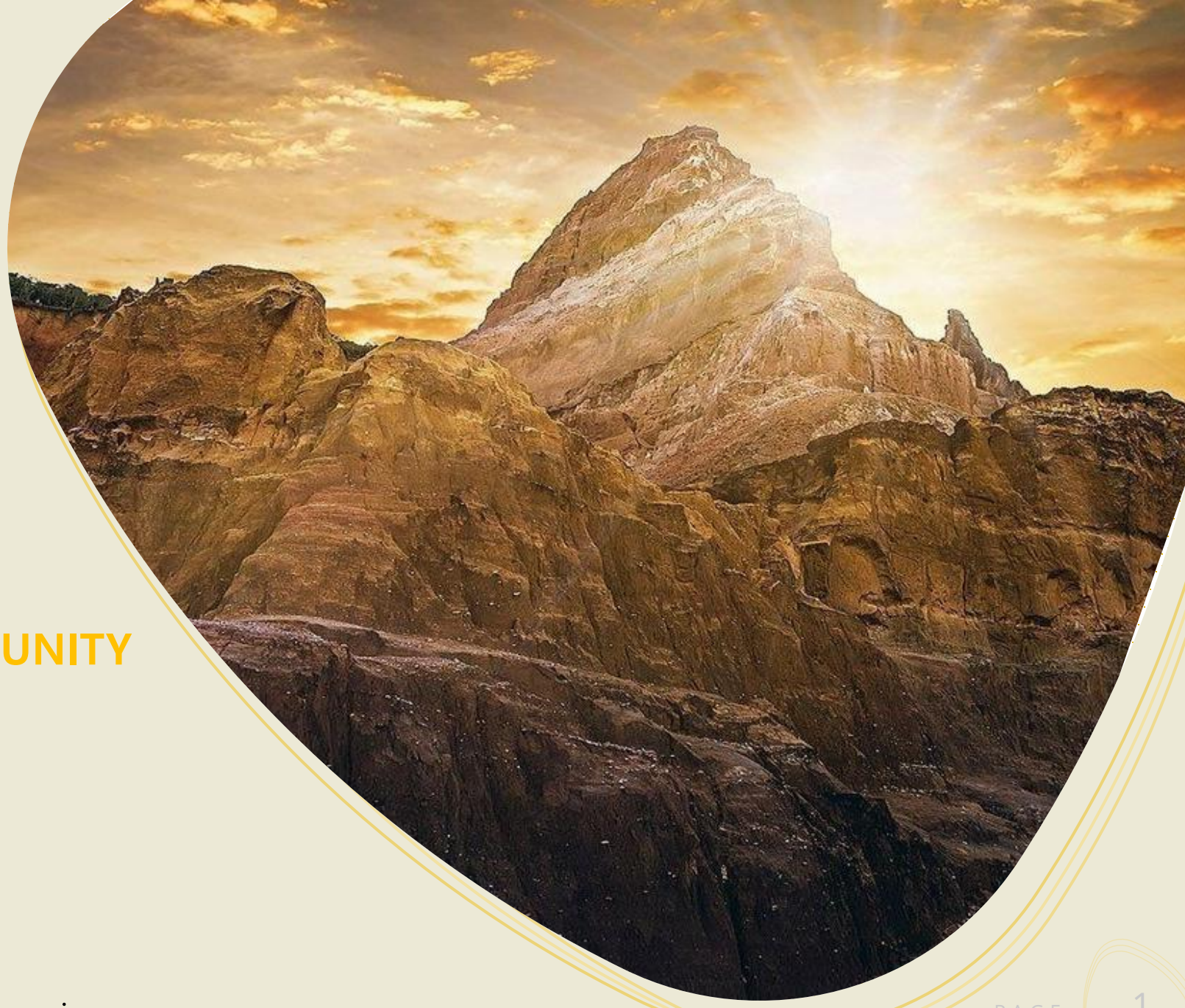
ORIGEN RESOURCES



RARE EARTHS BEGIN HERE.
ORIGINATING NEW OPPORTUNITY IN BRAZIL AND BEYOND.

FORWARD LOOKING STATEMENT

Investors are cautioned that, except for statements of historical fact certain information contained in this document includes "forward-looking information", with respect to performance expectation for Origen. Such forward-looking statements or information, including but not limited to those with respect to its exploration projects, including the acquisition, prices, metallurgical results and resource estimates, involve known and unknown risks, uncertainties, and other factors which may cause the actual results, performance or achievements of the Company to be materially different from any future results, performance or achievements expressed or implied by such forward-looking statements or information.

Forward-looking statements include without limitation, statements regarding the company's plans, goal or objectives and future exploration results, development programs, capital and operating costs, potential mineralization, resources and reserves, and future plans of Origen Resources Inc.. Forward looking statements can generally be identified by the use of forward-looking terminology such as "may", "will", "expect", "intend", "estimate", "anticipate", "believe", or " continue" or the negative thereof or variations thereon or similar terminology. There can be no assurance that such statements will prove to be accurate and actual results and future events could differ materially from those anticipated in such statements. Important factors that could cause results to differ materially from expectations include risks associated with mineral exploration generally and pre-development stage projects in particular.

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The technical information in this presentation has been reviewed and approved by John Harrop, P.Geo., a Qualified Person as defined by National Instrument 43-101 on April 27, 2026. Mineralization on adjacent Properties may not be indicative of Origen Resources' Properties

COMPANY SNAPSHOT

Rare Earth Exposure in Brazil's Emerging REE Belt
Supported by growing demand for critical mineral supply

Brazil Focus	Data-Driven Targeting	Portfolio Optionality
• 76,479+ ha • 25 target areas • Ionic Clay style & phosphate hosted REE's • Bahia & Piauí, Brazil • Emerging REE belt • First-mover positioning	• Disciplined exploration approach • Government & Academic databases • Exploration supported by experienced Brazilian technical collaborators	• 100% owned Wishbone gold-silver project in B.C.'s Golden Triangle • Argentina lithium exposure • Equity interests in Kingfisher Metals and Equity Metals • Southern B.C. precious and critical mineral assets

Positioned for Discovery and Partnership-Driven Growth
Combining early access to Brazil's emerging REE belt with a proven, multi-jurisdiction project generator model.

EXPERIENCED TEAM WITH EARLY-STAGE DISCOVERY & BRAZIL REE EXPERIENCE

Origen's leadership and technical network have a history of identifying overlooked exploration opportunities before broader market recognition. (Los Azules Copper- McEwan Mining, Snap Lake Diamonds-Anglo American (DeBeers), Mariana Lithium project- Ganfeng Lithium)

Brazil partners bring direct rare earth experience, including involvement in advancing one of Brazil's first recent REE operations into production.

Combined expertise spans exploration, project generation, critical minerals, geochemistry, metallurgy, and Brazil's regional geological setting.

MANAGEMENT

Gary Schellenberg, B.Sc.
CEO, Chairman and Director

40+ years experience in mineral exploration and venture markets. Founder of Coast Mountain Geological and former Director of Kodiak Copper; founding Director of Winspear Resources (Snap Lake discovery, later operated by De Beers) and has held numerous other board positions with junior explorers.

António Silva, Ph.D., MIMMM
Director

Dr. Silva is a geoscientist with expertise in critical raw materials, spanning mining geology, geochemistry, mineral processing, and extractive metallurgy. He has worked on hard-rock lithium, gold, and industrial mineral projects and brings valuable technical and regional experience across South America and Europe to Origen's board.

Geoff Schellenberg, B.Comm.
Director

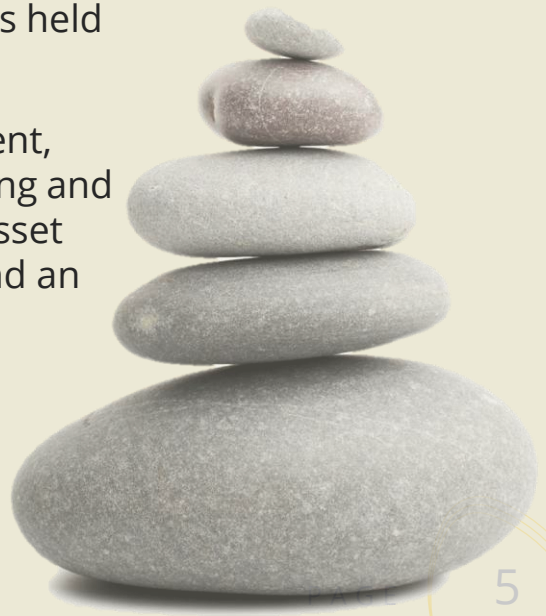
+20 yrs experience in mineral exploration and project management. Currently President of Coast Mountain Geological, overseeing exploration programs for clients ranging from junior explorers to major mining companies, and has held other board positions with junior explorers.

Paul Chung, B.Sc.
Director

Accomplished executive with extensive experience in project management, international negotiations, and public markets. Co-founder of Luca Mining and former Director of Patriot Battery Metals, with a strong background in asset acquisition and strategic planning. Holds a B.Sc. in Geology from UBC and an MBA in IT from Athabasca University.

Lawrence Cheung, CPA
CFO

CFO of Origen and Controller at Malaspina Consultants, providing financial reporting and regulatory services to public and private companies. Former Senior Associate at PwC with expertise in IFRS, ASPE, and US GAAP. Holds a B.Com. in Accounting from UBC Sauder and is a CPA in British Columbia.



SHARE STRUCTURE

As of April 27, 2026

Shares Outstanding:	69,930,154
Outstanding Options:	3,825,000
Outstanding Warrants:	11,888,750
Fully Diluted	85,643,904

Over 50% held by Management and Insiders

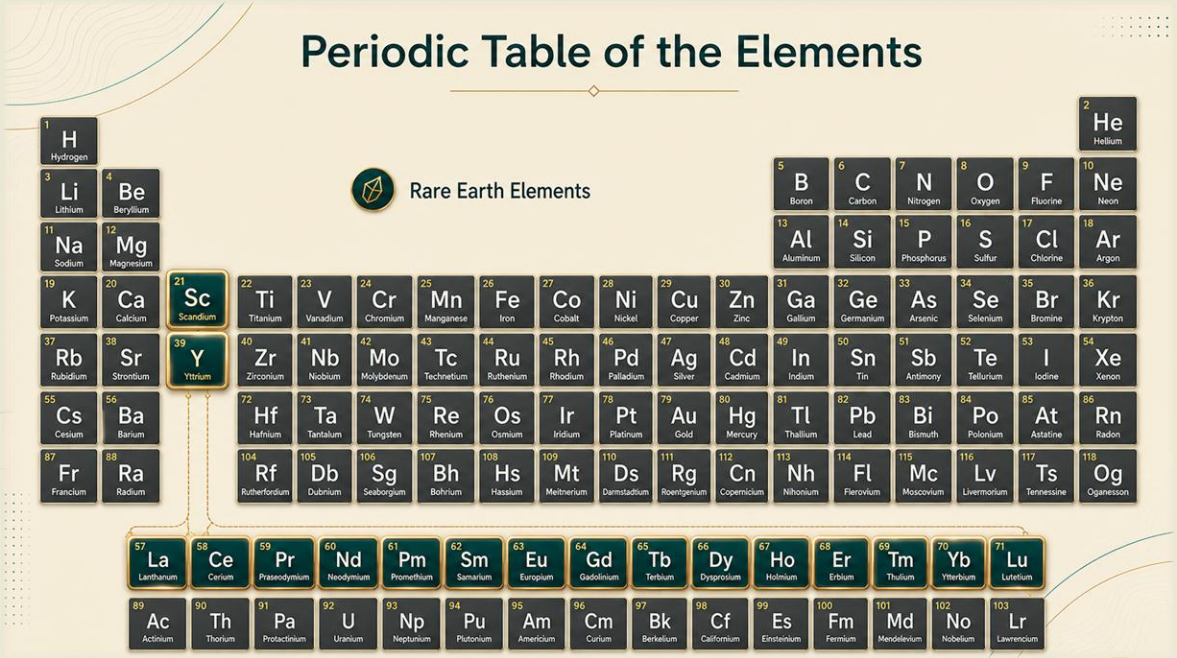
RARE EARTHS: STRATEGIC MINERALS WITH GROWING WESTERN SUPPLY CHAIN DEMAND

ORIGEN RESOURCES

REEs are essential for magnets, EVs, wind turbines, electronics, and defense technologies.

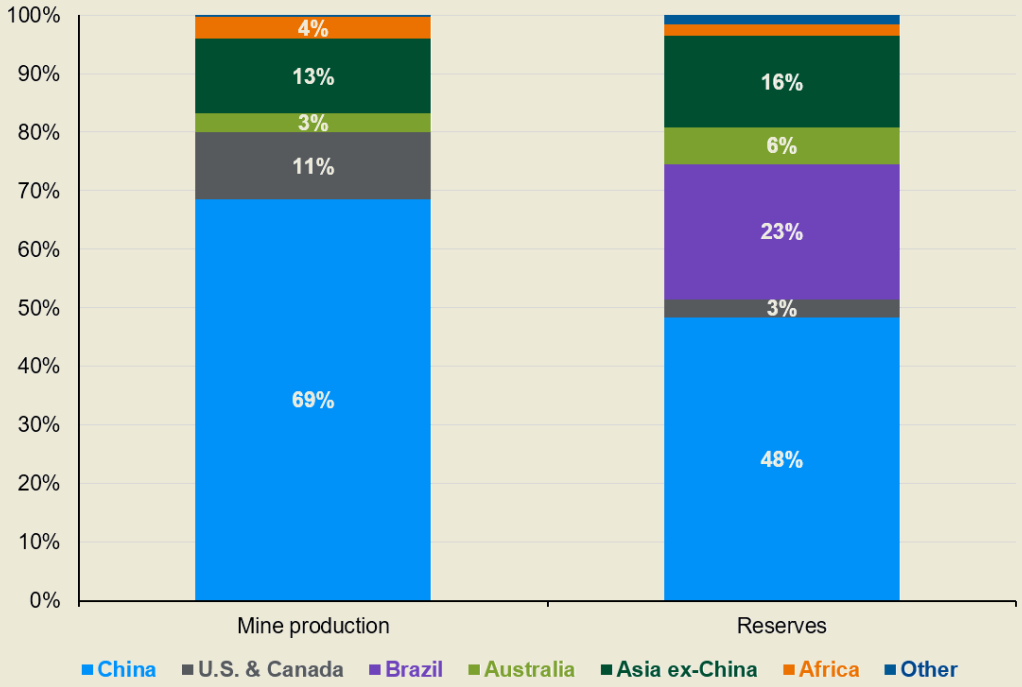
Global supply remains heavily concentrated, creating demand for new non-Chinese sources.

Heavy rare earth elements are particularly important for clean energy and national security applications.



WHY BRAZIL: REE ENDOWMENT, LIMITED EXPLORATION

% of Total Production and Reserves, 2024



Source: U.S. Geological Survey Mineral Commodity Summaries 2025, J.P. Morgan Asset Management. Figures are estimates due to a lack of data availability in some countries. Mine production for China is based on production quotas and does not include undocumented production.

Global-Scale Resource Potential
Brazil hosts the world's second-largest known rare earth reserves, estimated to represent roughly one-quarter of global supply potential

Underexplored Opportunity
Despite its scale, large parts of Brazil remain underexplored for rare earth elements, particularly in the northeastern states of Bahia and Piauí.

Emerging Rare Earth Discoveries
Recent government and geological survey work has identified new REE occurrences, confirming the potential for additional district-scale discoveries.

Supportive Jurisdiction for Critical Minerals
Brazil benefits from an established mining sector, strong infrastructure, and a transparent regulatory framework conducive to foreign investment and exploration activity.

Strategic Alignment with Global Supply Priorities
As industries and governments seek diversified sources of rare earths, Brazil is emerging as a key jurisdiction positioned to contribute to future critical mineral security.

DISTRICT-SCALE LAND POSITION IN EMERGING REE PROVINCES

- **District-Scale Footprint**
  Controlling over 76,479 hectares across the states of Bahia and Piauí, providing broad exposure within an underexplored rare earth belt.

- **Strategic, Data-Led Targeting**
  Project areas were selected through the integration of regional geological datasets, government and university studies, vendor sampling, and innovative partner-led targeting work that applied multiple independent data sources in an underexplored region.

- **Diverse Target Potential**
  Exploration targets include phosphate-hosted, HREE-enriched systems and ionic adsorption clay-style REE mineralization, both aligned with globally relevant deposit models.

- **Regional Discovery Leverage**
  The large, contiguous land position offers multiple target zones and optionality as exploration advances in a growing rare earth district

EARLY WORK SUPPORTS MULTIPLE RARE EARTH TARGETS

Project areas were selected using government, university, vendor, and regional geological datasets to identify prospective REE targets.

Piauí vendor sampling returned **1.61% TREO ex-Y**, including **20.5% HREEs**, with additional float samples returning **0.19%–0.32% TREO**.

Field due diligence confirmed **phosphate-rich beds, distinctive phosphate nodules, and bedding** in priority areas.

Gamma spectrometry and XRF were used in the field to help prioritize prospective sites for follow-up work.

In **Bahia** on the Campo de Cima project a 4x6 km anomalous REE target area has been identified in clay and soils.

UNDERSTANDING THE EXPLORATION MODEL

Phosphate Rich Beds Investigated During Field Program

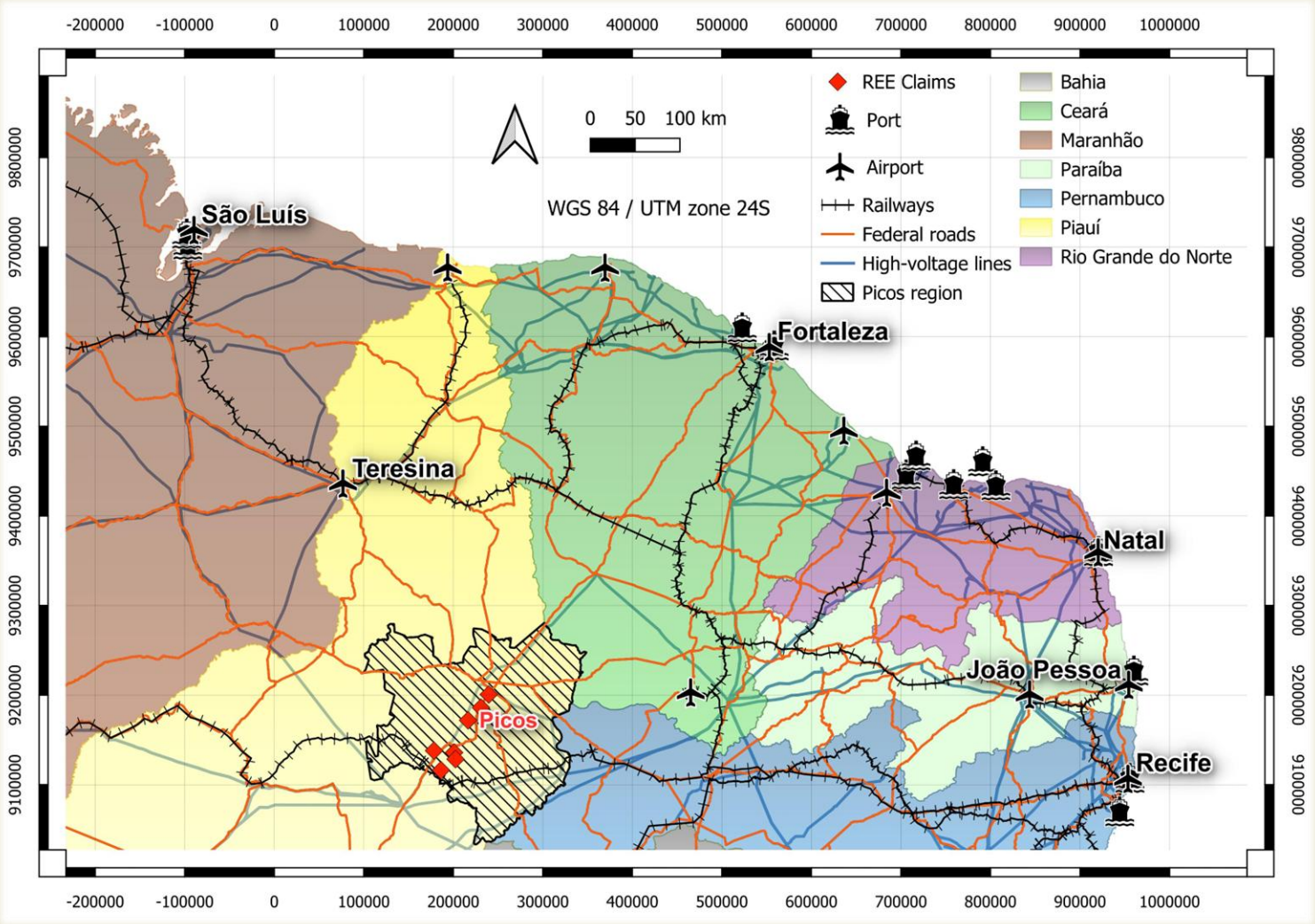
Origen is evaluating 2 main REE target types across the Brazil portfolio.

Phosphate-hosted REE targets:
Phosphate-rich beds may host elevated rare earth elements, with high proportion of heavy rare earth elements.

Ionic adsorption clay-style potential: A globally important deposit model for heavy rare earth elements occurring near surface.

The current work program combines detailed mapping, sampling and airborne geophysics to help trace phosphate-bearing beds across the property and prioritize areas for follow-up exploration.

STRATEGIC REE CLAIM POSITION NEAR ESTABLISHED INFRASTRUCTURE



Origen's REE claims are located near Picos, Piauí, within an accessible regional infrastructure corridor

The project area benefits from proximity to federal roads, railways, airports, and high-voltage transmission lines

Nearby infrastructure may support future exploration access, logistics, power availability, and potential project development planning

NEAR-TERM EXPLORATION PLAN

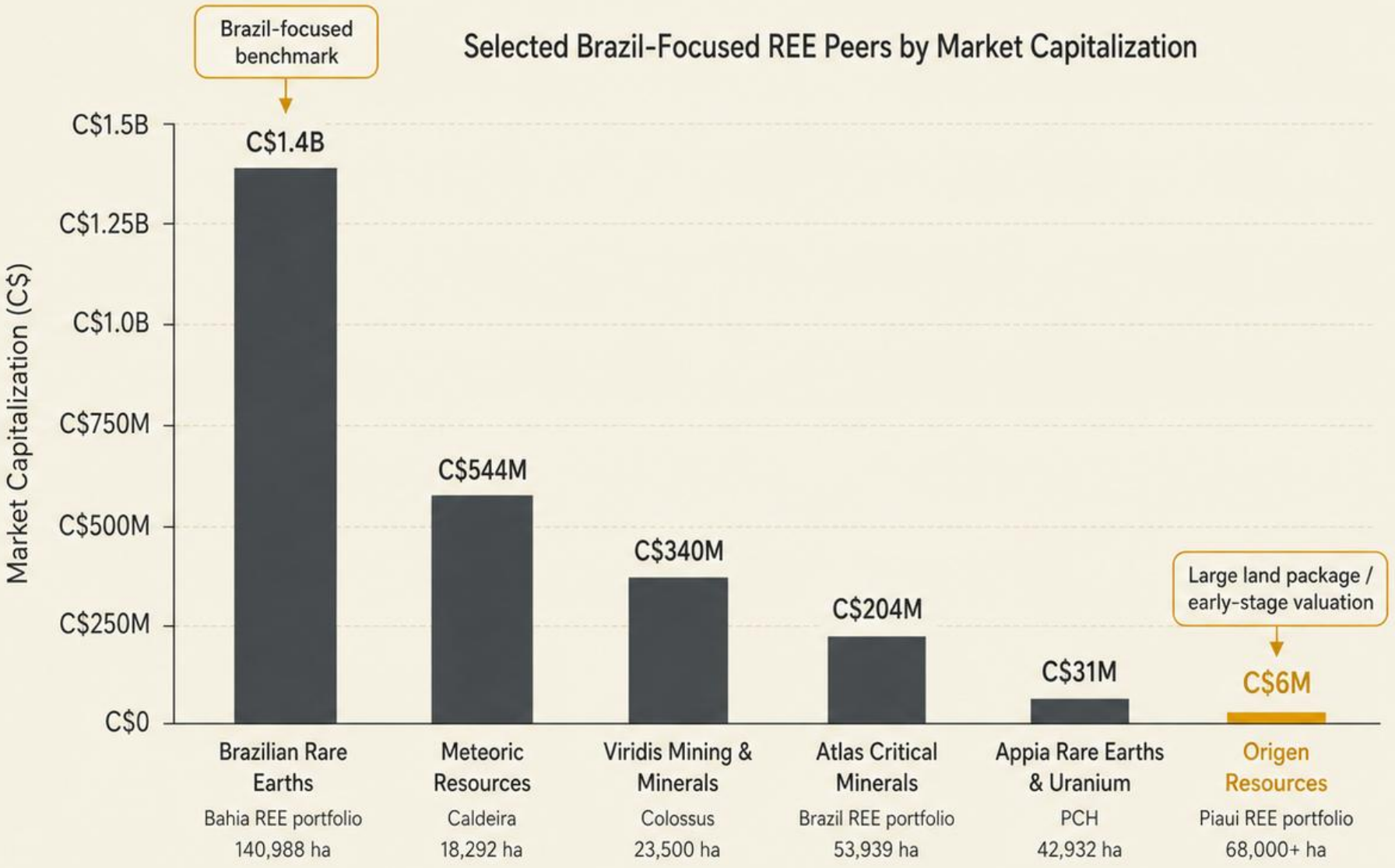
Confirmation mapping and sampling is underway for a 4 x 6 km anomalous REE target area in Bahia, pending completion of Campo de Cima due diligence

Regional airborne radiometrics over the Picos claims to trace phosphate bed signature in the Picos target area.

Detailed mapping and sampling of the initial Picos prospect to characterize and establish surface dimensions

Target ranking to guide the next phase of field work.

Peer Comparatives: Brazil-Focused Rare Earth Valuations



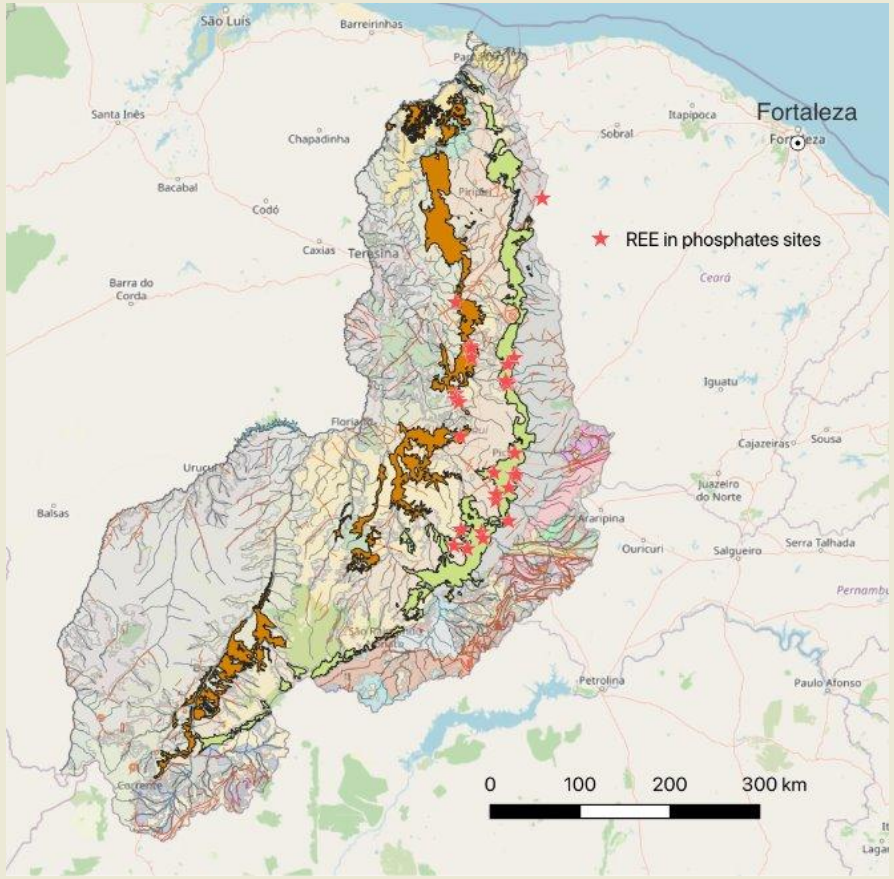
Brazil REE Peer Valuations Highlight Origen's Early-Stage Leverage

- Brazilian Rare Earths provides a relevant Brazil-focused benchmark at approximately C$1.4B.
- Selected Brazil-focused REE peers with 18,000–54,000 ha land packages are valued from approximately C$31M to C$544M.
- Origen controls 68,000+ ha in Piaui, giving it one of the larger land positions among selected Brazil-focused peers.
- At approximately C$6M, Origen offers early-stage valuation exposure to a district-scale REE opportunity in northeastern Brazil.

Source: company disclosures and user-provided peer table. Market caps shown in approximate C$ values. *Market values early May 2026.*

WHY PHOSPHATES MATTER FOR REE EXPLORATION

REE Showings in Phosphates in Piaui as Mapped by SGB (Brazil Geological Survey)



- Phosphates deposited during the Devonian Period are uniquely anomalous in REEs
- Initial results from Picos show a much higher proportion of HREE than Mountain Pass, the only REE producer in the United States
- HREEs are essential for their importance in clean energy and national security technologies
- Devonian Phosphates like those present on the Picos REE project are also a potential source rock for Ionic Adsorption Clay Deposits
- Emerging important REE source due to potentially simpler extraction, lower cost and higher HREE percentage

OTHER PROJECTS

AVAILABLE FOR OPTION

Golden Triangle

Wishbone: Drill permitted, 3,941 ha project adjacent to Galore Creek. 9km trend along series of gold and silver rich targets. Samples of 8.5 ppm gold in soil and [1]grab samples of up 202.6 ppm in rock.

Southern BC

Broken Handle: 2,098 ha historical mine - high-grade precious and base metals located 50 km north of Grand Forks.
Bonanza Mountain: 100% interest in 1,604 ha historically mined high-grade precious and base metal project located 20 km north of Grand Forks.

Argentina Lithium

Los Sapitos, Argentina: The 27,000 ha project is a new brine and clay lithium exploration target within a prospective tectonic corridor in northern San Juan province.

[1]Grab samples are by definition selective. Grab samples are solely designed to show the presence or absence of mineralization, and are not intended to provide nor should be construed as a representative indication of grade or mineralization at the Project.

[2] Referenced nearby historic resources, deposits and mines provide geologic context for the Project, but are not necessarily indicative that the Project hosts similar potential, size or grades of mineralization.

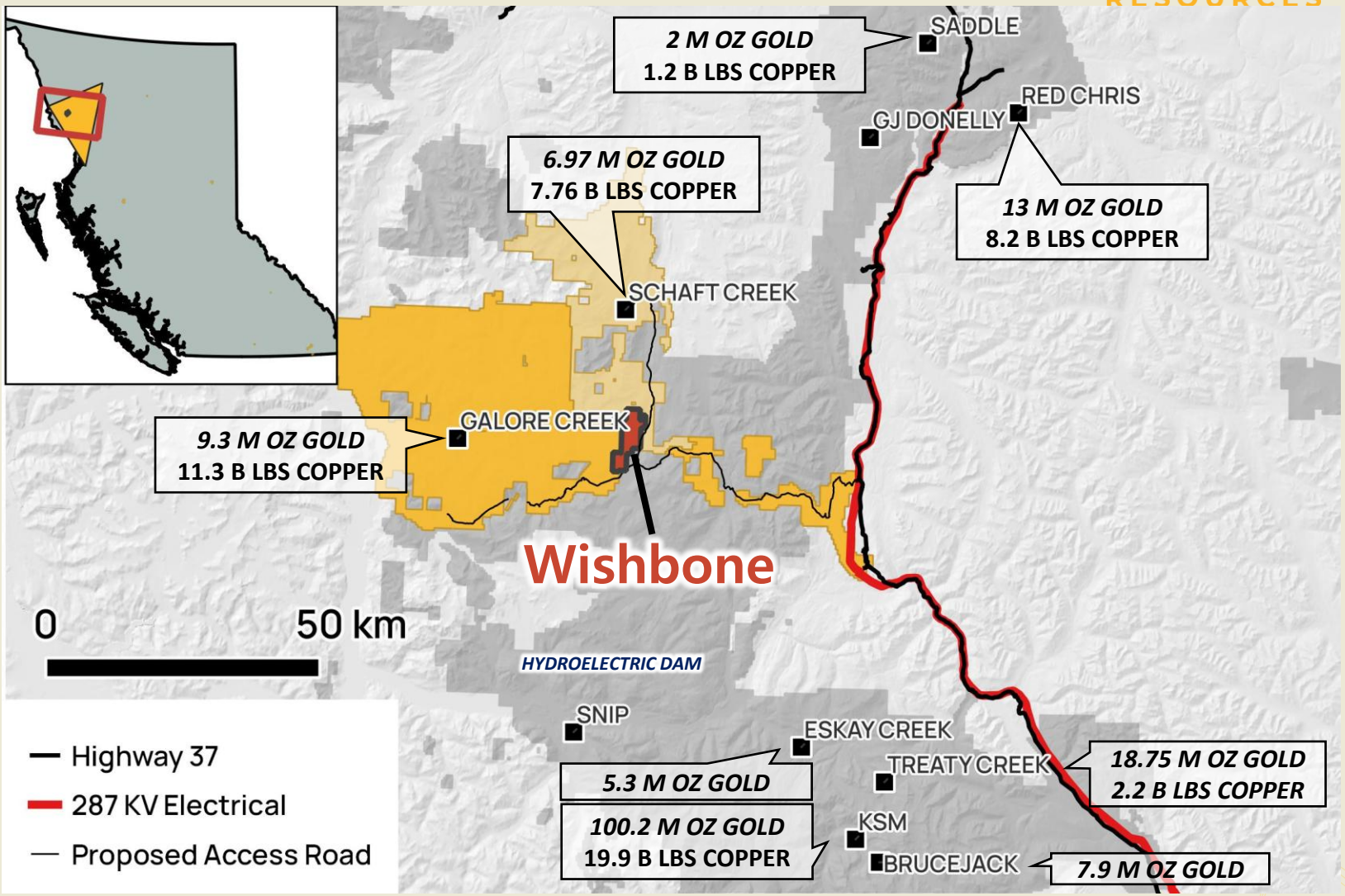
GOLDEN TRIANGLE WISHBONE

British Columbia Targets Redefined

Major Resources (Measured and Indicated) Within 75km of the LGM and Wishbone Claims

Deposit	Copper (Blb)	Gold (Moz)	Ag (Moz)
KSM	*19.9*	*100.2*	*426.9*
TREATY CREEK	*2.18*	*18.75*	*112.4*
RED CHRIS	*8.2*	*13*	
GALORE CREEK	*11.3*	*9.259*	*149.8*
SCHAFT CREEK	*7.76*	*6.97*	*54.26*
BRUCE JACK		*7.9*	*21*
ESKAY CREEK		*3.9*	*101*
SADDLE	*1.8*	*3.47*	*7.6*
TOTAL	**51**	**163**	**873**

References: KSM : Seabridge (M+I) – 2022. TREATY CREEK -Tudor Gold (M+I) Website. RED CHRIS Imperial Metals (M+I) 2021. GALORE CREEK: Galore Creek (M+I) -2014. SCHAFT CREEK - Copper Fox – Reserves Website. ESKAY CREEK: Skeena Resources (M+I) -2021 -website. SADDLE: GT Gold (Indicated) - 2020. BRUCE JACK: Newcrest Annual Mineral Resources statement, 2023



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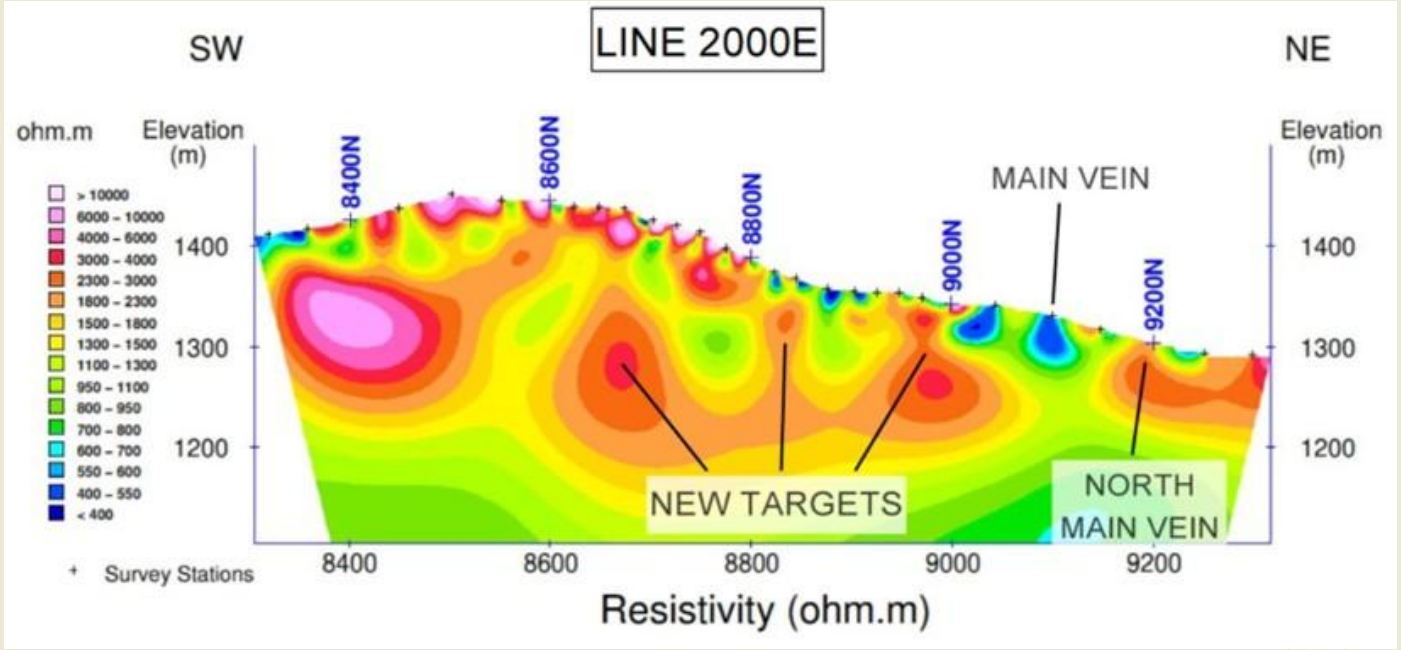
WISHBONE PROJECT

British Columbia Targets Redefined

- Drill permitted 3,971 ha. Property adjacent to Galore Creek, jointly owned by Teck and Newmont
- 11 target areas over a 9 km trend.
- Numerous soil samples greater than 1000 ppb (or 1 g/t) gold.
- Historical grab samples as high as 6.7 kg/t silver and 202 g/t gold
- Airborne geophysics highlighted underlying structures on the property.
- Rapidly receding glacial ice has exposed new high grade gold showings.
- Both the proposed Galore and Schaft Creek access roads cross the property.
- IP has outlined multiple high priority drill targets

2025 IP Survey Results Outlining High Priority Targets



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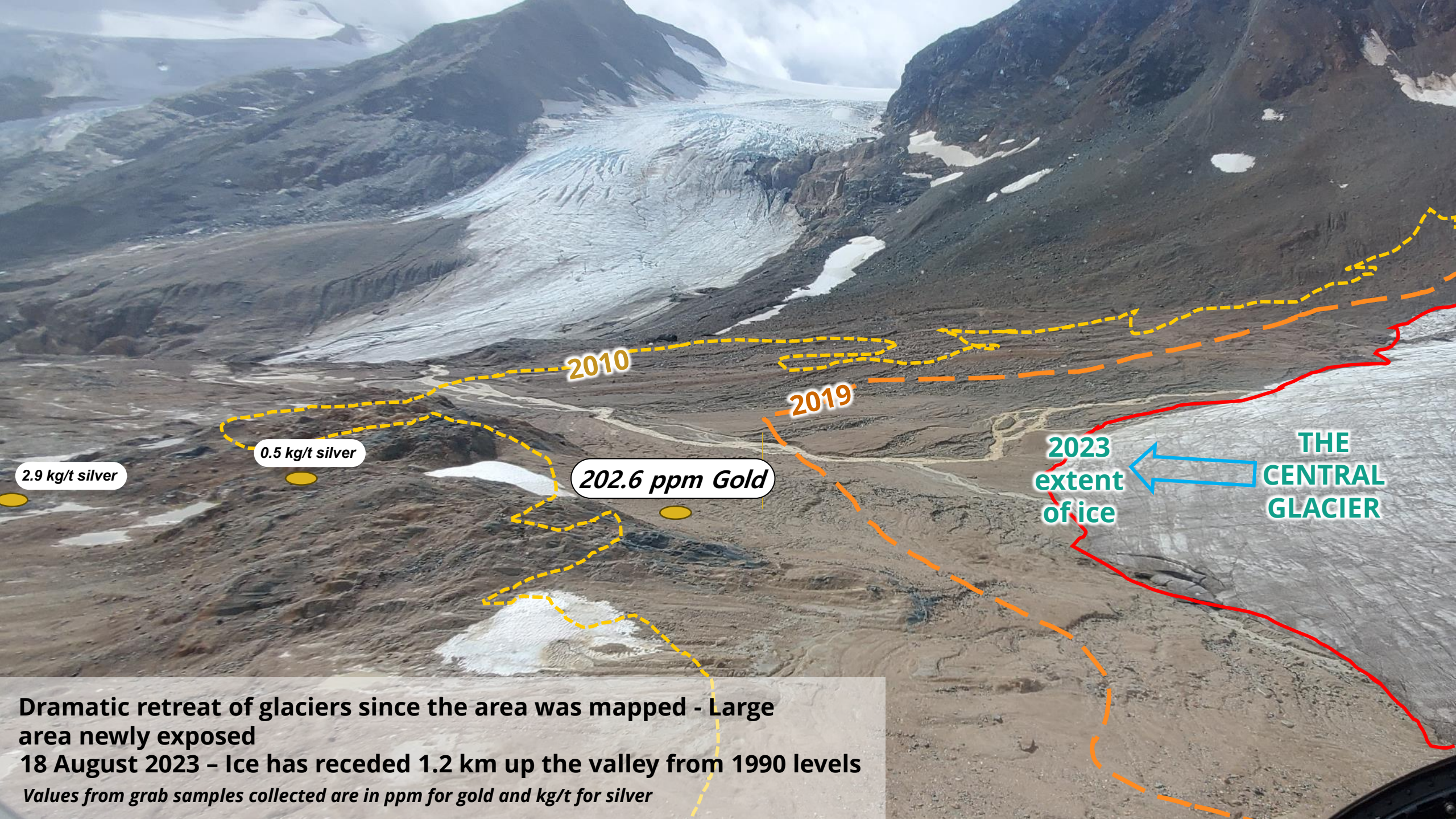
WISHBONE PROJECT

British Columbia Targets Redefined



Dramatic retreat of glaciers since the area was mapped - Large area newly exposed
18 August 2023 – Ice has receded 1.2 km up the valley from 1990 levels

Values from grab samples collected are in ppm for gold and kg/t for silver

LOS SAPITOS PROJECT

San Juan Argentina – Lithium Brine

Origen previously recognized that the geology of the mining-friendly northern San Juan Province was similar to that of within the established lithium belts in the north of the country.

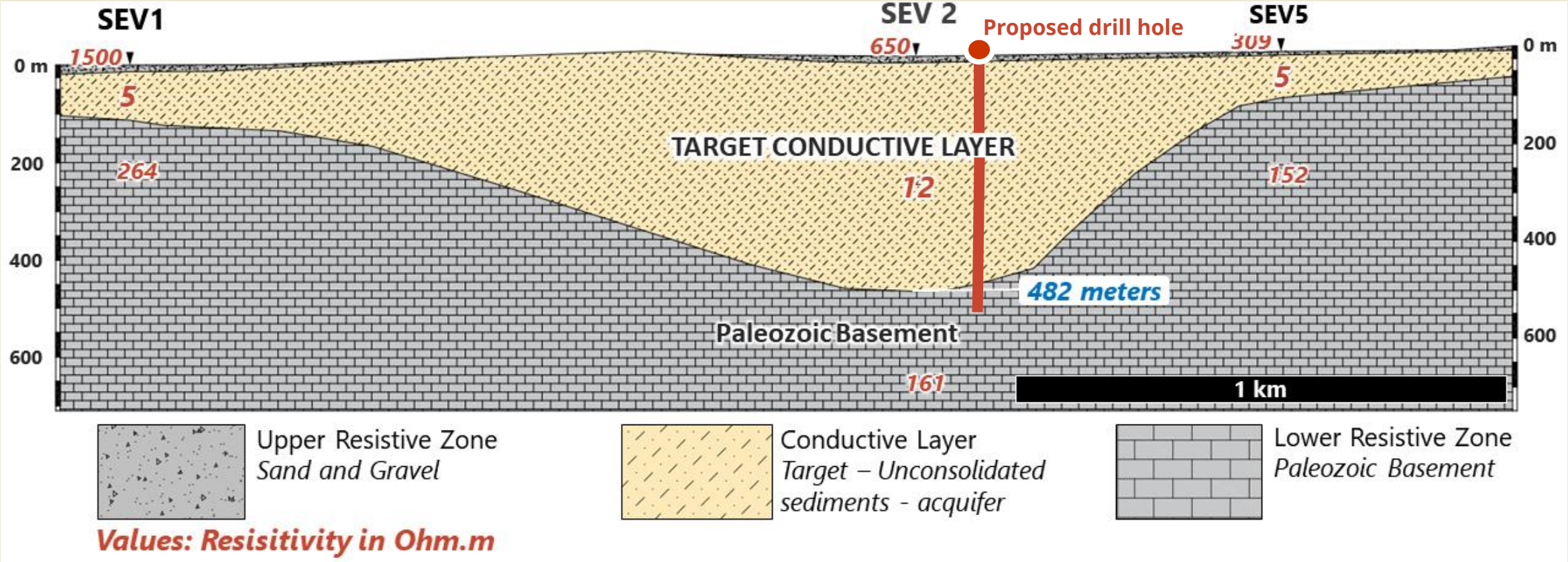
Guided by this exploration model Origen was able to acquire a district-sized contiguous land package around a mostly-buried Los Sapitos salar in San Juan.

Since the acquisition Tres Quebradas was sold for $920M CAD far south of the current Lithium Triangle.

LOS SAPITOS PROJECT

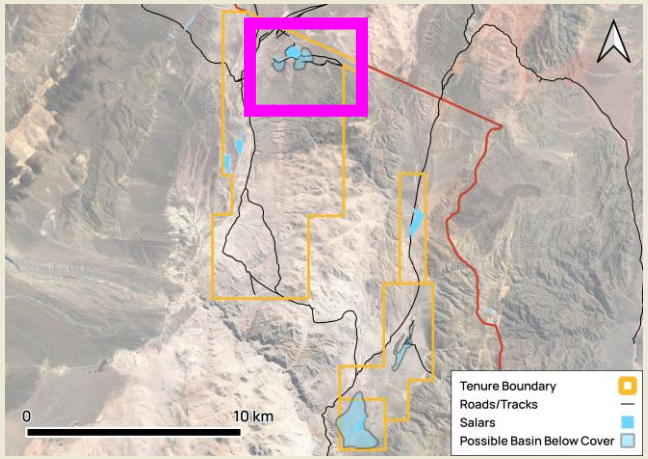
San Juan Argentina – Lithium Brine

Result of 2023 geophysics showing the morphology of the basin
In July 2023 field teams carried out 3 vertical electrical sounding surveys at three locations in the area.



LOS SAPITOS PROJECT

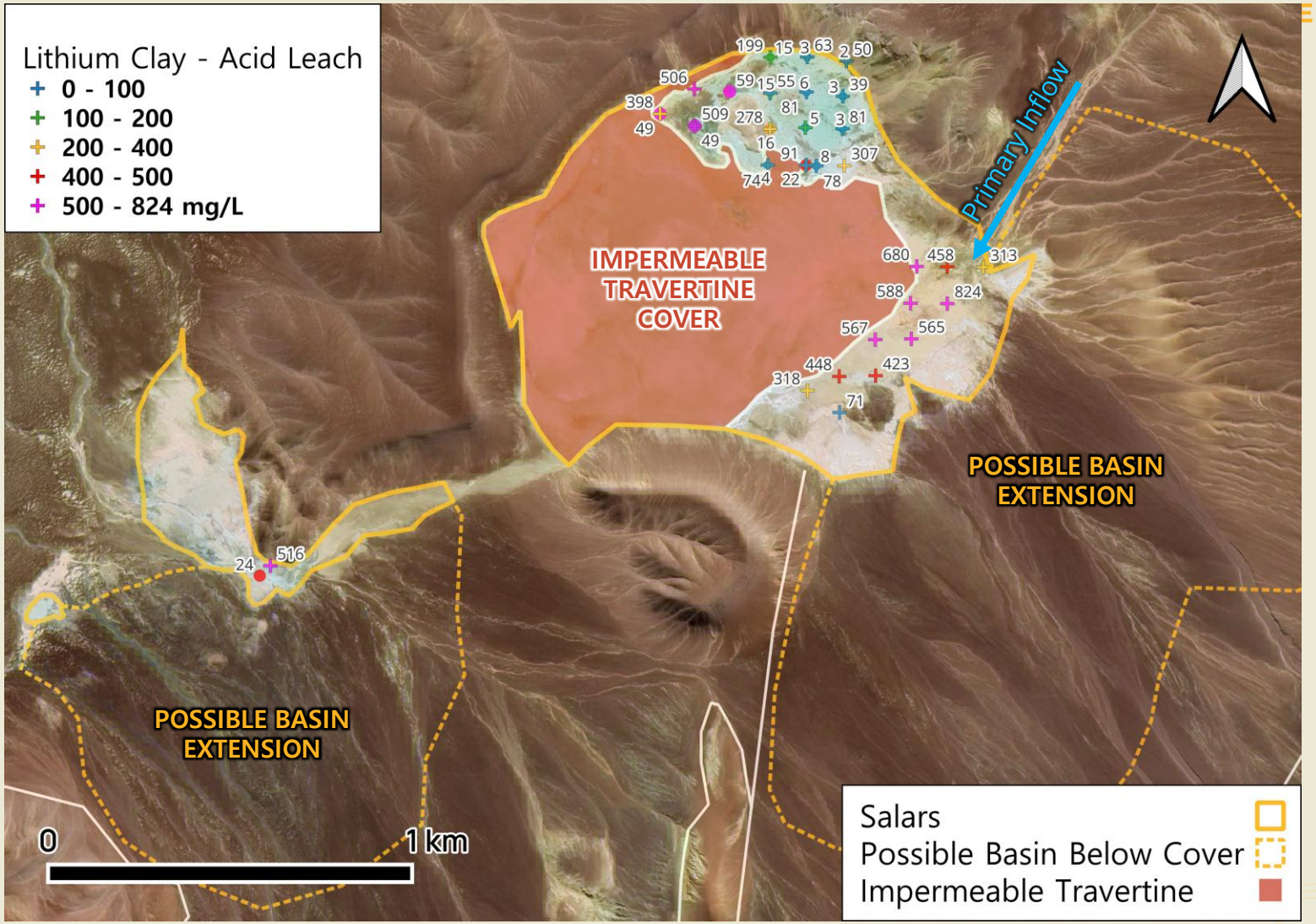
San Juan Argentina – Lithium Brine



2023 silt and brine samples collected from the Los Sapitos salar

The results show that significant lithium is found both in clays and in evaporite mineralization along the eastern edge of the salar and in brine samples on the north-western part of the salar.

These areas will be targeted in upcoming drilling as well to test through the impermeable travertine



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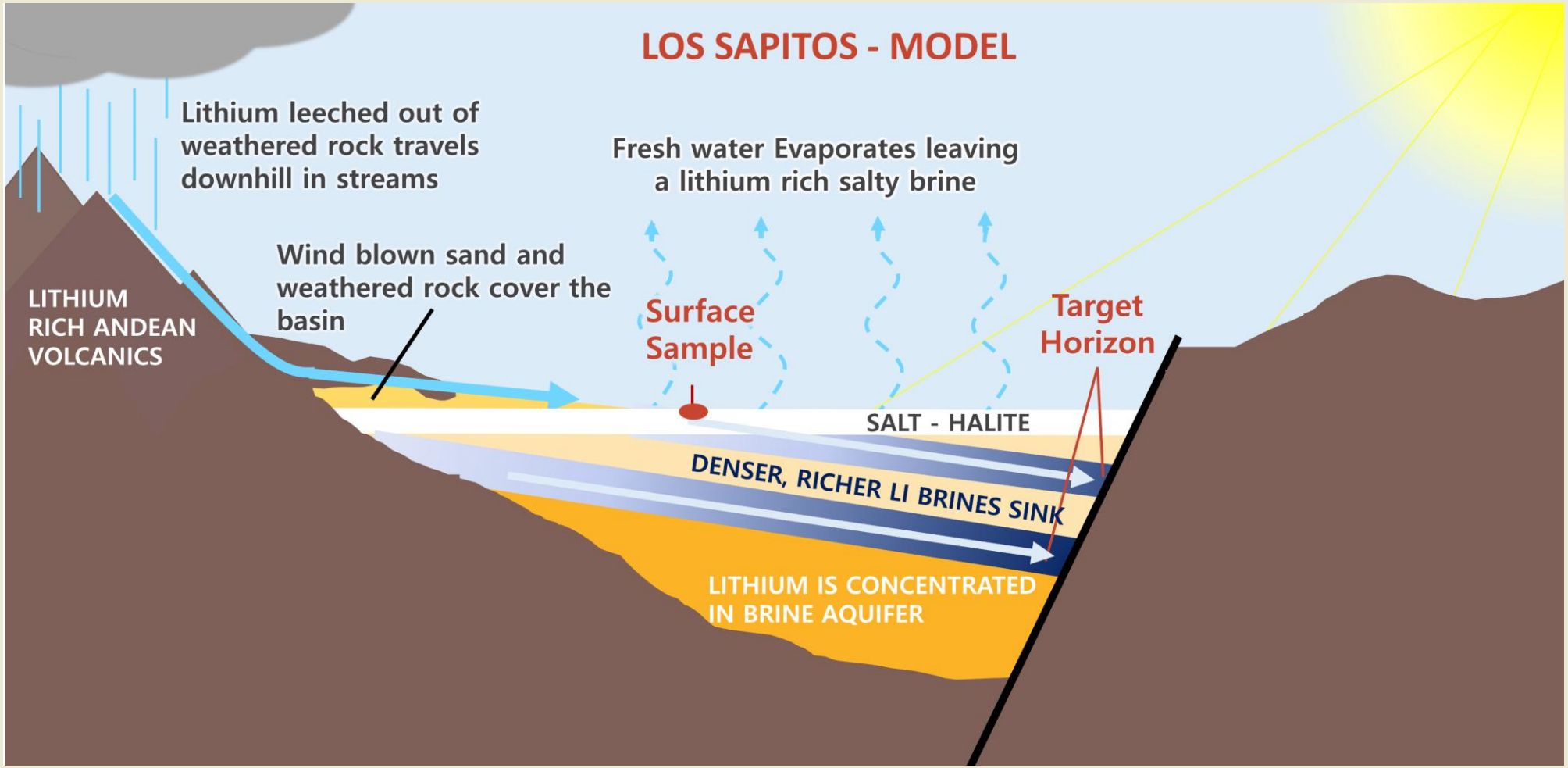
LOS SAPITOS PROJECT

San Juan Argentina – Lithium Brine



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