

31 October 2023

## LEI DISCOVERY SAMPLES DISPATCHED FOR METALLURGICAL TESTING

Lithium Plus Minerals Limited (ASX: LPM) (**Lithium Plus** or the **Company**) is pleased to announce a ninety-kilogram composite sample (**Sample**) from the Lei Discovery has been dispatched to the laboratory of Yibin Tianyi Lithium Industry Co. (**Yibin Tianyi**) to undergo metallurgical testing.

### Highlights

- Sample collected from existing Lei Discovery diamond drill hole BYLDD004 core.
- Metallurgical testing to be undertaken by leading downstream lithium producer Yibin Tianyi.
- Yibin Tianyi is a joint venture between China's largest EV battery manufacturer CATL and Shenzhen listed company, Canmax Technologies Co., Ltd (Canmax).
- Preliminary results are expected to be available Q1 2024.
- Remain on-track for declaration of a maiden high-grade Mineral Resource estimate Q4 2023.

### Executive Chairman, Dr Bin Guo, commented:

*"This metallurgical test work program is an important step in the advancement of the Bynoe Lithium Project towards future production. Our primary goal is to confirm the properties of spodumene from our Lei Discovery which will allow for the design of a mineral processing flowsheet to produce a marketable spodumene concentrate for potential customers.*

*In the meantime, drilling continues with a current focus on Lei, before we turn our attention once again to Perseverance. We remain on track for the release of our maiden Mineral Resource Estimate Q4 2023."*



Figure 1: Collection of existing diamond core samples taken from BYLDD004, Lei Discovery

### **About Yibin Tianyi**

Yibin Tianyi is a joint venture between CATL (SZSE: 300750) and Canmax (SZSE: 300390). It possesses significant commercial downstream processing expertise and capabilities and has a stated commitment of becoming the most competitive lithium material enterprise in the world in technology and cost. Canmax engages in the manufacture and sale of lithium battery materials and

other products. It has a production capacity of 165,000 tonne battery-grade lithium hydroxide/carbonate per annum from its chemical plants in China.

## Lei Discovery

The Lei Discovery is situated on the Cox Peninsula, just 45 km south of Darwin in Northern Territory (refer Figure 2). Successful diamond drilling completed up to Q3 2023 confirmed the extension in depth and along strike of both known Lei pegmatites (refer Figure 3). Continuous infill and extensional drilling is underway, with the release of a maiden JORC compliant Mineral Resource estimate on track for Q4 2023. Notable lithium mineralisation intersected during 2022/2023 drilling included:

- **28.7m @ 1.43% Li<sub>2</sub>O** from 196.0m (two main intervals over 38.5m) (BYLDD001)
- **24.0m @ 1.18% Li<sub>2</sub>O** from 173.0m (two main intervals over 32.0m) (BYLRC023)
- **28.3m @ 1.60% Li<sub>2</sub>O** from 264.7m (BYLDD003)
- **22.3m @ 1.60% Li<sub>2</sub>O** from 398.8m (BYLDD004) (source of Sample)
- **40.0m @ 1.64% Li<sub>2</sub>O** from 445.0m (BYLDD011)
- **23.5m @ 1.58% Li<sub>2</sub>O** from 493.0m (BYLDD0012)
- **39.0m @ 1.39% Li<sub>2</sub>O** from 552.0m (BYLDD015)
- **81m @ 1.59% Li<sub>2</sub>O** from 653m (BYLDD019), including
  - **41m @ 1.94% Li<sub>2</sub>O** from 683m

## Next Steps

- Complete infill and extension drilling ahead of maiden Mineral Resource estimation at Lei.
- RC/DD drilling to follow up and define the extent of the high-grade zone at Perseverance.
- Follow up drilling at the Jenny's pegmatite.
- Continue environmental baseline study and monitoring.

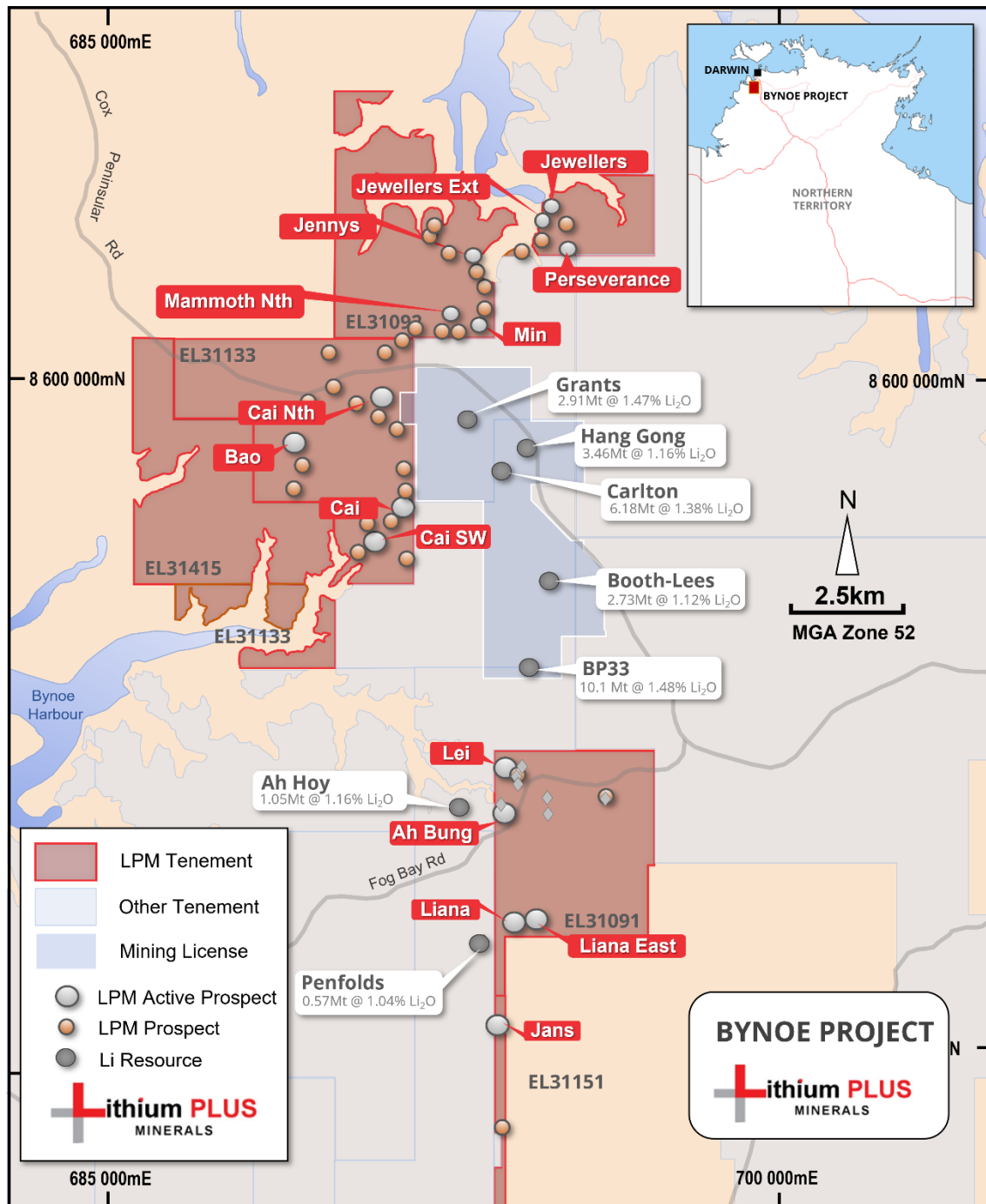


Figure 2: Bynoe Lithium Project location map

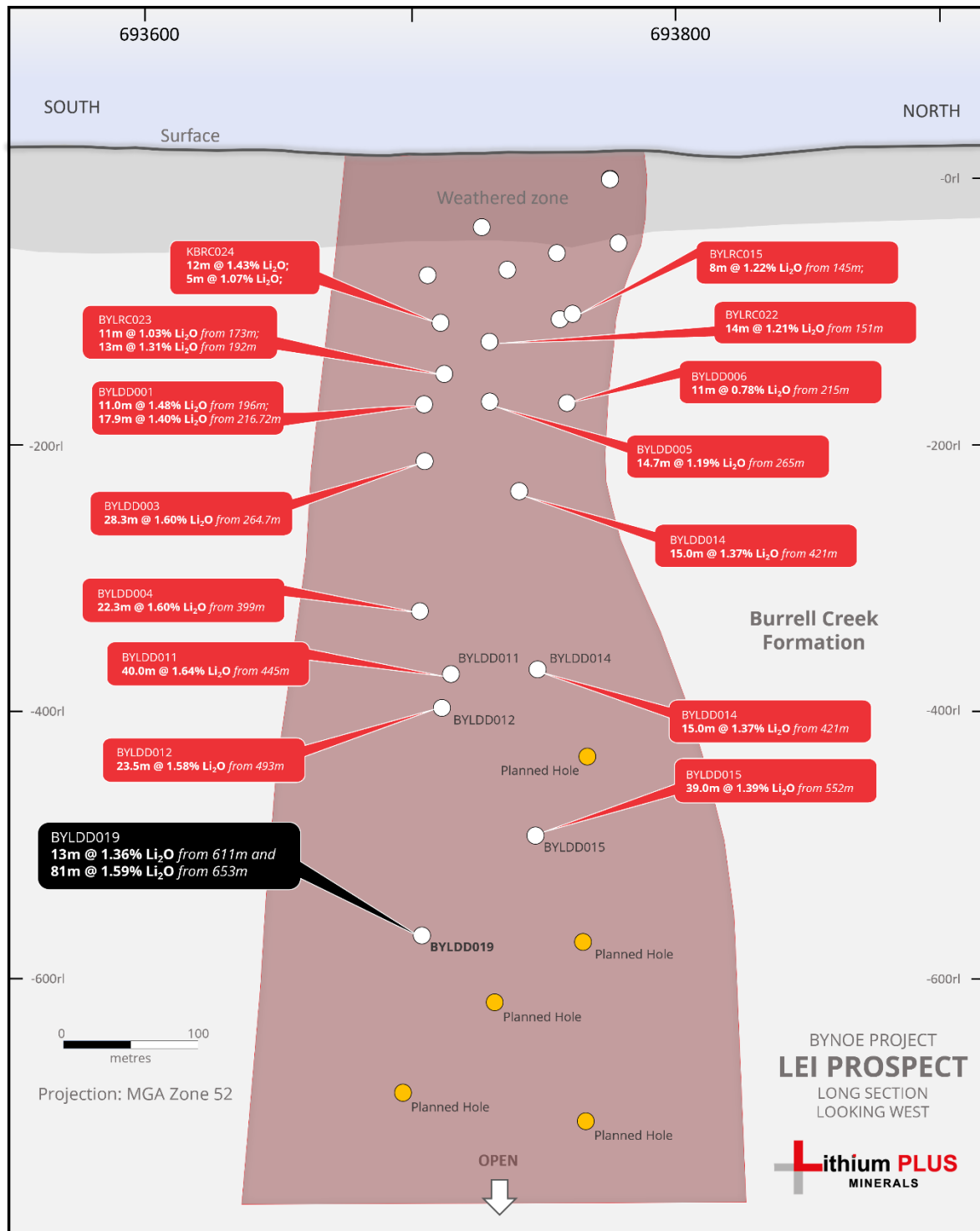


Figure 3: Long section showing the diamond drilling assay results at the Lei Prospect

### Competent Person Statement

The information in this release that relates to Exploration Results for the Bynoe Lithium Project is based on, and fairly represents, information and supporting documentation prepared by Dr Bryce Healy, Exploration Manager of Lithium Plus Minerals Ltd. Dr Healy is a Member of the Australasian Institute of Mining and Metallurgy and he has sufficient experience which is relevant to the style of mineralisation and type of deposits under consideration and to the activity which has been undertaken 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". Dr Healy consents to the inclusion in this release of the matters based on the information in the form and context in which they appear.

This announcement has been authorised for release by the Board of Lithium Plus.

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## About Lithium Plus Minerals

Lithium Plus Minerals Limited (ASX: LPM) is an Australian Lithium exploration company with 22 tenements in the Northern Territory grouped into the following projects:

### Bynoe Lithium Project

Situated on the Cox Peninsula, 45 km south of Darwin, on the northern end of the Litchfield Pegmatite Belt, with 11 granted tenements covering 297 km<sup>2</sup>. Geologically centred around the Bynoe Pegmatite Field, the tenements share a border with Core Lithium's Finiss mine development. Significant lithium mineralisation was discovered at Lei in 2017 within the north-northeast trending spodumene bearing pegmatites. Current drill ready targets are Lei, SW Cai, Cai and Perseverance.

### Wingate Lithium Project

Located 150km south of Darwin, this single tenement (EL31132) covers the Wingate Mountains Pegmatite District, the southern part of the Litchfield Pegmatite Belt. It contains the known presence of pegmatites with little exploration and minor historical production of tin. Historical gold workings (Fletcher's Gully) are present.

### Arunta Lithium Projects

#### *Barrow Creek*

Located in the Northern Arunta pegmatite province, 300km north of Alice Springs. Historic tin and tantalum production and the presence of spodumene in nearby Anningie Pegmatite field suggest lithium potential.

#### *Spotted Wonder*

Located approx. 200km north-north-east of Alice Springs with proven lithium mineralisation, with amblygonite present in the Delmore Pegmatite.

#### *Moonlight*

Located within the Harts Range Pegmatite Field, approx. 200km north-east of Alice Springs. Presence of pegmatites containing elbaite, indicative of lithium enrichment.

