

18 December 2024

## RIO GRANDE SUR PROJECT UPDATE

### HIGHLIGHTS

- Pilot Plant commissioning and first production works are advancing, with the initial processing circuit nearing completion and first production including technical grade 99.5% Lithium Carbonate expected by end of Q1, 2025.
- The recent JORC resource upgrade has created opportunities to optimise planned production through a realigned staged approach, driving higher profitability from lower-cost brine operations while ensuring a more manageable capital outlay.
- Pursuit recently announced high-grade resource upgrade of 1,104.3kt at 505.8mg/L Li (across Indicated (591.8kt @ 515.1mg/l Li) and Inferred categories (512.5kt @ 495.4mg/l L (see ASX announcement dated 9 December 2024).

Pursuit Minerals Ltd (ASX: **PUR**) (“**PUR**”, “**Pursuit**” or the “**Company**”) is pleased to provide the following update on key developments at our Rio Grande Sur Lithium Project.

The Company is progressing with its commissioning and start up works of the Lithium Carbonate Pilot Plant (“**Plant**”). The Plant is in the final stages of commissioning the initial processing circuit with recent completion of the boiler installation along with the centrifuge and other final components to begin processing lithium brine.



*Figure 1 – 250tpa Lithium Carbonate Pilot Plant in Salta, Argentina.*

In relation to the Project Update, Pursuit Managing Director & CEO, Aaron Revelle, said:

*“The Rio Grande Sur Project continues to advance toward production at a fast pace. Alongside our recent resource upgrade, the work progressing the Lithium Carbonate Plant for its first production positions the Rio Grande Sur Project as a potential large-scale, low-cost lithium project.*

*The Pilot Plant is on track to produce its first Lithium Carbonate in Q1 2025, following final commissioning and circuit adjustments. Concurrently with these works, Pursuit is advancing off-take discussions, with multiple potential partners requesting Lithium Carbonate samples. This significant progress is supported by the recent resource upgrade, which delivered over 1.1 million tonnes above 500mg/Li. Leveraging these developments, Pursuit is re-aligning its ongoing feasibility studies toward a staged development approach, starting with the 250t plant and its relocation to site for a continuous Lithium Carbonate operation. This strategy prioritises higher profitability from lower-cost brine operations while ensuring manageable capital requirements as production scales into the thousands and, ultimately, tens of thousands of tonnes of Lithium Carbonate.*

*The Company is looking forward to completion of these significant milestones that will accelerate Pursuit’s ambitions to move toward being a Lithium Carbonate producer.”*

### **Lithium Carbonate Pilot Plant**

Plant operations are intended to produce technical grade Lithium Carbonate of sufficient quantity for potential end users and off-take customers with several requests for samples having already been received by Pursuit.

Commissioning activities to adjust the Plant’s circuit for the processing of Rio Grande brines are well advanced with installation of the boiler and commissioning of the centrifuge in the plant circuit. Pursuit will begin processing brine from Rio Grande Sur with the aim of producing technical and battery grade Lithium Carbonate in Q1,2025.



**Figure 2 – The boiler installed at the 250tpa Lithium Carbonate Plant in Salta.**

The Salta facility is being designed for seamless replication at the Rio Grande site, with extensive testing and optimisation conducted in Salta before relocation. Once moved, the plant will enable continuous processing under on site conditions technically de-risking future larger scale plants, following the successful initial production of Lithium Carbonate in Salta. The Sal Rio 2 tenement has been selected for the location of the evaporation ponds and Plant due to its topographical characteristics and superior evaporation rates. The construction of the ponds is subject to environmental approvals by the Salta Mining Secretary, other relevant government stakeholders and Pursuit board approval.

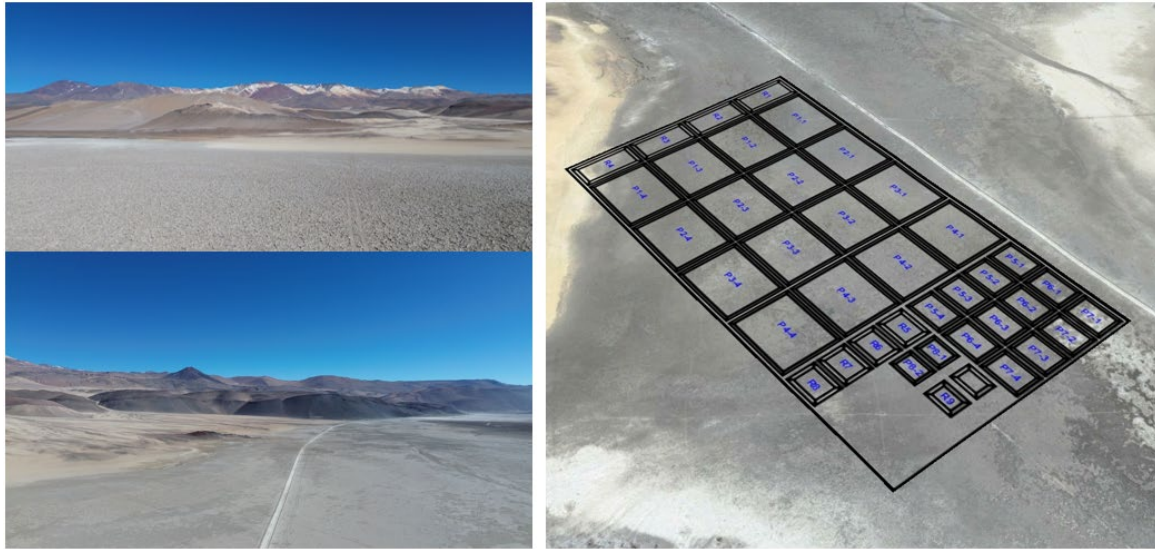


Figure 3 – Proposed Pond Location at Rio Grande Sur

**Staged Commercial Scale Production Approach.**

Following the recent JORC resource upgrade at the Rio Grande Sur Project<sup>1</sup>, a re-alignment of the planned production strategy is currently being incorporated to existing scoping/feasibility works for a larger scale commercial facility at the Rio Grande Sur Project.

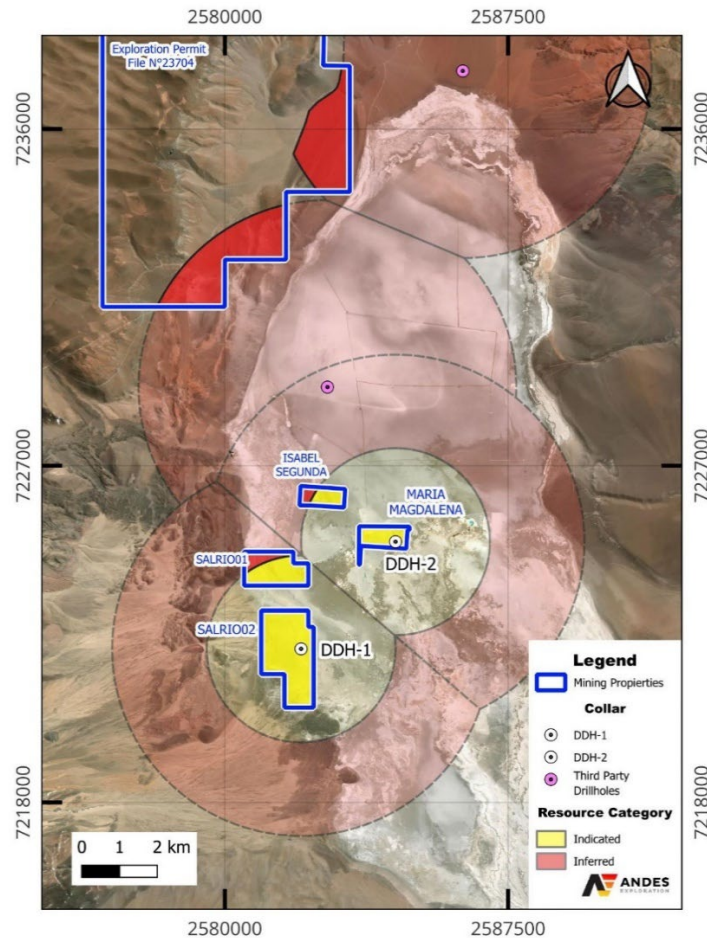


Figure 4 – Mineral Resource Categorization for the Rio Grande Sur Project

<sup>1</sup> See ASX announcement dated 9 December 2024

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The recent high grade resource upgrade by 339% to 1,104,300 tonnes LCE (Lithium Carbonate Equivalent) at an average Lithium concentration of 505.8mg/l Li ("milligrams per litre of Lithium") across Indicated (591.8kt @ 515.1mg/l Li) and Inferred categories (512.5kt @ 495.4mg/l Li) has presented the opportunity to evaluate a staged production strategy. This would commence with a Stage 2 facility producing in the low thousands of tonnes per annum at the Sal Rio 02 tenement, alongside the Stage 1 - 250tpa continuous operation.

The approach ensures a more manageable and capital-efficient development process while maintaining strong profitability in the current price environment, with lithium prices ranging between \$10,000 and \$11,000 USD per tonne. Following the successful implementation of Stage 2, Pursuit would then progress to evaluating a Stage 3 expansion targeting production in the tens of thousands of tonnes, unlocking further scale and value.

Pursuit expects the initial feasibility studies regarding this staged production approach to be released in the first half of 2025.

### **Argentina, a Tier 1 Lithium Jurisdiction**

Pursuit's development plans are further aided by Argentina continuing to establish itself as a Tier 1 mining jurisdiction exemplified by the Rio Tinto's USD \$6.7 billion (ASX:RIO) acquisition of Arcadium Lithium whose flagship projects include the Fenix and Olaroz Lithium Mines in the Catamarca and Jujuy provinces in addition to BHP's (ASX:BHP) venture with Lundin Mining (LUN.TO) in the \$3.25 billion buyout of Filo Corp with the aim of developing to Copper mines in the San Juan province. Additionally, Rio Tinto's recent announcement to develop a 60,000t per annum Lithium Carbonate operation at the Rincon Salar in Salta province is expected to generate significant benefits for other companies advancing lithium projects in the region, further enhancing Salta's position as a key lithium hub.

The surge in M&A activity as well significant capital expenditure to bring new projects online by major miners, combined with supportive government reforms like the Régimen de Incentivos para Grandes Inversiones (RIGI), which offers generous 30-year tax, trade, and foreign exchange benefits for projects exceeding US\$200 million across key sectors including mining, energy, and infrastructure, further solidifies Argentina's position as an attractive and competitive destination for long-term investment.

As such, Pursuit will continue to evaluate acquisition and development opportunities in Argentina within sectors such as Lithium and Copper seeking complementary acquisitions to its large-scale, high-grade Rio Grande Sur Lithium Project.

**This release was approved by the Board.**

**- ENDS -**

**For more information about Pursuit Minerals and its projects, contact:**

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### **Competent Person's Statement and Listing Rule 5.23 Disclosure**

Statements contained in this announcement regarding exploration results are based on, and fairly represent, information compiled by Mr. Leandro Sastre Salim, BSc (Geology) from the National University of Salta, Argentina, and a Graduate Degree in Mineral Economics from the University of Chile. Mr. Sastre has also completed the Management Development Program at the University of Miami's Herbert Business School and has extensive experience in the mining industry across Latin America and Asia-Pacific. Mr. Sastre is a General Manager of Andes Exploration LLC and a Consultant to the Company. Mr. Sastre has sufficient relevant experience in relation to the mineralisation style being reported on to qualify as a Competent Person for reporting exploration results, as defined in the Australian Code for Reporting of Identified Mineral Resources and Ore Reserves (JORC) Code 2012. Mr. Sastre consents to the inclusion of this information in this announcement in the form and context presented, confirming it meets listing rules 5.12.2 to 5.12.7 as an accurate representation of the available data and studies for the referenced mining project.

### **Forward looking statements**

Statements relating to the estimated or expected future production, operating results, cash flows and costs and financial condition of Pursuit Minerals Limited's planned work at the Company's projects and the expected results of such work are forward-looking statements. Forward-looking statements are statements that are not historical facts and are generally, but not always, identified by words such as the following: expects, plans, anticipates, forecasts, believes, intends, estimates, projects, assumes, potential and similar expressions. Forward-looking statements also include reference to events or conditions that will, would, may, could or should occur. Information concerning exploration results and mineral reserve and resource estimates may also be deemed to be forward-looking statements, as it constitutes a prediction of what might be found to be present when and if a project is actually developed.

These forward-looking statements are necessarily based upon a number of estimates and assumptions that, while considered reasonable at the time they are made, are inherently subject to a variety of risks and uncertainties which could cause actual events or results to differ materially from those reflected in the forward-looking statements, including, without limitation: uncertainties related to raising sufficient financing to fund the planned work in a timely manner and on acceptable terms; changes in planned work resulting from logistical, technical or other factors; the possibility that results of work will not fulfil projections/expectations and realise the perceived potential of the Company's projects; uncertainties involved in the interpretation of drilling results and other tests and the estimation of gold reserves and resources; risk of accidents, equipment breakdowns and labour disputes or other unanticipated difficulties or interruptions; the possibility of environmental issues at the Company's projects; the possibility of cost overruns or unanticipated expenses in work programs; the need to obtain permits and comply with environmental laws and regulations and other government requirements; fluctuations in the price of gold and other risks and uncertainties.

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