

Commencement of Isabella Lithium Project Exploration

HIGHLIGHTS

- Maiden exploration program **now underway** at the Isabella Lithium project, located in epicentre of Brazil's Lithium Valley.
- Previous limited rock chip sampling undertaken by Perpetual **confirmed up to 5.62% Li₂O** from outcropping spodumene-bearing pegmatites and underpins a compelling advanced exploration project in a jurisdiction that has confirmed potential for large scale spodumene mineralisation (*Refer to ASX announcement 24th July 2024*).
- PEC will now begin an aggressive strategy of prospectivity assessment through ground reconnaissance work, focusing on the known spodumene-bearing artisanal mines and conducting in-depth assessments of pegmatite occurrences in the region.
- PEC will utilize its expanding in-country and local teams to efficiently cover the 962ha license which is located adjacent to two confirmed spodumene projects;
 - **0.5 km from Atlas Lithium's flagship Das Neves Project** (NASDAQ:ATLX, Market Cap: US\$130 million), where an intersection of 1.47% Li₂O over 95.2 meters was reported. Atlas Lithium is currently constructing a lithium processing plant at Das Neves, which is expected to come online in Q4 2024.
 - **<3km from the Sigma Lithium's** (NASDAQ:SGML, Market Cap: US\$1.0 billion) Southern Complex (Sao Jose Project) which has multiple historical lithium mining activities as well as a current advanced spodumene exploration project.
- Perpetual expects to report results of this current exploration program later in 3QCY24.

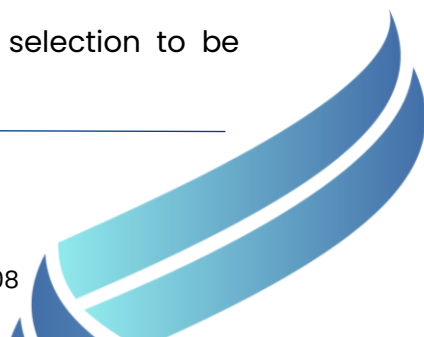
Perpetual Resources Ltd ("Perpetual" or "the **Company**") (ASX: PEC) is pleased to announce that it has commenced its maiden due diligence exploration program at the recently acquired Isabella Lithium Project, located within Brazil's prolific Lithium Valley.

The phase one program will initially focus on a high-impact rock chipping campaign, targeting known spodumene-containing artisanal workings (garimpos) and expanding on these areas. This first-pass surface exploration is expected to yield high-potential lithium anomalies, aiming to establish Perpetual's Isabella Project as a significant advanced lithium exploration project in the region.

Results will inform the establishment of phase two drill target selection to be scheduled as early as feasible.

Perpetual Resources Ltd**T:** 08 6256 5390**E:** info@perpetualresources.co**W:** perpetualresources.co**ACN:** 154 516 533**Principal & Registered Office:**

Suite 2, 68 Hay Street, Subiaco, Western Australia 6008



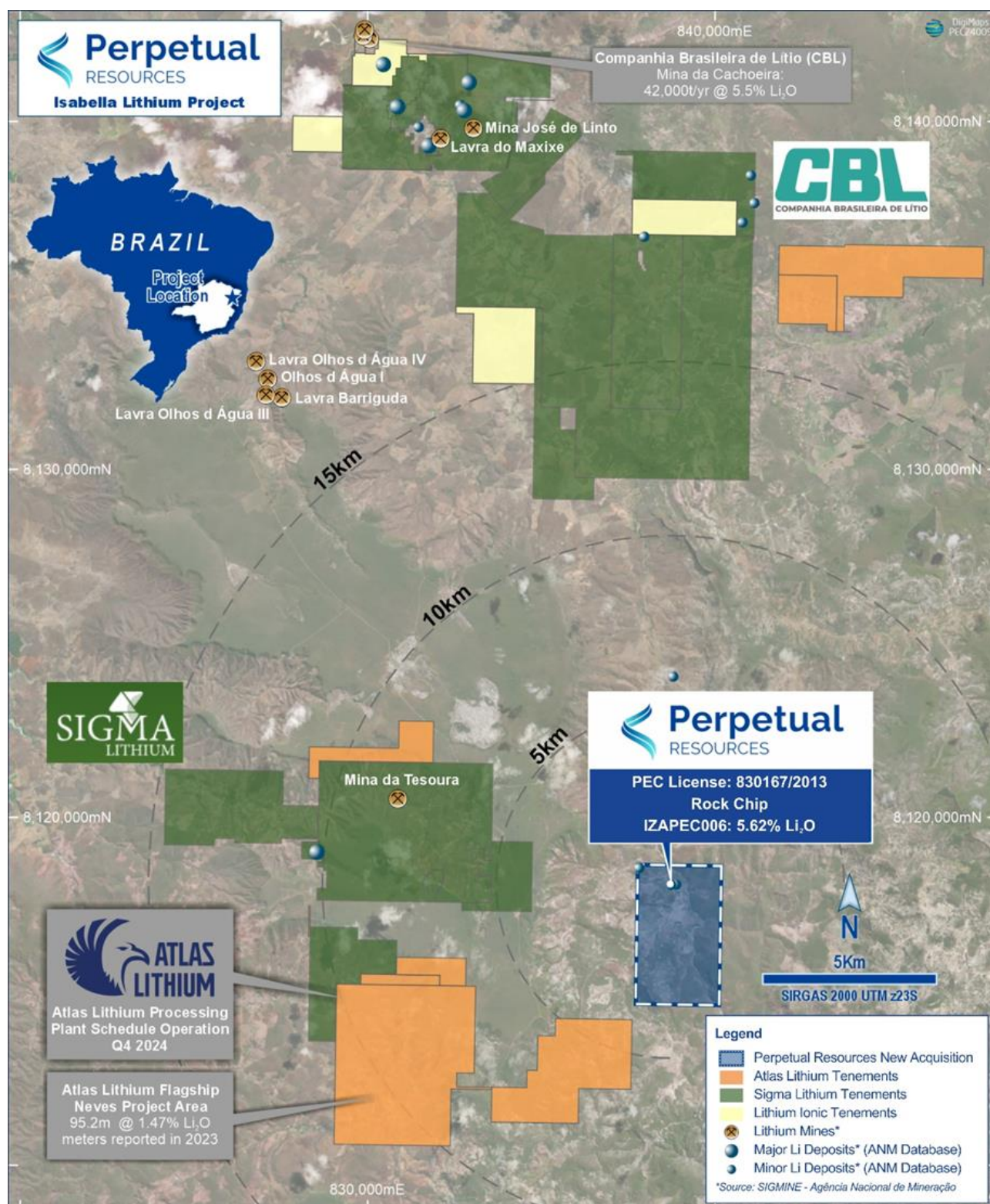


Figure 1 - Regional map of the newly acquired tenement area adjacent to Atlas Lithium and Sigma¹²³.

¹ Refer to CBL's website as of 22nd March 2024: <https://www.cblitio.com.br/en/mining>

² <https://www.atlas-lithium.com/news/atlas-lithium-intersects-1-47-li2o-over-95-2-meters/>

³ Lithium Mines & Li Deposit points available from ANM Online Database: <https://geo.anm.gov.br/portal/>

Advanced Spodumene Opportunity

The acquisition of permit 830167/2013 (refer to Figure 1) in July 2024 represented a significant advancement and potential transformational asset in Perpetual's Brazilian lithium exploration efforts. This permit features multiple outcropping spodumene occurrences and several historical artisanal mining areas, with tunnels extending up to 150m and exposing LCT-bearing pegmatites suitable for initial testing.

The Isabella Project also has confirmed high-grade lithium mineralisation, with **rock-chip assays showing values up to 5.62% Li_2O . The findings align with two trends extending up to 1.8 km, delineated by artisanal workings that target the pegmatites (Figure 4).** The project is anticipated to offer potential near-term drill targets, which will be further evaluated during the current exploration program.



Figure 2 & 3. Coarse spodumene (Sample ID: IZAPEC006) (left) & in-situ spodumene located within artisanal mine (Garimpo 2 - right) from Isabella Project, license 830167/2013, (Refer to ASX announcement 24th July 2024, for rock descriptions)

Current Exploration Program

Perpetual has now begun an aggressive prospectivity assessment through on-the-ground reconnaissance work by its growing in-country exploration team, focusing on the known and potentially expanded set of spodumene-bearing artisanal workings and conducting in-depth assessments of pegmatite occurrences in the region. Activities will target consolidating and expanding spodumene occurrences in the northern portions of the license while establishing preliminary assessments in the southern portions, which have yet to be systematically explored. The Isabella Project is considered a greenfield opportunity with no known contemporary modern exploration conducted, having previously been explored and mined for semi-precious gemstones and ornate granite rather than lithium.

The Isabella Project benefits from excellent access which will enable rapid assessment and development. Results from this current exploration program are expected later in Q3CY24.

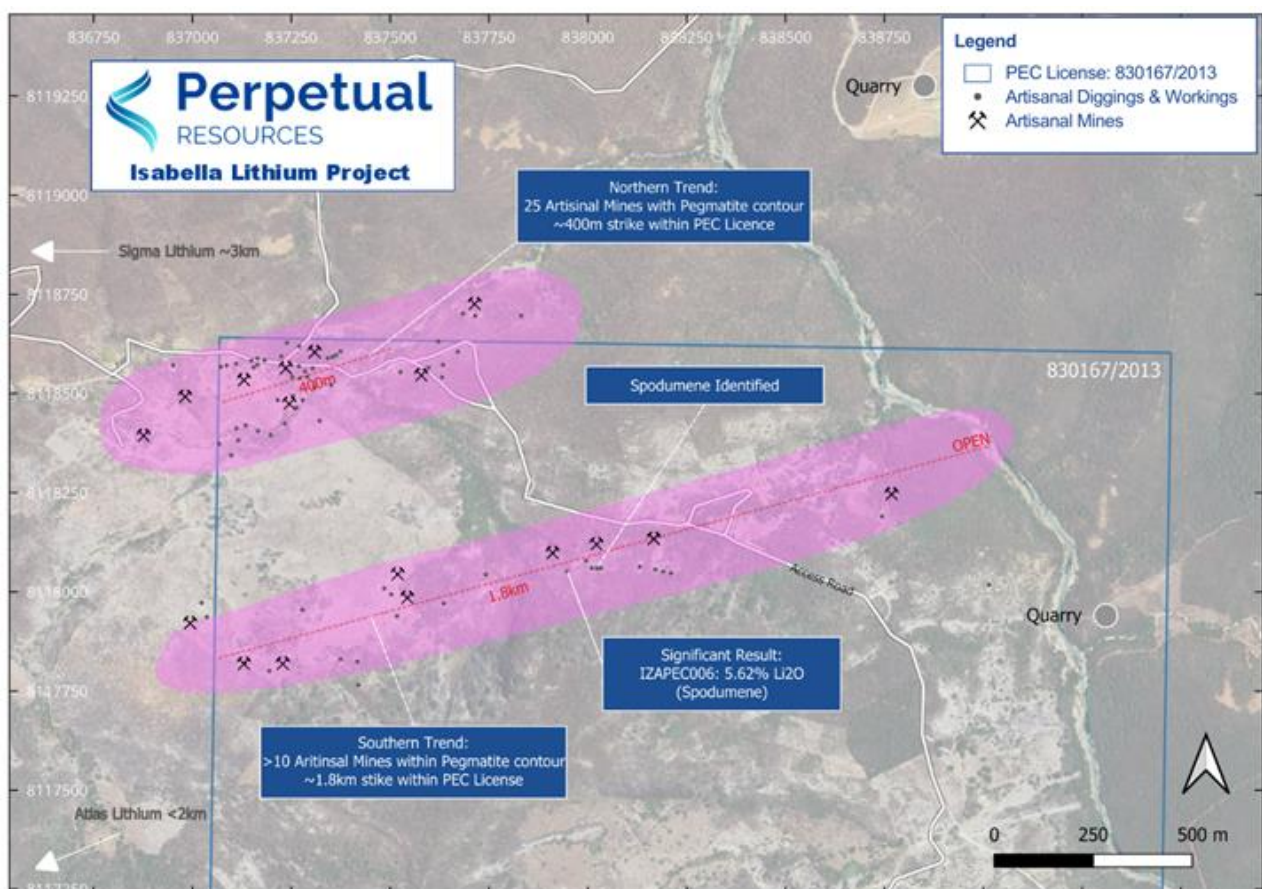


Figure 4. Conceptual Pegmatite Trends based off artisanal workings.



Figure 5 & 6. Artisanal mine (Garimpo 1) featuring a 150m tunnel (left), multi-story artisanal mine (Garimpo 2 - right), located on the Isabella Project, license 830167/2013.

Background to the Isabella Project

The Isabella Project area is situated over a 962-hectare licence within the state of Minas Gerais, and 27.5km from the nearby city of Aracuai, which is a major regional hub for lithium projects, including several drilling contractors and exploration-related support services. Historically, the local region has been exploited for semi-precious gemstones and more contemporary ornamental granite, with an established but now inactive quarry located in the northeast corner of the Isabella Project area. Only recently has the area been identified as containing lithium potential, with the nearby establishment of Sigma's Grota Do Cirlo project (which contains 93.4Mt of measured and indicated resource at 1.4% Li_2O ⁴) and Atlas Lithium's Flagship Das Neves where recent drilling intersected 1.47% Li_2O over 95.2 meters⁵ with the project due to commence mining and processing lithium in Q4 2024. The Das Neves Project has completed a Technical Report⁶ and is currently undertaking a Definitive Feasibility Study (DFS) with a Mineral Resource Estimate (MRE) pending.

- ENDS -

⁴ <https://sigmalithiumresources.com/grota-do-cirilo/#reserves-resources>

⁵ <https://www.atlas-lithium.com/news/atlas-lithium-intersects-1-47-li2o-over-95-2-meters/>

⁶ <https://www.atlas-lithium.com/wp-content/uploads/2022/10/SLR-Brazil-Minerals-Das-Neves-S-K-1300-FINAL-Aug-31-2022.pdf>

This announcement has been approved for release by the Board of Perpetual.

KEY CONTACT

Julian Babarczy

Executive Director

E info@perpetualresources.co

About Perpetual Resources Limited

Perpetual Resources Limited (Perpetual) is an ASX listed company pursuing exploration and development of critical minerals essential to the fulfillment of global new energy requirements.

Perpetual is active in exploring for lithium, rare earth elements (REE) and other critical minerals in the Minas Gerais region of Brazil, where it has secured approximately 12,500 hectares of highly prospective lithium and REE exploration permits, within the pre-eminent lithium (spodumene) and REE bearing region that has become known as Brazil's "Lithium Valley".

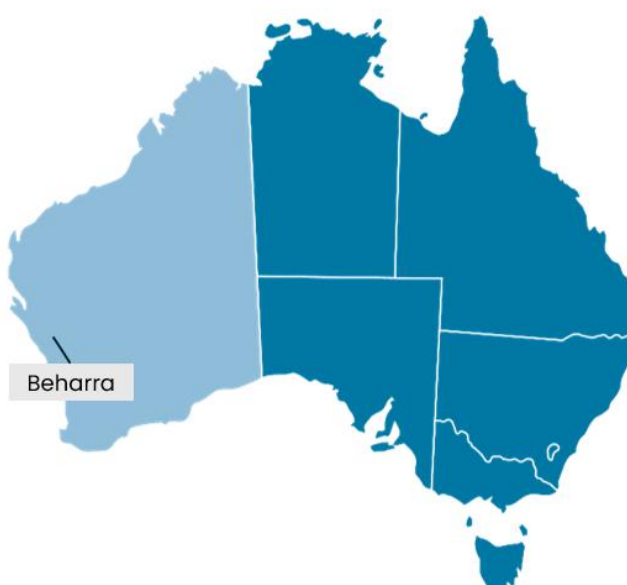
Perpetual also operates the Beharra Silica Sand development project, which is located 300km north of Perth and is 96km south of the port town of Geraldton in Western Australia.

Perpetual continues to review complementary acquisition opportunities to augment its growing portfolio of exploration and development projects consistent with its critical minerals focus.

Brazilian Projects



Western Australian Projects



COMPLIANCE STATEMENTS**No new information**

Except where explicitly stated, this announcement contains references to prior exploration results, all of which have been cross-referenced to previous market announcements made by the Company. The Company confirms that it is not aware of any new information or data that materially affects the information included in the relevant market announcements.

Forward-looking statements

This announcement contains forward-looking statements which involve a number of risks and uncertainties. These forward-looking statements are expressed in good faith and believed to have a reasonable basis. These statements reflect current expectations, intentions or strategies regarding the future and assumptions based on currently available information. Should one or more of the risks or uncertainties materialise, or should underlying assumptions prove incorrect, actual results may vary from the expectations, intentions and strategies described in this announcement. No obligation is assumed to update forward looking statements if these beliefs, opinions and estimates should change or to reflect other future developments.