



# HIGH IMPACT AUSTRALIAN LITHIUM EXPLORATION AND DEVELOPMENT

NOOSA MINING CONFERENCE

JULY 2024

ASX | LPM



# Important INFORMATION

## Forward Looking Statements

Certain statements contained in this presentation, including information as to the future financial or operating performance of Lithium Plus Minerals Ltd (“Lithium Plus”) and its projects, are forward looking statements. Such forward looking statements:

- include, among other things, statements regarding incomplete and uncertain proposals or targets, production and prices, operating costs and results, capital expenditures, and are or may be based on assumptions and estimates related to future technical, economic, market, political, social and other conditions;
- are necessarily based upon several estimates and assumptions that, while considered reasonable by Lithium Plus, are inherently subject to significant technical, business, economic, competitive, political and social uncertainties and contingencies; and
- involve known and unknown risks and uncertainties that could cause actual events or results to differ materially from estimated or anticipated events or results reflected in such forward-looking statements.

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## Competent Persons Statement

The information in this report that relates to Exploration Results, Mineral Resources or Reserves is based on information compiled by Dr. Bryce Healy, who is a member of the Australian Institute of Mining and Metallurgy. Dr. Healy has sufficient mineral exploration experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity he is undertaking to qualify as a competent person as defined in the 2012 Edition of the “Australasian Code for reporting of Exploration Results, Mineral Resources and Ore Reserves” (JORC Code). Dr. Healy consents to the inclusion in this report of the matters and information discussed, based upon the form and context in which it appears. Lithium Plus confirms that all material assumptions and technical parameters underpinning the estimates in the relevant market announcements continue to apply and have not materially changed.

## Exploration by Other Explorers

This presentation contains information sourced from the reports of Other Explorers. References to the original reports are provided as footnotes where the information is cited in this presentation. Lithium Plus does not vouch for the accuracy of these reports. Lithium Plus has taken the decision to include this information as it is in the public domain and as we assess it to be of relevance to shareholders and investors.

# Lithium PLUS MINERALS

## DEVELOPING THE NORTHERN TERRITORIES NEXT LITHIUM OPERATION



### Lei Prospect **DISCOVERY**

Maiden high-grade lithium Mineral Resource Estimate (MRE) declared

**MAIDEN MRE 4.1 Mt at 1.43% Li<sub>2</sub>O**

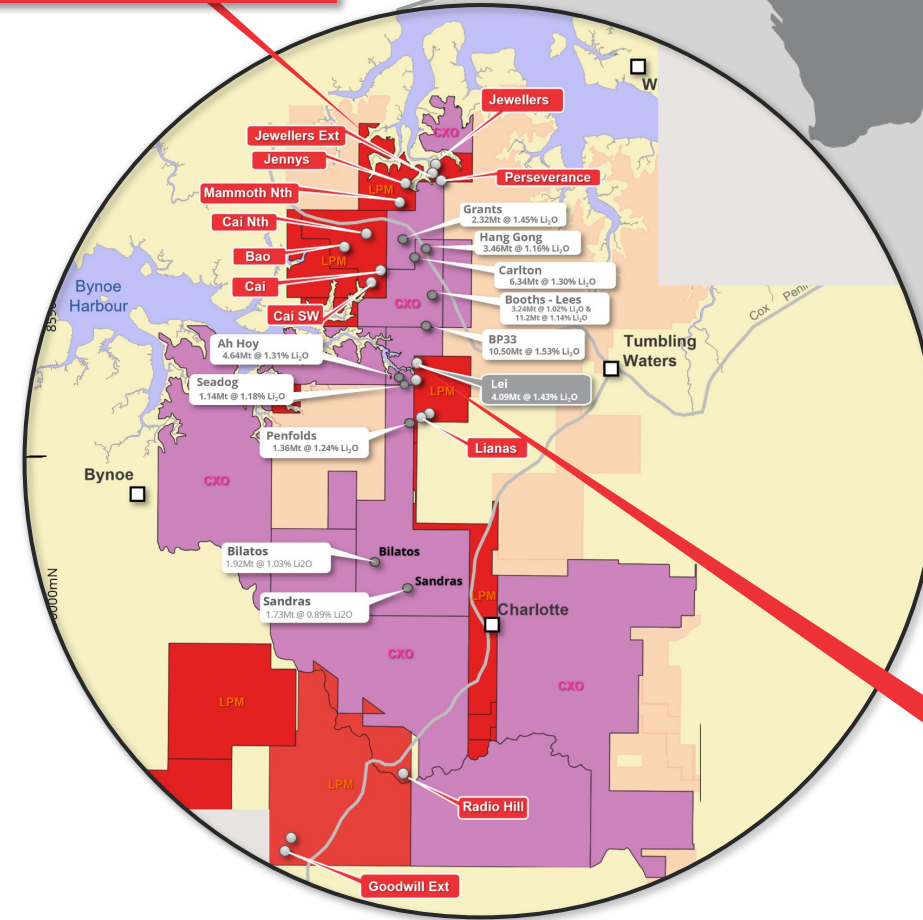


### Kings Landing **AREA**

More than six drill-ready outcropping pegmatite targets

Refer to Lithium Plus Minerals ASX release dated 19 December 2023, "Maiden High-Grade Lithium Resource declared at Lei", Lithium Plus Minerals 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 those releases continues to apply and has not materially changed.

**KINGS  
LANDING  
AREA**



**LEI  
PROSPECT  
DISCOVERY**

## Bynoe **PROJECT**

DARWIN





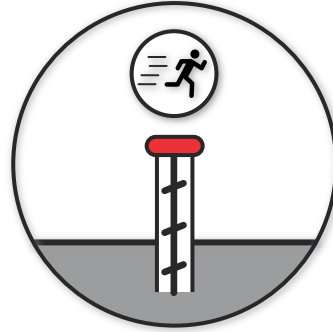
# Investment HIGHLIGHTS



**Premier**  
PROJECT  
LOCATION



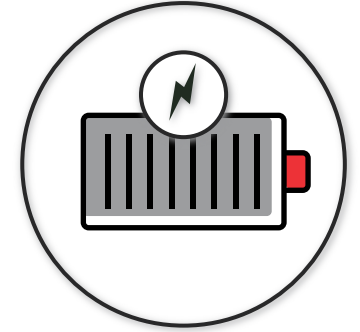
**Outstanding**  
GEOLOGICAL  
PROSPECTIVITY



**Aggressive**  
DRILLING  
PROGRAM



**Proven**  
BOARD AND  
MANAGEMENT



**Leveraged**  
TO THE BATTERY  
TRANSITION



# Corporate OVERVIEW

HIGHLY ATTRACTIVE ENTRY PRICE FOR EXPOSURE TO DELINEATED LITHIUM RESOURCE TONNES

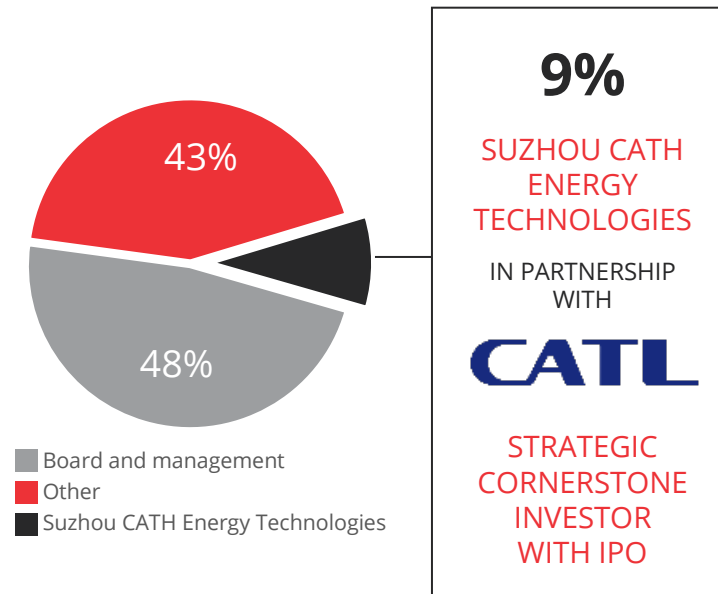
## Capital structure

Share price <sup>1</sup>	A\$0.145
Total shares on issue <sup>2</sup>	132.34M
Market capitalisation	A\$19.19M
Cash <sup>3</sup>	A\$7.33M
Debt <sup>3</sup>	A\$0.00M
Enterprise value	A\$11.86M

## ASX:LPM

1. At 12 July 2024
2. At 26 April 2024
3. At 31 March 2024
4. Refer ASX Announcement 7 September 2023, "Exceptional 127m mineralised pegmatite intersection at Lei" and 4 October 2023 ASX Announcement, "94m of high-grade mineralisation confirmed at Lei"
5. See Appendix slide "BYLDD019 hole summary" for further information
6. Refer 6 November 2023 ASX Announcement, "A\$8M Placement to enhance exploration at Bynoe Lithium Project"
7. Refer to ASX announcement 19 December 2023, "Maiden High-Grade Lithium Resource declared at Lei"
8. Refer to ASX announcement 5 June 2024, "MOU executed with Canmax for spodumene offtake from Lei Project"
9. Refer to ASX announcement 17 June 2024, "Mining Lease Application lodged for Lei Lithium Project"

## Register composition



## Share price



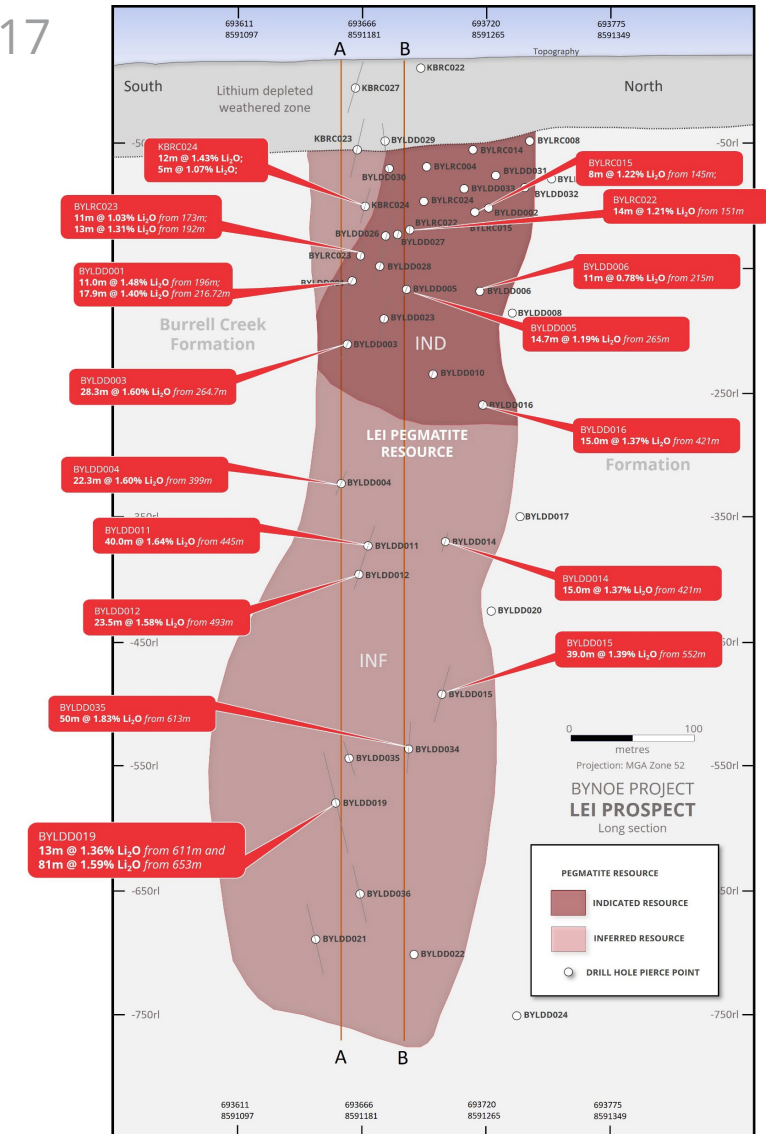


# Lei Deposit **DISCOVERY**

SIGNIFICANT INITIAL LITHIUM MINERALISATION IDENTIFIED IN 2017

- **Drilling at Lei delivered extensional success at depth and included the discovery of a second lithium mineralised pegmatite occurrence<sup>1,2</sup>**
- Quality of the Lei Discovery highlighted by a series of **exceptional intersections<sup>3,4</sup>** :
  - **81m @ 1.59% Li<sub>2</sub>O** from 653m (BYLDD019) including:
    - **41m @ 1.94% Li<sub>2</sub>O** from 683m.
  - **50m @ 1.83% Li<sub>2</sub>O** from 613m (BYLDD034)
  - **39m @ 1.55% Li<sub>2</sub>O** from 204m (BYLDD023)
  - **33m @ 1.65% Li<sub>2</sub>O** from 642m (BYLDD035)
  - **31m @ 1.71% Li<sub>2</sub>O** from 396m (BYLDD037)

1. Refer 18 October 2022 ASX Announcement "High grade lithium intercepts returned at Lei Prospect"  
2. Refer 1 February 2023 ASX Announcement "Second shallow pegmatite discovered at Lei major pegmatite continues at depth"  
3. Refer 4 October 2023 ASX Announcement, "94m of high-grade mineralisation confirmed at Lei"  
4. Refer 19 December 2023 ASX Announcement, "Maiden High-Grade Lithium Resource Declared At Lei", and Appendix slide "Exceptional intersections summary" for further information  
5. Refer 27 March 2024 ASX announcement "Exploration and Advancement Update"





# Lei Deposit **DISCOVERY**

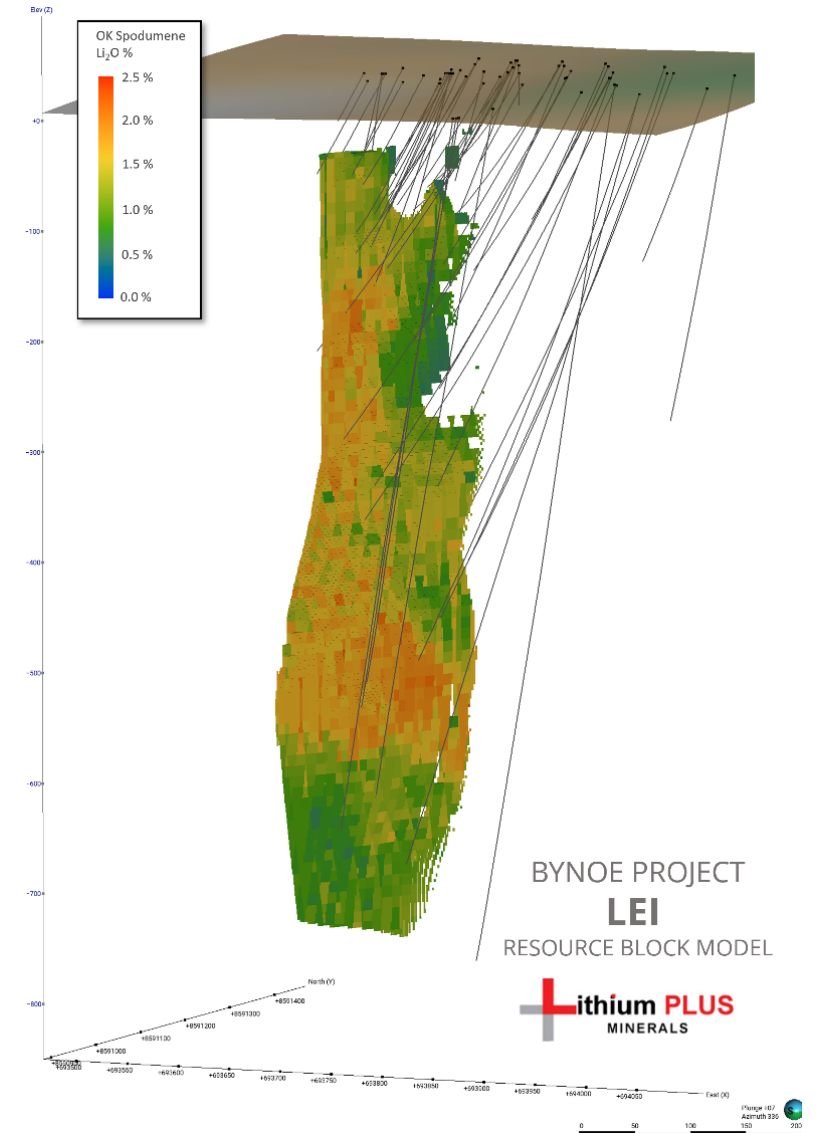
MAIDEN MINERAL RESOURCE DECLARED<sup>1</sup>

Resource Category	Million Tonnes	Li <sub>2</sub> O (%)	Contained Li <sub>2</sub> O (Kt)
Indicated	0.42	1.22	5
Inferred	3.67	1.45	53
<b>Total</b>	<b>4.09</b>	<b>1.43</b>	<b>58</b>

At 0.5% Li<sub>2</sub>O cutoff

- **Primary Lei pegmatite contributed solely to current MRE**, with the open zone beneath the extent of current drilling to remain a potential target for future work.
- **Secondary Lei pegmatite not currently included in Resource modelling** and is expected to be followed up in future potential drilling programs.
- **Both Lei mineralised pegmatites remain open at depth, providing further MRE growth potential**

1. Refer 19 December 2023 ASX announcement "Maiden High-Grade Lithium Resource declared at Lei"  
2. Refer 31 October 2023 ASX announcement "Lei Discovery samples dispatched for metallurgical testing"  
3. Refer 27 March 2024 ASX announcement "Exploration and Advancement Update"





# Lei Deposit **RAPIDLY ADVANCING**

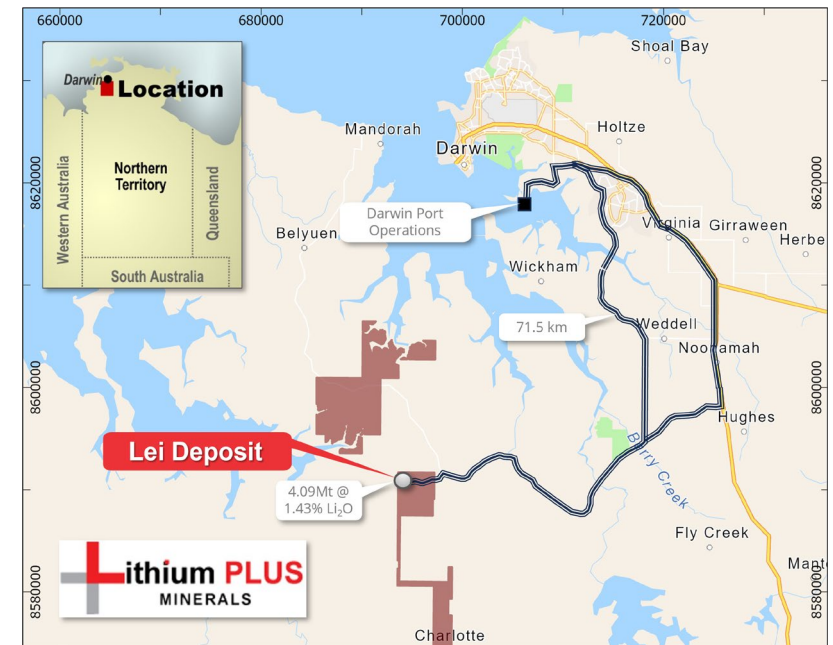
MOU EXECUTED WITH CANMAX FOR POTENTIAL OFFTAKE AND MINE FINANCE

- **Economic assessment** of Direct Shipping Ore (**DSO**) advancement option from Lei Deposit is underway:
  - Potential to provide low upfront capital development option
  - Low environmental impact (no on-site tailings, waste rock for backfill)
  - Simple approach for permitting and mine construction
- **Environmental baseline studies** for a future environmental referral now in advanced stages of completion.
- **Metallurgical results** from Yibin Tianyi Lithium Industry Co., a JV between **Canmax** and **CATL**, indicates a **saleable Li<sub>2</sub>O concentrate**.
- **MoU** executed with Canmax
  - spodumene offtake with exposure to the margins from processing to lithium hydroxide / carbonate
  - potential non dilutive mine finance
- **Application for a Mining Lease lodged** for a future mine development.
- **Mine planning, design, scheduling underway.**



**“** We are excited to have achieved this first step in a partnership with Canmax to advance our Lei Project towards production. An initial DSO operating pathway has the potential to generate early cash flows in support of continued high-impact exploration and development. This enables pursuit of our goal of becoming a long-term supplier of spodumene concentrate to the expanding lithium battery market. **”**

**- LPM Executive Chairman, Dr Bin Guo**



1. Refer 31 October 2023 ASX announcement “Lei Discovery samples dispatched for metallurgical testing”  
2. Refer 27 March 2024 ASX announcement “Exploration and Advancement Update”  
3. Refer 5 June 2024 ASX announcement “MOU executed with Canmax for spodumene offtake from Lei”  
4. Refer 17 June ASX announcement “Mining Lease Application lodged for Lei Lithium Deposit”

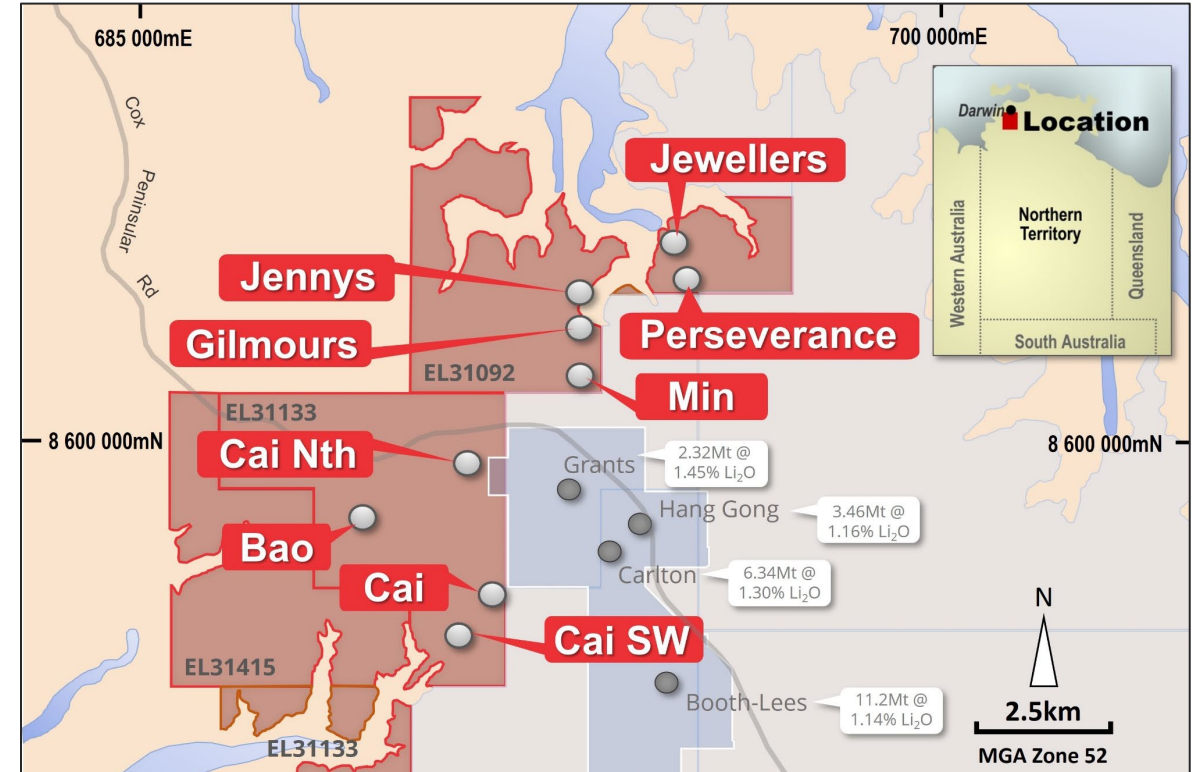




# Kings Landing EXPLORATION UPSIDE

MORE THAN SIX DRILL-READY, OUTCROPPING PEGMATITE TARGETS READY TO BE TESTED

- Surface mapping has identified **several large weathered pegmatites** (exposed in historic costeaning):
  - 500m long at **Jewellers**
  - >100m long at **Perseverance**
  - 250m long at **Jennys**
- Four large, high-priority pegmatite systems to be targeted; **Perseverance, Jewellers, Jewellers Extended and Jennys**
- 2023 drilling campaign at Perseverance returned high grade mineralisation in hole BYPRC012:
  - **19m @ 1.58% Li<sub>2</sub>O** from 148m, including
    - **4m @ 2.62% Li<sub>2</sub>O.**

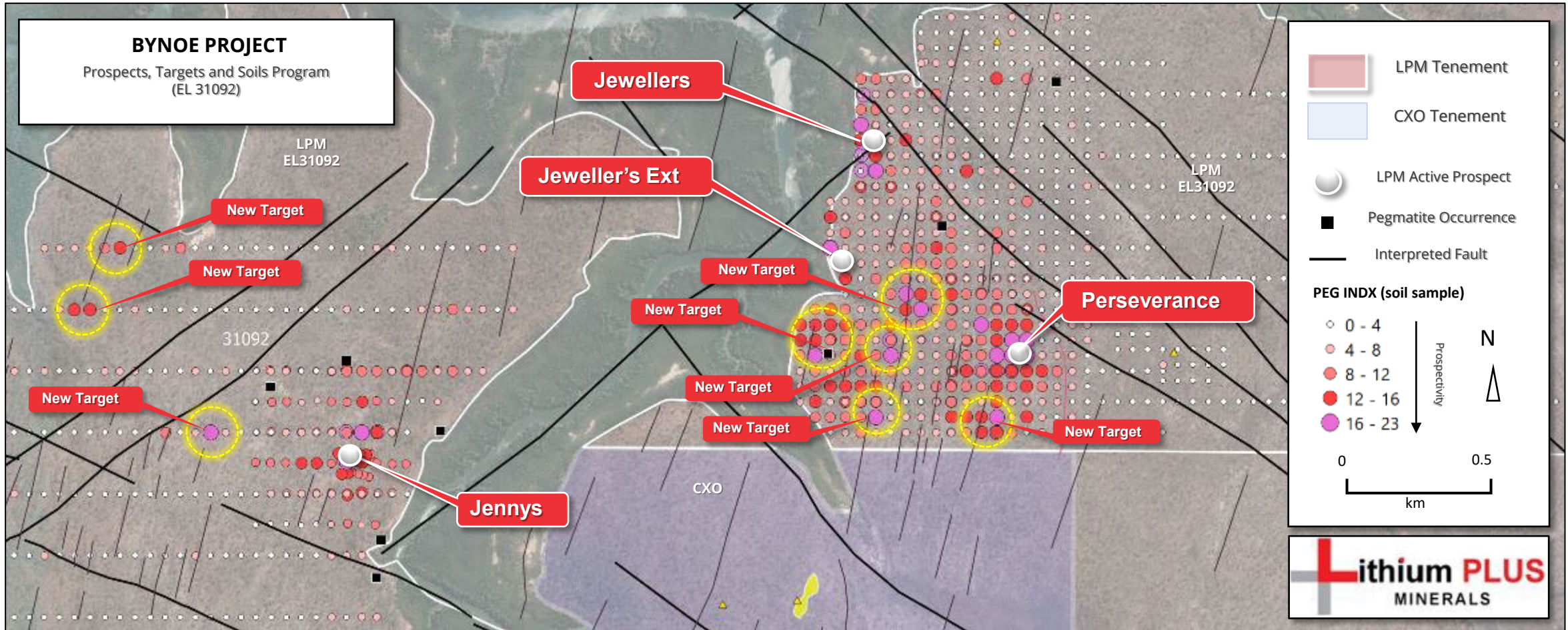


1. Refer 14 September 2023 ASX Announcement "Drilling success at Perseverance Prospect Kings Landing Area".



# Kings Landing EXPLORATION UPSIDE

NUMEROUS HIGH-CONVICTION NEW TARGETS DEFINED



# Fully funded 2024 EXPLORATION PROGRAM

ADVANCEMENT OF LEI IN PARALLEL WITH EXPLORATION FOR ADDITIONAL 4 -10M TONNE  $\text{Li}_2\text{O}$  DEPOSITS

## 2024 EXPLORATION DRILLING AT BYNOE

### RAB DRILLING

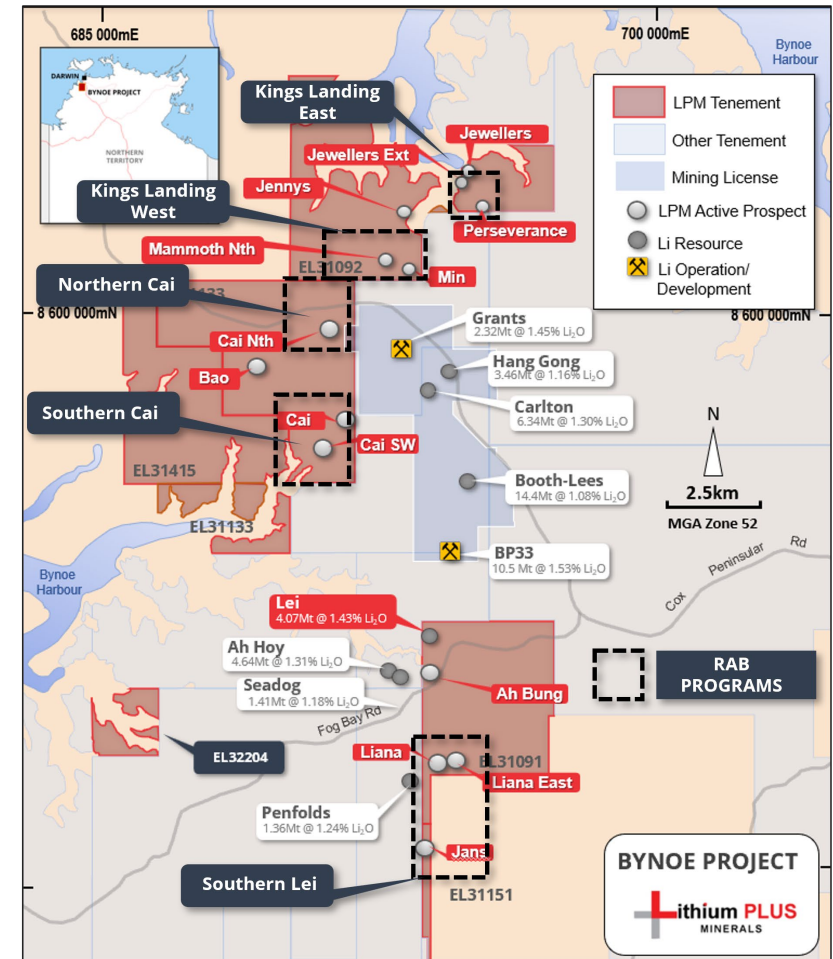
- Initial **3,000-meter program**, initially focused on untested pegmatite occurrences within the Kings Landing prospect area
- Results from **RAB drilling to enable better definition of targets** where soil anomalies, and surface float indicate buried pegmatites

### RC DRILLING

- Provisioning for an initial **3,000-meter scout/reconnaissance campaign to evaluate the unweathered portion of selected pegmatites** (defined through the RAB drilling program) for spodumene mineralisation

**PROGRAM TO TARGET COST-EFFECTIVE DELIVERY OF MULTIPLE NEW LITHIUM DISCOVERIES**

1. Target timeframes are subject to change and may be impacted by wet season or other unforeseen circumstances

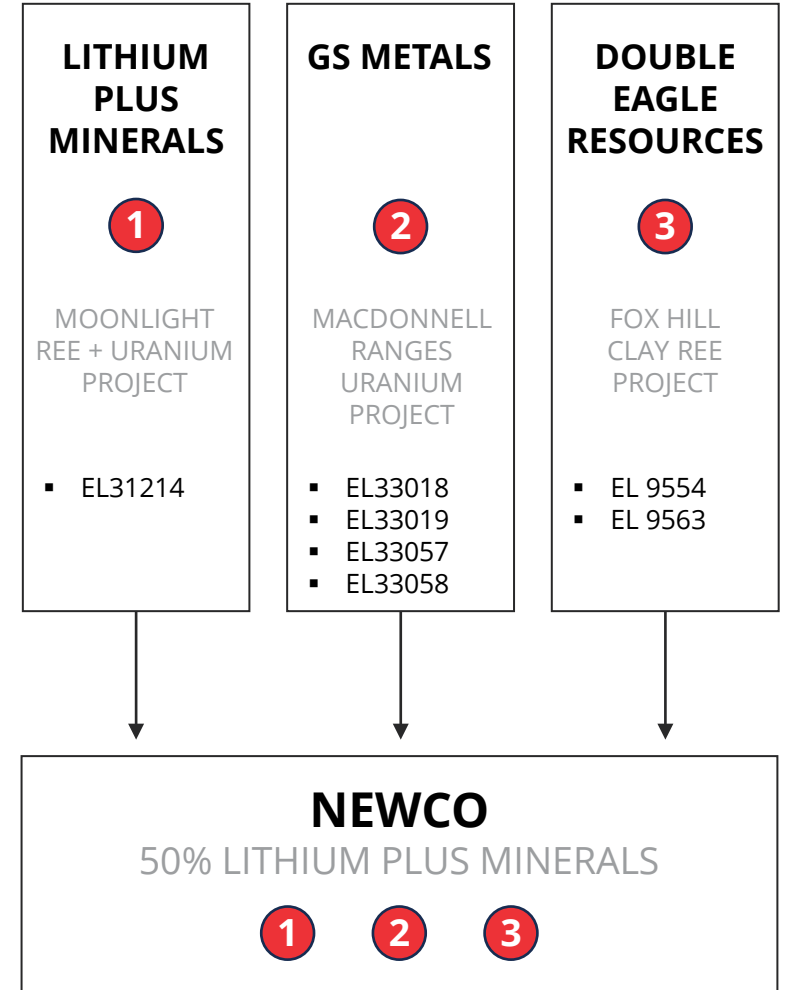
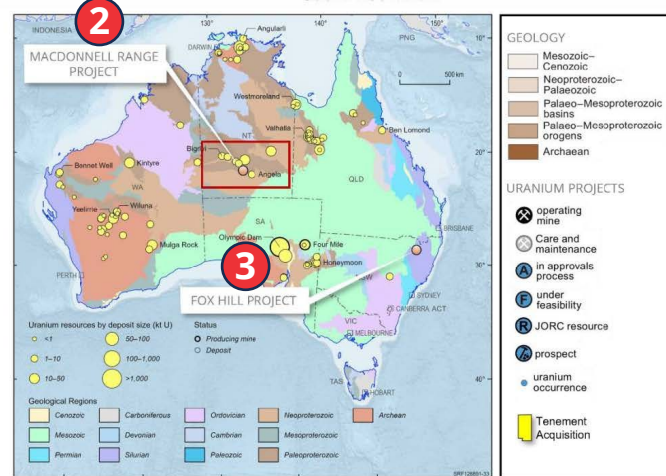
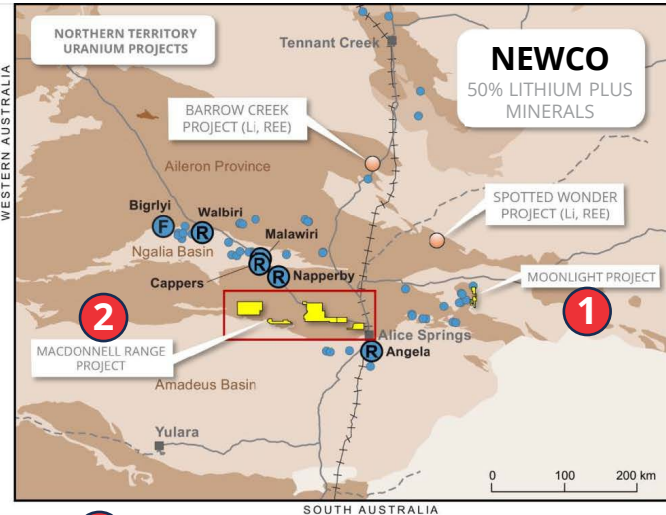




# PORTFOLIO ACQUISITION

URANIUM AND RARE EARTH PROJECTS CONSOLIDATED IN THE NORTHERN TERRITORY

- Acquisition of two complimentary uranium and rare earth element (REE) projects consolidated with existing **Moonlight REE + Uranium Project** into newly formed entity, NewCo.
- Includes the **MacDonnell Ranges Uranium Project** covering 1,800m<sup>2</sup> and located approx. 120km west-northwest of Alice Springs in the NT along the Tanami Highway.
- Also includes **Fox Hill REE Project in NSW** covering 1,035km<sup>2</sup> located approx. 20km north of Inverell, NSW.
- LPM retains a 50% interest in NewCo.**
- Evaluation of **subsidiary-level third-party funding options for NewCo** underway.



1. Refer 12 June 2024 ASX Announcement "Acquisition of complementary Australian uranium and REE Projects".

# Investment HIGHLIGHTS

- 1+** **Premier** project location  
NEXT TO CORE LITHIUM'S FINNISS MINE AND 45KM FROM DARWIN
- 2+** **Outstanding** geological prospectivity  
EXCEPTIONALLY LONG MINERALISED PEGMATITE INTERSECTION
- 3+** **Aggressive** drilling program  
HIGH-GRADE MAIDEN RESOURCE DECLARED AT LEI
- 4+** **Proven** board and management  
STRONGLY FOCUSED ON EXPLORATION AND RESOURCE GROWTH
- 5+** **Leveraged** to the battery transition  
SET TO CAPITALISE ON THE LONG-TERM LITHIUM DEMAND DYNAMIC



# Appendix

## SUPPLEMENTARY INFORMATION



# Proven board and **MANAGEMENT**

WITH A STRONG FOCUS ON EXPLORATION AND RESOURCE DEFINITION



**Dr Bin Guo**

**EXECUTIVE CHAIRMAN**

- Founder and Executive Chairman of Lithium Plus
- PhD in Geophysics with more than 20 years experience in mining and finance
- Wide range of technical and commercial knowledge gained at SRK Consulting, CITIC Securities and Mining One Consultants
- Previously Non-Executive Director of North American Lithium and member of AusIMM, AIG and ASEG



**Mr Simon Kidston**

**NON EXECUTIVE DIRECTOR**

- Finance professional with more than 25 years' global experience with Macquarie Bank, HSBC and Helmsec Global Capital Limited
- Founding Director of renewable energy company Genex Power
- Previously involved in the establishment of ASX listed mining companies, Endocoal Ltd, Carabella Resources Ltd and Estrella Resources Ltd
- Current Non-Executive Director of Genex Power Ltd and QC Copper and Gold



**Dr Jason Berton**

**NON EXECUTIVE DIRECTOR**

- Structural geologist with over 20 years mining and exploration experience at Homestake, Barrick, BHP and SRK Consulting
- Current Managing Director of PolarX Limited, and former Managing Director of ASX-listed Estrella Resources
- PhD in Geology and member of AusIMM



**Mr George Su**

**NON-EXECUTIVE DIRECTOR**

- Over 35 years' business experience in the Asia-Pacific region
- Current CEO and Managing Director of Richlink Australia
- Former country head of Australian operations at CITIC Securities and independent director of Macquarie Bank's China property fund
- Current Independent Director of YPB Group Ltd, an ASX listed technology company



**Dr Bryce Healy**

**EXPLORATION MANAGER**

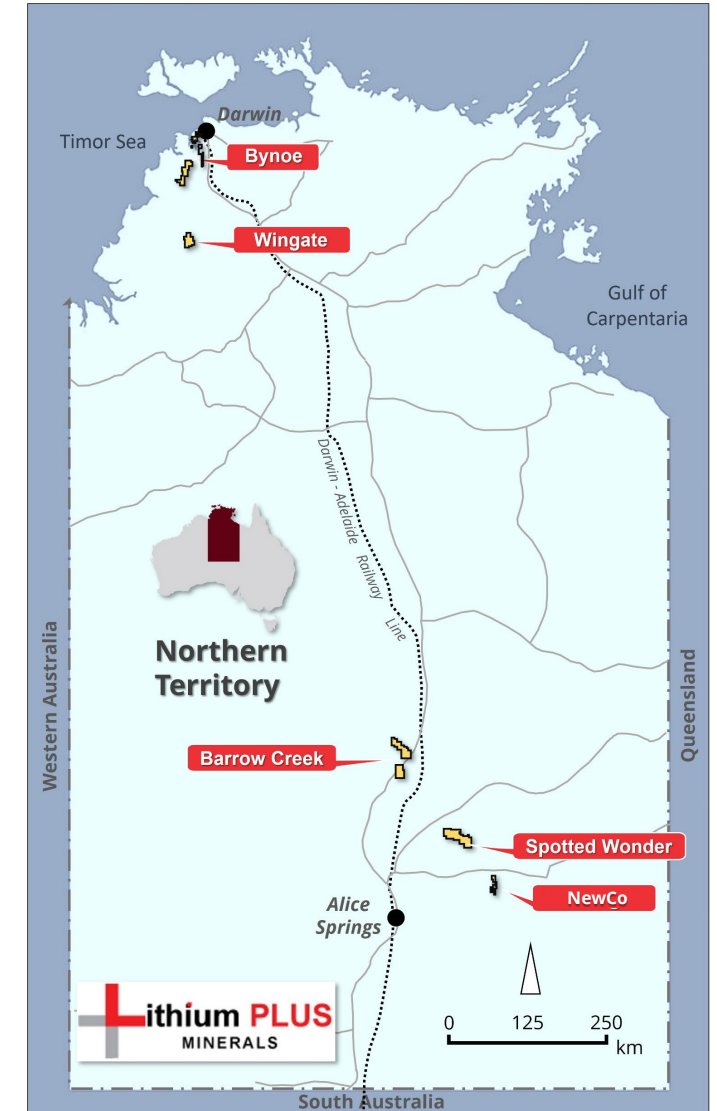
- Experienced Exploration Geologist with a PhD in Geology specialising in granite petrology
- A member of the AIG with over 20 years industry experience in Exploration Management and Technical Director roles, including 13 years of consulting experience with SRK Consulting.
- Currently a director of exploration consultancy Noventum Group and COO of Revolver Resources Ltd

# Premier project LOCATION

NEXT TO CORE'S FINNISS MINE DEVELOPMENT AND 45KM FROM DARWIN

- **Australia is a prolific mining nation**, built on a history of safe, stable mineral extraction
- **Project area strategically positioned 45km from Darwin Port** which is Australia's nearest port to Asia and key gateway for Australasian trade
- Proximity to **Darwin** provides significant **infrastructure availability**, with labour and supply route benefits
- Project is located in a **similar geological setting to Core Lithium (ASX: CXO)'s Finnis mine: CXO** recent upgraded Mineral Resource Estimate
  - **48.2Mt @ 1.26% Li<sub>2</sub>O<sup>1</sup>**

1. Refer to Core Lithium ASX release dated 11 April 2024. LPM is not aware of any new information or data that materially affects the information included in these ASX releases, LPM confirms that, to the best of its knowledge, all material assumptions and technical parameters underpinning the estimates in this presentation continue to apply and have not materially changed.

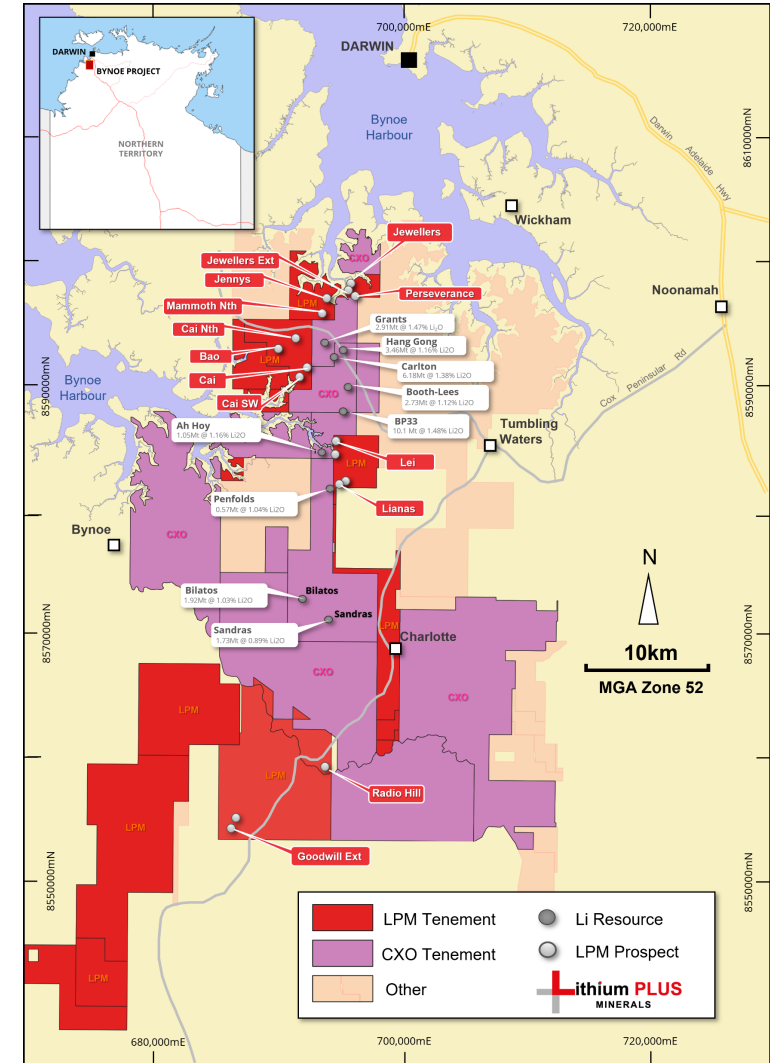




# Outstanding geological PROSPECTIVITY

## HIGH IMPACT AUSTRALIAN LITHIUM EXPLORATION OPTIONALITY

- Flagship BYNOE **PROJECT** adjacent to **Core's deposits** which benefited from a recent upgraded Mineral Resource Estimate
  - **48.2Mt @ 1.26% Li<sub>2</sub>O<sup>1</sup>**
- Total of **19 granted exploration licences** (and additional 3 exploration licences under application), across more than 1,575km<sup>2</sup> of tenure
- Very small proportion of total tenement area field sampled providing **significant opportunity** for follow up soil sampling and potential **lithium bearing pegmatite discoveries**
- **Multiple walk up, drill ready targets** identified providing optionality for future drilling programs



1. Refer to Core Lithium ASX release dated 11 April 2024. LPM is not aware of any new information or data that materially affects the information included in these ASX releases, LPM confirms that, to the best of its knowledge, all material assumptions and technical parameters underpinning the estimates in this presentation continue to apply and have not materially changed.

# Strategic CORNERSTONE INVESTMENT

FROM LEADING BATTERY DEVELOPER AND MANUFACTURER

- Suzhou CATH Energy Technologies (**CATH**) invested at IPO with a **9% equity interest**
- CATH is jointly owned by **Contemporary Amperex Technology Co. Ltd (CATL)** and **Mr Pei Zhenhua**
- CATL is the **world's largest electric vehicle (EV) battery manufacturer**
- Mr Pei is a significant investor in **Canmax** (SZSE: 300390)
- **Canmax** has a production capacity of **165,000MT battery-grade lithium hydroxide/carbonate** per annum from its chemical plants in China.

# CATL

A global leader of new energy innovative technologies, committed to providing premier solutions and services for new energy applications worldwide

TOP  
**EV BATTERY  
MANUFACTURER**  
GLOBALLY<sup>1</sup>

HOLDS 32.5% OF A  
**US\$27 BILLION**  
BATTERY MARKET<sup>1</sup>

GLOBALLY  
**2.35 MILLION**  
EVs IN OPERATION  
WITH CATL BATTERIES

**LITHIUM ION  
BATTERY  
SPECIALISTS**

1. By consumption volume. Adapted from data from SNE Research

# EXCEPTIONAL INTERSECTIONS SUMMARY

SERIES OF HIGH-GRADE MINERALISED INTERSECTIONS CONFIRMED AT LEI<sup>1,2</sup>

Hole ID	Collar co-ordinates GDA94 MGA Zone 52			Survey data			Pegmatite intercepts			
	Easting	Northing	RL (m)	Azi (°)	Dip (°)	Depth (m)	From	To	Interval (m)	Li <sub>2</sub> O grade
BYLDD019	693863	8590907	24	319	-63	756.5	611.0	624.0	13.0	1.36%
							<i>and</i>	653.0	733.0	81.0
BYLDD023	693723	8591217	17	269	-69	252.7	203.5	244.80	41.3	1.55%
BYLDD034	693960	8591096	24	292	-66	680.14	613.00	663.00	50.0	1.83%
BYLDD035	693865	8590909	19	317	-62	699.8	640.11	675.3	35.2	1.65%
BYLD037	693843	8591197	22	278	64	441.0	396.00	427.00	31.00	1.71%

1. Refer 4 October 2023 ASX announcement, "94m of high-grade mineralisation confirmed at Lei".

2. Refer 19 December 2023 ASX announcement, "Maiden High-Grade Lithium Resource declared at Lei"

# Contact

## DETAILS

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