

## LAKE JOHNSTON SOUTH LITHIUM PROJECT REVIEW CONFIRMS HIGH PROSPECTIVITY

White Cliff Minerals Limited (**White Cliff** or the **Company**) is delighted to update shareholders on its 100% owned Lake Johnston South Lithium project.

A review of the Lake Johnston South project (“Lake Johnston” or “the Project”), a licence area of >1,870 square km (km<sup>2</sup>) west of Norseman in Western Australia, confirms the licences cover a large portion of the Lake Johnston greenstone belt in the new shallow high-grade Lithium province. The project is adjacent to TG Metals recent spodumene discoveries and is approximately 20km from the Charger Metals and Rio Tinto Exploration joint venture project.

### Highlights

- Lake Johnston review indicates the Project is **highly prospective for spodumene bearing pegmatites**.
- **The licences cover the southern half of the Lake Johnston structural corridor, where the Company has a dominant landholding.**
- White Cliff Lake Johnston Project is immediately adjacent to pegged ground to be explored by Rio Tinto Exploration and Charger Metals JV and significant lithium discoveries by TG Metals.
- Government open file coarse magnetic data indicates the continuation of the Lake Johnston greenstone belt within White Cliff’s licences.
- Further sampling and mapping will be conducted in the new high-grade Lithium province.
- The tenements were recently granted, and a Program of Work (PoW) for drilling will be submitted.

**Commenting on the exploration results, White Cliff Chairman Roderick McIlree (FAusIMM) said:**

*“The Company has been working through a top-to-bottom strategic review of the existing portfolio while we deliver on our acquisition of large-scale high-grade copper projects in Canada.*

*I am delighted to inform existing and incoming shareholders that while we continue to deliver on our stated copper objectives in Canada, we have uncovered a stunning lithium prospect in our portfolio in what is now proven as a new shallow high grade lithium province. Given the several large discoveries by the adjacent TG Metals (TG6.ASX), and Rio Tinto Exploration and Charger Metals (CHR.ASX) commercially significant transactions, we have enormous confidence in the potential value of the Project.*

*We look forward to getting our exploration underway during December, intending to drill subsequent targets in early 2024.”.*

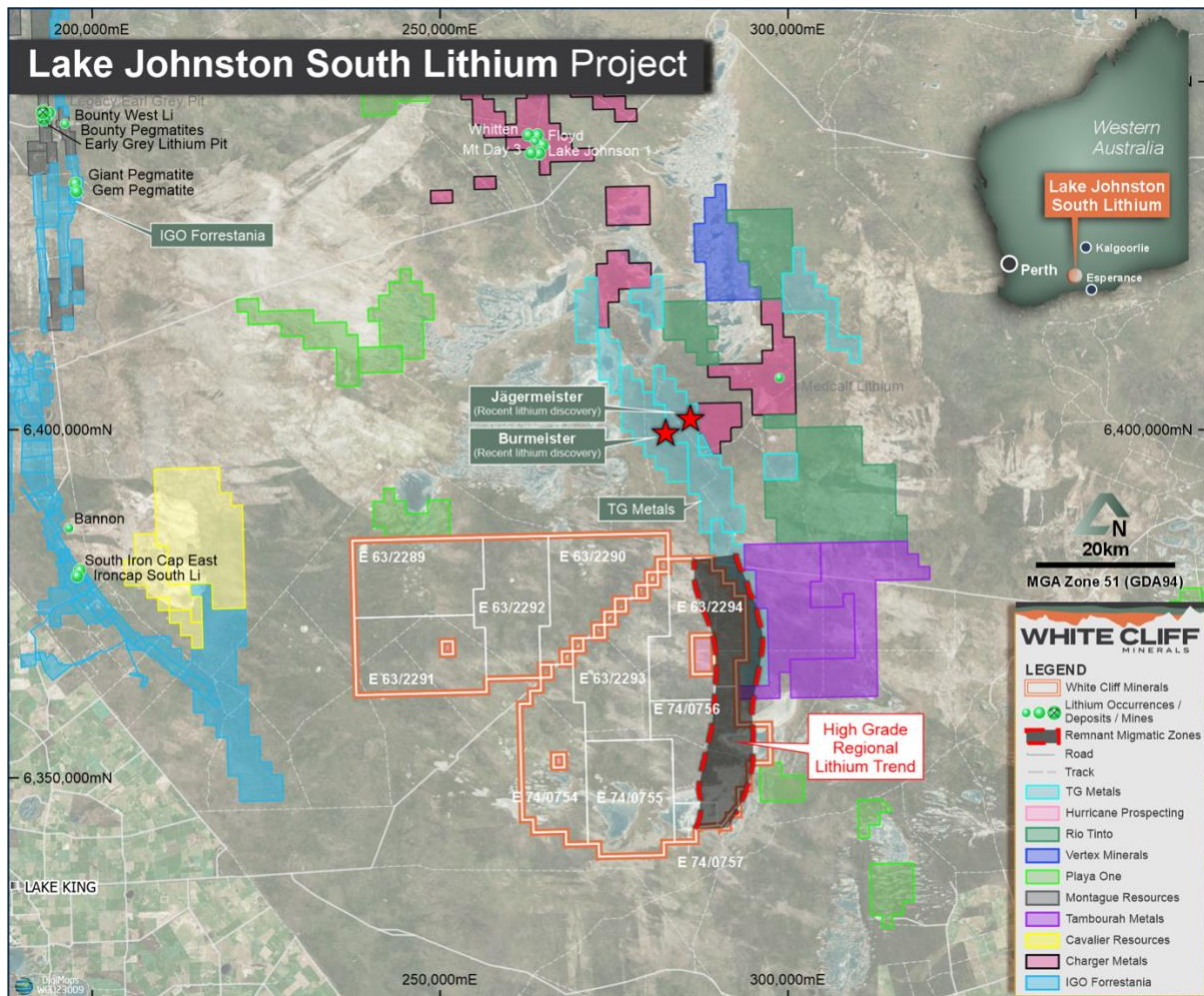


Figure 1: Location Map showing White Cliff licences and recent lithium discoveries

## ABOUT THE PROJECT

The Lake Johnston Project (refer ASX News Release dated 24 October 2022) consists of 13 exploration licenses totalling 1,874.2km<sup>2</sup>. It is immediately adjacent to and along strike from recent large-scale discoveries of spodumene bearing pegmatites by Charger Metals and TG Metals. Based on high-resolution magnetics, these greenstone and magnetic trends continue for more than 30 linear kilometres into the project area. The broader region is located within the Phillips River Goldfield in the Southern Cross Domain of the Youanmi Terrane in the southern Yilgarn Craton.

The area is underlain by granites, gneisses and migmatite and hosts greenstone belts that daylight through the quaternary transported cover, all of which can be found at the Project.

## Historical Exploration

Whilst numerous old, cleared grid exploration tracks exist in the project area, the only reported exploration within the area has been by Magnetic Resources NL and Uranex NL.

In 2006-2008, Magnetic Resources NL completed a shallow vertical air core drilling program of 34 holes for 1217m on several magnetic anomalies within the region. Samples were analysed for Au, Pt, As, Co, Cu, Ni, Cr, Zn, Mn and U in 4 metre downhole composites. A selected suite of 7 bottom hole samples was also analysed for Ba, Ca, Ce, Co, Cr, Cu, Dy, Er, Fe, K, La, Mg, Mn, Nb, Ni, P, Rb, Sr, Ti, Y and Zn. The targets were discrete magnetic anomalies within the basement.

Wamex records also report 11 vertical air core drill holes for 444m within the area of interest for roll front uranium by Uranex NL 2007-2011. These holes were analysed for Au, Cu, Pb, Zn, U, Th, Ag, As, Mo and Ti.

Immediately south of the area of interest, HD Mining and Investment in 2014-15 targeted Au in the area, completing a single diamond drill hole with only 6 assays for U being undertaken.

**The Company is not aware of any lithium exploration undertaken on the Project area by previous operators opening up the potential for a similar greenfield discovery along this spodumene bearing corridor that traverses the Company's licence holding.**

### **Proposed exploration and strategic discussion**

Whilst the Company will continue to engage with interested parties regarding possible collaboration, investment or other transaction type on the Project it will look to undertake follow up exploration work as a matter of course and will update the market accordingly.



Figure 2 REE sampling programme at Lake Johnston

### **Additional Company Assets Under Review.**

Importantly, the Company owns another 11 projects also under review, covering more than 10,000 km<sup>2</sup>:

1. **Ashton Hills**, 198km<sup>2</sup> E52/4062, E52/4030. 190km north of Meekatharra, W.A.
2. **Munbinia**, 570km<sup>2</sup> E59/2714, E59/2715, & E59/2742. 35km southwest of Mt Magnet, W.A.
3. **Barbalin**, 130km<sup>2</sup> E70/614. 60km north of Merredin, W.A.

4. **Jerramungup**, 251km<sup>2</sup> E70/6154 150km northeast of Albany, W.A.
5. **Snake Well**, 151km<sup>2</sup> E52/4093. 130km northwest of Meekatharra, W.A.
6. **Wanna Lakes**, 223km<sup>2</sup> E69/3954. 345km north of the town of Eucla, W.A.
7. **Hines Hill**, 576km<sup>2</sup> E70/6136 & E70/5875. 200km east of Perth, W.A.
8. **Preston River**, 146km<sup>2</sup> (E70/5871. 28km north of the Greenbushes lithium mine
9. **Bentley**, 419 km<sup>2</sup> E69/3983 & E69/4033, 45KM North of Warburton, W.A.,
10. **Diemals**, 3,000km<sup>2</sup> E77/2880 to E77/2885, E77/2932 & E59/2708) 185km north of Southern Cross, W.A.
11. **Rat Hill, 223km<sup>2</sup> E46/1412** (E46/1412) within the Pilbara region of Western Australia, located ~60km east-south-east of the town of Nullagine.

*This announcement has been authorised for release by the Board of White Cliff Minerals Limited.*

**For further information, please contact:**

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**Competent Persons Statement**

The information in this report that relates to exploration results, mineral resources or ore reserves is based on information compiled by Mr Allan Younger, who is a Member of the Australasian Institute of Mining and Metallurgy. Mr. Younger is an employee of the company. Mr. Younger has sufficient experience which is relevant to the style of mineralisation and type of deposits under consideration and to the activity that he is undertaking to qualify as a Competent Person as defined in the 2012 edition of the 'Australian Code for Reporting Exploration Results, Mineral Resources and Ore Reserves' (the JORC Code). Mr. Younger consents to the inclusion of this information in the form and context in which it appears in this report.