

## ASX ANNOUNCEMENT

8 March 2023

### Manganese Drilling Campaign Completed

- **94 Drill hole program completed on the Jamieson Tank deposit**
- **Logging completed with manganese intersections - drill assay results pending – downhole geophysics continuing**
- **Mineral Resource estimate targeted before the end of the June Quarter 2023**
- **Following an initial scope of work, CSA Global will complete the maiden JORC Resource for the Jamieson Tank Project**
- **ChemX objective is to develop an attractive business case for the development of a battery grade manganese project**

ChemX Materials (ASX:CMX) (ChemX or the Company), a materials technology company focused on providing the critical materials required for electrification and decarbonisation, is pleased to announce the completion on the reverse circulation percussion (RCP) drill program over the northern extent of the Company's Jamieson Tank manganese project on tenement EL6634 in South Australia as illustrated in Figure 1. The program comprised 94 RCP drill holes for a total of 6,164 metres, with samples collected predominantly on 1m intervals and submitted to an external laboratory for preparation and analysis.



*RCP drill rig on location – EL6634*



Drilling has resulted in an approximate 200m by 25m drill grid over the 2km strike length. Refer Figure 1 below for drill hole location plan.

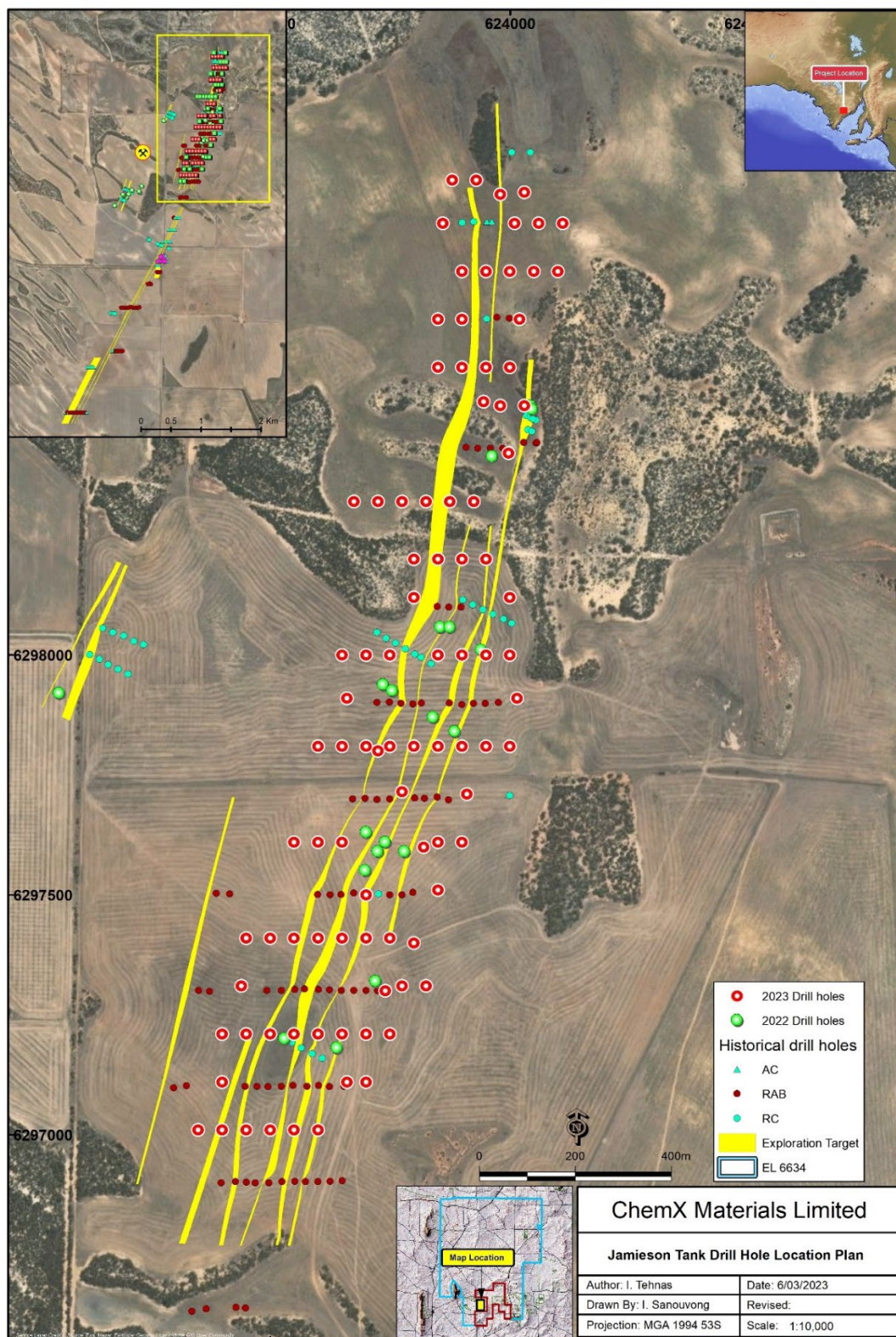


Figure 1: Jamieson Tank drill hole and Exploration Target location plan



**CEO Mark Tory** commented: "The completed manganese drill program in South Australia is an important milestone for ChemX and we are looking forward to announcing our maiden mineral resource before the end of the June quarter 2023. The Company is also continuing to progress its High Purity Alumina (HPA) test work with recent visits from state and federal politicians and potential investors demonstrating the high level of interest in the HPA product."

Assay results from the drilling program should be received in batches by the Company over the next six weeks. As these results are received by ChemX they will be released to the market.

The purpose of the drill program was to test the Exploration Target (ASX Announcement 27 July 2022), establish a robust geological control of the manganese mineralisation and produce an initial Mineral Resource Estimate, expected to be finalised before the end of the June quarter 2023.



*Example of rock chips from the drilling program*



CSA Global will report a maiden Mineral Resource in accordance with the JORC code, following their initial work with ChemX on the manganese (Mn) Exploration Target per ASX announcement dated 27 July 2022. This target has a range from 21 to 35M tonnes grading 7.5 to 10.1% Mn. <sup>1</sup>

More than half of the drill holes have completed downhole geophysics to acquire high quality density data and support geological interpretation and resource modelling to underpin the reporting of a maiden Mineral Resource Estimate in accordance with the JORC Code. Analysis is currently being undertaken of this data. The remaining holes will have the downhole geophysics completed in the next couple of weeks for analysis.

<sup>1</sup>. *The Company confirms that it is not aware of any new information or data that materially affects the information included in the above market announcements. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original announcements.*

**ENDS**

*This Announcement has been authorised for release by the Board.*

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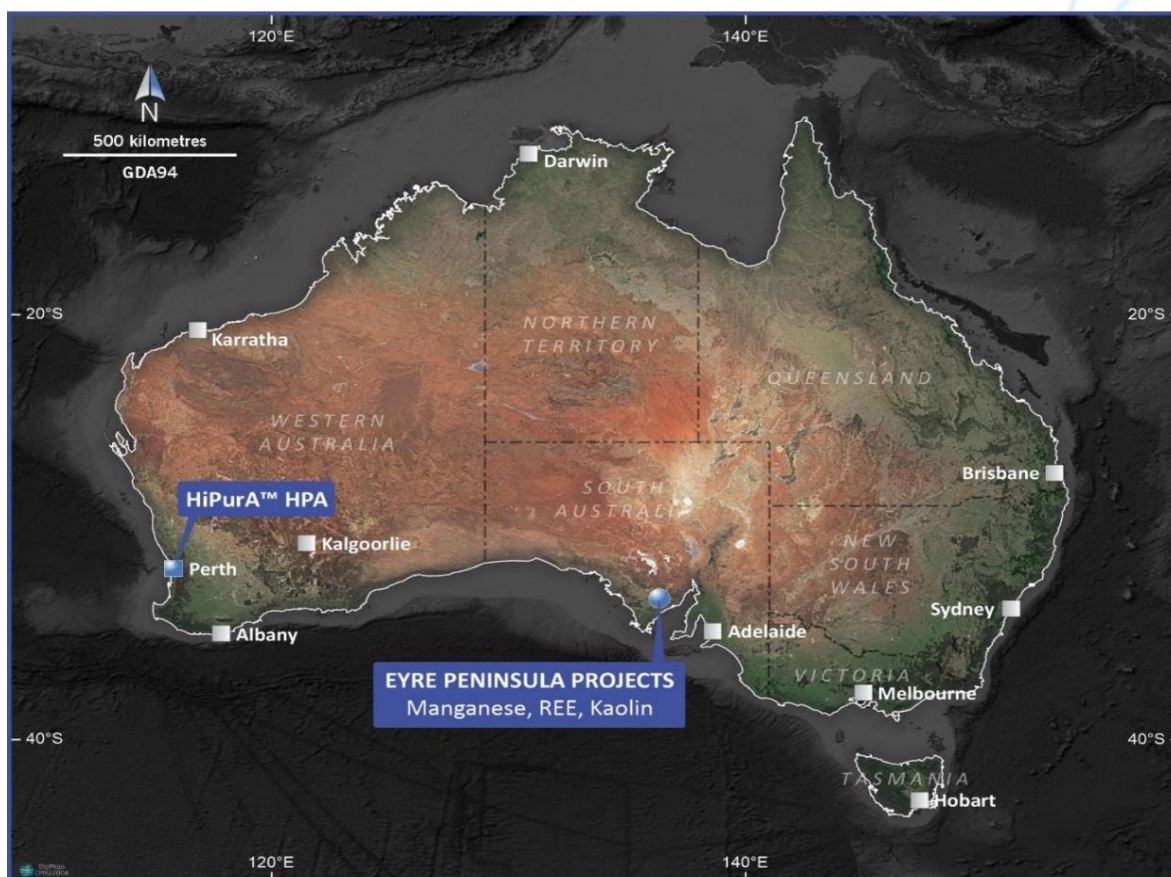
## About ChemX Materials (ASX: CMX)

ChemX is a materials technology company focused on providing critical materials required for electrification and decarbonisation. The Company's vision is to support the energy transition with materials and technology that provide real solutions to lowering carbon emissions.

Developed in-house, ChemX's HiPurA® Process is a unique technology that is capable of producing high purity alumina (HPA) and high purity aluminium cathode precursor salts for lithium-ion batteries. Initial test work has indicated that the process is low cost and low in energy consumption, compared to alternative technologies. A key competitive advantage is that the HiPurA® process is not tied to mine production, with the feedstock being a widely available chemical.

The Company has projects in South Australia and Western Australia.

The South Australian Eyre Peninsula projects include the Kimba Kaolin-REE Project and the Jamieson Tank Manganese Project. The ChemX HiPurA® Project is located in Western Australia.



ChemX Project Locations

[www.chemxmaterials.com.au](http://www.chemxmaterials.com.au)

[LinkedIn](#)

### Directors

Warrick Hazeldine

**Non-Executive Chairman**

Alwyn Vorster

**Non-Executive Director**

Tara Berrie

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