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# **Investment Rationale – Acquisition of Lotus Minerals**

PORTFOLIO SYNERGY, NOT DIVERSION – BROWNFIELD PROJECT ACQUISITION WITH NEAR-TERM DRILLING<sup>27</sup>

#### > PORTFOLIO SYNERGY



Natural hedge against lithium price cycles

**Energy-transition relevance:** EV and grid-storage demand

Separate business units: East Coast gold and copper, Brazil lithium

#### AL STRUCTURE AND MILESTONES



Near-term drilling targets to generate meaningful news flow

Balanced with ongoing lithium commitment in Brazil

#### **ER-1 JURISDICTIONS**

Key tenements in QLD Goldfields and NSW's Lachlan Fold Belt

Infrastructure-rich: road, rail, power, access and tier-1 operators

Historical exploration and advanced targeting: previous exploration

(e.g. Mt Turner) delivers de-risked, near-term drill readiness

Porphyry potential in NSW and QLD: world-class neighbours and operations

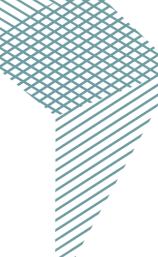
Ongoing target generation: ability to execute lithium targets in Brazil's Lithium

Valley when sentiment turns









# **GOLD AND COPPER TODAY.** LITHIUM TOMORROW.

**Gold:** resilient and at record prices

Copper: essential for electrification and renewable-energy build-out

Lithium: demand continues surging with global EV and storage rollout

Gold

Copper

Lithium

# Multi-Commodity Strategy: Gold & Copper with a Lithium Advantage

CRITICAL-MINERALS DELIVERING PRECIOUS-METALS EXPOSURE AND A NATURAL HEDGE FOR INVESTORS

#### **CASSETS ACQUIRED**

QLD Gold and Copper Projects: 4 granted

icences in Far North Queensland

NSW Copper-Gold Projects: 3 exploration

cences in the Lachlan Fold Belt

#### **STRUCTURE**

Agreements with deferred vendor milestone components based on progress and success

100% ownership with no farm-in or joint-venture encumbrances

COMPONENT	CONSIDERATION (L1M ORD SHARES)	CONDITIONS
<b>Onitial Consideration</b>	30,000,000	Upfront
Milestone 1	10,000,000	Completion of drilling at least 1,000m
Milestone 2	20,000,000	250,000 oz Au or Au Eq JORC Inferred Resource
Milestone 3	30,000,000	500,000 oz Au or Au Eq JORC Inferred Resource

**Q3** 25

Mt Turner gold project drilling

Mt Turner gold project target generation

Mt Turner copper project target generation

Lachlan Fold Belt target generation

Q4 25

Mt Turner gold project drilling

Mt Turner gold project target generation

Mt Turner copper project drilling

Target generation – All projects

Au Gold

Cu Copper

Lı

Lithium

# **Capital Structure and Team**

\$0.038

Share Price (29 August 25)

\$7.32M

Market Cap\*

\$1.45M

Cash (29 August 2025)

188M

Shares on Issue\*

72M

Options\*

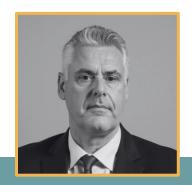
46M

Performance Rights (29 August 2025)

\*Post completion and issue of transaction related shares



Alex Biggs
MANAGING DIRECTOR



Craig Sharpe
INTERIM NON-EXECUTIVE CHAIRMAN



Jamie Day
NON-EXECUTIVE DIRECTOR

Mr Biggs is a Mining and Mechanical Engineer with over 20 years' experience in the engineering and mining sectors. Mr Biggs is currently a Non-Executive Director at Metals Australia Ltd (ASX) and previously Managing Director of Critical Resources Ltd (ASX). He has held management and operational positions at Venturex Resources, Palisade Capital Corporation, Barrick Gold, and Principal level positions in consultancy and advisory capacities.

Mr Sharpe has over 25 years of experience across the finance sector in the Asia Pacific region. He is an experienced Company Director and Financial Advisor with a demonstrated history of working in the equity markets. Including over 25 years' experience in the Australian stock market. Mr Sharpe is skilled in corporate governance, strategy, portfolio management and investments and is a MBA graduate of Monash University and a member of the Australian Institute of Company Directors.

Mr Day is a qualified Geologist with over 30 years experience with a BSc (Hons) in Applied Geology and MSc in Mineral Exploration. Mr Day was Exploration Manager at Liontown Resources (ASX: LTR) where he led the team that discovered the Kathleen Valley project (156Mt @ 1.4% Li $_2$ 0) and Buldania project (15Mt @ 1.0% Li $_2$ 0). He led the team that discovered the Rosie and C2 nickel sulphide deposits for Independence Group (ASX: IGO) and played a key role in the delineation of >1 Million ounces of gold at the Moolart Well deposit.

# **Advanced Gold and Copper Projects in Australia**

STRATEGIC GROWTH AND DIVERSIFICATION IN GOLD AND CRITICAL MINERALS THROUGH ACQUISITION OF LOTUS MINERALS

Near Term Drilling and News Flow: Results across multiple project areas demonstrate opportunity to drill targets in the near-term both with gold and copper targets. Significant news flow to be generated across both commodities

**Tier-1 Discovery Potential and IP**: Strong historical results, geology, location and deposit style indicate motential for scale. Acquisition will also bring project specific personnel and IP accelerating works

**Diversifies and Strengthens Portfolio**: Adds gold and copper exposure to complement Lightning's lithium focus, enhancing growth opportunities across high-demand commodities

Macro Tailwinds: Gold remains resilient at near-record prices. Copper is a high demand critical mineral into the future. Lithium demand continues to surge with global electrification and energy transition

Milestone Based Deal: Deal is based on success and achievement of project related milestones with trong existing IP to accelerate drilling and exploration strategies

**Balanced Growth Strategy**: Maintains commitment to lithium in Brazil while seizing a compelling gold and copper opportunity with near term news flow and proven mineralisation



# **Acquisition of Lotus Minerals**

DRILL READY TARGETS AND SIGNIFICANT DISCOVERY POTENTIAL IN QUEENSLAND AND NEW SOUTH WALES

#### QUEENSLAND

Owo projects (**Mt Turner** and **Warby Scardon**) in the highly prospective Georgetown Inlier in the North Queensland Region covering 829km<sup>2</sup>

rospective for orogenic gold and Cu-Au porphyry systems with multiple drill ready targets at the Mt urner project

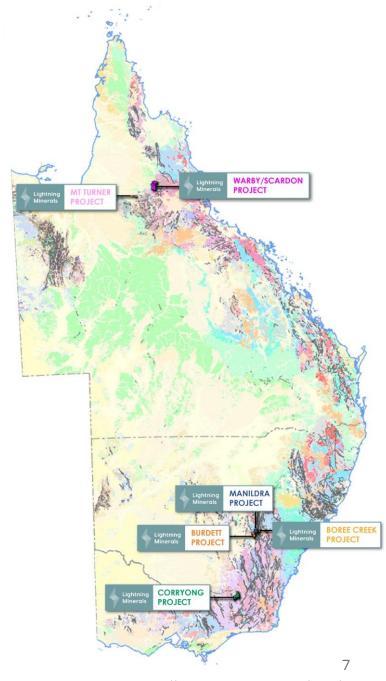
mmediate exploration target area to focus on five historical shallow oxide pits occurring along a 14km strike of prospective fault system

revious historic (Non JORC compliant) <sup>1a</sup> drilling to guide exploration. Near-term drill targets beneath pits and along strike

#### NEW SOUTH WALES

Three projects covering 788km<sup>2</sup> (**Boree Creek**, **Burdett** and **Manildra**) located in the prolific Lachlan old Belt between the Northparkes project (Evolution Mining (ASX: EVN)) and Cadia Valley projects (Newmont Mining (ASX: NEM))

Highly prospective for Cu-Au porphyry systems with historic drill results including 48m @ 0.35% Cu and 0.31g/t Au from 96m (RC94DH06)  $^{2a}$ 



Located in the western portion of the Georgetown Inlier, within the Etheridge Goldfield

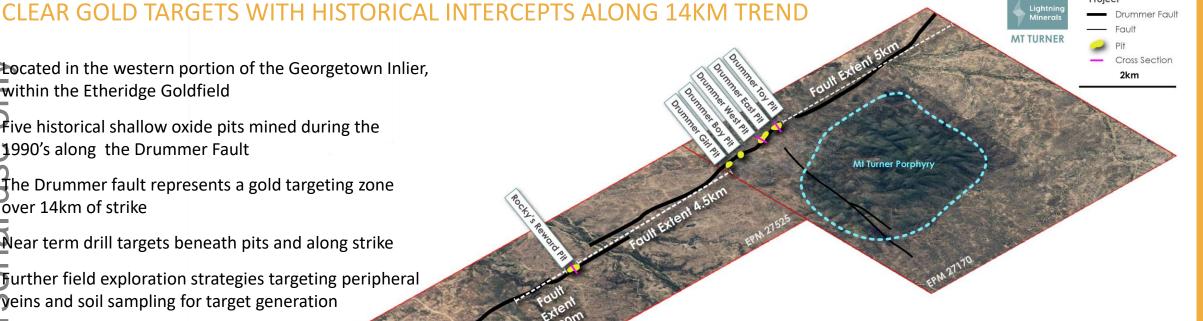
rive historical shallow oxide pits mined during the 1990's along the Drummer Fault

the Drummer fault represents a gold targeting zone over 14km of strike

Near term drill targets beneath pits and along strike

Further field exploration strategies targeting peripheral

(Neins and soil sampling for target generation



Historical (Non JORC) results of include:

#### **Essex Minerals Inc (2021)**

7m @ 1.7g/t Au and 68g/t Ag from 64m downhole inc 3m @ 2.93 g/t Au from 65-68m (Hole 21ISMDWRC001)<sup>3a</sup>

3m @ 5.1g/t Au and 51g/t Ag from 83m downhole (Hole DH-2)<sup>3a</sup>

#### **CRA Exploration Ltd (1987)**

16m @ 3.56 g/t Au (Hole UMDT95 D04)<sup>5a</sup>

16.0m @ 3.60g/t Au (Hole UMDT95 D03)<sup>5a</sup>

12m @ 6.5g/t Au (Hole UMDT95 D03)<sup>5a</sup>

7.5m @ 1.6g/t Au (Hole QMCD83 D04)<sup>5a</sup>

DRILL READY TARGETS WITH PREVIOUS INTERSECTIONS UNDER HISTORIC OPEN PITS

Drill plan – initial **1,000m following project acquisition** targeting beneath existing pits

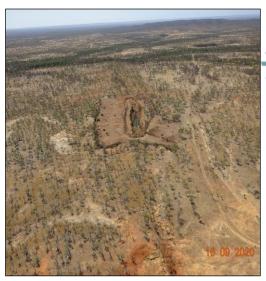
Substantial historic exploration drilling data exists over project area accelerating future exploration

**Proven gold mineralisation** along Drummer fault – 14km of exploration potential

Historic mining – mining of oxide through open pits provides clear focus for initial drill targeting

#### \_Additional works include:

Airborne and ground based radiometrics Aero-magnetics and LiDAR Sampling and reconnaissance Target generation along 14km trend



**ROCKY'S REWARD PIT** 



DRUMMER TOY PIT

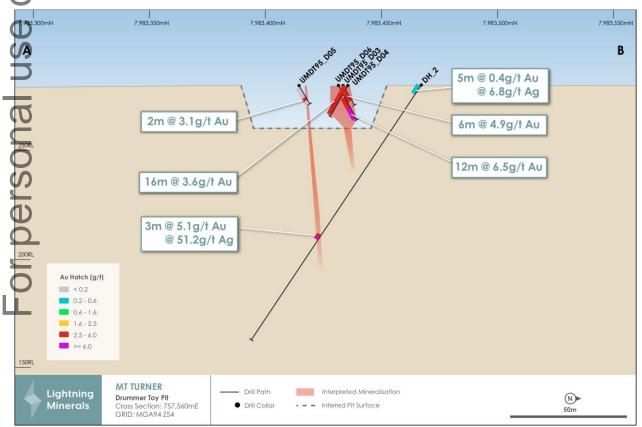


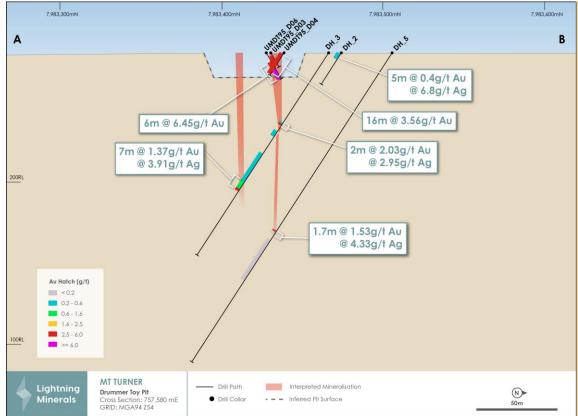
**DRUMMER BOY PIT** 



#### MULTIPLE DRILL-READY TARGETS ALONG STRIKE AND BENEATH HISTORIC PITS

Short-term exploration will focus on delineating plunging, breccia-hosted gold shoots along the Drummer Fault, with additional potential for hypogene gold mineralisation beneath shallow oxide pits.

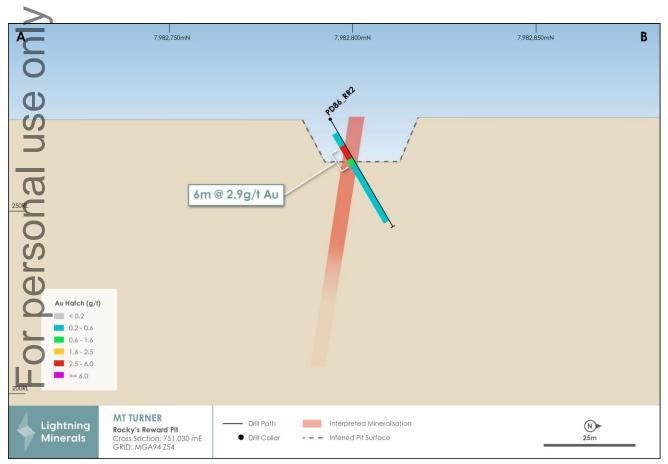




<sup>3</sup>a Essex Minerals (TSX-V:ESX) TSXV Announcement - Essex Reports Numerous High-Grade Gold Intercepts At Drummer Fault, October 13, 2021

<sup>&</sup>lt;sup>4a</sup> Essex Minerals (TSX-V:ESX) TSXV Announcement – Exploration Update – Mt Turner Project, June 21st 2022

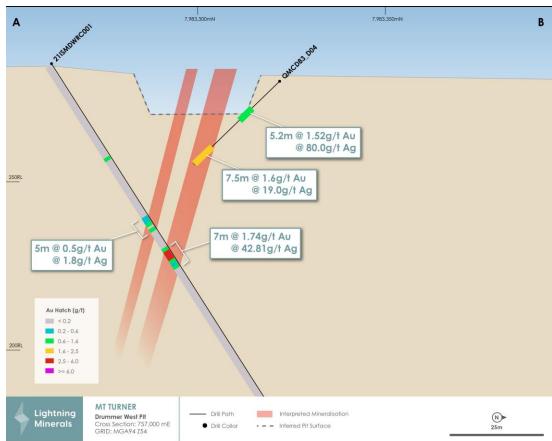
#### HISTORIC PITS UP TO 4.5KM APART ALONG 14KM DRUMMER FAULT



Note: Historical drill results shown are not considered to meet JORC 2012 standard.

please refer to Appendices - Disclaimer - Reporting of Historical Drilling Reference 1

Relating to the Reporting on non JORC compliant drill results





<sup>&</sup>lt;sup>3a</sup> Essex Minerals (TSX-V:ESX) TSXV Announcement - Essex Reports Numerous High-Grade Gold Intercepts At Drummer Fault, October 13, 2021

<sup>&</sup>lt;sup>4a</sup> Essex Minerals (TSX-V:ESX) TSXV Announcement – Exploration Update – Mt Turner Project, June 21st 2022

<sup>5</sup>a CRA Exploration Ltd 1987 - Clark Creek A to P 4416M, North Queensland, Report On Investigations For The First Six Months Of Tenure,

# **Mount Turner Cu-Au-Mo Project**

GEOPHYSICS HAS IDENTIFIED SIGNIFICANT COPPER, GOLD AND MOLYBDENUM PORPHYRY POTENTIAL

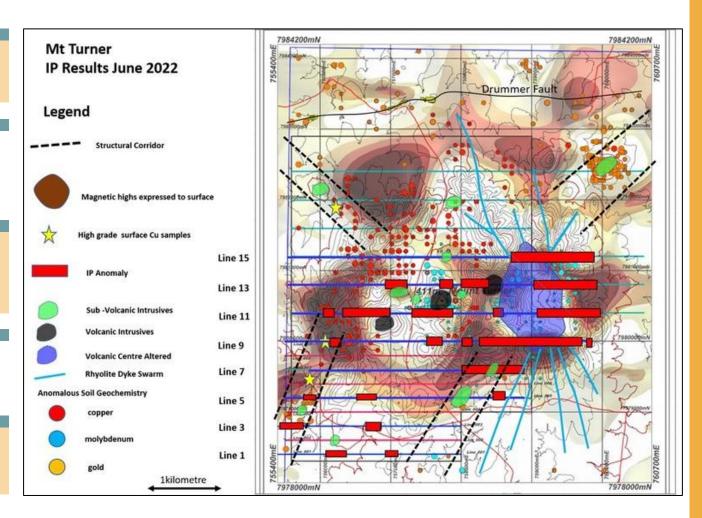
Porphyritic intrusive at Mt Turner Project has **potential for Porphyry related Cu-Au-Mo system covering 16km<sup>2</sup>** 

Induced Polarity geophysics by Meryllion Resources Corp in 2022 (CSE: MYR) <sup>8a</sup> **highlight three drill ready shallow porphyry targets** 

Review valuable existing data including LiDAR, geology, geochemistry and magnetics to drive exploration of major targets

No recent drilling has targeted anomalous Cu and Mo soil geochemistry results

Further infill soil sampling and data reinterpretation to identify priority drill targets



# Lachlan Fold Belt – Large Scale Copper Porphyry Potential Near to Cadia Valley and Northparkes

SIGNIFICANT COPPER-GOLD INTERSECTIONS UP TO 48M @ 0.35% CU AND 0.31G/T AU<sup>2</sup> INDICATES SCALE POTENTIAL

Three Projects in the prolific Lachlan Fold Belt in New South
Vales: Boree Creek/Dairy Hill, Burdett and Mildra

Region is home to world-class epithermal gold and porphyry opper-gold deposits, including:

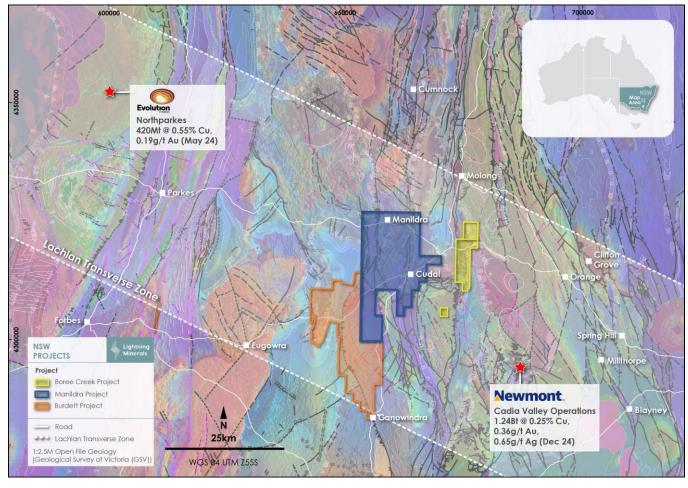
Cadia Valley (Newmont): 42Moz Au, 8.7Mt Cu<sup>6a</sup>, and Worthparkes (Evolution): 2.5Moz Au, 2.3 Mt Cu<sup>7a</sup>

Prior drilling undertaken by a CRA Exploration Rio Tinto Joint Yenture at the Boree Creek Project including 48m @ 0.35% Cu and 0.31g/t Au (RC94DH06) <sup>2a</sup>

The Projects are within the Lachlan Traverse Zone (LTZ) of the Lachlan Fold Belt. Located approximately half-way between the world class Cadia Valley and Northparkes porphyry Au-Cu mines

The LTZ is host to numerous porphyry, epithermal, skarn, orogenic gold, base metal and precious metal mines and proven resources

Clear exploration targets with potential scale



## Lachlan Fold Belt - Boree Creek

#### SIGNIFICANT COPPER-GOLD INTERSECTIONS DEMONSTRATE PORPHYRY SCALE POTENTIAL

Four shallow drill holes by CRA Exploration Rio Tinto Joint Venture demonstrate potential scale

48m @ 0.35% Cu and 0.31g/t Au (RC94DH06) 2a

62m @ 0.23% Cu and 0.14g/t Au (DD95DH13) 2a

**5**7m @ 0.12% Cu and 0.10g/t Au (RC94DH06) <sup>2a</sup>

\_33m @ 0.23% Cu and 0.14g/t Au (DD95DH13) <sup>2a</sup>

Proven porphyry system that hasn't been tested at depth

Clear exploration targets with potential scale both along strike and at depth

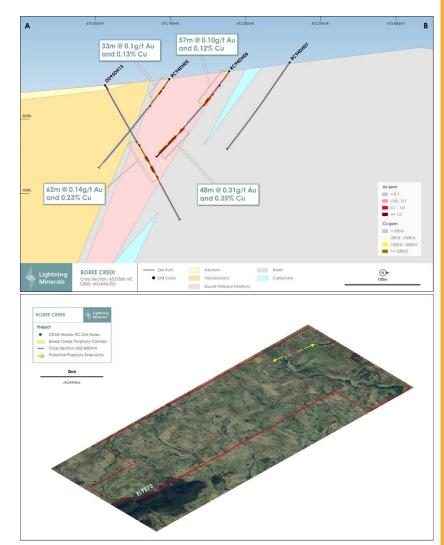
Geophysics required to locate targets at depth

Surface reconnaissance works to determine strike potential

Regional analogous projects such as Cadia Valley (Newmont Corporation, ASX: NEM)

LRecent commercial transactions in the region include Fortescue Metals' (ASX:FMG) farm-in deal with Magmatic Resources (ASX: MAG)

Deal is A\$14M over 6 years to earn up to 75% interest in project which demonstrates potential commercialisation opportunities for the region



# **Warby Scardon Project**

MULTIPLE ADDITIONAL HIGH PRIORITY GOLD, COPPER AND BASE METAL TARGETS

The Warby-Scardon gold project includes two tenements with multi commodity potential

The projects are prospective for gold, silver and base metals located in the prospective Warby and Scardon Caldera complexes of the Georgetown Inlier in North Queensland

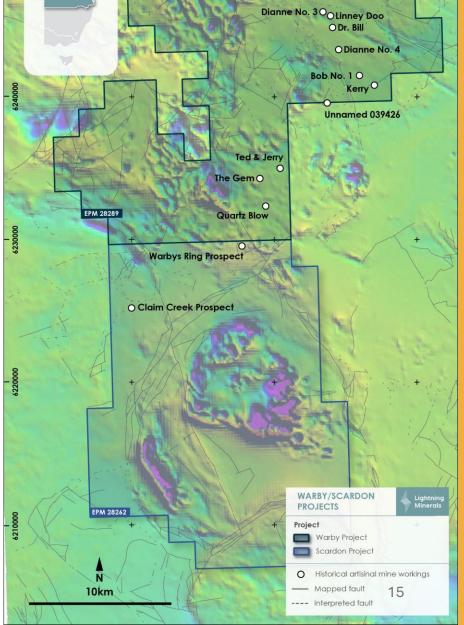
Region is considered underexplored with little modern exploration

Projects present **excellent early-stage opportunity** and located in proximity to the Mt Turner Gold and Mt Turner Copper Projects allowing shared exploration resources

Target generation strategies include:

Airborne and ground based radiometrics Aero-magnetics LiDAR

Sampling and reconnaissance
Historic data review



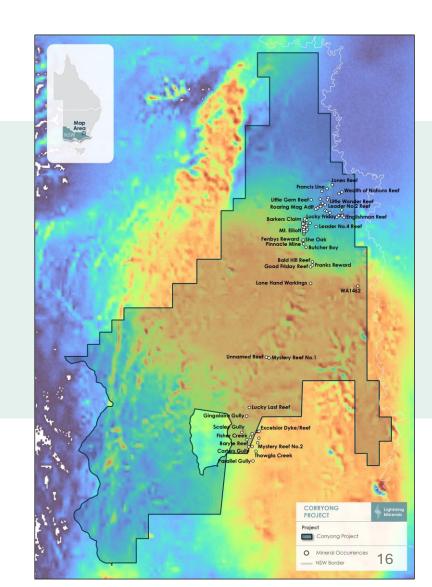
# Lachlan Fold Belt - Corryong Project, Victoria

SIGNIFICANT COPPER AND GOLD POTENTIAL IN AN UNDER EXPLORED REGION

**Location:** The Corryong Project is a granted exploration lease located in the Lachlan Fold Belt on the Victorian side of the NSW-Victorian border

**Desktop reviews:** Desktop reviews of available data suggest the licence may be host to progenic Gold, poly-metallic Skarn and Porphyry (+/- Mo, Au, Cu, Ag) mineralisation

Targets: To focus on exploration analogues of Climax and Henderson Molybdenum mines in the USA



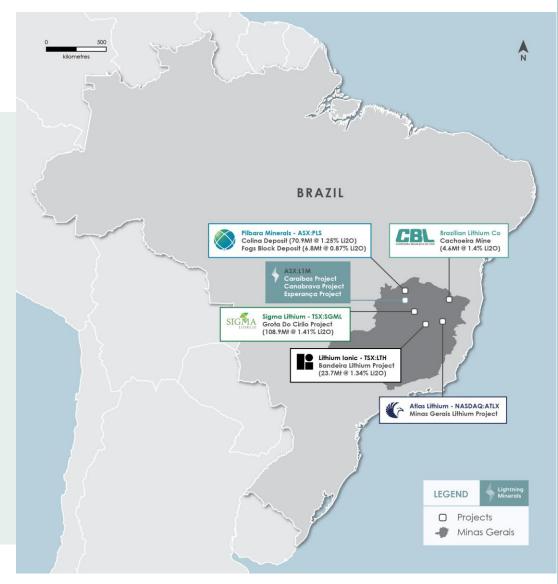
# Minas Gerais, Brazil

#### A LITHIUM POWERHOUSE

World's fifth largest Lithium exporter in 2023 and growing with Lithium Valley being one of the world's premier Lithium regions

Minas Gerais government supporting investment and development through Invest Minas with MoU executed with Lightning Minerals in October 2024

**Strong mining expertise** throughout Minas Gerais with highly skilled mining and exploration personnel





# We <u>Still</u> Believe in the Longevity of the Lithium Thematic. And Brazil

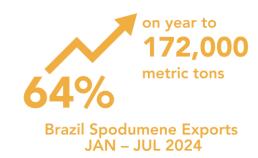
#### TAKING A LONGER-TERM OUTLOOK ON LITHIUM

#### **Policy Driven Change**

A substantial rise in critical minerals is needed to swiftly deploy clean energy technologies as per global government policies

#### **Right Commodity**

Critical minerals demand to rise by as much as six times, but individual minerals led by Lithium to rise even faster

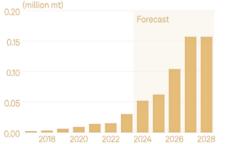


#### **Mass Adoption**

By 2035, more than half of new passenger vehicles sold worldwide will be electric – based only on existing policies to promote change

#### **Right Country**

Brazil is emerging as one of the world's top Lithium producers



Forecast spodumene exports to increase 5x in next 5 years

# Bra Low-cos

# **Brazil: An Emerging Superpower**

Low-cost jurisdiction with a skilled workforce and a supportive government encouraging investment Strong infrastructure and economic stability. EU- Mercosur trade agreement signed in December 2024.

+21.35 GPD %

\$1.92 trillion (2022) → \$2.33 trillion (2024, est.)

216.73M
POPULATION GROWTH

211M (2019) → 216.73M (2024, est.)



Abundant mineral resources



EV sales surge in H1 2024

#### **ECONOMIC**

**10th largest GDP** globally 79th GDP per capita globally

**Largest GDP in Latin America** 

Member of **BRICS** 

#### **WORKFORCE**

Predominantly **youthful** workforce driving **innovation and productivity** 

Skilled **on ground experience** and discovery track records

#### **MINING**

**Rich in mineral resources** and geological diversity

Established infrastructure and government support

Positioned for **global demand and downstream** industries

#### **EMERGING MARKETS**

Leading in renewable energy, mining, and technology

**EV** sales are surging, highlighting Brazil's shift towards clean technology

Lightning Minerals ASX: L1M

For personal

## Esperança, Caraíbas and Canabrava Projects

**MULTIPLE EMERGING DRILL TARGETS** 

#### Location

**4,400 Ha** in the prolific Eastern Brazilian Pegmatite Province "Lithium Valley" of Minas Gerais

20km south of Pilbara Minerals' (ASX: PLS) Colina project (70.9Mt @ 1.25% Li<sub>2</sub>O) and north of Sigma Lithium's (NASDAQ: SGML) Grota do Cirilo project (108.9Mt @ 1.41% Li<sub>2</sub>O)

#### **Positive Results and Indicators**

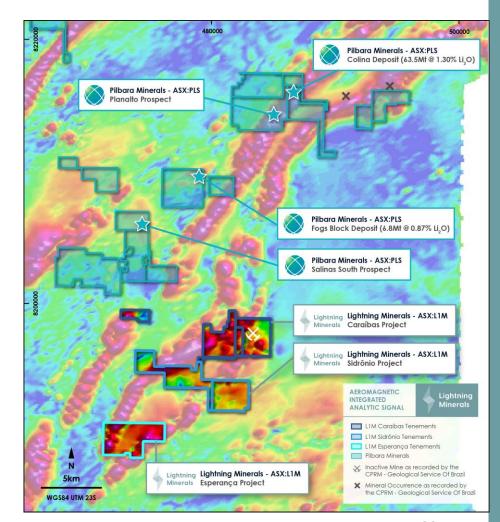
**Spodumene discovery**<sup>22</sup> at Esperança grading **4.04% Li<sub>2</sub>O** (LIBS) from artisanal workings including multiple outcropping pegmatites across all tenements

Multiple high grade soil sampling results up to **429ppm Li** indicates high prospectivity<sup>26</sup> and 6 Priority 1 geophysical targets<sup>24</sup>

#### **Work Programs**

Phase 1 soil sampling completed December 24 across all tenements – **Multiple** targets identified

**Phase 1 drilling** at Esperança started in Q1 2025 – further target generation underway through 2025



# Esperança, Caraíbas and Canabrava Projects

MOVING QUICKLY IN THE LITHIUM VALLEY

JUNF 2024

Completion of acquisition of Bengal Mining and A\$1.5M capital raise at A\$0.07

**JULY 2024** 

Start of soil sampling and ground reconnaissance works at Caraíbas and Canabrava

**AUGUST 2024** 

Acquisition of the Esperança project under exclusive option for 2 years

OCTOBER 2024

Lithium targets identified at Canabrava project (lithium in soil anomalism up to 113ppm Li)

**NOVEMBER 2024** 

Spodumene discovery at Esperança grading at 4.04% Li20

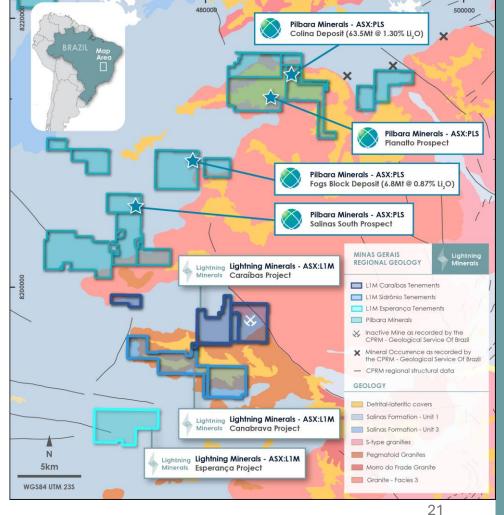
DECEMBER 2024

Completion of soil sampling across all project areas in Brazil (lithium in soil anomalism up to 429ppm Li)

May 2025

Initial drilling completed at the Esperança project

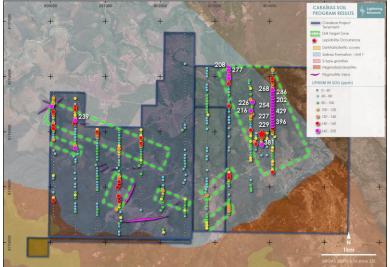
Ongoing target generation – we'll be prepared when lithium sentiment improves



# Esperança, Caraíbas and Canabrava Targets

MULTIPLE HIGH PRIORITY DRILL TARGETS – TARGET GENERATION CONTINUES







#### **Esperança Project**

Up to 2,000m drill program begun February 2025

#### **Target**

Spodumene discovery up to 4.04% Li<sub>2</sub>O (LIBS) with multiple pegmatite occurrences

#### **Drilling**

Completed Q2 2025

#### **Caraíbas Project**

Up to 1,500m planned (Initial targeting)

#### **Target**

2km NW-SE trend (West), Lithium in soil anomalism up to 239ppm Li and 1.5km NW-SE trend (East), Lithium in soil anomalism up to 429ppm Li<sup>23,26</sup>

#### **Drilling**

TBC

#### **Canabrava Project**

Meters TBC (Planning underway)

#### **Target**

NW-SE trend, Lithium in soil anomalism up to 113ppm Li with multiple pegmatite occurrences (West) and up to 320 ppm Li trend (South-East)

#### **Drilling**

**TBC** 

Lightning ASX: L1M

# Timeline of Work

Q3-2-5

Q4-25

Q1-26

Q2-2-6

Mt Turner gold project drilling

Mt Turner gold project target generation

Mt Turner copper project target generation

Lachlan Fold Belt target generation

Mt Turner gold project drilling

Mt Turner gold project target generation

Mt Turner copper project drilling

Target generation – All projects

Mt Turner gold project target generation

Lachlan Fold Belt drilling

Target generation – All projects

Thesis development – Mt Turner gold and

copper projects

Mt Turner gold project drilling

Mt Turner gold project target generation

Lachlan Fold Belt target generation and sampling

Target generation – All projects

Ground reconnaissance

Target generation at Caraíbas

Thesis development at Esperança

Ground reconnaissance

Target generation at Canabrava

Sampling and mapping

Target evaluation

Drill planning Caraíbas

Drill planning Canabrava

Potential drilling Caraíbas\*

Potential drilling Canabrava\*

Target generation

Review of Dundas North

Target generation Dundas North

Thesis development Dalmas/Hiver (Canada)

Review of Dundas North

Target generation Dundas North

Thesis development Dalmas/Hiver (Canada

Potential drilling Dundas North\*

Assays Dundas North

Thesis development Dalmas/Hiver (Canada)

Potential field program Dalmas/Hiver (Canada)

Further works at Dundas TBA

CANADA

# **Invest in Lightning**

#### **Strong Asset Base Driving Growth**



#### **PORTFOLIO SYNERGY**

We want to stay honest to our vision – we're not chasing just what's hot, we're committed to projects that add real value



#### **NEAR-TERM & MEDIUM-TERM STRATEGY**

Giving our shareholders a chance to benefit from the strong Gold and Copper markets in the nearterm and the Lithium market in the medium-term



#### **RELEVANCE**

Exploration of highly prospective, exciting assets in relevant commodities. Proactive, agile decision making that creates opportunity

#### **WORLD-CLASS ASSETS**

Proven regions in Australia, Brazil and Canada, near key projects and discoveries offering stability and optionality

#### **PROVEN RESULTS**

Proven track record of delivering milestones on time and within budget, consistently meeting expectations and delivering on our commitments

#### **MOTIVATED TEAM**

Trusted local and global team committed to growth and success



# **Other Projects**







### **Western Australia**

THE WORLD'S NUMBER ONE LITHIUM PRODUCER

Represented 47% of the world's Lithium supply in 2023

**Team experienced in Lithium** exploration within Australia

Well-developed Lithium expertise, infrastructure and project development skillsets



# **Dundas Projects**

#### **Two Project Areas**

Located in the emerging Lithium super province in Western Australia, close to major Resource projects and infrastructure

#### Location

Northern tenements 30km east of Bald Hill (58Mt at 0.94%  $\rm Li_2O$ ). Southern tenements surround Liontown Resources (ASX: LTR) Buldania project: 15Mt at 1.0%  $\rm Li_2O^9$ 

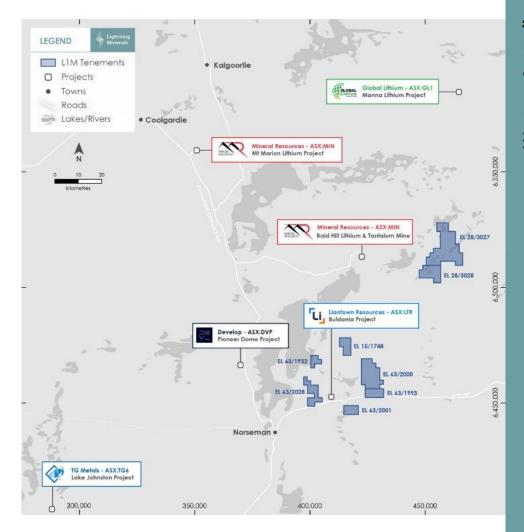
#### **Strong Early-Stage Results**

Phase 1 of drilling on E63/2001 and E63/2000 were completed with multiple geophysical and Lithium in soil anomalism up to 218ppm<sup>1,2,3,4,7,8, 10, 12, 14, 15, 18</sup>

In May 2024 results demonstrated a continuation of strong Lithium and rubidium occurrences - up to 994ppm Lithium and 1,834 ppm rubidium at depths of up to  $26m^{18}$ 

#### **Phase 2 Exploration Underway**

Further drill target identification and infill soil sampling planned, and subsequent drill programs once more discreet targets delineated. Results have defined three follow-up targets with elevated Lithium and associated pathfinder elements



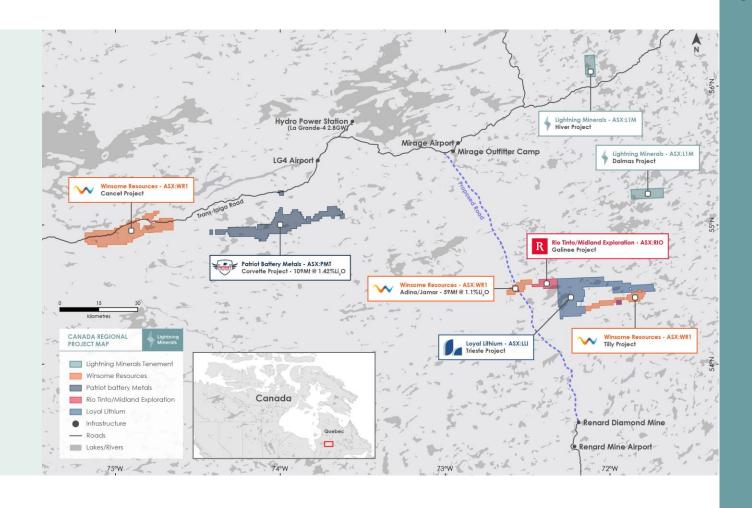
# Quebec, Canada

A BATTERY MINERALS HUB

**Over 300Mt+ Lithium Resources** at high Li<sub>2</sub>O grades recently defined

**Team experienced in Canadian exploration**, discovery and project growth

**Strategic location** as a North American battery minerals hub



# **Dalmas and Hiver Projects**

#### **Size**

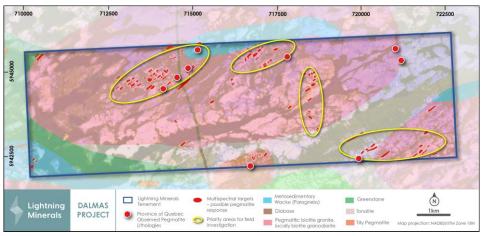
69km<sup>2</sup>

#### Location

150km east of Patriot Battery Minerals' Corvette Lithium project (ASX:PMT and 45km east of Winsome Resources' Adina Lithium project (ASX: WR1)

#### **Targets**

165 multispectral targets with 7 discrete clustered areas of interest. Previously mapped outcropping pegmatite lithologies occur at 1 of 3 priority areas<sup>5,6</sup>

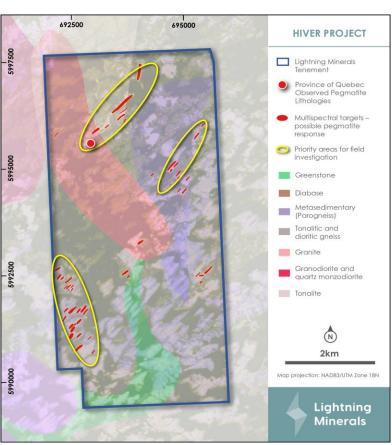


#### **Plans**

Phase 1 reconnaissance works complete in November 2023 – broad understanding of underlying geology to be further followed up with multiple pegmatites identified<sup>11, 13, 16</sup>

#### **Transactional Environment**

Rio Tinto's (ASX: RIO) acquisition of Arcadium Lithium (ASX: LTM) represents a positive move into Quebec and potentially accelerates project development timelines



# **Appendices**







# **Disclaimer - Reporting of Historical Drilling**

#### REPORTING OF HISTORICAL DRILLING

#### Reporting of Non JORC Historical Drilling Results

Historical exploration drilling results contained within this document are not in accordance with the JORC Code 2012. Exploration results included in this announcement include drill holes taken from reports compiled by previous explorers, the Company has not yet undertaken sufficient evaluation or exploration that would enable a competent Person to confirm and report these exploration results in accordance with the JORC Code 2012. It is possible that following further evaluation and exploration work that the confidence in these results may be reduced. Nothing has come to the attention of the Company during the Due Diligence period that causes it to question the accuracy or reliability of the historical exploration results. The Company has not independently validated the exploration results and is not to be regarded as adopting or endorsing them. There is no more recent relevant exploration data available. Proposed verification work includes further drilling and resampling of historical drill cuttings/core which is currently under review by Lightning Minerals.

#### References

CRA Exploration Ltd / Rio Tinto (JV) 1994 – NSW Digital Imaging Geological System Reports (DIGS) No. R00000144 (https://search.geoscience.nsw.gov.au/report/R00000144)

Essex Minerals (TSX-V:ESX) TSXV Announcement - Essex Reports Numerous High-Grade Gold Intercepts At Drummer Fault, October 13, 2021 (https://essexminerals.com/wp-content/uploads/ESX-2021-10-13-NR-Drummer-Fault-Drilling-FINAL.pdf)

4a Essex Minerals (TSX-V:ESX) TSXV Announcement – Exploration Update – Mt Turner Project, June 21st 2022 https://essexminerals.com/wp-content/uploads/ESX-NR-Mt-Turner-IP-Program-FINAL.pdf)

5a CRA Exploration Ltd 1987 - Clark Creek A to P 4416M, North Queensland, Report On Investigations For The First Six Months Of Tenure, https://geoscience.data.qld.gov.au/data/report/cr016859

<sup>&</sup>lt;sup>8a</sup> Meryllion Resources Corporation - Exploration Update - Mt Turner Project ' released to CSE onJune 21<sup>st</sup>, 2022 available to view at https://meryllionres.com/news-releases/meryllion-resources-corp-announces-exploration-up-4443/



<sup>&</sup>lt;sup>6a</sup> Newmont Corporation 2024 Annual Report (https://s24.q4cdn.com/382246808/files/doc\_financials/2024/ar/Newmont-2024-Annual-Report.pdf)

<sup>&</sup>lt;sup>7a</sup> Evolution Mining - Northparkes ASX release "Mineral Resources and Ore Reserves Statement" released to ASX on 14<sup>th</sup> February 2024 available to view at www.evolutionmining.com.au.

# Appendix 1 – Non-Core Assets

#### **Mailman Hill**

120km<sup>2</sup>

(E37/1408)



- Tenement centred 30km east-southeast of Leonora
- Jindalee/Newmont JV drilling in 2003
- Drilling and sampling up to 2015 provided anomalous results
- Directly south of Cavalier Resources' (ASX: CVR)
   Crawford gold project
- Auger soil sampling completed August 2024
- Deeper drilling potential being evaluated

#### Mt Bartle

396km<sup>2</sup>

(E53/2151, E53/2147 and E53/2159)

**Cu** Copper

Zn Zinc

Pb

Lead

- Tenements ~27 km west-northwest of Wiluna.
   Licence applications are currently pending
- Exploration goes back to the late 1960s, mainly centred in and around the historic Wiluna gold mining centre
- Exploration programs targeting Macarthur River,
   Zambian-type copper belt and Roxby Downs styles
   polymetallic mineralisation and Witwatersrand type
   gold deposits
- Some anomalous targets and soil sampling

# **Appendix 2 – Relevant Announcements**

LASX announcement 09 February 2023 - Geophysical Interpretation Identifies 28 Target Areas

ASX announcement 23 March 2023 - Lithium Soil Anomaly Identified at Dundas South Project

ASX announcement 23 January 2023 - Soil Sampling Identifies Lithium-Rubidium Anomalism

ASX announcement 01 May 2023 - Further Lithium Anomalism Identified at Dundas Project

SSX announcement 11 August 2023 - Binding LOI Signed for James Bay Lithium Projects

ASX announcement 30 August 2023 - Multiple Targets Identified at James Bay Lithium Projects

SSX announcement 01 September 2023 - Further Pegmatite Intersections at Dundas

ASX announcement 29 September 2023 - Exploration Update for the Dundas Project

ASX announcement Liontown Resources (ASX: LTR) - Drilling Results Confirm Growth Potential at Buldania

ASX announcement 09 October 2023 - Infill Soil Sampling Complete on Lithium Targets at Dundas

ASX announcement 17 October 2023 - Exploration works begin on Dalmas and Hiver Lithium Projects

ASX announcement 30 October 2023 - Soil sampling confirms more than 100ppm Lithium drill target

<sup>14</sup>ASX announcement 24 January 2024 – Drilling begins on high priority Lithium targets at Dundas
 <sup>15</sup>ASX announcement 09 February 2024 – Aircore drill program complete at Dundas
 <sup>16</sup>ASX announcement 23 February 2024 – Exploration update for Dalmas and Hiver projects
 <sup>17</sup> ASX Announcement 22 April 2024 – Proposed Brazilian Lithium Project Acquisition
 <sup>18</sup> ASX Announcement 13 May 2024 - Strong Lithium Anomalism Continues at Dundas Project
 <sup>19</sup>ASX Announcement 19 June 2024 - Completion of Acquisition of Bengal Mining
 <sup>20</sup>ASX Announcement 14 August 2024 – Lightning Expands Lithium Potential in Brazil
 <sup>21</sup>ASX Announcement 14 August 2024 – Lithium Targets Defined in Brazil

<sup>23</sup>ASX Announcement 02 December 2024 - Soil Assays in Brazil up to 239ppm Lithium
 <sup>24</sup>ASX Announcement 21 November 2024 - Geophysics Targets Identified at Brazilian Lithium Projects
 <sup>25</sup>ASX Announcement 17 December 2024 - Strong Lithium Drill Targets Defined for Q1 2025 in Brazil
 <sup>26</sup>ASX Announcement 17 January 2025 - Spodumene Confirmed & Strong Lithium Soil Results in Brazil
 <sup>27</sup>ASX Announcement 27 June 2025 - Acquisition of Advanced Brownfields Gold and Copper Projects

<sup>22</sup>ASX Announcement 18 November 2024 - Spodumene Discovery Yields LIBS Results up to 4.04% Li<sub>2</sub>O

The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements, and that all material assumptions and technical parameters have not materially changed. The Company also confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcements