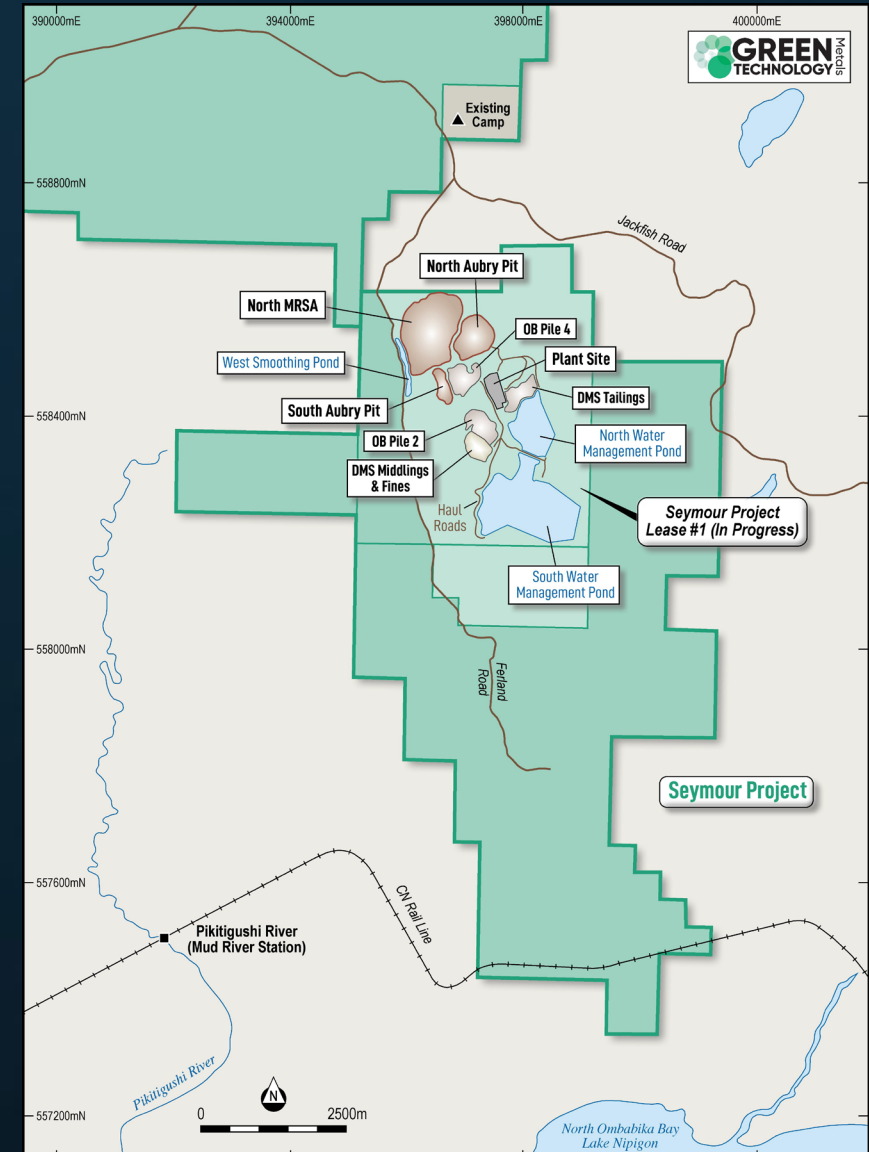
No chemicals in processing

DMS only concentrator – NO CHEMICAL REAGENTS USED



Zero Water Discharge

For life of mine: water is stored without any runoff into the surrounding environment until it is treated and pumped to back into the mine pits, with land revegetated



Stage 2: CONVERSION FACILITY

OWNERSHIP	Under option
AREA	25 Hectares
STAGE	Preliminary Economic Assessment
PRODUCTION	2028



CONVERSION FACILITY

Step 1 – proposed circa 20-25 kt capacity

Step 2 – plant/site layout confirmed for additional train

Proposed Alkali leach flow sheet – analcime by-product that can be treated and potentially used for civil/fill applications. Flow sheet currently being implemented on projects globally – specifically Tesla (Texas Hydroxide Facility), Keliber (Finland) & Piedmont (Tennessee Lithium)

Conversion site undergoing full due diligence

- Optioned property, strategically positioned industrial land
- Environmental studies assessments well underway

Ongoing Government meetings for funding and permitting

- C\$1.5B available for critical minerals downstream processing through SIF

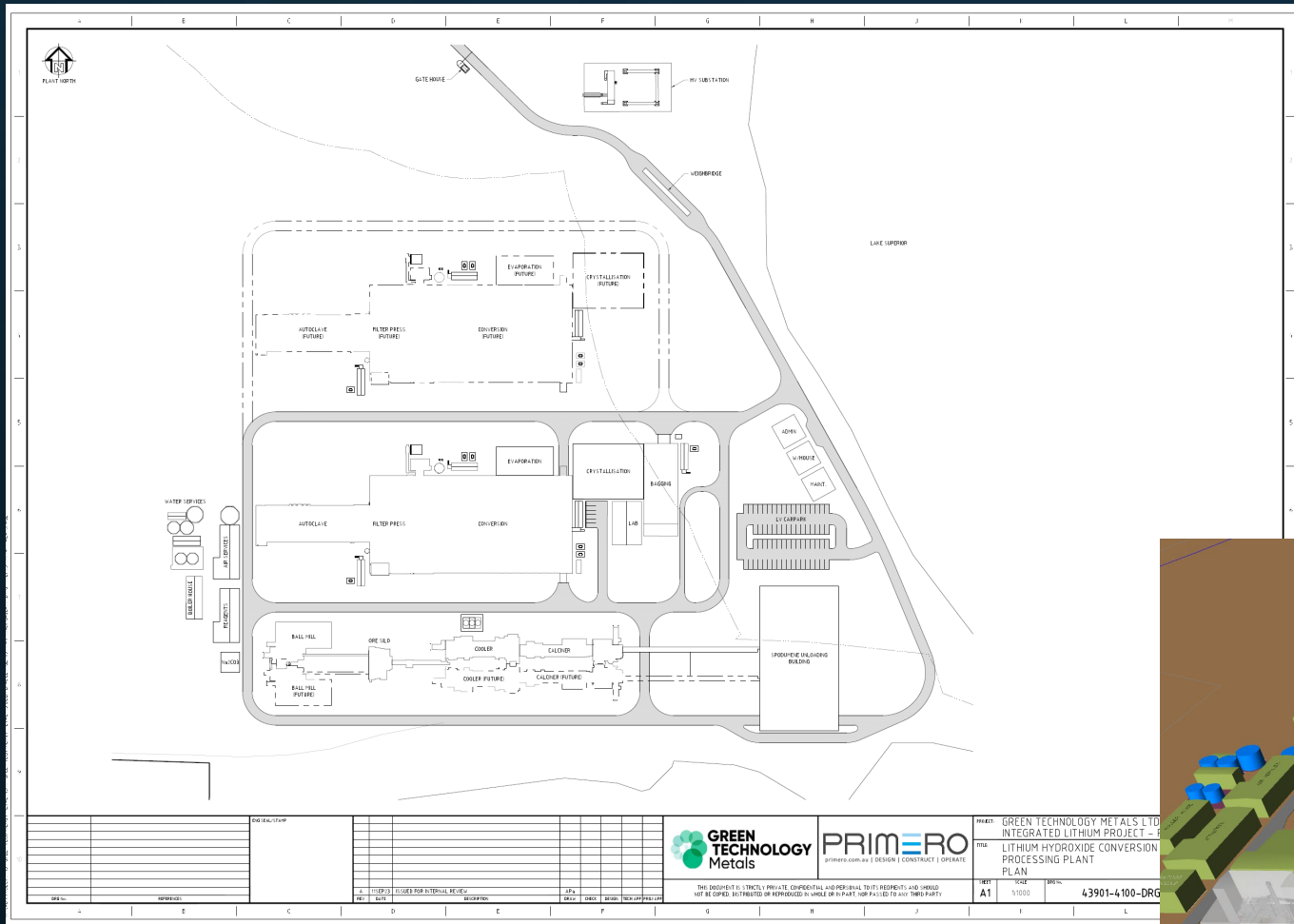
Strategic Innovation Funding (SIF) applications lodged for assessment and supported by LGES

Conversion test work advancing

- Concentrate sample complete and shipped to FLS Pyro Utah, USA
- Bench scale Conversion to Lithium Hydroxide test work underway



CONVERSION FACILITY

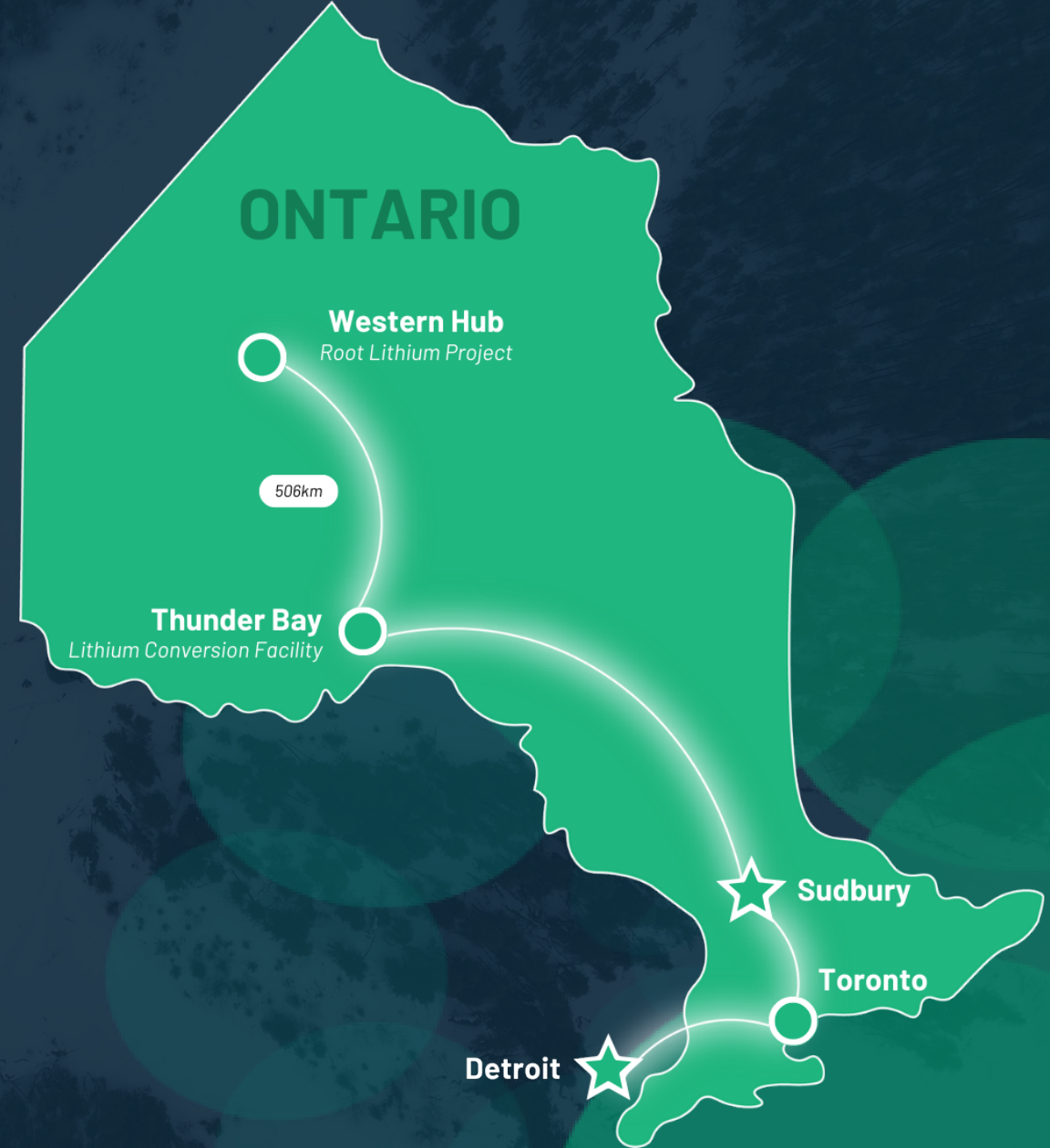


- **Initial emissions studies underway** – complete Oct 23
- **Geotechnical investigation** – work commenced
- **Serviced site** – power, natural gas, water and municipal sewer.
- **Grid power** – Hydropower connection 115kV line adjacent to the property
- **Port and rail access within 2kms** – module/delivery for construction access from US.
- **Truck access for delivery of concentrate** – main highway not disturbing local traffic



Stage 3: WESTERN HUB

OWNERSHIP	100% Owned
AREA	23,095 Hectares
RESOURCE (Current)	14.6Mt @ 1.21% Li ₂ O
EXPLORATION TARGET	20-24Mt @ 0.8 to 1.5% Li ₂ O
DRILLING	42,000m
STAGE	Preliminary Economic Assessment
EXPECTED FIRST PRODUCTION	2028/9



ROOT BAY EXTENSION

Root Bay

Confirmed mineralisation 1.3km East of Root Bay

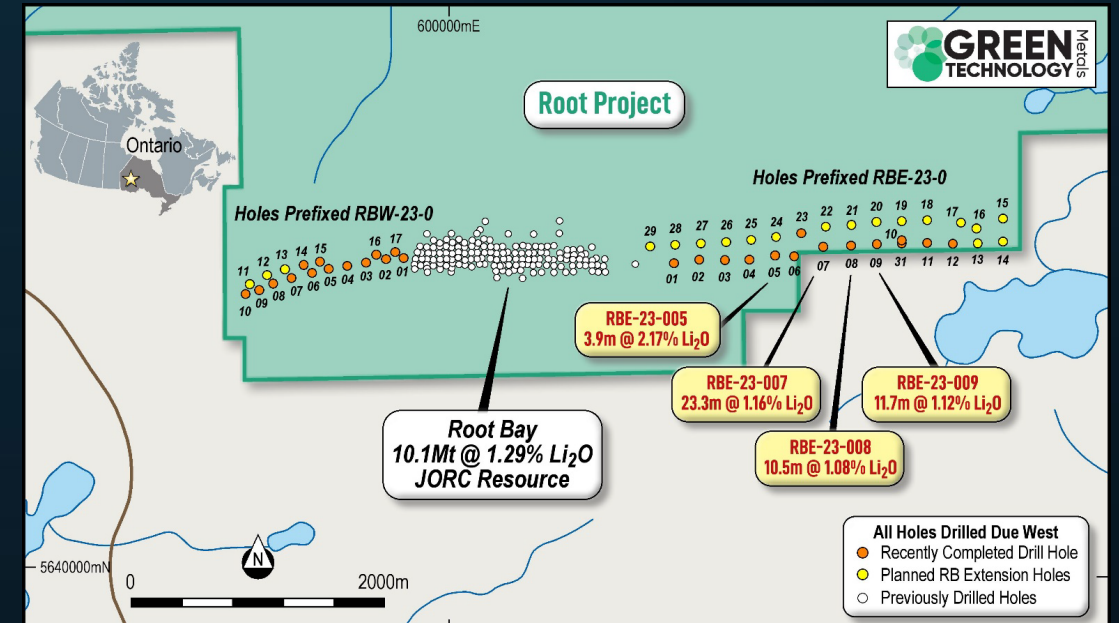
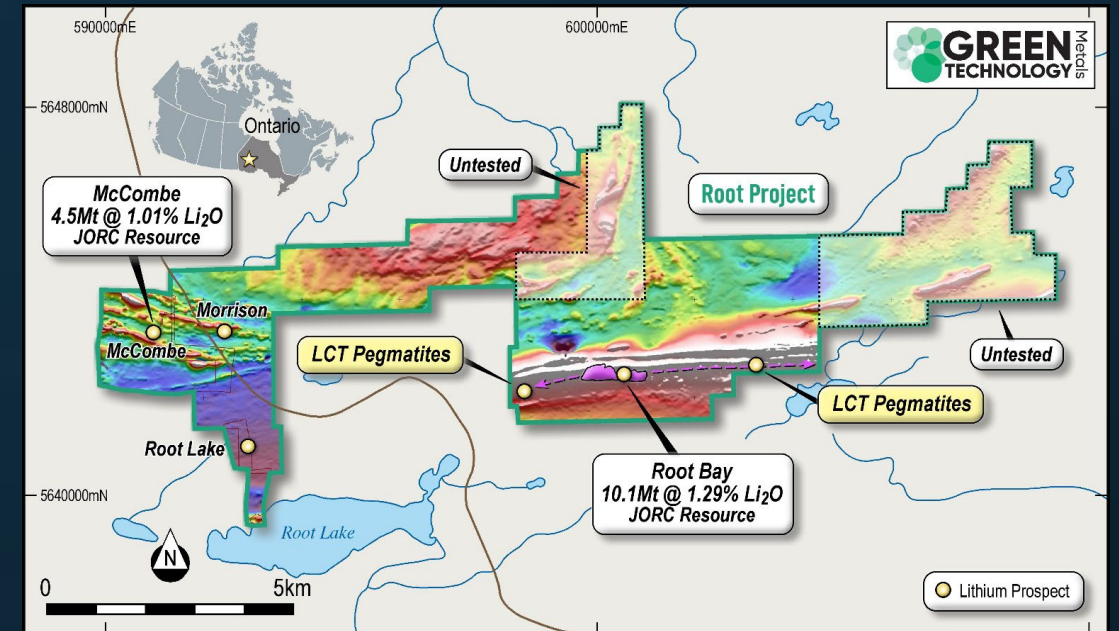
The thickest drill intercept to-date has been returned from Root Bay East:
23.3m @ 1.16% Li₂O from 197.0m (hole RBE-23-007)

Significant potential to delineate another stacked pegmatite system along strike to Root Bay

Encouraging drill results demonstrate pegmatite intercepts show common characteristics to the Root Bay deposit:

- The same Aero-Magnetic Geophysical trend
- Meta-basalt host rocks
- Coarse grained spodumene bearing pegmatites intercepted.

GT1 are targeting along strike repetitions of the Root Bay resource which hosts 10.1Mt @ 1.29% Li₂O (comprised of 9.4Mt @ 1.30% Li₂O indicated mineral resource and 0.7Mt at 1.14% Li₂O inferred mineral resource).



ROOT BAY – Deep Potential

Root Bay

Thickness

The stacked pegmatites within the Root Bay area progressively get thicker from East to West with Pegmatite #6 on the west averaging 18m thickness.

Depth

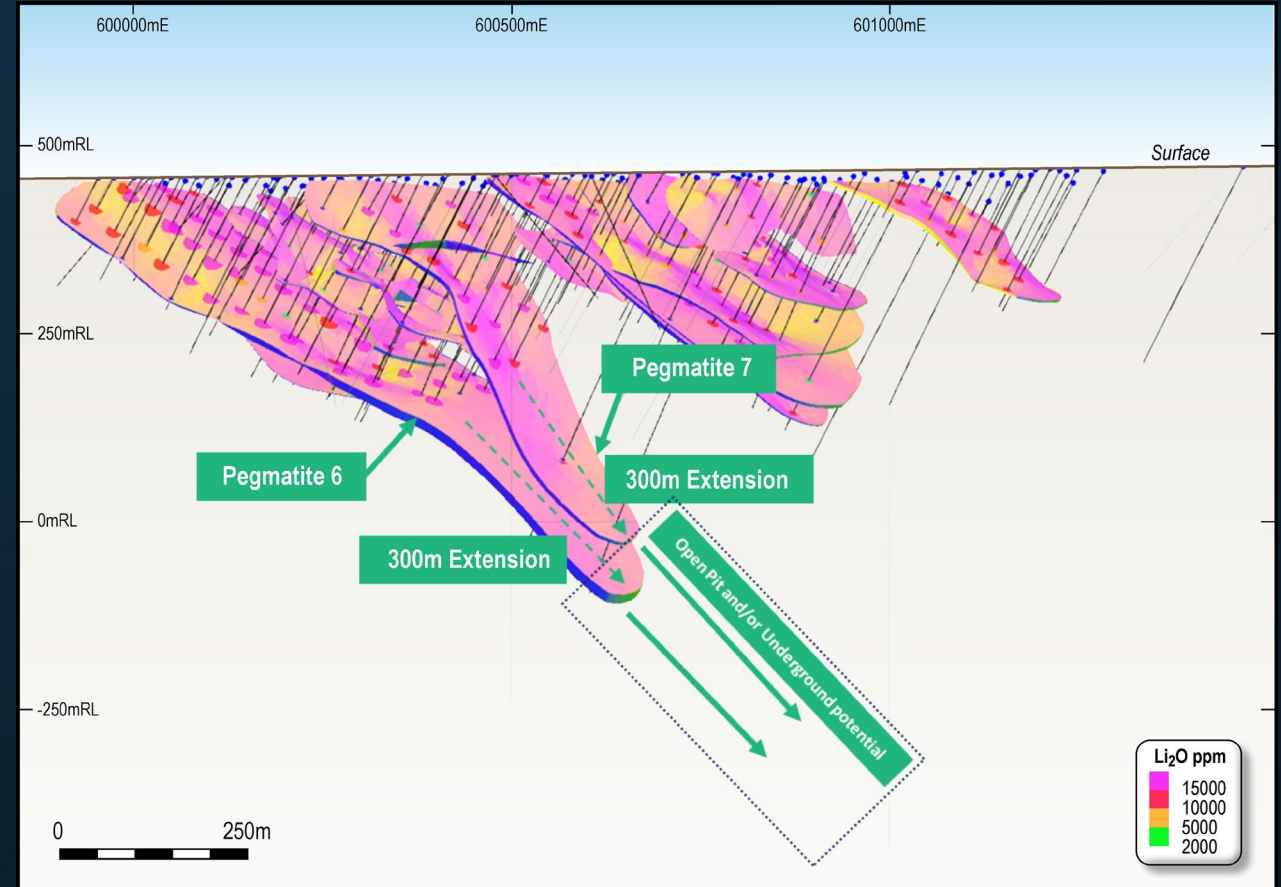
All of the pegmatites are open at depth with the capability to extend further. The first two down dip extension holes targeting open pit and underground resource growth at the Root Bay deposit have successfully demonstrated that thick, high-grade pegmatites exist to at least 300m downdip from current drill depth extents.

Convergence

Potential to find the 'feeder zone' with further testing along strike and at depth. Being a stacked system there is potential with many similar global examples where the pegmatites converge towards a central feeder zone hosting bonanza grades and thickness.

Testing

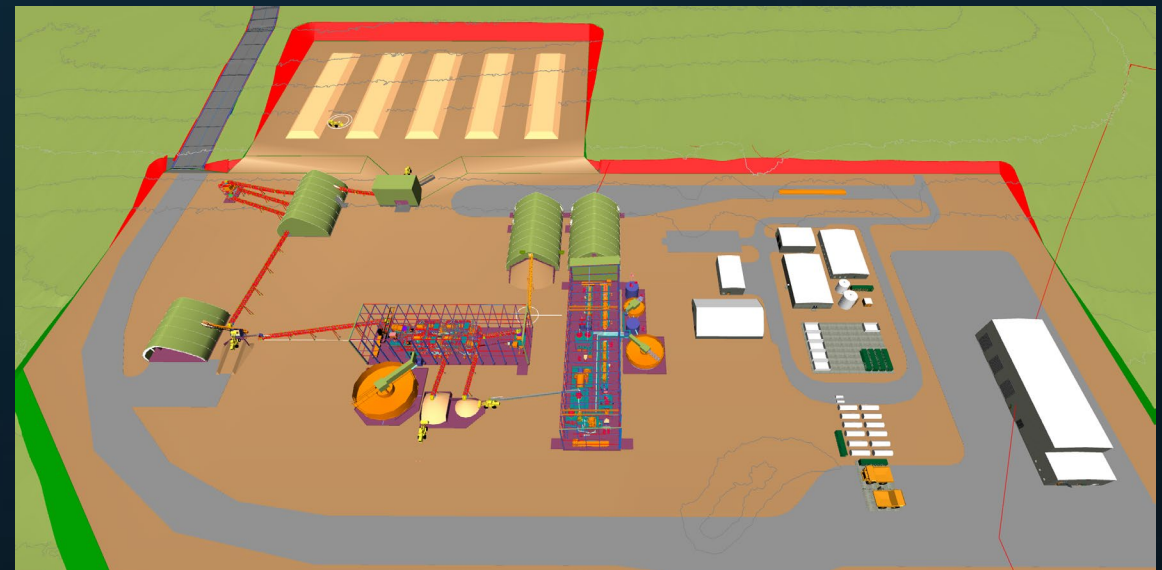
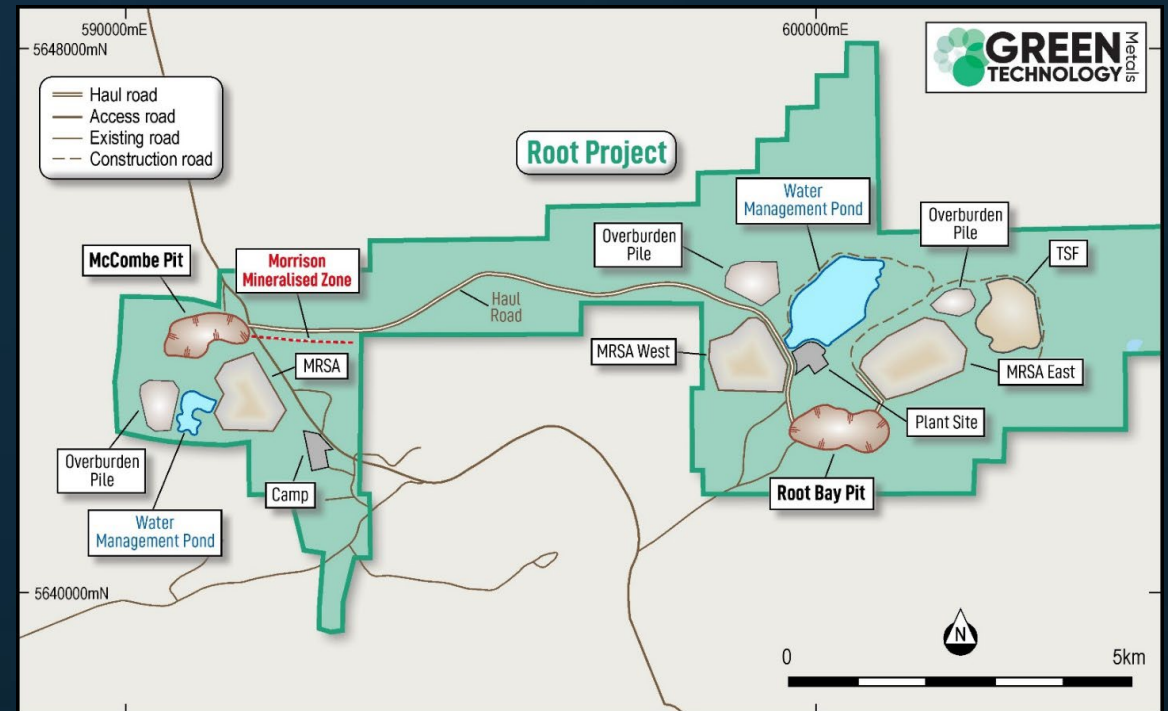
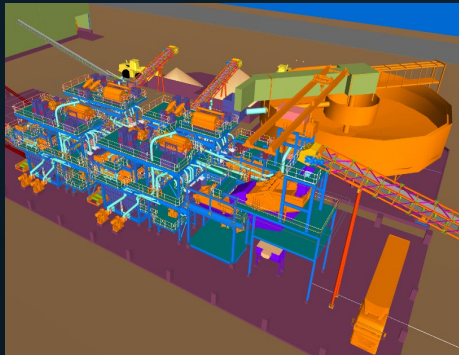
Diamond drilling has already commenced by extending previously drilled holes and targeting down dip resource extensions to significantly increase tonnage within the economic boundaries of Open Pit and Underground scenarios.



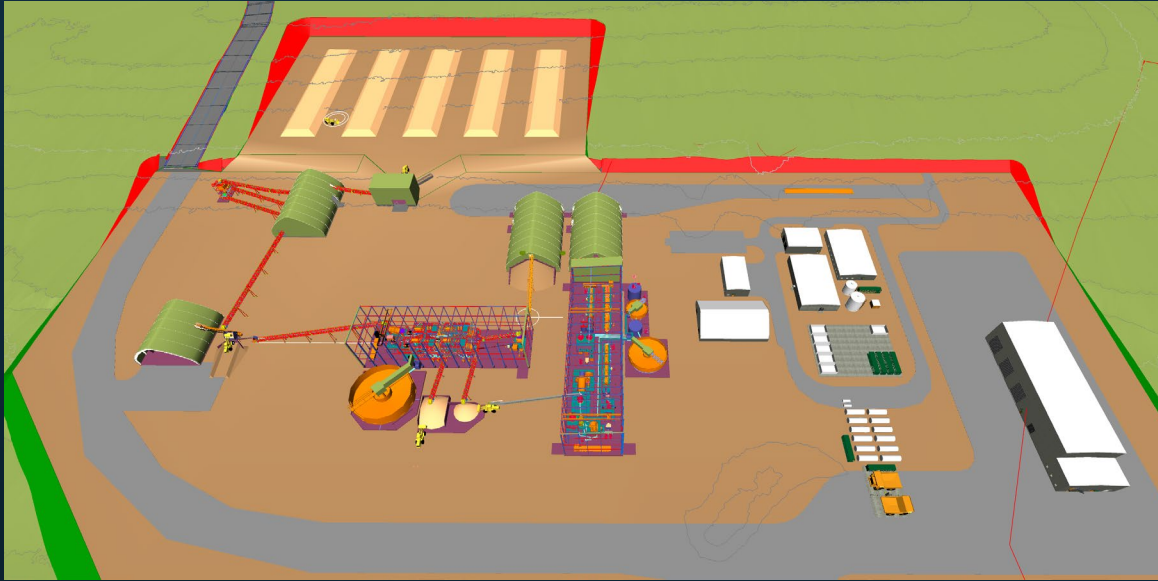
Initial results from the first two holes confirms the Root Bay deposit extends downdip by at least 300m, providing a strong underground exploration target.

WESTERN HUB

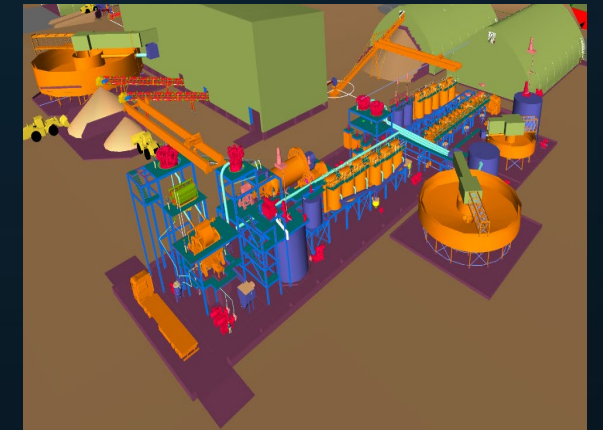
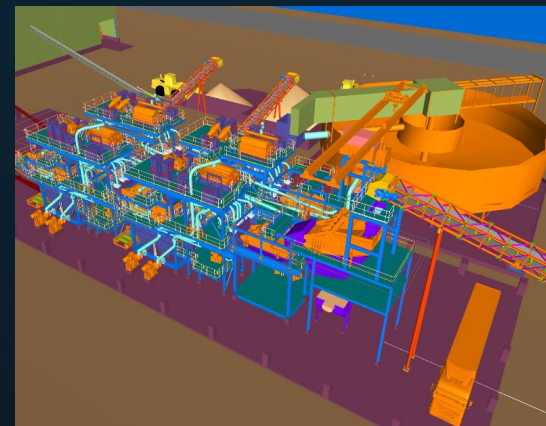
- High grade - finer grained spodumene however still coarse against benchmarks
- Hybrid DMS/Flotation concentrator envisaged - better recoveries
- Proposed standard Tailings Storage Facility (TSF)
- Standard permitting timelines - federal permits most likely required
- Potential for upsizing mill throughput
- Hydro power - 132kV with 2 kms of facility



ROOT PROJECT – Plant layout & sections



- High grade – finer grained spodumene however still coarse against benchmarks
- Hybrid DMS/Flotation concentrator envisaged – better recoveries
- Proposed standard Tailings Storage Facility (TSF)
- Standard permitting timelines – federal permits most likely required
- Potential for upsizing mill throughput
- Hydro power – 132kV with 2 kms of facility



WHAT IS NEXT?

- Root Bay exploration drilling - ongoing
- Seymour Infill drilling - ongoing
- Conversion Test work - Q4 2023 & ongoing
- Integrated PEA - Q4 2023
- Junior maiden drilling program - Q1 2024
- Finalisation of partnering process for downstream
- DFS: Seymour Mine and Concentrator - Q2 2024
- Seymour - Financial Investment decision
- PFS: Lithium Conversion Facility - Q4 2024



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ASX GT1



APPENDIX | MINERAL RESOURCE ESTIMATE

Project	Tonnes (Mt)	Li ₂ O (%)
Root Project		
<i>Root Bay</i>		
Indicated	9.4	1.30
Inferred	0.7	1.14
<i>McCombe</i>		
Inferred	4.5	1.01
Total	14.6	1.21
Seymour Project		
<i>North Aubry</i>		
Indicated	6.1	1.25
Inferred	2.1	0.8
<i>South Aubry</i>		
Inferred	2.0	0.6
Total	10.3	1.03
Combined Total	24.9	1.13

¹ For full details of the Seymour Mineral Resource estimate, see GT1 ASX release dated 21 November 2023, *Seymour Resource Confidence Increased - Amended*. For full details of the Root Mineral Resource estimate, see GT1 ASX release 18 October 2023, *Significant resource and confidence level increase at Root, Global Resource Inventory now at 24.5Mt*. 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 this estimate 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.

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The information in this report relating to the Mineral Resource estimate for the Seymour Project is extracted from the Company's ASX announcement dated 17 and 21 November 2023. 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 report relating to the Mineral Resource estimate for the Root Project is extracted from the Company's ASX announcements dated 17 October 2023. 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.



APPENDIX | COMPETENT PERSONS STATEMENT

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.

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, Junior & 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 and Root 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 | EXPLORATION TARGETS COMPETENT PERSONS STATEMENT

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.

Regards,

