

25 October 2023

## Drilling to commence on large scale Liberty Lithium Brine Project USA

- QXR to commence a 1000 metre drilling program in the coming days over the large scale (102km<sup>2</sup>) Liberty Lithium Brine Project in the western USA in which QXR is earning 75% of the project.
- Two large diameter deep diamond drillholes (500m each) are centred over an extensive lithium brine surface anomaly over 10km with geophysics indicating conductive brine aquifer targets at depth.
- Targeting the potential for aquifers at depth hosting lithium bearing brines, which will be submitted for analysis and testwork with various direct lithium extraction (DLE) providers.
- The Liberty Lithium Brine Project's geological setting mirrors Albemarle's nearby producing Silver Peak lithium brine deposit in Clayton Valley.

QX Resources Limited (**ASX: QXR, 'QXR'**) has contracted a diamond drilling rig with an experienced team to commence a 1000 metre drill program in the coming days over the large scale Liberty Lithium brine project in California, USA.

Two large diameter (PQ) deep diamond drillholes (500m each) have been approved. The targets are centred over an extensive surface lithium brine surface anomaly over 10km as well as large geophysical anomalies (MT geophysics) that indicate conductive brine aquifer targets in a deep closed basin 10km (ASX announcement 26 July 2023).

Drilling is targeting the potential for aquifers at depth hosting lithium bearing brines. Bulk volumes of brine will be submitted for analysis and testwork with various direct lithium extraction (DLE) providers. Each drillhole will be sampled downhole together with downhole geophysics. The vendor (IG Lithium) has been able to provide an experienced support team for the program together with QXR appointees.

QXR entered an Option to Purchase Agreement to earn a 75% interest of the 102km<sup>2</sup> Liberty Lithium Brine Project, located in SaltFire Flat, in California, USA. The Project is one of the largest single lithium brine projects in the USA (for scale, equivalent to 2x area of Sydney Harbour). The Project's geological setting mirrors Albemarle's nearby producing Silver Peak lithium brine deposit in Clayton Valley USA<sup>1</sup> and major Argentina brine projects.

**QXR Managing Director, Stephen Promnitz, said:** "Drilling will be underway within days at the Liberty Lithium Project to target lithium brine bearing aquifers. These targets are modelled from geochemistry, geophysics and the geological setting, based on past successes. This is potentially a new large-scale lithium brine project - in the heartland of a rapidly growing battery supply chain in the USA. Participants in the USA are aggressively seeking to secure domestic battery minerals supply to balance potential supply side risks to the energy transition.

End-users, DLE technology providers, project developers and battery makers have intimated interest in participating with us once we identify lithium brines in drillholes. The project is located near to long life evaporation operations, and is well-serviced by roads and power in an industrial region keen to be part of the energy transition."



Figure 1: Location map of Liberty Lithium area (SaltFire Flat Project)

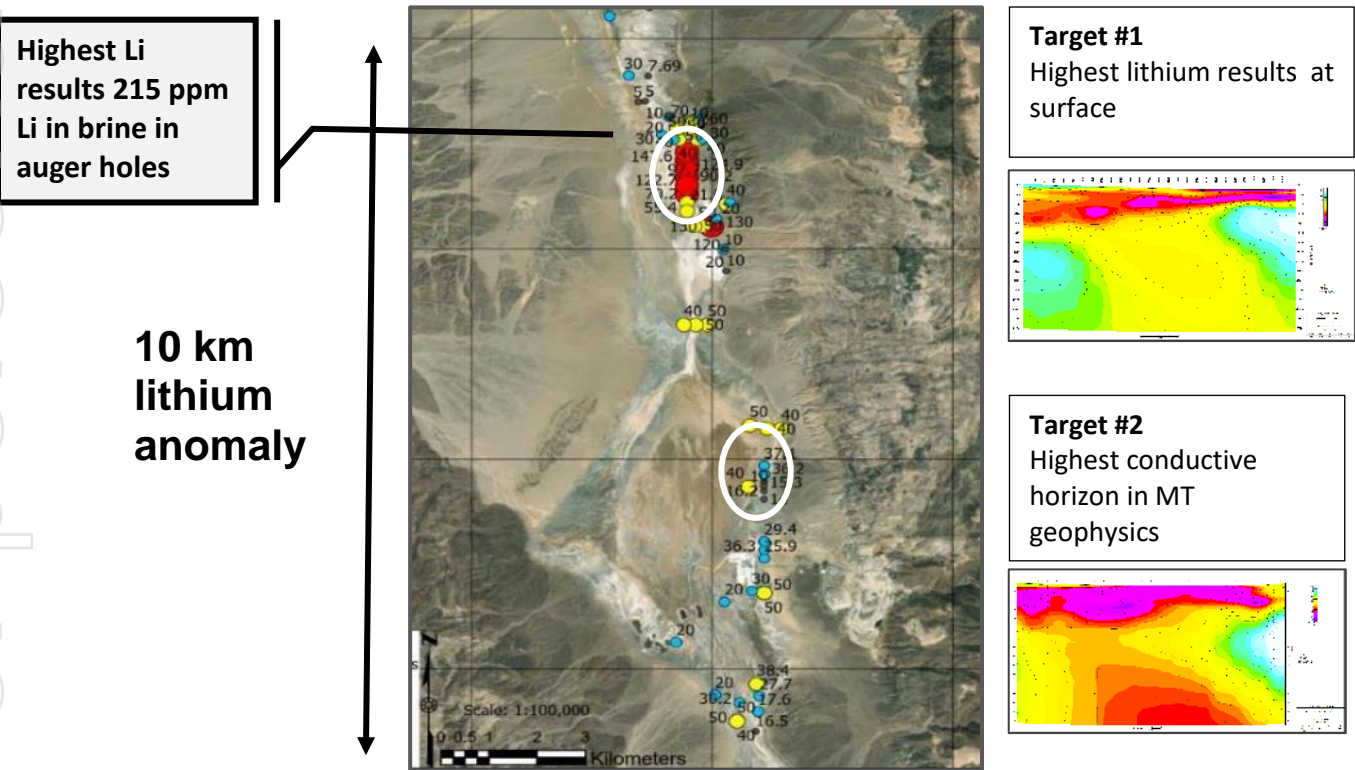
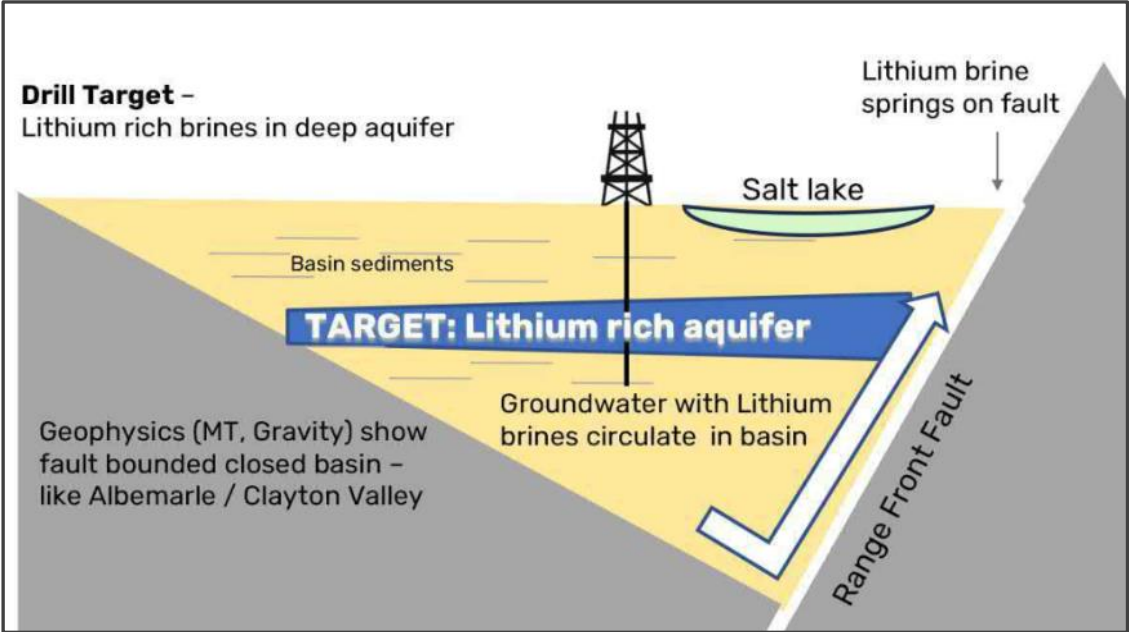


Figure 2: Location Map - Liberty Lithium with surface brine sample results (ppm Li) and geophysics profiles (MT) showing conductive horizons permissible for brine filled aquifers and drilling platforms (ASX announcement 26 July 2023, 5 October 2023 presentation).



*Figure 3: Stylised Target Aquifer in modelled cross section of basin - Liberty Lithium Project (ASX announcement 5 October 2023 presentation).*



*Figure 4: View of the Salt Fire Flat at Liberty Lithium*



*Figure 5: The first drill site- Salt Fire Flat at Liberty Lithium*



Authorised by the Board of QX Resources Limited.

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**About QX Resources:**

QX Resources (ASX:QXR) is focused on exploration and development of battery minerals, with hard rock lithium assets in a prime location of Western Australia (WA), lithium brine project in the USA, copper/moly/gold assets in Queensland and a strategic investment in nickel sulphides in Sweden. The aim is to connect end users (battery, cathode and car makers) with QXR, an experienced explorer/developer of battery minerals, with an expanding mineral exploration project portfolio and solid financial support.

**Lithium hard rock portfolio:** QXR's lithium strategy is centred around WA's prolific Pilbara province, where it has four projects in strategic proximity to some of Australia's largest lithium deposits and mines. Across the Pilbara, QXR's regional lithium tenement package (both granted or under application) spans more than 350 km<sup>2</sup>.

**Lithium brine:** QXR has entered an Option to Purchase Agreement to earn-in to 75% of the Liberty Lithium Brine Project, a large recently consolidated lithium brine project in California, USA.

**Gold portfolio:** QXR is also developing two Central Queensland gold projects through an earn-in agreement with Zamia Resources Pty Ltd. Both gold projects are strategically located within the Drummond Basin, a region that has a >6.5moz gold endowment.

**Nickel sulphides:** QXR has a significant 39% shareholding in unlisted public Australian company Bayrock Resources Limited, which has a portfolio of highly prospective battery minerals assets in Sweden, primarily in nickel, cobalt and copper. QXR is assisting Bayrock with project development and financing initiatives

*The exploration results contained in this announcement were first reported by QXR on 17 May 2023 and 26 July 2023 and 5 October 2023 presentation. QXR confirms that it is not aware of any new information or data that materially affects the exploration results previously announced.*

**Forward Looking Statements and Important Notice**

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