



**BRAZIL
LITHIUM &
CRITICAL MINERALS**

MAIDEN DRILL PROGRAM

**Targeting Brazil's Next
Lithium Valley Discovery**

ASX: PEC

**JUNE
2025**

DISCLAIMERS

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Competent Persons Statements:

The information in this presentation that relates to Geological Data and Exploration Results for the Isabella, Itinga & Paraiso & Ponte Nova projects is based on data compiled by Mr. Allan Harvey Stephens. Mr. Stephens is an Exploration Manager at Perpetual Resources Limited and is a member of both the Australasian Institute of Mining and Metallurgy (AusIMM) and the Australian Institute of Geoscientists (AIG). He possesses sound experience that is relevant to the style of mineralisation and type of deposit under consideration, as well as the activities he is currently undertaking. Mr. Stephens qualifies as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources, and Ore Reserves.' He provides his consent for the inclusion of the matters based on his information, as well as information presented to him, in the format and context in which they appear within this report. The Company confirms there have been no material changes to exploration results since first reported in accordance with Listing Rule 5.7

The information in this presentation that relates to Exploration Results for the Raptor REE Project are based on information provided by Mr Karl Weber, a professional geologist with over 25 years' experience in minerals geology including senior management, consulting, exploration, resource estimation, and development. Mr Weber completed a Bachelor of Science with Honours at Curtin University in 1994; is a member of the Australasian Institute of Mining and Metallurgy (Member No. 306422) and thus holds the relevant qualifications as Competent Person as defined in the JORC Code. Mr Weber is contracting to Perpetual Resources. Mr Weber has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration results, Mineral Resources and Ore Reserves' (the JORC Code). Mr Weber consents to the inclusion of this information in the form and context in which it appears. The Company confirms there have been no material changes to exploration results since first reported in accordance with Listing Rule 5.7

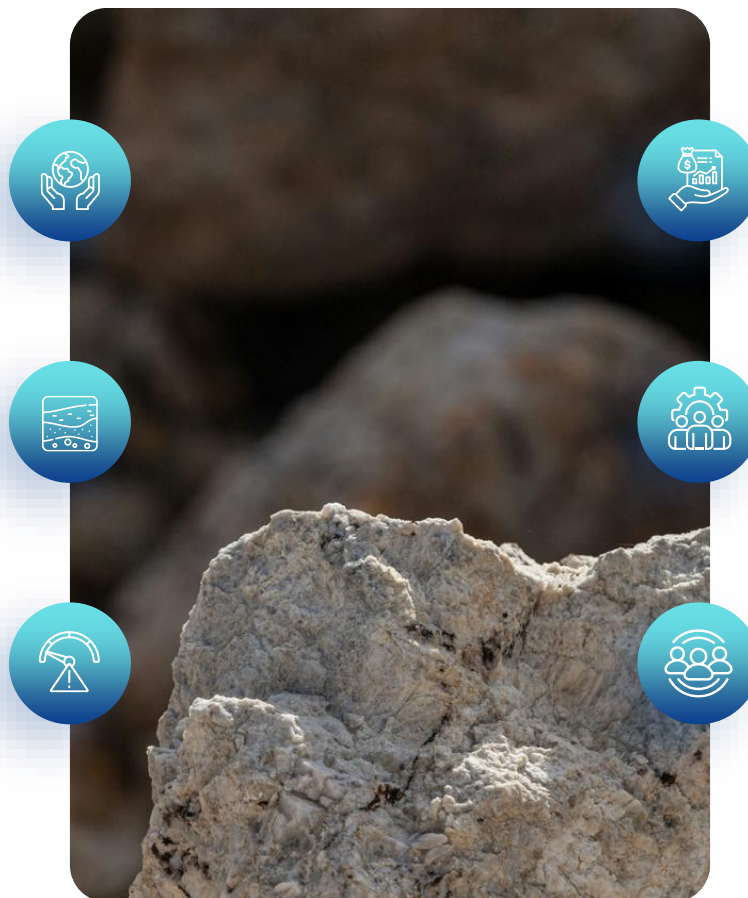
Cautionary Statement on Visual Estimates: This presentation references visual observations and estimates of mineralisation. The Company emphasises the inherent uncertainty associated with reporting visual results. Visual estimates of mineral content should not be considered a substitute for laboratory analyses, which are essential for determining concentrations or grades of economic significance. Additionally, visual estimates do not account for potential impurities or deleterious physical properties that could impact valuation. The mere presence of pegmatite rock does not confirm the existence of lithium, caesium, or tantalum (LCT), cassiterite mineralisation. Laboratory chemical assays are necessary to accurately determine the grade and economic potential of the mineralisation.

WHY PERPETUAL?

High impact, low cost,
bottom of the cycle
investment

Optimal geological setting with
nearby producing mines -
significantly enhances the
likelihood of success

Low-risk, mining-friendly, highly
strategic jurisdiction



High-grade mineralisation at
surface - never been drilled

In-country team and
experienced management

Supportive local communities

LOCAL FIELD TEAMS



PROJECT PORTFOLIO

Rare earths

Caldeira Complex

Host to some of the highest-grade ionic absorption Rare Earth deposits in the world.

Established projects



Lithium & Tin

Lithium Valley

Compelling footprint in Brazil's "Lithium Valley", which hosts several Tier 1 spodumene projects.

Established projects



PROSPECTIVE ASSET BASE

01

Lithium

- **Extensive License Portfolio** – Multiple licenses with confirmed spodumene occurrences. High-Grade Lithium – **Assays exceeding 7.5% Li₂O** with scalable targets up to 2km in strike.
- **Prime Location** – Situated within Brazil's "Lithium Valley", one of the world's leading spodumene exploration regions.
- **Proximity to Production** – Licenses located <10km from multiple spodumene-producing mines, adjacent to Tier 1 explorers and producers.

02

Metals

- **High grade tin (>7% Sn, incl. 2,859 ppm Tantalum).**
- **High Grade Niobium (>50% Nb₂O₅)**
- Region known for globally-significant historical tin production.
- **Pegmatite system mapped up to 750m strike** and ready for drill testing.
- Coincident with **extensive artisanal workings** which have exposed numerous lithium bearing pegmatites.

03

Rare Earths

- Outstanding Maiden Drill Results:
- 5m @ 5,591ppm TREO (35% Nd+Pr)
- 12m @ 4,601ppm TREO (23% Nd+Pr)
- 7m @ 4,240ppm TREO (23% Nd+Pr)
- All holes ended in mineralisation.
- **Strategic Landholding** – Positioned within the world's leading and most prolific ionic clay REE complex.
- **Compelling Metallurgical Results** – Extremely high recoveries and confirmation of Ionic Adsorption Clay REE mineralisation.

RAPID PROJECT ADVANCEMENT

| | APRIL | MAY | JUNE* |
|-------------------------------------|---|---|---|
| IGREJINHA Lithium | TARGET REFINING Development of high potential drill targets based on multiple coincident data points | SITEWORKS LIDAR analysis and preparation for pre-drilling access, including access paths, drill pads and other infrastructure | DRILLING Drilling program underway on 5th June |
| RAPTOR Rare Earths | DRILL & MET PLANNING Development of infill, step out and deeper drilling program. Development of Stage 2 metallurgical program. | | DRILLING & MET Drilling program and Stage 2 Met Program planning for 2H |
| ITINGA Tin | FIELD WORK REVIEW Review of artisanal workings for sample location selection. | SAMPLING & MAPPING Commencement of detailed sampling (soil & rock) and geological mapping. | TRENCHING Comprehensive trenching program commences. |

THE BRAZIL ADVANTAGE

Established mining heritage and acceptance of mining as an essential element and enabler of modern life.



Unparalleled government support.



Exceptional permitting timeframes.



Proven development success.



Local, supportive supply chain initiatives.



Strong geopolitical advantages.



GLOBAL MINING COMPANIES:



CRITICAL MINERALS FOCUSED COMPANIES



LITHIUM VALLEY

PERPETUAL'S LITHIUM PROJECTS

Situated in Brazil's world-renowned Lithium Valley, Perpetual's areas cover 15,095 hectares across 15 licenses, adjacent and proximal to some of the largest lithium producers and developers globally, including:



SIGMA LITHIUM (\$767m CAD MC)

- Largest spodumene resource and reserve in Brazil
107 million tons @ 1.4% Li₂O
- Annual production scaled to 38,000 t LCE (Est. Q3 2025)¹



COMPANHIA BRASILEIRA DE LÍTIO

- Pioneers in the industrialization of lithium in Brazil
- 42,000t/yr @ 5.5% Li₂O at Mina da Cachoeira⁵
- Only company in Brazil transforming ore into chemical compounds such as lithium carbonate and hydroxide



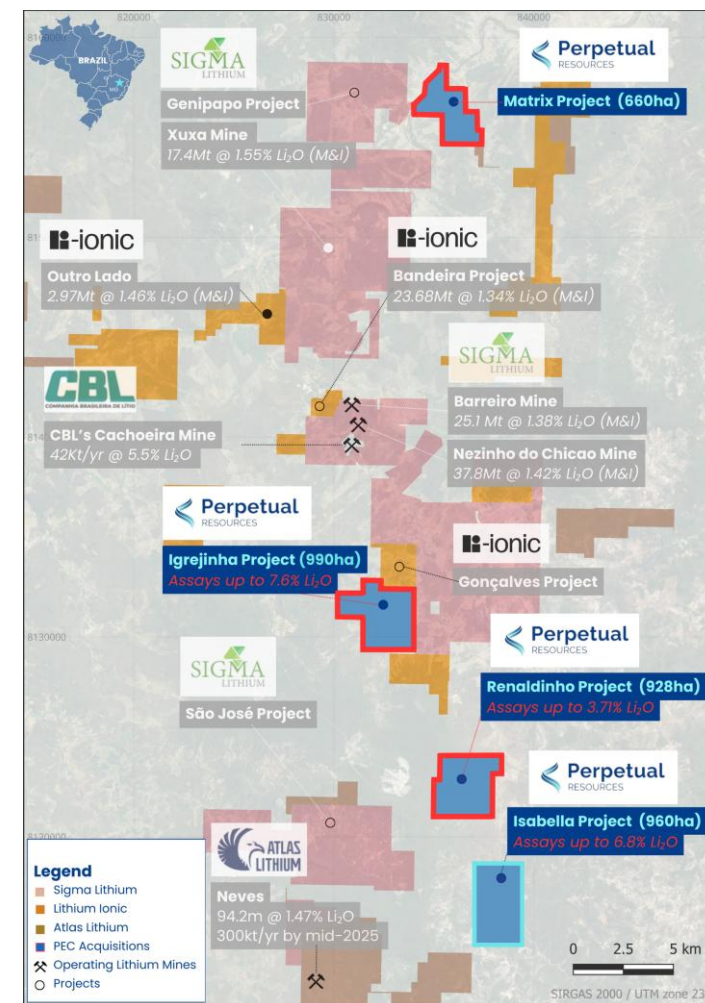
ATLAS LITHIUM ^{3,4} (\$73m USD MC)

- First Production scheduled for Q4 2025 at Das Neves
- Phase 1 targets 150,000tpa of battery-grade spodumene concentrate, with 120,000tpa off-take agreements in place. Intersection of 1.47% Li₂O over 95.2 meters was reported.



PILBARA MINERALS² (3.9b AUD MC)

- Salinas lithium project (2nd largest in Brazil)
- JORC Resource of 77.7 million tons @ 1.24% Li₂O
- Acquired from Latin Resources in Q1 2025.



Refer to ASX Announcement: Acquisition of Brazil Spodumene Project with up to 5% Li₂O on 24 July 2024.
Refer to ASX Announcement: Transformational Acquisition And Expansion in Lithium Valley on 19 February 2025
Refer to ASX Announcement: Spodumene and Caesium Extend Potential at Igrejinha on 24 April 2025

IGREJINHA LITHIUM PROJECT

High-Grade Assets in the Heart of Lithium Valley



Prime Location & Infrastructure

- 990-hectare site in Tier-1 Lithium Valley
- 8km from major producing mines near-term developers (CBL, Sigma, Lithium Ionic)
- Adjacent to operating and developing lithium projects (reducing execution risk)



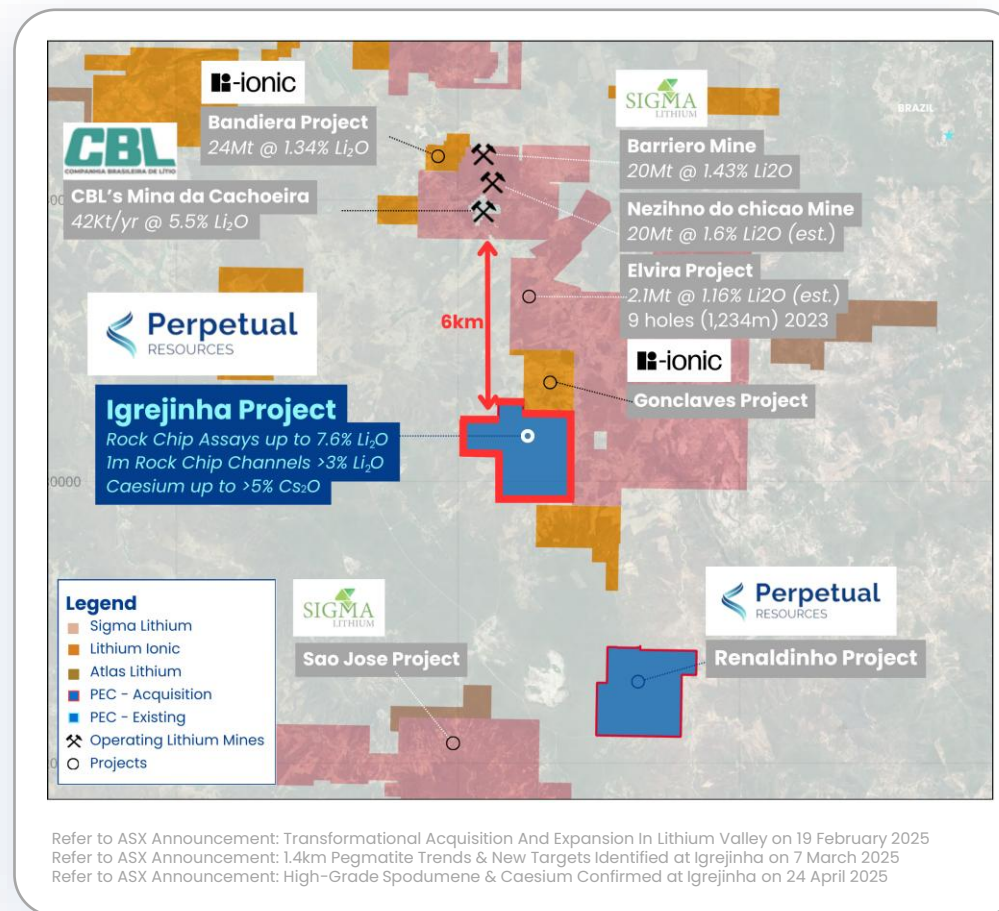
High-Grade Lithium mineralisation

- Rock chip assays: 7.6% Li_2O (exceptional high grade)
- 7.5% Li_2O , 7.4% Li_2O (multiple high-grade zones)
- 1m channel assays up to 3.26% Li_2O
- High grade Caesium >5.3% Cs_2O (Pollucite)



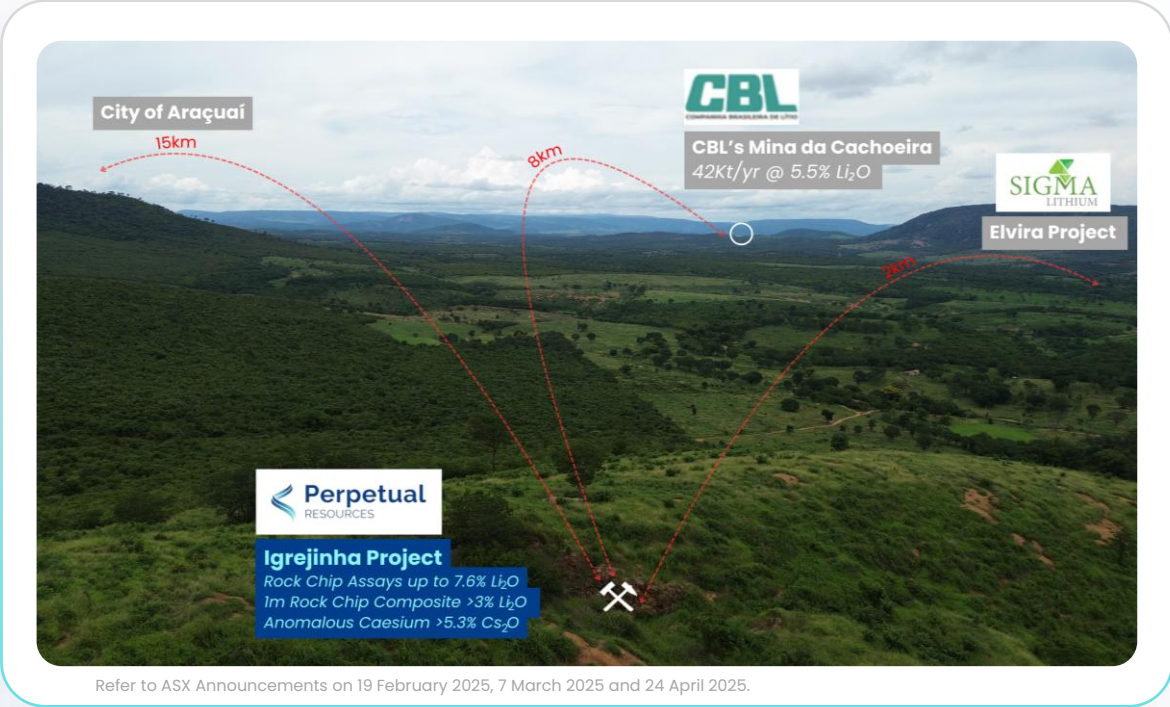
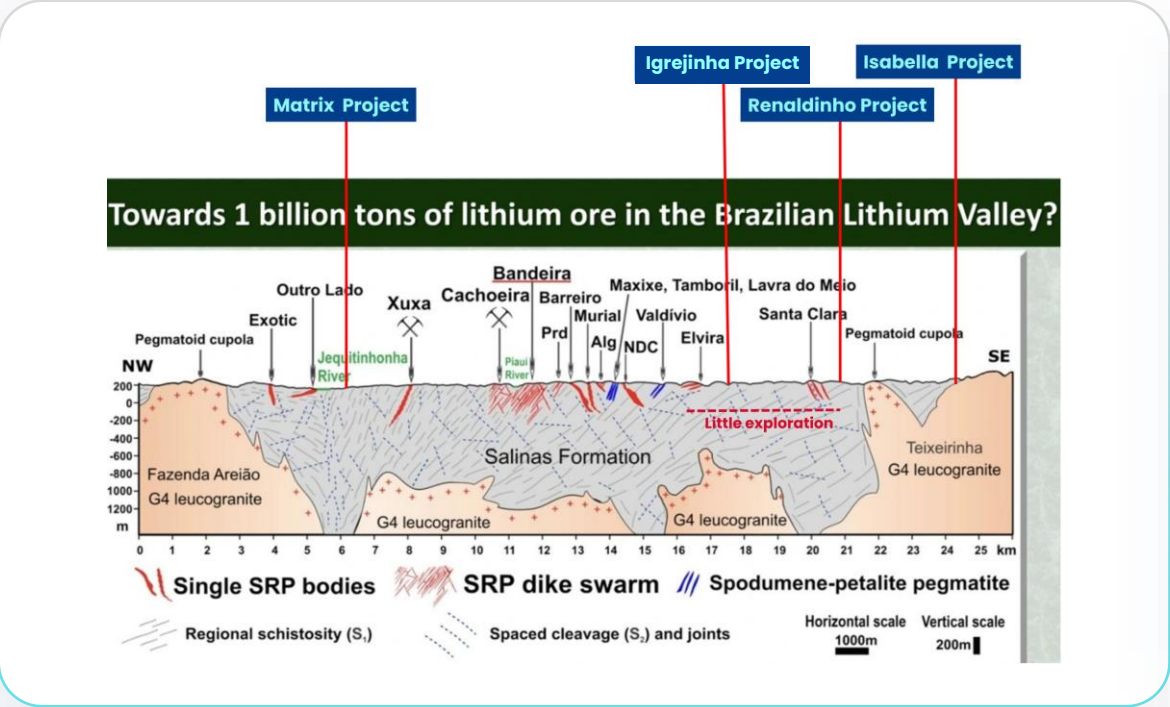
Scalability & Expansion Potential

- Significant 1.4km trends extending proven local mineralisation.
- Adjacent to Lithium Ionics's Gonçalves Project



REGIONAL PROSPECTIVITY

Repeated Proof of Concept & Prospective Corridor



EXPLORATION ORIGINS

Unexplained Topographic Anomalies



Topographic high align with spodumene-rich pegmatites (found in artisanal workings), confirming grades up to 7.6% Li_2O and caesium up to >5% Cs_2O .



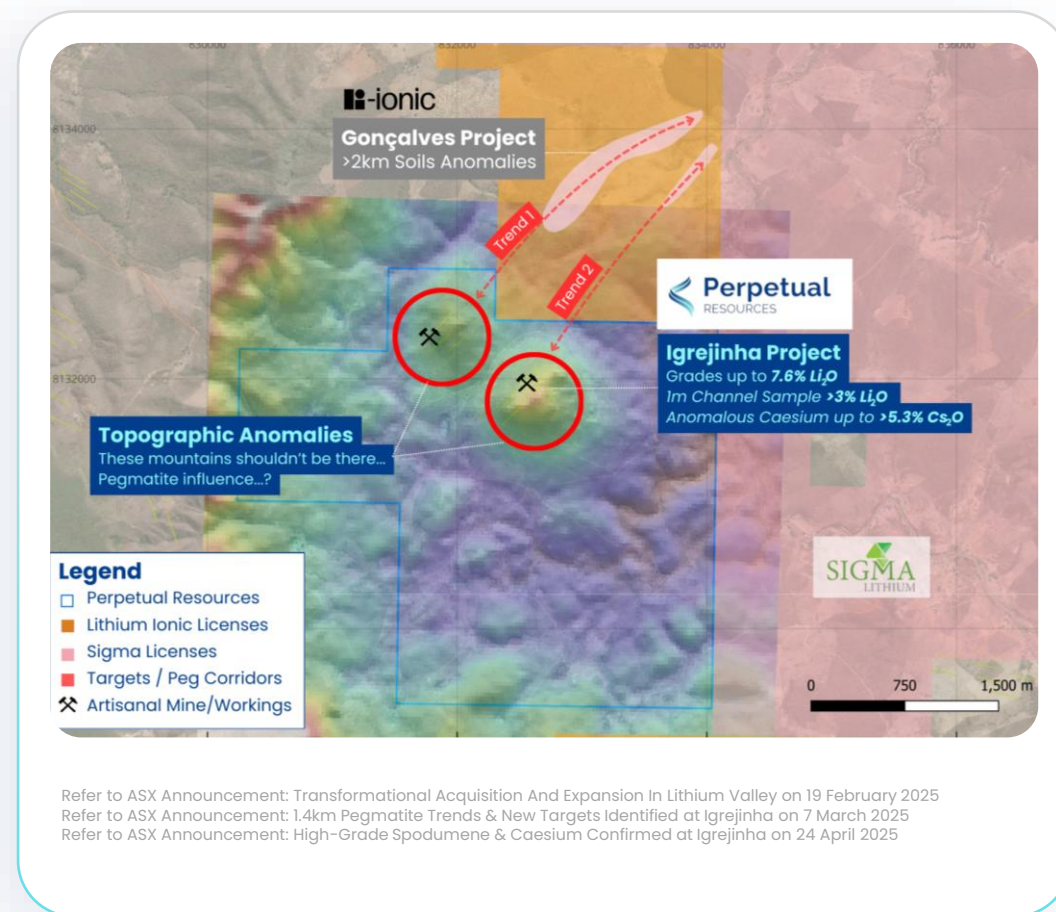
These unexplained anomalies suggest pegmatite influence, indicating structural control on lithium mineralisation.



A second, untested topographic high may represent a parallel mineralized structure, with similar potential for spodumene-bearing pegmatites.

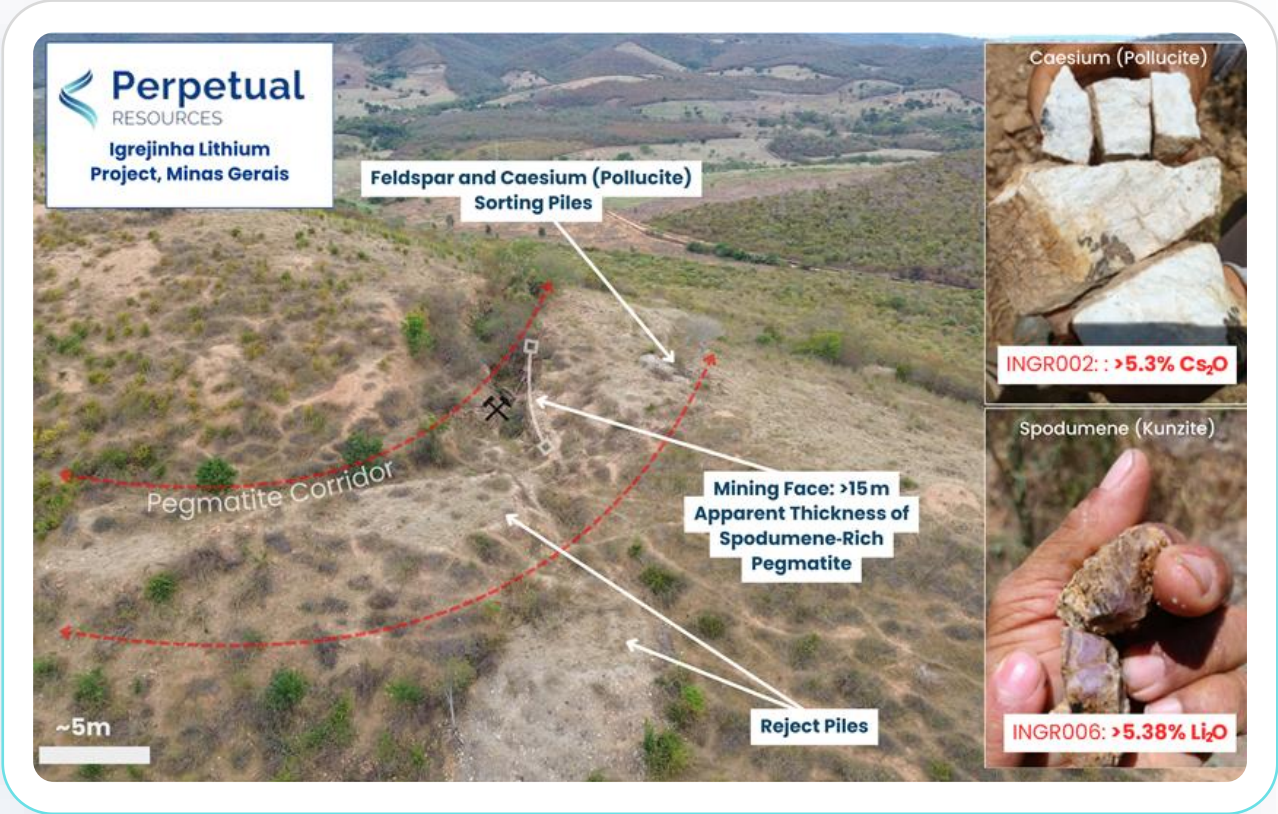


Artisanal workings further validate the prospectivity, supporting the need for targeted exploration and drilling.



EXPLORATION ORIGINS

Artisanal Workings



NEARBY DRILLING SUCCESS



Lithium Ionic Corp: Bandeira Project (8km from Igrejinha)¹

- 1.72% Li₂O over 53.7 meters, including 1.87% Li₂O over 39.5 meters
- 1.61% Li₂O over 11.2 meters.



Sigma: Xuxa Project (8km from Igrejinha)²

- 22.5 meters at 1.86% Li₂O (DH-Xuxa-72)
- 38.0 meters at 1.79% Li₂O (DH-Bar-40).



Atlas Lithium Corporation: Das Neves (<16km from Igrejinha)³

- 1.39% Li₂O over 64.7 meters, including 1.67% Li₂O over 22 meters
- 1.62% Li₂O over 20 meters.



Latin Resources: Salinas Project (50km from Igrejinha)⁴

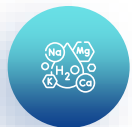
- 1.13% Li₂O over 27.6 meters, including 1.34% Li₂O over 9 meters.
- 3.34% Li₂O over 7 meters;
- 1.82% Li₂O over 25 meters.



Source: Sigma Lithium (<https://sigmalithiumresources.com/media-gallery/core-and-concentrate/>)

CONTEMPORARY EXPLORATION

Multispectral Analysis for Mineral Mapping of Pegmatite



Priority Target 1: Directly aligns with field samples, confirming spectral signatures of lithium minerals (primarily spodumene), independent of alteration zones—highlighting a strong mineralisation prospect.

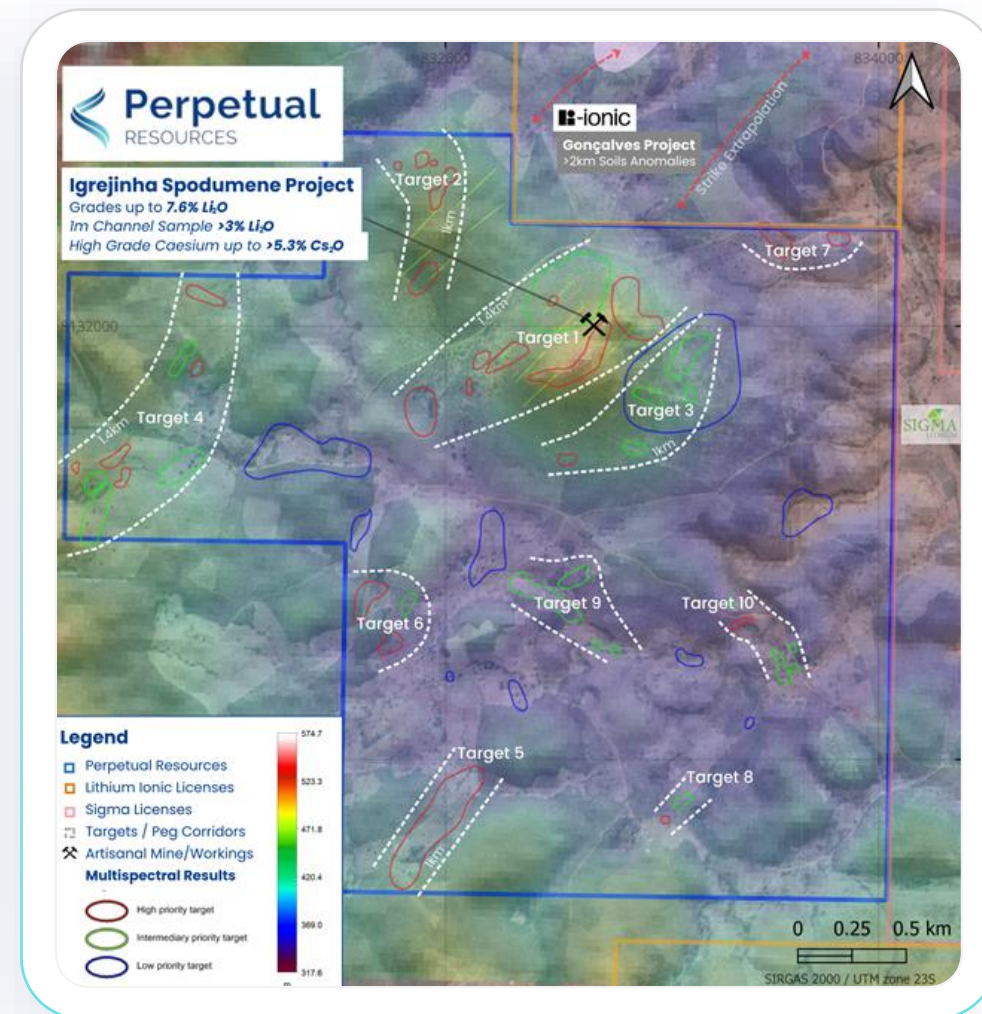


Priority Target 2: Exhibits spodumene-like spectral responses beyond the sampled area, expanding the exploration footprint and indicating untapped potential.

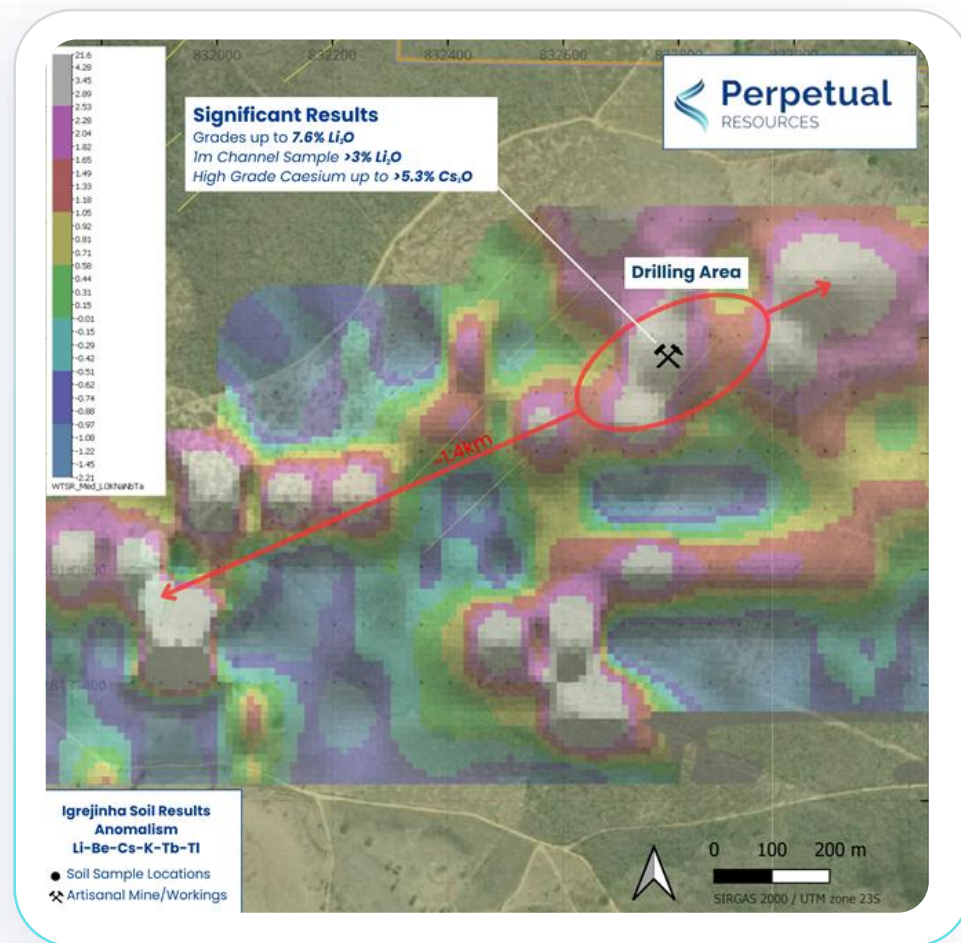


Priority Target 3: Closely associated with key alteration zones (Argillic, Phyllic, Mg-OH, Mafic Carbonate), suggesting a structurally controlled mineral system.

Priority Targets 1 & 2 aggregated into 10 significant target areas.



LEAD-IN DRILL ACTIVITIES



Significant data from pre-drill soil sampling & interpretation

>1.4 km Anomalous Soil Trend Confirmed

- ~220 soil samples & 17 auger holes (>1m depth) outline new target zones and subsurface mineralisation trends.

Guiding Maiden Drill Program

- Data used to refine drill targeting beneath high-grade surface zones.

Strong Geochemical Support

- Rock chips: up to 7.6% Li₂O, 5.3% Cs₂O
- Peak soils: 577 ppm Li, 168 ppm Cs, 12.6 ppm Ta, 1,029 ppm W

Trenching Underway

- Exposing subsurface extensions along key anomalous trends.

Assay-Guided Targeting

- Focusing along-strike from mapped spodumene pegmatite outcrops and high-grade rock chip zones

Anomaly-Led Expansion

- Using geochemical anomalies to prioritise step-out drilling and assess scale potential



Igrejinha Lithium
Project. MG, Brazil.

Significant Results

Rock Chip Assays up to 7.6% Li_2O
1m Rock Chip Channels $>3\%$ Li_2O
Caesium up to $>5\%$ Cs_2O

Trench

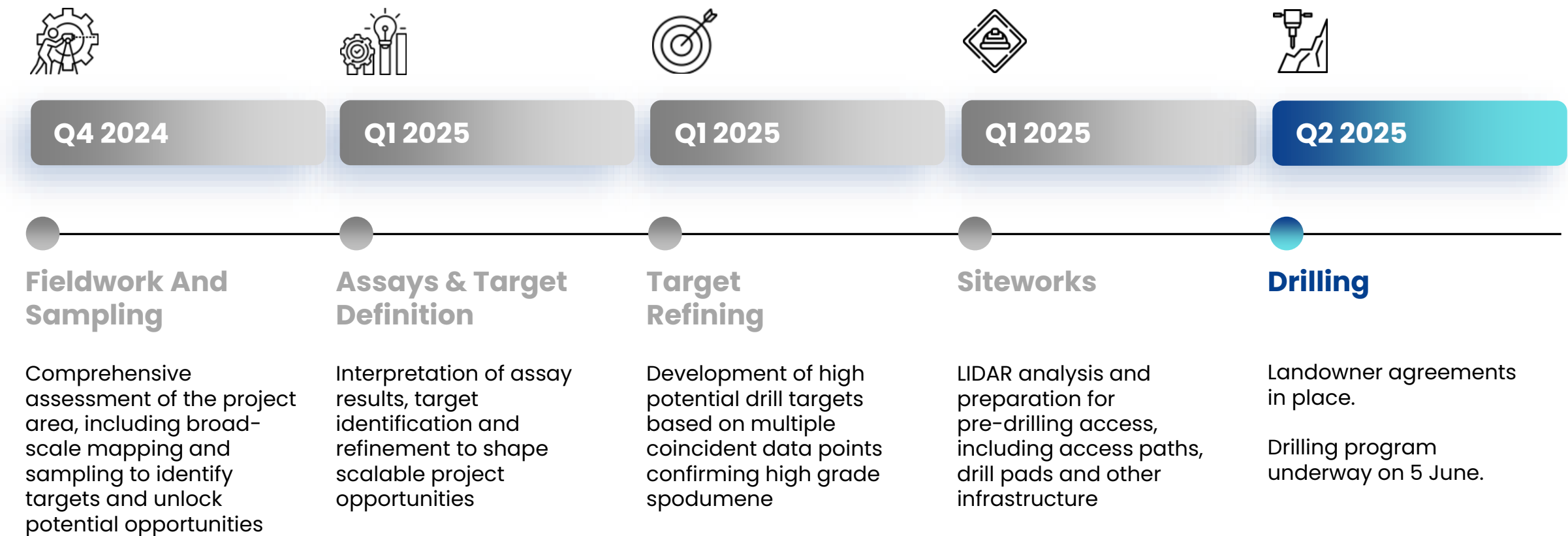
Trench

Pegmatite Corridor

Artisanal Haul Road

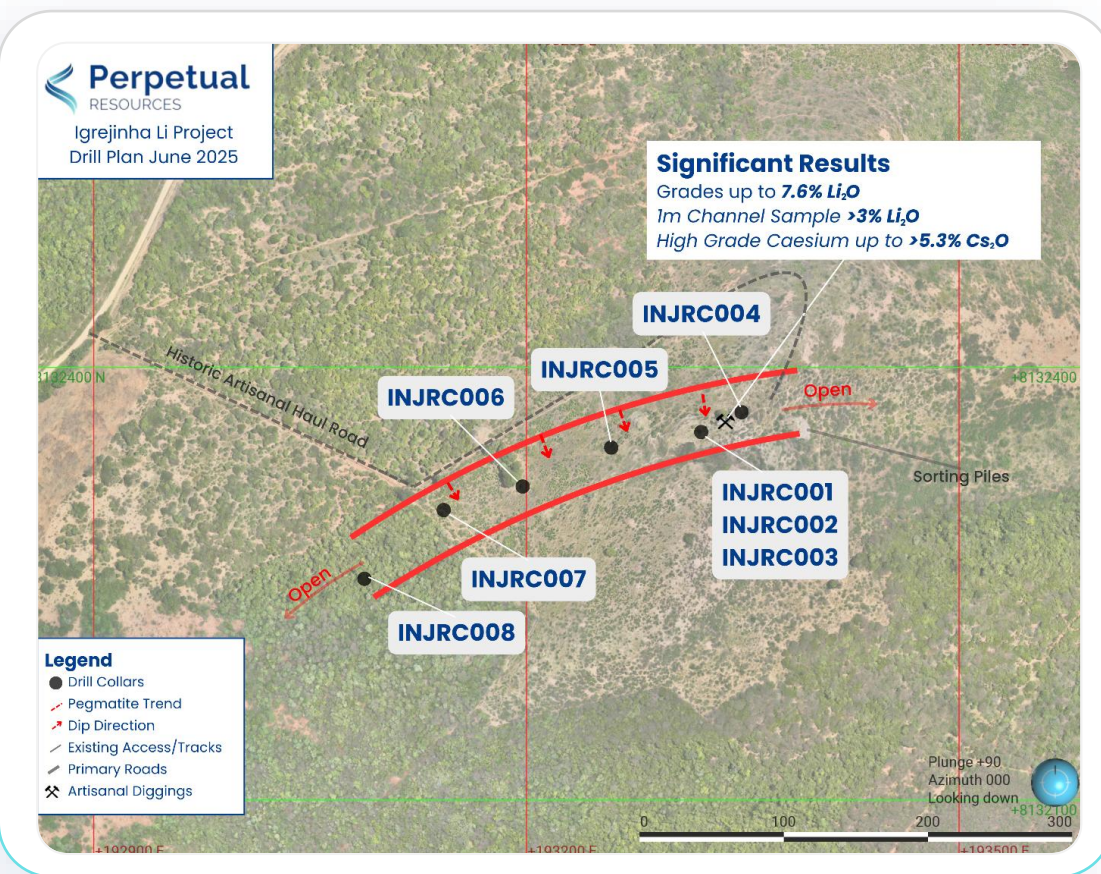


A SEAMLESS BUILDUP TO DRILLING



DRILL PROGRAM

To target strong anomaly



Maiden 1,500m RC drill program underway on 5 June.



Outcropping high grade spodumene to guide initial drill hole locations.



Recent soil and auger program has confirmed extended anomaly >1.4km in length



Highest priority targets confirmed through coincident geochemical, spectral, and geological indicators of mineralisation.

CONCLUSION



World Class Exploration Portfolio

- Handpicked for exceptional geological potential.
- Assets acquired at “bottom of the cycle” valuations.
- Enviably land position in tier-one jurisdiction and geological setting which maximizes shareholder value potential.



Premier Project Locations

- Strategically positioned in Brazil’s most prolific resource jurisdictions:
 1. Lithium: Situated in Brazil’s renowned “Lithium Valley”
 2. Rare Earths: Located in the Caldeira Alkaline Complex
 3. Tin: In a historically significant tin-producing region
- All projects are proximal to world-class, high-grade resources and active mining operations, reinforcing their potential for development and value creation



Imminent High Impact Catalysts

- Maiden lithium drill program underway on 5 June at Igrejinha, across multiple high potential targets.
- Upcoming trenching program focused on tin at Itinga, aiming to better understand the geology explaining the exceptional grades encountered.



Experienced Board And Leadership Team

- Proven track record in project execution and operations.
- Extensive expertise in funding and developing resource companies.
- Strong leadership with a history of investing in and guiding critical minerals ventures to success.



Strong Backing By Experienced Investors

- Board members are among Perpetual’s largest shareholders, ensuring strong alignment with investors.
- Consistent insider support in capital raisings, reinforcing confidence and commitment.
- Recognized critical minerals investors hold substantial positions, underscoring the company’s strong market appeal.

THANK YOU

Perpetual Resources Ltd
Suite 2, 68 Hay Street.
Subiaco WA 6008

Julian Babarczy, Executive Chairman

info@perpetualresources.co

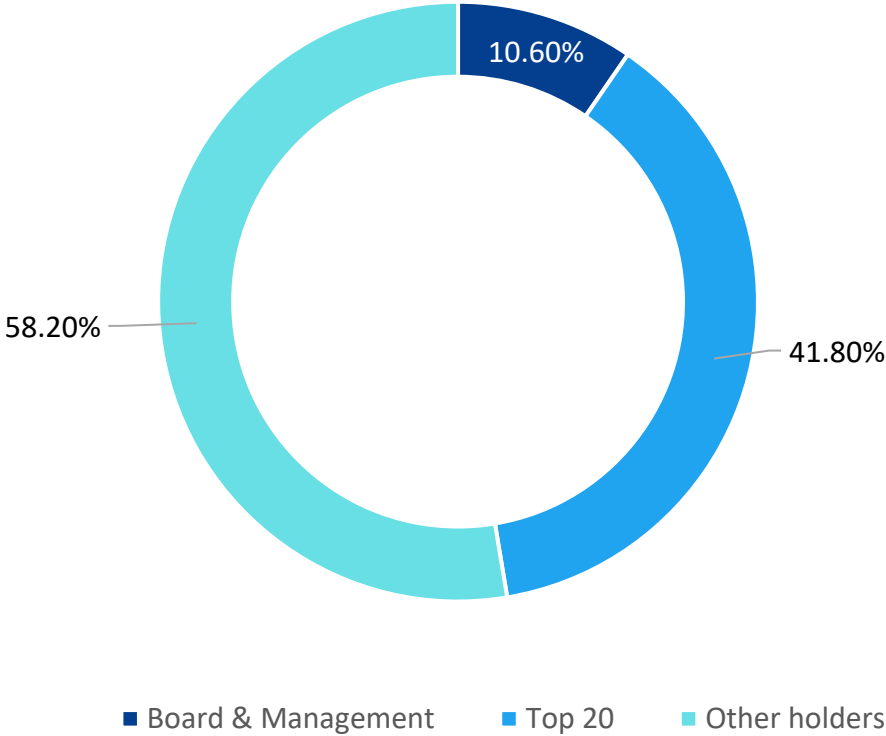
Perpetualresources.Co

CORPORATE SNAPSHOT

As of 3 June 2025

| ASX CODE | PEC |
|--|---------|
| Share Price | \$0.012 |
| Ordinary Shares | 873.2m |
| Market Capitalisation | \$10.5m |
| Performance Rights | 50.5m |
| Options (strike prices \$0.025 – \$0.06) | 40m |

Shareholders



BOARD OF DIRECTORS



JULIAN BABARCZY
Executive Chairman



ROBERT BENUSSI
Executive Director



RAFAEL MOTTIN
Non-Executive Director



NICHOLAS KATRIS
Company Secretary



Allan Stephens
Exploration Manager



Vinicius Theobaldo Jorge
Geologist – Brazil



Harrison Cookenboo
Experienced Geologist



Flávia Compass PhD
Consultant – Brazil



Karl Weber
REE Specialist

COMMITMENT TO ESG

Sustainable Development

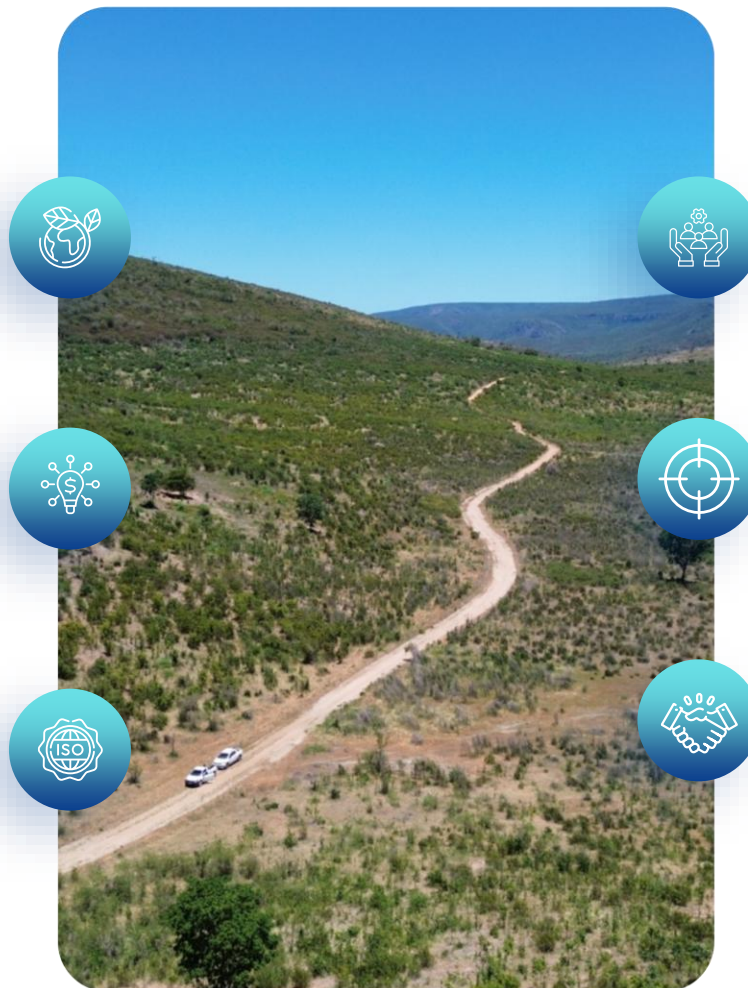
Integrate environmental and social considerations into decision-making to support long-term success and growth.

Value Creation:

Strive to enhance value for shareholders and stakeholders through responsible and sustainable business practices.

Adherence to Industry Standards:

Implement best practices in governance and operational processes to maintain excellence and integrity.



Environmental Stewardship:

Uphold the highest standards of environmental management to minimize our impact and promote sustainability.

Focus on Social Responsibility:

Engage with communities and stakeholders to ensure positive social outcomes and foster trust.

Long-Term Commitment:

Committed values from start to finish of project.