

7 November 2022

## ASX ANNOUNCEMENT

# Lithium exploration update – initial Lake Dundas drilling complete

### Highlights

- **First phase of lithium brine and bedrock assessment complete at Lake Dundas Lithium Project in Western Australia**
- **Drilling has been effective in evaluating the potential lithium brine and bedrock mineralisation**
  - **Twenty-seven aircore holes completed for 673 metres**
  - **Bedrock intersections show possible bedrock host lithologies for pegmatites**
- **Twenty-two water samples collected to assess and confirm lithium brine concentrations**
- **Program scaled back due to effectiveness of exploration**
- **WAMEX Report details up to 54ppm Li in brines, comparable to other brine producers globally\***
- **Drilling program was completed ahead of schedule and well below budget**

Woomera Mining Limited (**ASX: WML**) ("**Woomera**", "**the Company**") is pleased to provide an update on exploration activities underway at its Lake Dundas Lithium Project in the Southern Yilgarn Craton, Western Australia.

The Lake Dundas Lithium Project (refer Figure 3 for location) drilling program, part of the Company's phased, methodical and cost effective approach to assessing its WA lithium project, has been completed. An initial 27 aircore holes for 673 metres were completed.

As Woomera has stated previously, Lake Dundas is believed to be enriched in lithium minerals based on historical shallow auger soil sampling results of up to 54ppm Li and comparative enrichments in lithium-bearing salt lakes around the world. Adding to the project's prospectivity is its the proximity to the Bald Hill lithium deposit and the Mt Dean lithium occurrences south of the Norseman township.

The Company considers there is potential for Lake Dundas to act as a trap site and concentrate lithium minerals within the flat-lying lacustrine lake sediments. Lake Dundas is comparable to many of the world's largest lithium brine operations in terms of mineral concentration, as demonstrated in Figure 2 below (Lake Dundas is represented by the large blue cross).

\*[www.ga.gov.au/corporate\\_data/76454/Rec2013\\_039.pdf](http://www.ga.gov.au/corporate_data/76454/Rec2013_039.pdf), A Review of Australian Salt Lakes and Assessment of their Potential for Strategic Resources

Woomera originally designed a drilling program comprising of 94 aircore holes for approximately 5,000 metres to assess the brine and evaluate potential bedrock lithium sources and/or anomalism.

As the program advanced, the exploration team found that obtaining representative water samples was relatively straightforward and the volume of water encountered was adequate to initially assess without having to complete the entire program.

Furthermore, the drilling was originally designed with 50-metre spacing between holes. As the program advanced, only every second planned hole was drilled so the spacing between each hole was 100 metres.

The rationale for scaling back the program was firstly, it was apparent the Company was able to collect adequate water samples to assess the brine potential with wider spaced drilling. Mapping of bedrock lithologies across the drilling area has also been completed, with lithologies encountered being intermediate volcanics and possible meta-mafics within larger, regional felsic intrusives.

Ultimately, the decision was taken to amend the program to ensure that unnecessary activity wasn't undertaken and to allow for results to dictate the path forward.



**Figure 1:** Drill rig finishing the last hole of the programme the Lake Dundas Lithium Project, Western Australia.

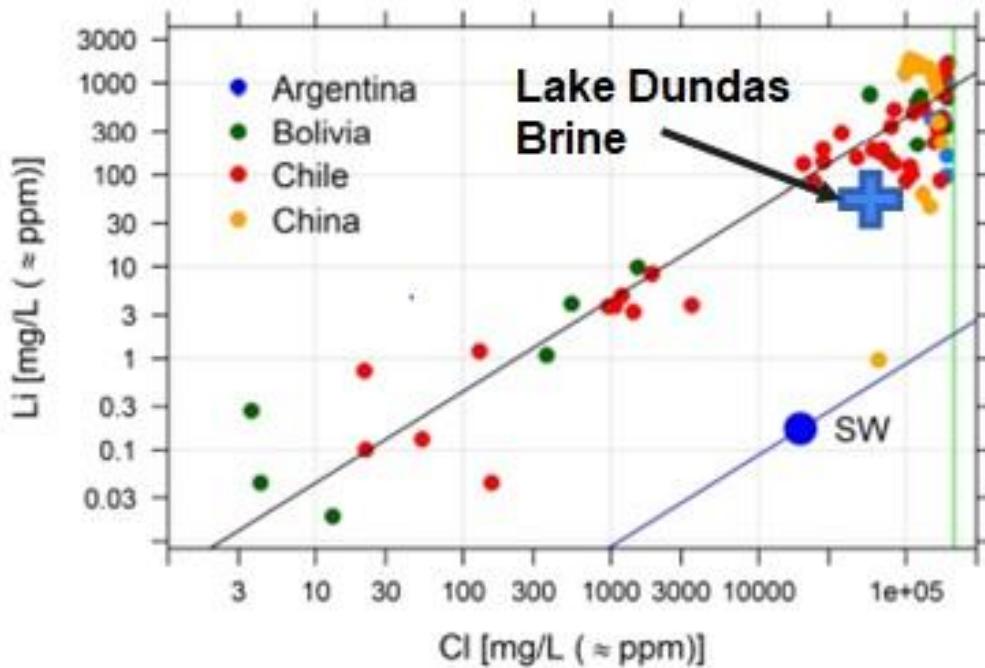


Figure 2: World Lithium Brine concentrations.

Chart Explanation: Lithium concentrations as a function of chloride for productive lithium salt lake mineral systems. The large blue dot and blue line represents sea water. The black line is the trend at 500 times enrichment in lithium compared to seawater. The large blue cross depicts the Lake Dundas soil geochemistry peak (54ppm Li) and chlorite salinities in Lake Dundas (>50,000ppm Cl). It plots close to the cluster of lithium productive salt lakes in South America and China, suggesting more sampling is required within the lake.



Figure 3: Location of the Lake Dundas Lithium Project

## Management Comment

Woomera Managing Director, Jason Livingstone said:

*“The drilling program at Lake Dundas was performed safely and without incident. Furthermore, the program was effective in the collection of representative samples for both the bedrock and the brine. Whilst we progress with further assessment of the lithologies and to characterise the water samples taken, we will also look to advance exploration at the Mt Cattlin Lithium Project just north of the Mt Cattlin Lithium Mine, Ravensthorpe.”*

*“It is an exciting time for Woomera as we progress these Projects through the exploration lifecycle. We eagerly await the results from this program at Lake Dundas, but are thrilled to start our assessment of Mt Cattlin.”*

This ASX announcement has been approved and authorised for release by the Board of Woomera Mining Ltd.

For further information please contact:

**Jason Livingstone**

Managing Director

Woomera Mining Limited

+ 61 417 560 341

**Luke Forrestal (Media Relations)**

Director, Financial Communications

GRA Partners

+61 411 479 144

**Duncan Gordon (Investor Relations)**

Executive Director

Adelaide Equity Partners

+ 61 404 006 444

## About Woomera Mining Limited

Woomera Mining Limited is a focussed mineral explorer. The Company is exploring for battery metals (lithium nickel, copper + PGE's) and gold in the Yilgarn and Pilbara Cratons of Western Australia plus the Musgrave Province in South Australia along with copper-gold mineralisation in the Gawler Craton of South Australia.

## Forward Looking Statements

*Certain statements in this document are or maybe “forward-looking statements” and represent Woomera’s intentions, projections, expectations or beliefs concerning among other things, future exploration activities. The projections, estimates and beliefs contained in such forward-looking statements necessarily involve known and unknown risks, uncertainties and other factors, many of which are beyond the control of Woomera, and which may cause Woomera’s actual performance in future periods to differ materially from any express or implied estimates or projections. Nothing in this document is a promise or representation as to the future. Statements or assumptions in this document as to future matters may prove to be incorrect and differences may be material. Woomera does not make any representation or warranty as to the accuracy of such statements or assumptions.*

## Previously Reported Information

*For the purposes of ASX Listing Rule 5.23 the Company confirms that it is not aware of any new information or data that materially affects the information included in the original announcement and that all material assumptions and technical parameters underpinning the estimates in the original announcements continue to apply and have not materially changed.*