

16 December 2022

SCOPING STUDY COMMENCES FOR MANNA LITHIUM PROJECT

Experienced Project Director appointed

Key Highlights

- Scoping Study underway at Manna Lithium Project with leading resources consultancy firm MinSol Engineering appointed to undertake the Study in conjunction with GL1
- MinSol to define the process and non-process infrastructure requirements, as well as the estimated capital and operating costs for Manna
- Outcomes of study to set foundation for subsequent Manna Feasibility Study, in addition to outlining key risks and opportunities to be targeted
- The Scoping Study results are expected in Q1 CY2023
- Feasibility Study scheduled to commence at Manna Lithium Project in Q1 CY2023
- The Manna Lithium Project hosts a Mineral Resource Estimate (MRE) of **32.7Mt @ 1.0% Li₂O** following this month's update
- Reverse circulation (RC) drilling continues at the Manna Project to further expand the MRE in CY2023
- Highly experienced project director, Tony Chamberlain, appointed to oversee project studies and deliverables at GL1's lithium projects in Western Australia

Growing multi-asset West Australian lithium company Global Lithium Resources Limited (**ASX: GL1**, "**Global Lithium**" or "the **Company**") is pleased to announce it has commenced a Scoping Study ("**Study**") for the Manna Lithium Project, located 100km east of Kalgoorlie in the Goldfields region.

Leading resources consultancy firm MinSol Engineering (MinSol) has been appointed to undertake the Study, which will define the process and non-process infrastructure requirements at Manna, as well as the estimated capital and operating costs for the Project.

The outcomes of the Study will form the basis for a subsequent Feasibility Study at Manna, whilst also providing the key risks and opportunities to be targeted. MinSol, in conjunction with Global Lithium, will develop the forward work plan summarising the necessary test work, studies, approvals and site-specific investigations through to project implementation.

MinSol is a Western Australian based resource development consultancy, specialising in the engineering design and project delivery for mineral processing facilities and associated infrastructure. MinSol's engineering team has been pivotal to the development of the lithium processing industry over the past 15 years, assisting the likes of Talison Lithium to develop their spodumene processing facilities at Greenbushes, and Tianqi Lithium to develop one of the world's largest chemical facilities to produce battery grade lithium hydroxide in Kwinana, Western Australia.

The deliverables of the Scoping Study include:

- Undertake preliminary process engineering design, including development of process design criteria, mass/water balance and process flow diagrams.
- Undertake preliminary mechanical design, including major equipment sizing and mechanical equipment list (including electrical load estimate).
- Development preliminary site General Arrangement Drawings, including mine and mine infrastructure, processing facilities, non-process infrastructure, and site access.
- Undertake a logistics study to define key transport corridors and outline infrastructure access and capacity.
- Undertake a preliminary hydrology study to assess site water quality and availability.
- Identify key risks to the project and specify mitigating strategies to be pursued in subsequent studies.
- Development of a high-level project and environmental approvals list for action.
- Develop a Level 2 Project Implementation Schedule which highlights critical path and near critical path items, including long lead items.
- Develop a Capital Cost Estimate to an order of accuracy of $\pm 30\%$.
- Develop an Operating Cost Estimate to an order of accuracy of $\pm 30\%$.
- Develop a high-level financial model.

The Manna Lithium Project hosts a **Mineral Resource of 32.7Mt @ 1.0% Li₂O**. The Company recently released an updated MRE with the extended RC drilling program continuing into 2023 to further expand the resource.

Tony Chamberlain Appointed Project Director

Global Lithium is also pleased to announce the appointment of experienced mining industry executive Tony Chamberlain as Project Director at the Company. Mr Chamberlain has more than 25 years' experience as a mining professional in the resource sector, comprising study and project management, construction and project delivery, project evaluation, due diligence, management of operational teams, production and strategic business planning.

Most recently, Mr Chamberlain was Chief Operating Officer and Project Director of uranium exploration and development company, Vimy Resources Ltd (ASX:VMY), where he led a multi-faceted team including

safety, human resources, exploration, mine planning, engineering and contract management. Mr Chamberlain also previously spent 2.5 years with BCI Minerals Ltd (ASX:BCI) as Project Director and Chief Operating Officer between 2019-2021, and five years with Vimy Resources as Chief Operating Officer between 2014-2019.

As Project Director of Global Lithium, Mr Chamberlain will be responsible for all end-to-end deliverables on the Company's projects, commencing with the Scoping and Feasibility Studies in relation to the Manna Lithium Project. Mr Chamberlain will also assist Global Lithium's project teams with the successful delivery of various work streams on time, budget and quality.

Global Lithium Managing Director, Ron Mitchell commented,

"We are delighted to have commenced our Scoping Study for the Manna Lithium Project in the weeks following our consolidation of 100% ownership in the Project and following the update to the MRE earlier this month. Our CY2022 Exploration Program at Manna has been highly encouraging and we are excited about the prospect of this Scoping Study further determining the potential of this project.

The Scoping Study is an important step for Global Lithium as we move towards the Manna Lithium Project Feasibility Study, scheduled to commence in Q1 CY2023. MinSol Engineering has significant spodumene concentrate experience and we are confident the Scoping Study will deliver a positive outcome that GL1 can build from. We look forward to updating shareholders with the results of the Scoping Study as they become available.

We also welcome Tony Chamberlain to GL1 in the important role of Project Director as the Company looks ahead to a number of significant activities, including this Scoping Study and then the Feasibility Study we intend to undertake in relation to the Manna Lithium Project. Tony's background in delivering key project studies and associated approvals will be highly beneficial for Global Lithium as we continue to rapidly advance both of our Western Australian projects."

Approved by the board of Global Lithium Resources Limited.

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About Global Lithium

Global Lithium Resources Limited (ASX:GL1, Global Lithium) is a diversified West Australian focussed mining exploration company with multiple assets in key lithium branded jurisdictions with a primary focus on the 100%-owned Marble Bar Lithium Project (MBLP) in the Pilbara region and the Manna Lithium Project in the Goldfields, Western Australia.

Global Lithium has now defined a total Inferred and Indicated Mineral Resource of 50.7Mt @ 1.0% Li₂O at its MBLP and Manna Lithium projects, confirming Global Lithium as a significant global lithium player aiming to fast track into development.

Global Lithium's major shareholders include Suzhou TA&A Ultra Clean Technology Co. Limited (Suzhou TA&A), a controlling shareholder of Yibin Tianyi Lithium, a joint venture between Suzhou TA&A (SZSE: 300390) (75%) and CATL (SZSE: 300750) (25%), the world's largest EV battery producer, and ASX listed Mineral Resources Limited (ASX: MIN).

Directors

Warrick Hazeldine	Non-Executive Chair
Ron Mitchell	Managing Director
Dr Dianmin Chen	Non-Executive Director
Greg Lilleyman	Non-Executive Director
Hayley Lawrance	Non-Executive Director

Global Lithium – Mineral Resources

Project Name	Category	Million Tonnes (Mt)	Li ₂ O%	Ta ₂ O ₅ ppm
Marble Bar	<i>Indicated</i>	3.8	0.97	53
	<i>Inferred</i>	14.2	1.01	50
	SubTotal	18.0	1.00	51
Manna	<i>Indicated</i>	18.5	1.03	45
	<i>Inferred</i>	14.2	0.97	43
	SubTotal	32.7	1.00	44
Combined Total		50.7	1.00	46

Competent Persons Statement:

Mineral Resources

Information on historical exploration results and Mineral Resources for the Manna Lithium Project and the Marble Bar Lithium Project presented in this announcement, together with JORC Table 1 information, is contained in an ASX announcement released on 15 December 2022.

The Company confirms that it is not aware of any new information or data that materially affects the information in the relevant market announcements, and that the form and context in which the Competent Persons findings are presented have not been materially modified from the original announcements.

Where the Company refers to Mineral Resources in this announcement (referencing previous releases made to the ASX), it confirms that it is not aware of any new information or data that materially affects the information included in that announcement and all material assumptions and technical parameters underpinning the Mineral Resource estimate in that announcement continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Persons findings are presented have not materially changed from the original announcement.