

RIU RESURGENCE CONFERENCE

Building a sustainable,
North-American focused
lithium business

December 2021

GT1: ASX



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THE Ontario Lithium Projects

Three high-grade deposits in North America

1 SEYMOUR

4.8Mt Mineral Resource (2.13Mt Indicated, 2.7Mt Inferred) benefiting from a trans-continental rail siding on the tenement¹

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

2 ROOT

Historical estimate, dense pegmatite swarm on a granted mining lease

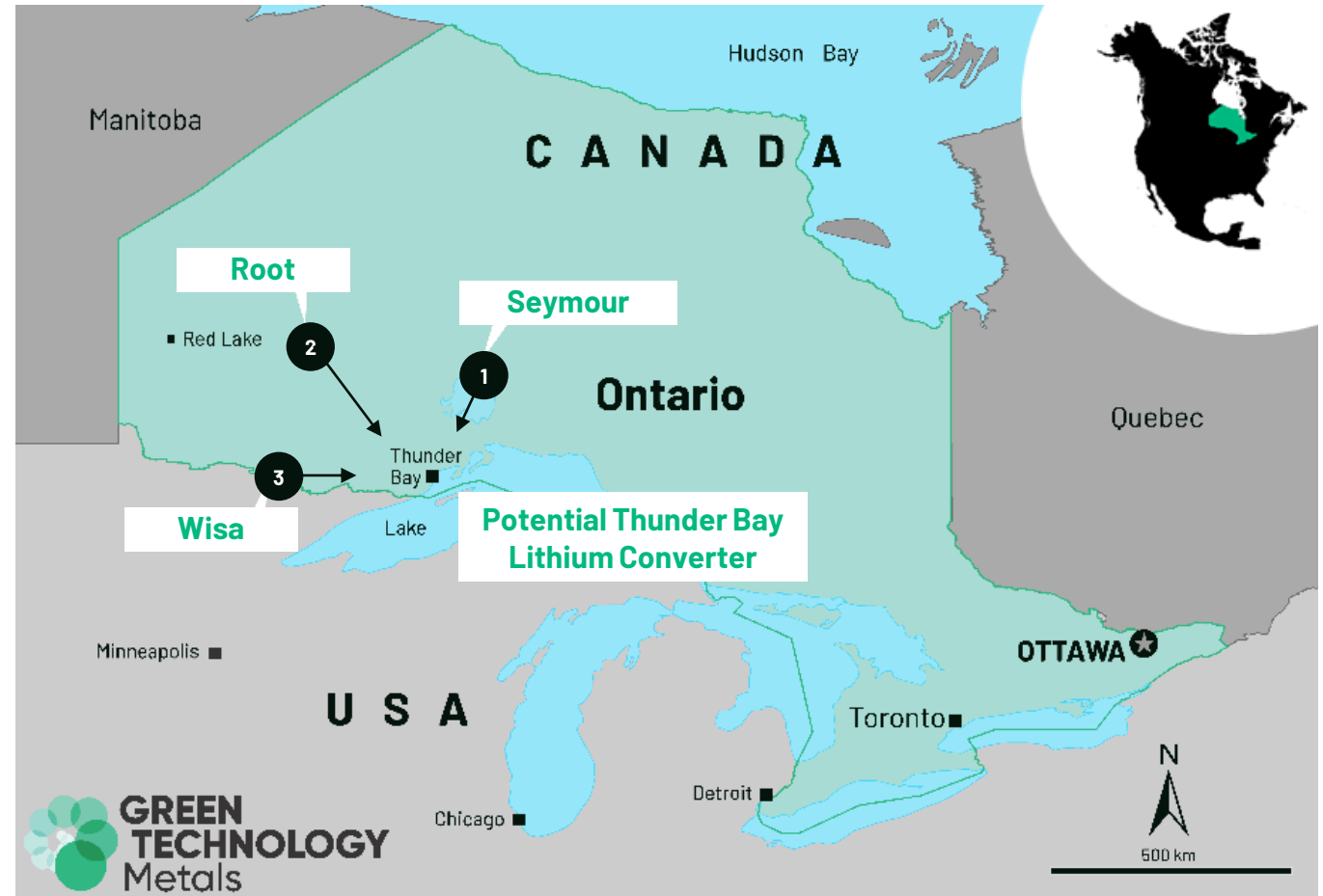
Exploration target: 20 – 24 Mt @ 0.8-1.5% Li₂O

3 WISA

Historical estimate strategically located 8km from the US border

Exploration target: 8 – 10 Mt @ 0.8-1.5% 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



1. For full details of Mineral Resources estimates, please refer to Appendix Resource Estimate. Green Technology Metals confirms that it is not aware of any new information or data that materially affects the information included in those releases. All material assumptions and technical parameters underpinning the estimates in those releases continue to apply and have not materially changed.

A PROVEN Board and management team

Track record of successfully delivering lithium projects

JOHN YOUNG Chairman

- Highly experienced geologist
- Co-founder and Executive Director of Pilbara Minerals Ltd
- Current Non-Executive Director of Bardoc Gold 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

LUKE COX Chief Executive Officer

- Geologist and mine manager with 25 years experience in the mining industry
- Global exploration, mining and financing experience across commodities including lithium, nickel and cobalt

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 gained 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 Artiden, previous GM Geology at Sundance Resources

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

JOEL IVES Company Secretary

- Finance and business advisory executive
- CFO and Company Secretarial services specialist

STRATEGIC PARTNERS



INVESTMENT Highlights



BEST IN CLASS TEAM AND PARTNERS



STRONG ESG CREDENTIALS



STRATEGIC LITHIUM PROJECTS



FAST TRACK DEVELOPMENT STRATEGY



SUBSTANTIAL EXPLORATION UPSIDE

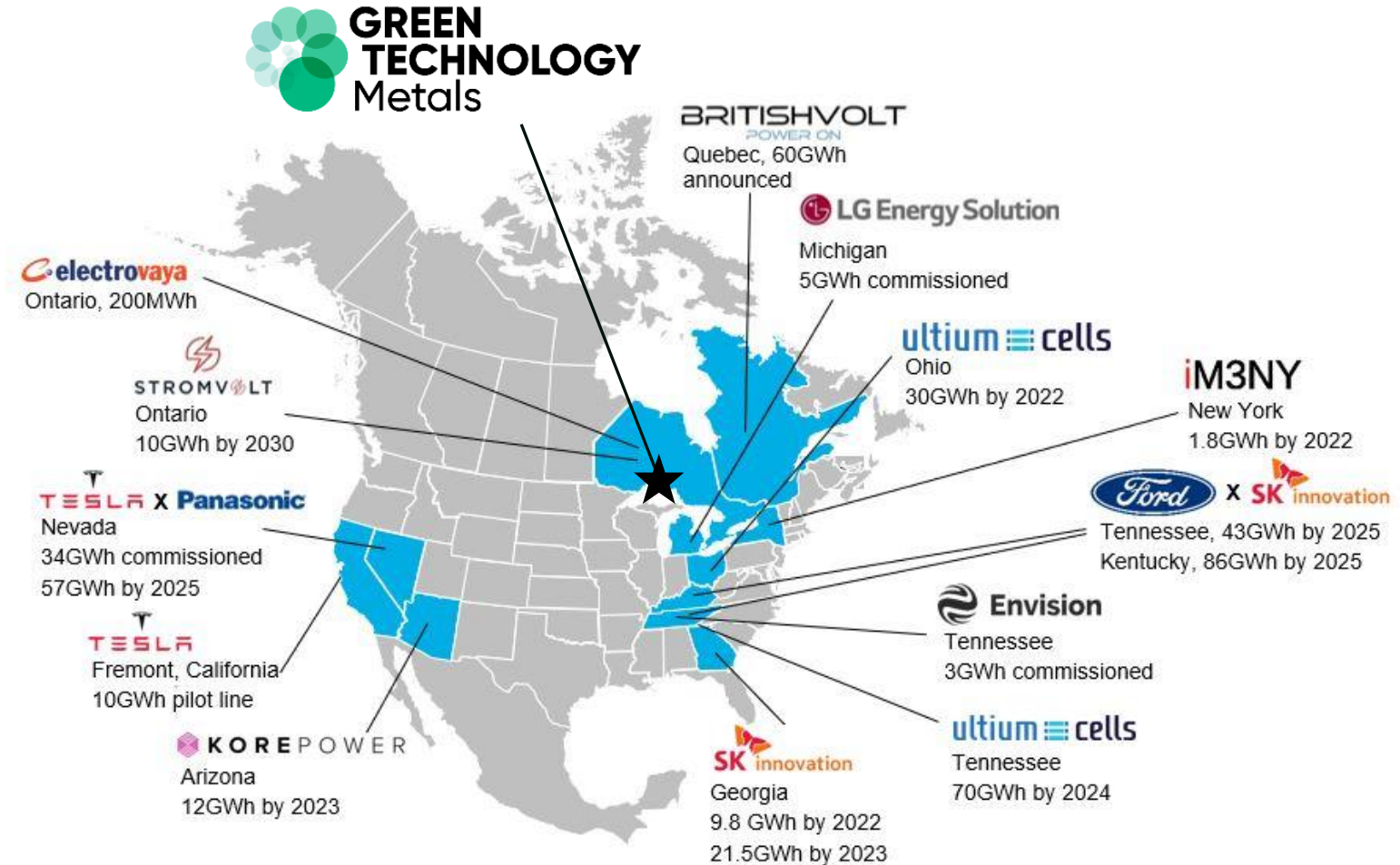


ATTRACTIVE METALLURGY

EMERGING North American EV battery dynamics

Canada is the cornerstone of battery supply chain

- North America hosts **all critical ingredients needed for EV batteries**: lithium, nickel, cobalt and graphite
- Two cell manufacturers plan to build **gigawatt-hour scale cell manufacturing facilities in Ontario**
- Likely the rest of the **EV battery component manufacturing industry will follow** as suppliers move close to their customers

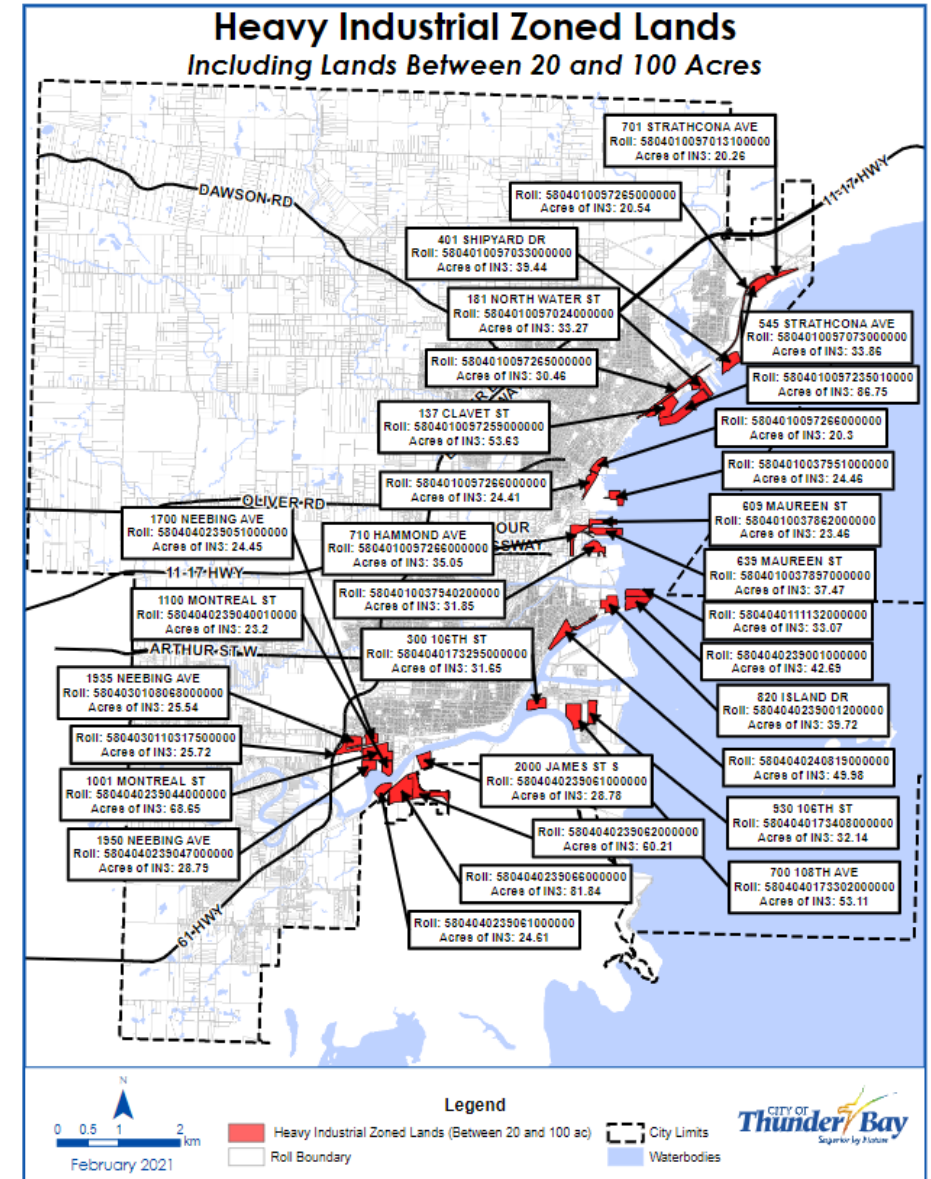


Source: Bloomberg

SUPPORTIVE Local jurisdiction

Thunder Bay Government on-board

- Over 50 potential heavy industry locations for lithium conversion facility
- Numerous available port facilities
- Thunder Bay Community Economic Development
 - Mining Readiness Strategy
 - City of Thunder Bay to support Mining Sector
- Federal Government
 - Mines to Mobility, Seizing the opportunity for Canada
- Discussing the introduction of “**Priority Status**” for Mining Companies in Lithium and EV Metals



DIRECT Access to hydro-power

A responsible company providing a material critical to a sustainable future

- Targeted 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
- 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
- **Early Exploration Agreement signed with Whitesand First Nation**



- In June 2021, the US Government Office of Efficiency & Renewable Energy published a National Blueprint for Lithium Batteries¹ to:
 - securing access to inputs
 - supporting a U.S. materials processing base

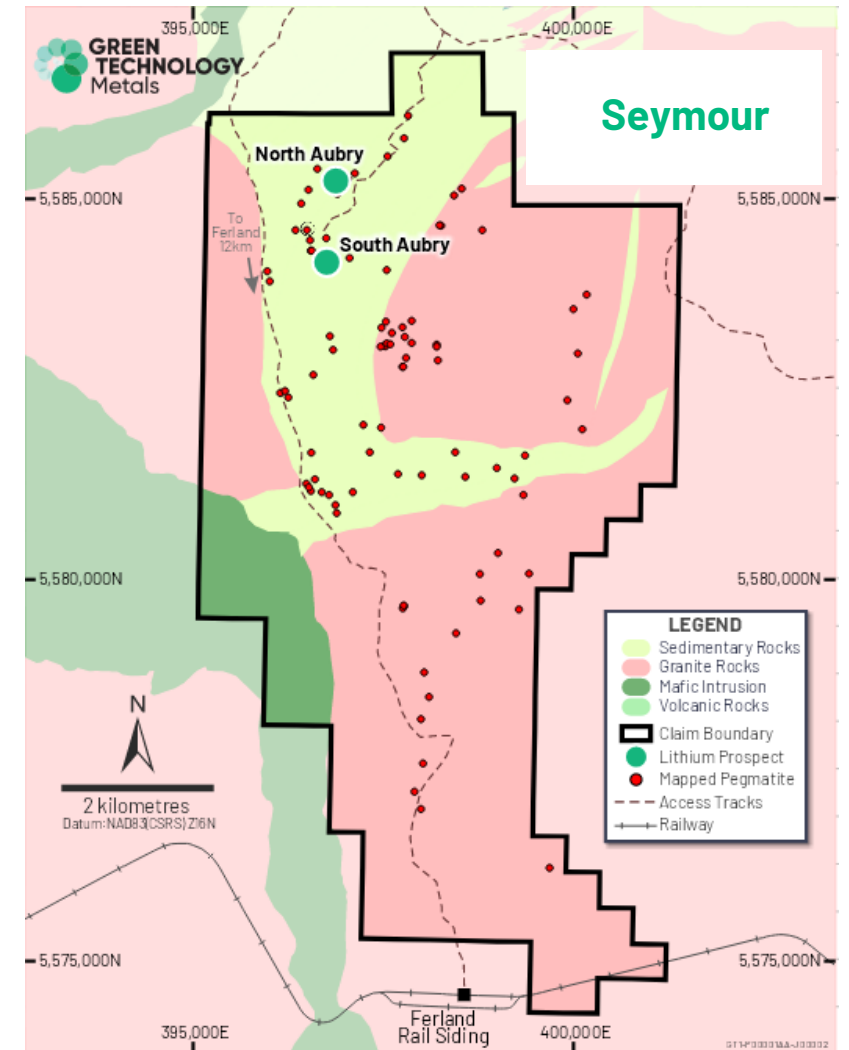
VISION FOR THE LITHIUM-BATTERY SUPPLY CHAIN

By 2030, the United States and its partners will establish secure battery materials and technology supply chain that supports long-term U.S. economic competitiveness and equitable job creation, enables decarbonization, advances social justice, and meets national security requirements¹

1 SEYMOUR Mapped pegmatites

Pathway markers to substantial potential resource growth

- **History** – Regional exploration commenced in 1950 by Government Geologists and Archean Greenstone Belt was delineated through Seymour.
- **Pegmatites** – Two large pegmatites were mapped by Prospector Nelson Aubry and subsequently converted to a JORC Resource.
- **Exploration** – Numerous other pegmatites have been mapped across the entire Seymour project with no apparent control of mineralisation.....



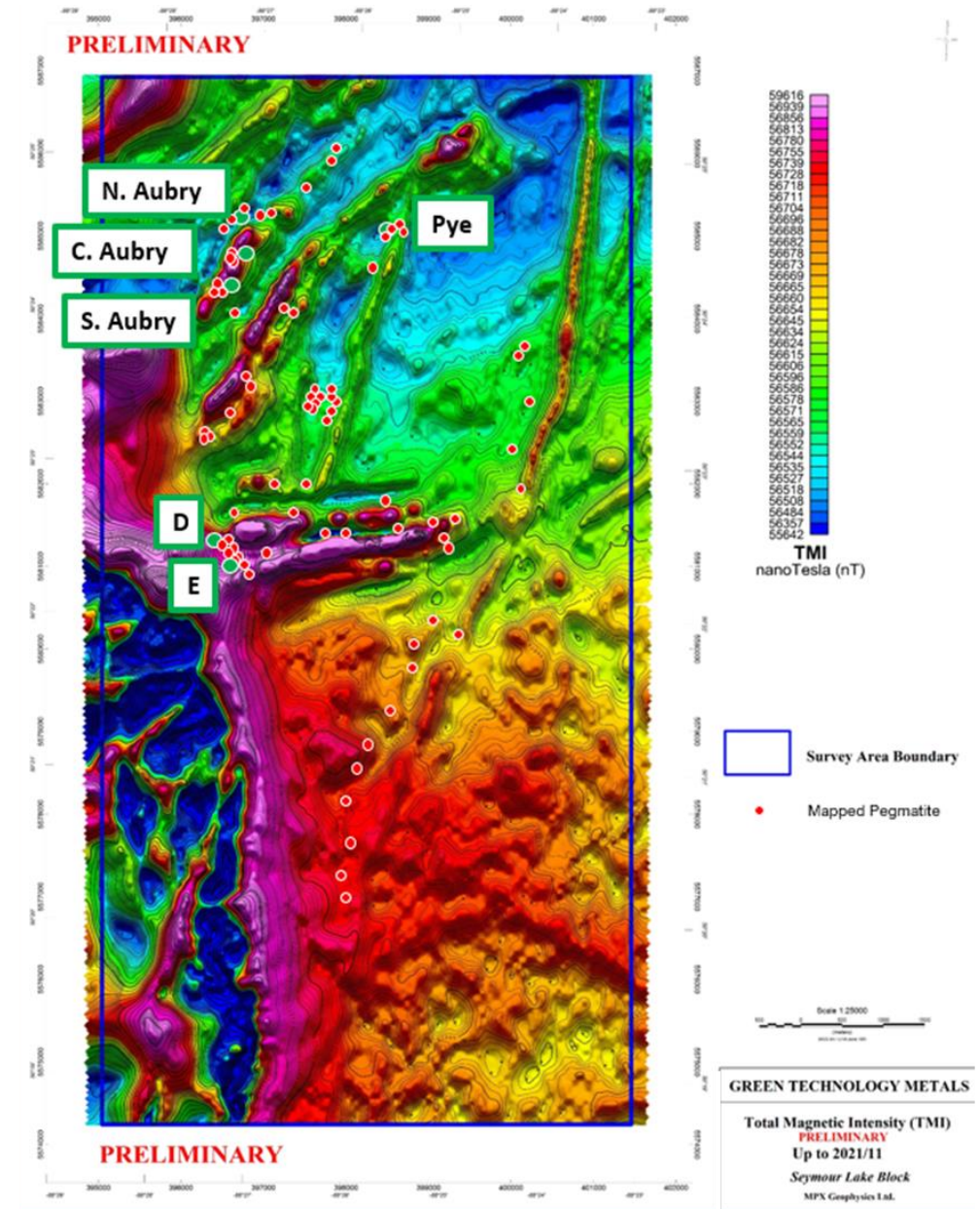
1 SEYMOUR Recent geophysics

Sharp delineation of structural controls

- Exploration target of **22 – 26 Mt @ 0.8-1.5% Li₂O** with 7km of strike identified

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

- Additional pegmatites exposed at surface with rock chip **lithium grades up to 4.54 Li₂O**¹:
 - Pye
 - Central Aubry
 - "D"
 - "E"



1 SEYMOUR Outcropping pegmatites across tenure

Large scale surface exposures



1 SEYMOUR Tip of iceberg parallels

Pegmatites typically bifurcate, pinch, swell and open up at depth

Greenbushes - WA



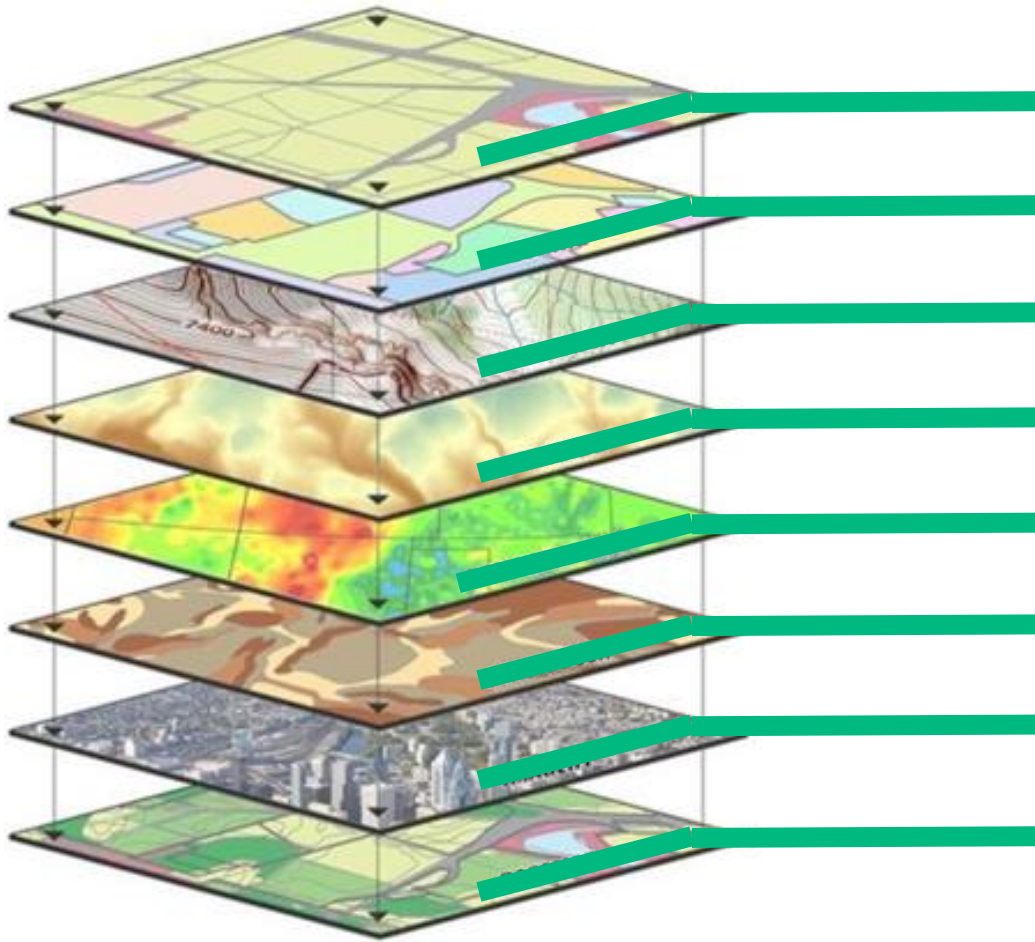
Wodgina - WA



Pilgangoora - WA



1 SEYMOUR A substantial initial work program complete



Seymour Data for interpretation	
	Geological map, Geochemistry & MRE (2018 to date)
	Aerial Photography (August 2021)
	LiDAR (August 2021)
	Total Magnetic Intensity (September 2021)
	Radiometric K, TC, Th, ThK, U, UK, UTh (September 2021)
	VLF - Elec Mag (September 2021)
	Sentinel remote sensing (October 2021)
	Ground Penetrating Radar (2018)



INTERPRETATION OF LITHOLOGY,
STRUCTURE AND TARGETS

1 SEYMOUR Rapid project advancement

Systematic and swift approach to aggressively growing high-grade Mineral Resources

Activity	Status
1. Review historical exploration, drilling and mining	Complete
2. Build geological database and model	Complete
3. LIDAR, aerial photography, and composite 3D mapping	Complete
4. Geophysical surveying	Complete
5. Geophysical interpretation	Commenced
6. Geological mapping	Ongoing
7. Drill targeting	Phase 1 ready
8. Ground preparations and drilling (11-hole, 3,800 metres diamond drilling program, two rigs)	Commenced
9. Updated Mineral Resource and geotechnical modelling	Q2 2022

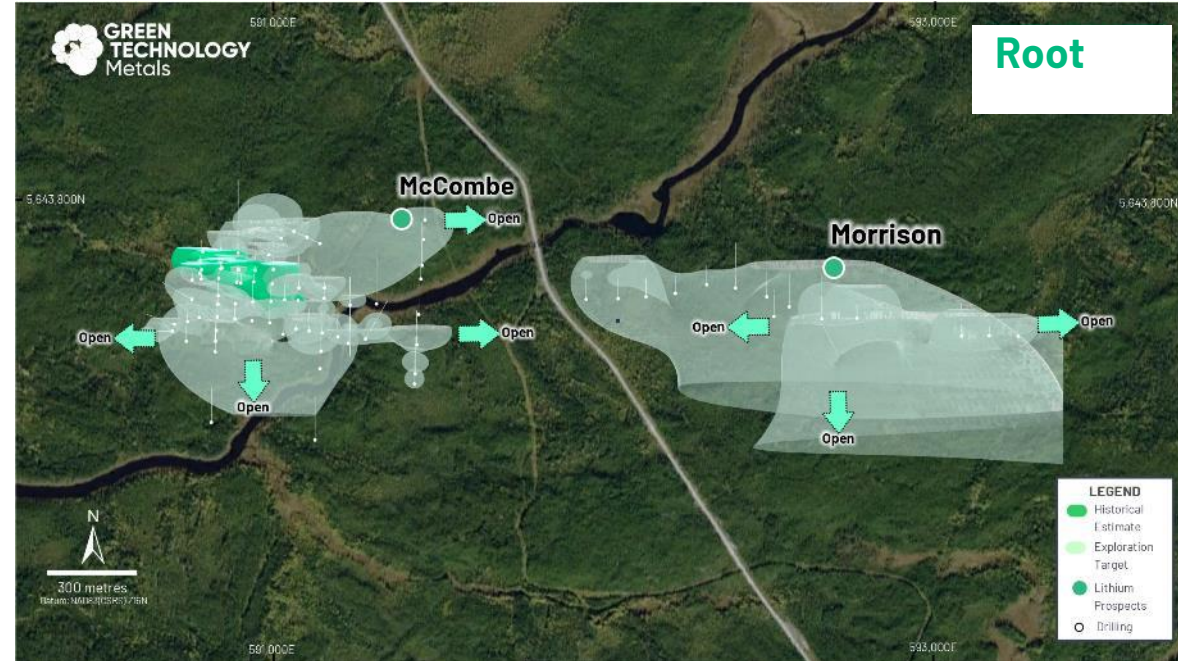
2 ROOT Significant along-strike and down-dip potential

McCombe stacked pegmatite swarm

- 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

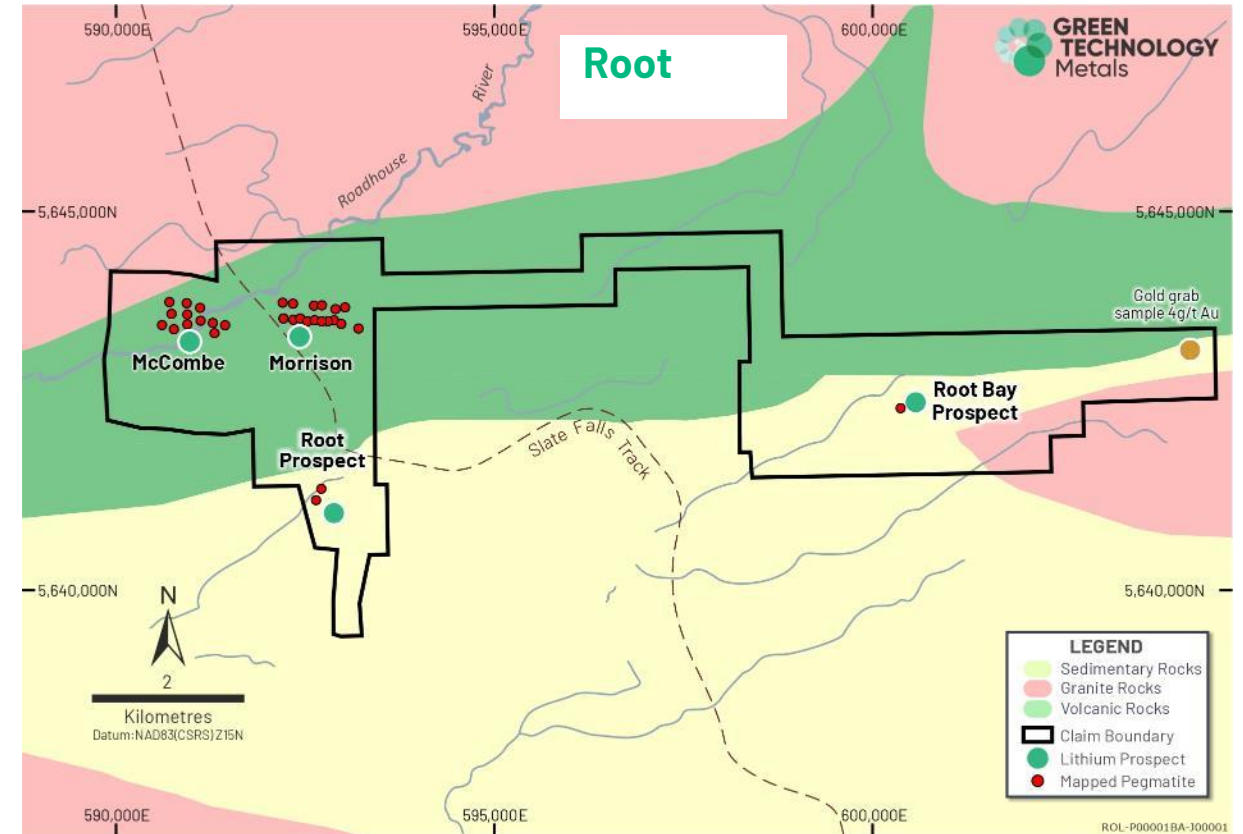


1: ADV – ASX 22 June 2016 Grades of up to 3.8% Lithium Oxide from maiden drill program.

2 ROOT Planned drilling of sizeable targets in 2022

Dense pegmatite swarms with a granted mining lease

- **Prospective** - four prospects with outcropping pegmatites offering walk-up drill targets
- **Ready for exploration** - additional 4.8km of potential strike length identified and awaiting testing
- **Early success** - historical estimate has been identified



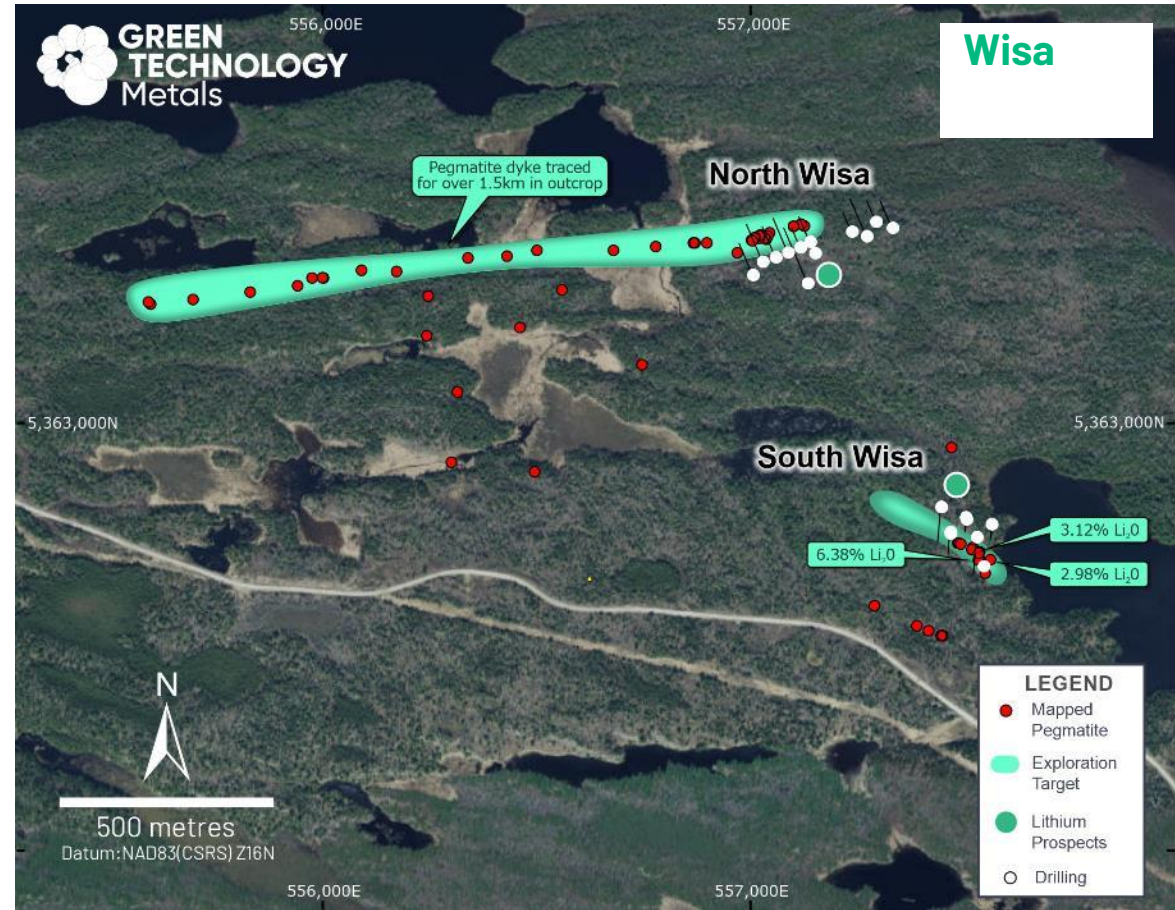
3 WISA Large-scale pegmatite corridor

Strategically located 8km from the US border

- **Large** – tenement base that covers 18.9km² historically an under-explored area
- **Potential** - Exploration target **8 - 10 Mt @ 0.8 to 1.5% Li₂O**

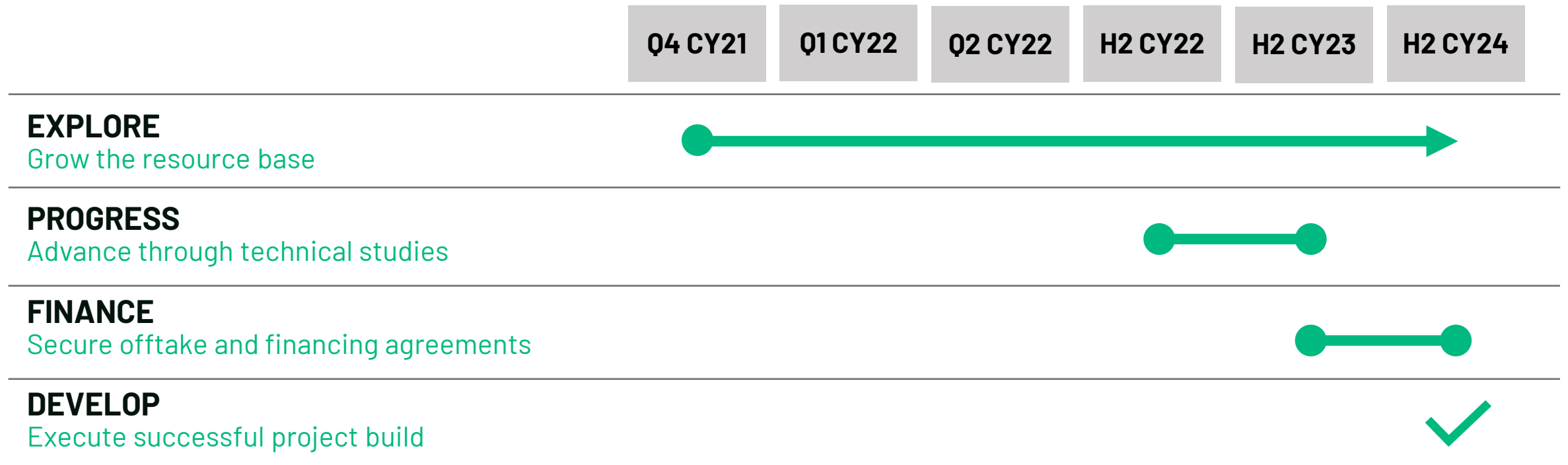
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See Appendix Exploration target

- **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



ACTIVITY Plan

Rapid resource expansion and an accelerated pathway to financing



BUILDING A SUSTAINABLE, NORTH-AMERICAN FOCUSED

Lithium Business



BEST IN CLASS TEAM AND PARTNERS



STRONG ESG CREDENTIALS



STRATEGIC LITHIUM PROJECTS



FAST TRACK DEVELOPMENT STRATEGY



SUBSTANTIAL EXPLORATION UPSIDE



ATTRACTIVE METALLURGY



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APPENDIX A

Mineral Resources



APPENDIX Resource estimate

The Ontario Lithium Projects

Seymour Lake 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

1: ADV - ASX Announced 6th March 2019, Substantial Increase in Mineral Resources at Seymour Lake.

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 Person Statements

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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