

## ASX ANNOUNCEMENT

Sabre Resources Ltd, ASX code: **SBR**

12 July 2023



# Sabre Commences Major Lithium Exploration Program in One of Western Australia's Most Prospective Lithium Provinces

**- Sabre's Cave Hill Project hosts more than 100km strike of prospective lithium corridors near the Mt Marion Lithium Mine and Kangaroo Hills discovery**

- Sabre has commenced a major soil sampling and field mapping program targeting lithium-bearing pegmatites at its extensive Cave Hill Project south of Coolgardie in the Eastern Goldfields Province of Western Australia (see Cave Hill Project location map, Figure 1).
- The Nepean South, Victoria Rocks South and Cave Hill tenements, which comprise the Cave Hill Project, cover a more than 100km strike-length of previously un-recognised greenstone lithologies which are highly prospective for lithium.
- Cave Hill lies directly south of the Kangaroo Hills lithium discovery of Future Battery Metals Ltd (ASX:FBM), which has produced lithium (spodumene) intersections of up to 29m @ 1.36% Li<sub>2</sub>O<sup>1</sup>.
- Significant lithium resources are also being developed on the parallel Widgiemooltha belt (Widgiemooltha Lithium Corridor - Figure 1) to the east of Cave Hill, including the Mt Marion Project of Mineral Resources (ASX:MIN) which has a Mineral Resource of 71.3Mt @ 1.37% Li<sub>2</sub>O<sup>2</sup>.
- Interpretation of regional aeromagnetics imagery at Cave Hill has generated 10 lithium-pegmatite target areas where interpreted greenstones are intersected by fault zones and potentially lithium bearing granites (Figure 1).
- Initial field work has confirmed that the key target areas lie under soil cover amenable to soil sampling. Up to 2,800 soil samples will be collected on 400m x 400m grids over the entire 100km strike-length of prospective corridors.

**Sabre Resources CEO, Jon Dugdale, commented:**

*"Sabre has established a vast 700km<sup>2</sup> tenement footprint in the highly prospective Eastern Goldfields Region of WA, which includes a 100km strike-length corridor of previously untested lithium targets that are effectively surrounded by lithium discoveries.*

*"We have commenced a major exploration program over this corridor with the aim of identifying new lithium-spodumene discoveries in the middle of one of the hottest lithium areas in Australia.*

*"We will start by utilising well-established soil sampling and analysis techniques to test the soil-covered areas for lithium and other pathfinders.*

*"The soil sampling program will be followed by extensive field work and ground geophysics to zero in on priority drilling targets for lithium bearing pegmatites."*

Sabre Resources Ltd (“Sabre” or “the Company”) is pleased to announce that the Company has commenced a major gridded soil sampling program targeting new lithium-bearing pegmatite discoveries within its extensive Cave Hill Project south of Coolgardie in Western Australia (see location, Figure 1, below).

Sabre has identified significant lithium potential within the Cave Hill Project, comprising five granted tenements and one application over a 700km<sup>2</sup> area, in one of the most highly prospective lithium regions in Australia. Immediately to the north of Cave Hill is the Kangaroo Hills lithium discovery of Future Battery Metals (ASX:FBM), which has produced lithium-spodumene intersections of up to 29m @ 1.36% Li<sub>2</sub>O<sup>1</sup>.

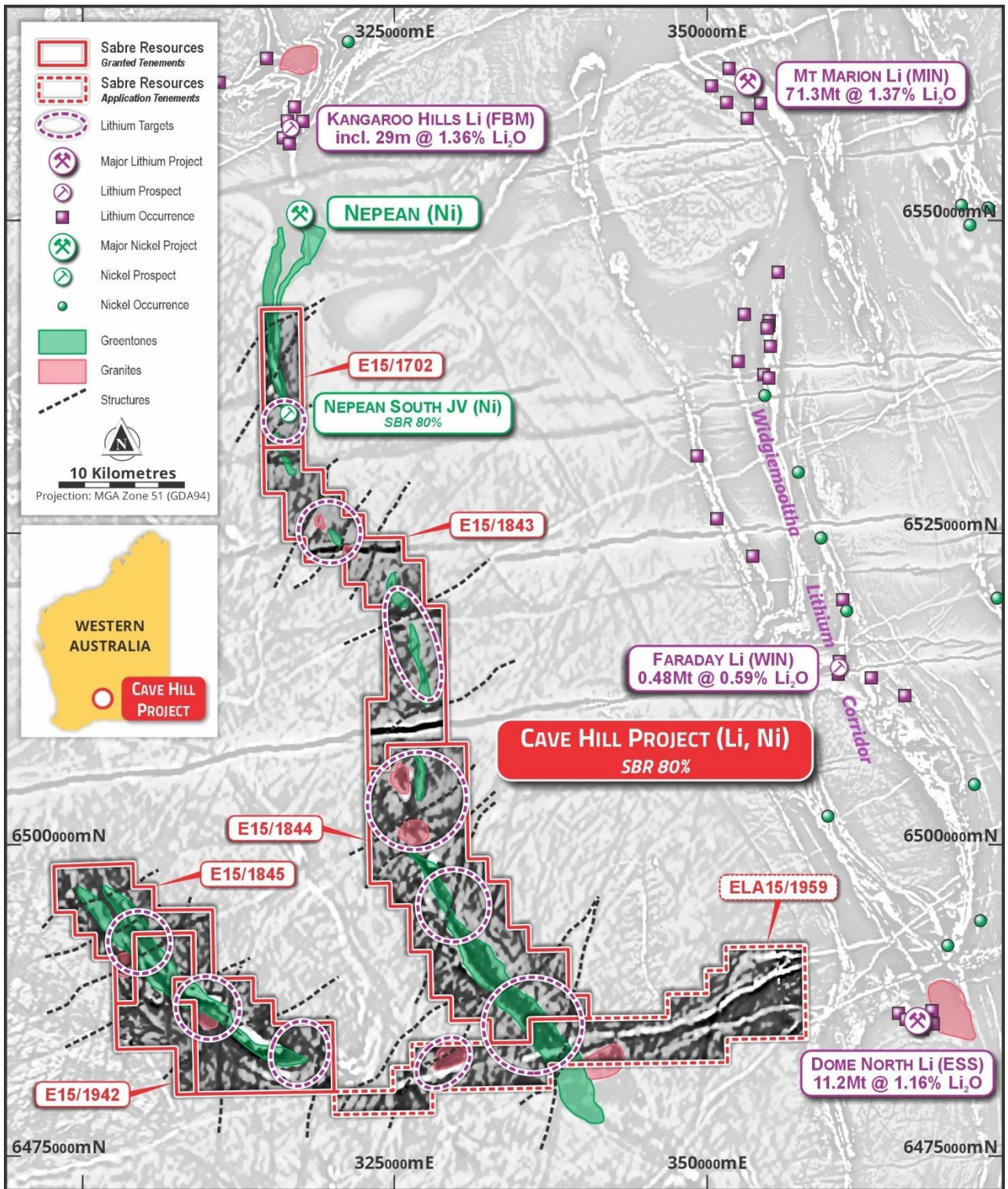


Figure 1: Sabre’s Cave Hill Project tenements on aeromagnetics with other significant lithium projects in the region.

Interpretation of regional aeromagnetics imagery indicates previously un-recognised greenstone lithologies are present throughout the Cave Hill tenements. These greenstone belts extend south of the Nepean Nickel Mine which produced **1.1 million tonnes grading 3.0% Ni<sup>3</sup>** between 1970 and 1987 from a massive sulphide body that is truncated by a lithium bearing pegmatite at depth<sup>4</sup>.

The Nepean South and Cave Hill Project tenements include more than a 100km strike-length of interpreted greenstone lithologies (mafic and ultramafic rocks), structures and intrusive bodies of similar character to those exposed within the Widgiemooltha belt immediately to the east (Figure 1).

Several significant lithium in spodumene resources have been identified within the Widgiemooltha Lithium Corridor, including the Mt Marion Project of Mineral Resources Ltd (ASX:MIN) which has a Mineral Resource of **71.3Mt @ 1.37% Li<sub>2</sub>O<sup>2</sup>**, and the Dome North Lithium Project of Essential Metals (ASX:ESS) which has a Mineral Resource of **11.2Mt @ 1.16% Li<sub>2</sub>O<sup>5</sup>** (see Figure 1).

Ten key target areas have been identified within the Cave Hill Project tenements, associated with interpreted fault structures cutting metasedimentary rocks and greenstone lithologies, with intrusive granites that may be associated with pegmatites (Figure 1).

Field reconnaissance suggests that the areas of interpreted greenstone and intrusives, which are prospective for lithium-bearing pegmatites, are amenable to soil sampling.

Other companies operating in the region (including Lightning Minerals Ltd, ASX: L1M<sup>6</sup>) are utilising soil sampling on a broad grid to zero in on anomalous lithium areas that could represent lithium-bearing pegmatites buried by soil cover. Sabre has designed a large scale 400m x 400m regional soil sampling program along interpreted greenstone/intrusive corridors that have been identified through interpretation of aeromagnetics imagery (Figure 1). Up to 2,800 samples will be collected and analysed for the “lithium-suite” of elements to detect anomalous soil signatures above lithium bearing pegmatites.

In parallel with the soil sampling, field mapping will be carried out to locate and sample outcropping or sub-cropping pegmatites that may be present. Anomalous areas will be infilled and detailed gravity programs used to focus on buried pegmatite occurrences (gravity lows in higher density greenstones) for drill targeting.

The Company looks forward to updating the market with results from these exploration programs.

## **About Sabre Resources**

Sabre Resources is an ASX-listed company (ASX:SBR) focused on the exploration and development of a highly prospective portfolio of nickel sulphide, lithium and gold assets in Western Australia, and uranium and base metal prospects in the Northern Territory.

The Company's flagship project is the **Sherlock Bay (nickel-copper-cobalt) Project** – a significant, undeveloped, nickel sulphide deposit in Western Australia's highly prospective Pilbara Region (Figure 1). Sabre is also earning an 80% interest in the **Sherlock Pool<sup>7</sup>** tenement E47/4345 and holds three exclusive EL applications, covering a 20km striking structural and intrusive corridor at Sherlock Bay.

**The Sherlock Bay Project lies only 50km to the east and within the same structural and stratigraphic corridor as the Andover Project, where Azure Minerals Ltd (ASX:AZS) has significant nickel sulphide resources and recently intersected 105m of lithium bearing pegmatite grading 1.26% Li<sub>2</sub>O<sup>8</sup>.**

The Company has now earned an 80% interest in the **Nepean South** tenement, E15/1702, from Metals Australia Ltd (ASX:MLS). The tenement covers a >10km corridor of prospective ultramafic rocks south of the Nepean Nickel Mine (past production **1.1Mt at 3.0% Ni<sup>3</sup>**) near Coolgardie in WA. A recently completed RC

drilling program intersected high nickel grades with elevated copper (e.g., **8m @ 1.01% Ni, 0.02% Cu from 28m incl. 3m @ 1.26% Ni** in NSRC0012)<sup>9</sup>.

Sabre also has an 80% interest in four granted exploration licences at **Cave Hill**<sup>10</sup>, covering a >100km strike length of interpreted extensions to the Nepean and Queen Victoria Rocks nickel sulphide belts, adjoining the Nepean South tenement. **These tenements also have significant lithium potential, being located south within the same belt as the Kangaroo Hills lithium discovery of Future Battery Metals Ltd (ASX:FBM)**<sup>1</sup>.

Sabre's 100% owned **Ninghan Gold Project**<sup>11</sup> in Western Australia's southern Murchison district is located less than 20km along strike from the Mt Gibson gold mine, which has a ~3Moz gold resource endowment<sup>12</sup>. Previous RAB and aircore drilling has defined two strongly anomalous zones of gold mineralisation at Ninghan where follow-up drilling is planned.

In the Northern Territory, Sabre holds an 80% interest in the **Ngalia Uranium-Vanadium Project**<sup>10</sup>, which comprises two granted exploration licences, **Dingo** EL32829 and **Lake Lewis** EL32864, in the highly prospective Ngalia Basin near existing uranium resource projects.

## References

<sup>1</sup> Future Battery Metals Ltd (ASX:FBM), 20 March 2023: LCT Pegmatite Discovery Confirmed at Kangaroo Hills

<sup>2</sup> Mineral Resources Ltd (ASX:MIN), 31 October, 2018. Mineral Resource Update for the Mt Marion Project

<sup>3</sup> Future Battery Metals Ltd (ASX:FBM), 11<sup>th</sup> November 2020: Auroch to Acquire High-Grade Nepean Nickel Project.

<sup>4</sup> Future Battery Metals Ltd (ASX:FBM), 14 October 2021: Pegmatites at Nepean to be Assessed for Lithium Potential.

<sup>5</sup> Essential Metals Ltd (ASX:ESS), 8 June 2023. Drilling Underway at Pioneer Dome.

<sup>6</sup> Lightning Minerals Ltd (ASX: L1M), 01 May 2023: Further Lithium Anomalism Identified at Dundas Project

<sup>7</sup> Sabre Resources Ltd, 13<sup>th</sup> December 2021. Agreements to Acquire Three Nickel Sulphide Projects.

<sup>8</sup> Azure Minerals Ltd (ASX:AZS), 13<sup>th</sup> June 2023. Exceptional Lithium Drill Intersections from Andover.

<sup>9</sup> Sabre Resources Ltd, 21<sup>st</sup> September 2022. High Nickel Grades and Sulphides in Drilling at Nepean South.

<sup>10</sup> Sabre Resources Ltd, 7<sup>th</sup> February 2022. Sabres Acquires Key Nickel Sulphide and Uranium Projects.

<sup>11</sup> Sabre Resources Ltd, 24<sup>th</sup> September 2021. Sabre to Complete Acquisition of Ninghan Gold Project.

<sup>12</sup> Capricorn Metals Ltd announcement, 28<sup>th</sup> July 2021. Capricorn Acquires 2.1 Million Oz Mt Gibson Project.

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

\*\*\*ENDS\*\*\*

**For background, please refer to the Company's website or contact:**

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## **Cautionary Statement regarding Forward-Looking information**

*This document contains forward-looking statements concerning Sabre Resources Ltd. Forward-looking statements are not statements of historical fact and actual events and results may differ materially from those described in the forward-looking statements as a result of a variety of risks, uncertainties and other factors. Forward-looking statements are inherently subject to business, economic, competitive, political and social uncertainties and contingencies. Many factors could cause the Company's actual results to differ materially from those expressed or implied in any forward-looking information provided by the Company, or on behalf of, the Company. Such factors include, among other things, risks relating to additional funding requirements, metal prices, exploration, development and operating risks, competition, production risks, regulatory restrictions, including environmental regulation and liability and potential title disputes.*

*Forward looking statements in this document are based on the company's beliefs, opinions and estimates of Sabre Resources Ltd as of the dates the forward-looking statements are made, and no obligation is assumed to update forward looking statements if these beliefs, opinions and estimates should change or to reflect other future developments.*

## **Competent Person Statements**

*The information in this report that relates to exploration results, metallurgy and mining reports and Mineral Resource Estimates has been reviewed, compiled and fairly represented by Mr Jonathon Dugdale. Mr Dugdale is the Chief Executive Officer of Sabre Resources Ltd and a Fellow of the Australian Institute of Mining and Metallurgy ('FAusIMM'). Mr Dugdale has sufficient experience, including over 34 years' experience in exploration, resource evaluation, mine geology, development studies and finance, relevant to the style of mineralisation and type of deposits under consideration to qualify as a Competent Person as defined in the 2012 Edition of the Joint Ore Reserves Committee ('JORC') Australasian Code for Reporting of Exploration Results, Minerals Resources and Ore Reserves. Mr Dugdale consents to the inclusion in this report of the matters based on this information in the form and context in which it appears.*

## **ASX Listing Rules Compliance**

*In preparing this announcement the Company has relied on the announcements previously made by the Company as listed under "References". The Company confirms that it is not aware of any new information or data that materially affects those announcements previously made, or that would materially affect the Company from relying on those announcements for the purpose of this announcement.*