

22 September 2021



10,000M RC DRILLING CAMPAIGN COMMENCED TO TEST HIGHLY PROSPECTIVE LITHIUM TARGETS

Key Highlights:

- Major exploration campaign commenced at the Marble Bar Lithium Project (MBLP), including an RC drilling program to follow up on lithium mineralisation identified over a **6km strike length** remaining open to the north, south, east and at depth.
- Program to include:
 - RC Drilling to follow up lithium targets identified in the previous drilling campaigns, including highly prospective targets to the south of the Archer deposit.
 - RC drilling and further fieldwork to follow up more than 100 pegmatite trends and lithium targets identified and developed through a combination of mapping, high resolution photography, aeromagnetism, structural and geochemical interpretation.
 - First phase exploration into the newly acquired tenement package immediately south of Archer, where field work has already identified pegmatite traces along the tenement boundary.
 - Follow up RC drilling at the Twin Veins gold prospect where MBRC0157 intersected **12m @ 2.95g/t from 40m¹**.
- Preliminary metallurgical testwork and mineralogy studies underway.
- Heritage surveys and community engagement ongoing.

Pilbara-focused lithium explorer, Global Lithium Resources Limited (**ASX: GL1, Global Lithium** or the **Company**) is pleased to report commencement of a CY4Q exploration program at its Marble Bar Lithium Project (MBLP), located 150km southeast of Port Hedland, in the Pilbara region of Western Australia.

Global Lithium Managing Director Jamie Wright said, *“To be back on the ground at Marble Bar is an exciting time for Global Lithium. We are looking forward to this next phase of exploration as we continue to seek to grow the project using new targeting tools developed over the past few months.*

“Importantly, the program is our first opportunity to explore our newly acquired tenements.

¹ Refer ASX release titled “12m @ 2.95g/t gold intercepted at Twin Veins prospect”, dated 4 August 2021.

“We look forward to keeping shareholders updated on our exploration progress at MBLP.”

The program includes approximately 10,000m of proposed RC drilling to:

- Undertake further drilling to seek to extend the known lithium mineralisation, including following up a number of targets identified in the RC drilling program completed earlier this year²;
- Follow up a number of prospects identified from the previous RC drilling campaign, as well as drawing on the recent targeting work completed within the broader MBLP area (see below), including within the Brockman Zone and towards the southern extent of the known strike of lithium mineralisation;
- Seek to commence early-stage exploration activities in the newly acquired tenement package to test for potential extensions of the lithium mineralisation;
- Continue to improve the Company’s understanding on controls for spodumene pegmatite mineralisation and identify new areas for drill testing; and
- Follow up on the recent drilling at the Company’s Twin Veins gold prospect.

In developing the CY4Q exploration program, Global Lithium and Resource Potentials Pty Ltd drew on:

- High resolution drone photography used to assist with identification of structures and pegmatites within the project area;
- A desktop interpretation to assist understanding structures in the area, as well as to assist identifying potential targets;
- Field mapping;
- Specialist geochemical interpretation of the Company’s existing survey database; and
- Input from the team based on the drilling and work done to date.

² Refer ASX Release titled “Assays confirm lithium mineralisation extends over 6km”, released on 28 July 2021.



Figure 1: An example of how Global Lithium is using high resolution drone photography – this image compares the photography available from the survey against imagery from Google Earth in the location where rock chip sample RP50696³ was collected.

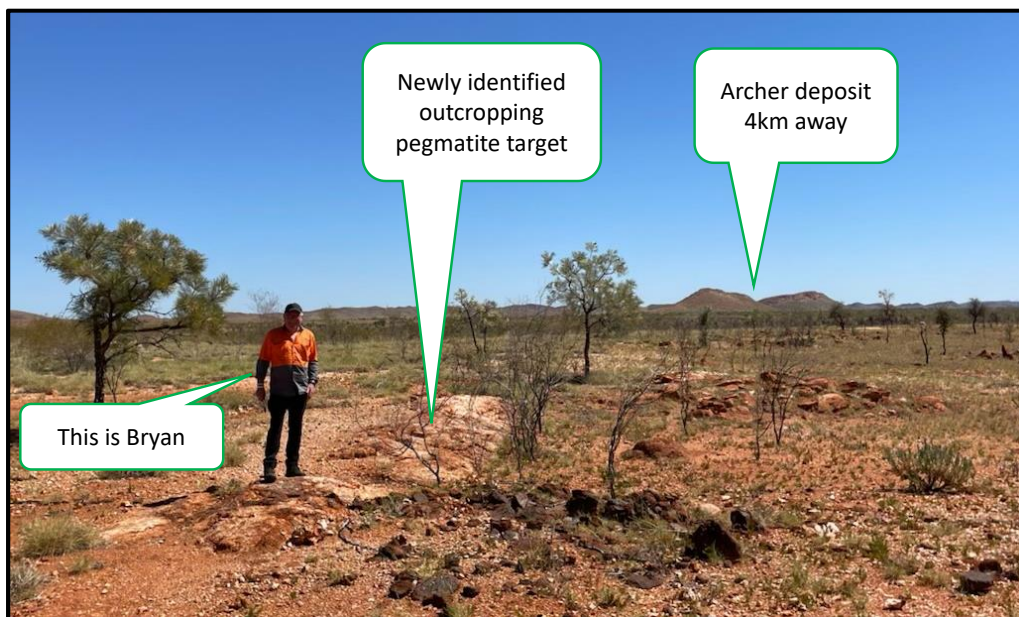


Figure 2: Global Lithium Exploration Manager Bryan Bourke standing on a pegmatite target identified from desktop work and followed up with field inspection.

³ Refer ASX Release titled “Assays confirm lithium mineralisation extends over 6km”, released on 28 July 2021.

The targeting work has identified more than 100 pegmatite trends so far based on geological and geochemical interpretation, forming the foundation of the proposed drilling program (**Figure 3**). This targeting work is ongoing, with large areas within the MBLP not yet completely reviewed or inspected for targeting. These areas provide additional opportunity for Global Lithium.

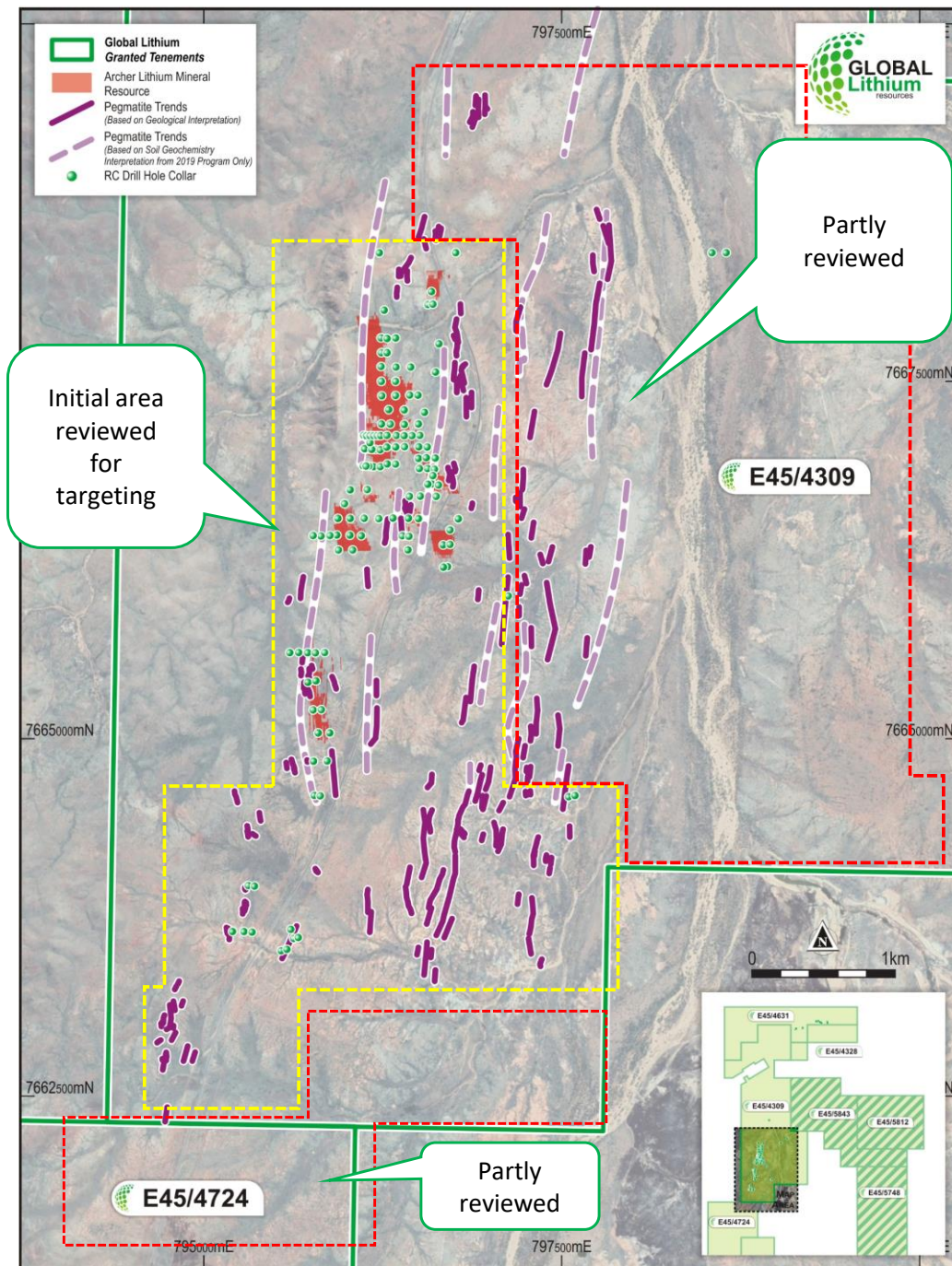


Figure 3: Pegmatite trend areas identifying initial target areas and areas for further review.

Earlier programs have highlighted that lithium mineralisation extended over at least 6km in strike and almost to the boundary between tenement E45/4309 and tenement E45/4724, which the Company has recently acquired. The Company is excited by the opportunity to potentially extend lithium mineralisation

in this southern zone into the newly acquired tenements and has developed a strategy to commence exploration in the area as part of this program. This will include soil sampling, aeromagnetic survey, drone photography and progression of approvals – a similar process to the above.

Heritage clearance and community engagement update

Nyamal Aboriginal Corporation (NAC) has recently assisted with coordination of the first phase of a heritage survey (**Figure 4**), which will enable Global Lithium to explore in a broad area of the MBLP around the Archer deposit whilst being mindful of its contractual, social and cultural obligations. The Company is grateful for the speed and efficiency in which the NAC has assisted with these surveys and looks forward to continuing to build on the positive relationship.

As part of the ongoing heritage engagement, the Company is also discussing protection measures for the Two Sisters hills located in the vicinity of the Archer deposit and the Brockman Creek located in the east of the project area. The Company's current drilling program is focused outside these areas.

The Company recognises that the Nyamal are key stakeholders to the project and we look forward to continuing our ongoing relationship with the community as we progress discussions with their representatives in a positive manner.



Figure 4: Representatives of the NAC and Global Lithium walking the heritage survey at MBLP.

Global Lithium has also recently engaged with the Marble Bar community and in early September held a community update event which was well attended (**Figure 5**).



Figure 5: Managing Director Jamie Wright presenting to the Marble Bar community.

Global Lithium has commenced drilling (**Figure 6**) which is anticipated to continue through to December 2021. Subject to lab turnaround time, assays are anticipated to be received in CY1Q 2022.



Figure 6: Drilling commencing at the MBLP.

In parallel with the CY4Q exploration program, Global Lithium has commenced a preliminary metallurgical testwork program, with compositing, crushing and HLS testwork now underway. The Company is also pursuing additional mineralogical studies to assist in the understanding of the MBLP.

MBLP is close to major road infrastructure, with direct links into Port Hedland, where bulk commodities, including spodumene concentrate, are exported (**Figure 7**). The MBLP is located approximately 15km from the town of Marble Bar, which provides ready access to services and skills.

Global Lithium is well funded with a cash balance of \$8.6 million as at 30 June 2021.



Figure 7: Marble Bar Lithium Project location map.

Approved for release by the Board of Global Lithium Resources Limited.

For more information:

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About Global Lithium

Global Lithium Resources Limited (ASX:GL1, Global Lithium) is an emerging lithium exploration company with a primary focus on the 100%-owned Marble Bar Lithium Project (MBLP) in the Pilbara region of Western Australia.

Global Lithium has defined a maiden Inferred Mineral Resource of 10.5Mt @ 1.0% Li₂O at its Archer deposit, confirming the MBLP as a significant new greenfields lithium discovery.

Directors

Warrick Hazeldine	Non-Executive Chair
Jamie Wright	Managing Director
Dr Dianmin Chen	Non-Executive Director

Capital Structure

Shares on issue:	131,808,339 fully paid ordinary shares
Options on issue:	4,780,614 options with an exercise price of \$0.30 per option and an expiry of 6 May 2025
Performance Rights:	5,000,000 performance rights, subject to certain performance milestones

Competent Persons Statement:

The information in this announcement that relates to Exploration Results complies with the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code) and has been compiled and assessed under the supervision of Exploration Manager Bryan Bourke, a full time consultant to Global Lithium Resources Limited. Mr Bourke is a Member of the Australasian Institute of Geoscientists. He has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the JORC Code. Mr Bourke consents to the inclusion in this announcement of the matters based on his information in the form and context in which it appears.

Information on historical exploration results and Mineral Resources presented in this Announcement, together with JORC Table 1 information, is contained in the Independent Geologists Report within the Company's Prospectus dated 22 March 2021, which was released as an announcement on 4 May 2021.

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

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 with 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.