



Energy from Experience

May 2024



GROSSO GROUP MEMBER COMPANY

OTCQX: LILIF

TSX-V: LIT

FSE:OAY3

This Presentation contains “forward-looking statements” within the meaning of Canadian securities legislation. Such forward-looking statements concern the Company’s anticipated results and developments in the Company’s operations in future periods, plans related to its business and other matters that may occur in the future. Actual results in each case could differ materially from those currently anticipated in such statements.

The information provided in this presentation is not intended to be a comprehensive review of all matters and developments concerning the Company. It should be read in conjunction with all other disclosure documents of the Company. The information contained herein is not a substitute for detailed investigation or analysis. No securities commission or regulatory authority has reviewed the accuracy or adequacy of the information presented. The Company undertakes no obligation to publicly update or revise any forward-looking statements other than as required under applicable law.

We advise U.S. investors that the SEC's mining guidelines strictly prohibit information of this type in documents filed with the SEC. U.S. investors are cautioned that mineral deposits on adjacent properties are not indicative of mineral deposits on our properties.

Lithium deposits and resources owned by other companies referred to in this presentation have not been independently verified by the Corporation and information regarding these deposits are drawn from publicly available information. Proximity to other mining projects in the area does not provide any assurances with respect to the prospects at the Company's projects. There is no certainty that further exploration of the Company's projects will result in the delineation of a similar mineral resources.

This presentation has been reviewed and approved by David Terry, Ph.D., P. Geo, a Qualified Person as defined in NI 43-101 and a director of the company .

Exploring the Prolific Lithium Triangle

- Lithium Triangle produces ~1/2 of the world's lithium
- Hosts ~60% of known lithium reserves
- Most lithium is in salt lake (“salar”) brines
- Argentina is a top-5 global producer of lithium with more than 10% of global lithium reserves (2022)
(statistica.com)
- In close proximity to rail, water, roads and power
- Argentine government is encouraging foreign investment and renewable energy initiatives





One of the world's leading automakers and mobility providers with iconic brands including: Alfa Romeo, Chrysler, Citroën, Dodge, Fiat, Jeep®, Maserati, Opel, Peugeot, RAM, Vauxhall and others

Ownership in LIT: **19.9%** (in Argentina subsidiary with exchange right to LIT shares provided)

Offtake Guarantee: **Up to 15,000tpa over 7 years, extendable**

For additional details please see the original news release dated September 27, 2023: <https://argentalithium.com/news/argentina-lithium-announces-us-90-million-investment-by-stellantis-in-ars-equivalent/>

The Grosso Group management company has been a **pioneer of mineral exploration in Argentina** since 1993.

The Group has built a **vast network** of industry and government contacts, giving its Member Companies a distinct advantage in the acquisition, exploration and development of mineral projects.

The Grosso Group maintains a strong focus on the environment, the communities, and the cultures in the areas where it operates.



The Grosso Group has been involved in four major mineral discoveries in Argentina

- Gualcamayo Au (Mineros SA)
- Chinchillas Ag-Pb-Zn (SSR Mining Inc.)
- Navidad Ag-Pb (Pan American Silver Corp.)
- Amarillo Grande U-V (Blue Sky Uranium Corp.)



Management Team



**Joseph Grosso,
Chairman**

President & Founder of the Grosso Group management company & pioneer of exploration in Argentina since 1993.



**Nikolaos Cacos,
President & CEO,
Director**

+30 years of management expertise in the mineral exploration industry: extensive experience in strategic planning & administration of public companies.



**Dr. John Gammon,
Director**

40 years of experience in mineral exploration and management, aboriginal community and environmental issues



**Martin Burian,
Director**

ICD.D & CPA with +30-year career in investment banking to the mining sector. Currently Managing Director at RCI Capital Group.



**Miles Rideout,
VP of Exploration**

37 years of experience in advanced exploration practice, responsible business management, scientific team building, and mining integration with local communities and indigenous peoples.



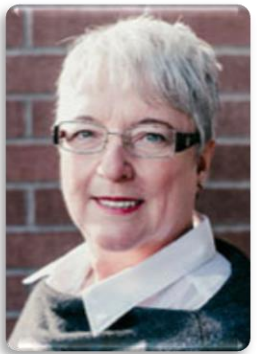
**Dr. David Terry,
Director, P. Geo.**

Professional economic geologist with 30+ years of international experience in the mineral resources sector, including lithium exploration projects.



**Darren Urquhart,
CFO**

Chartered Professional Accountant with twenty years experience in public practice and industry.



**Connie Norman,
Corporate Secretary**

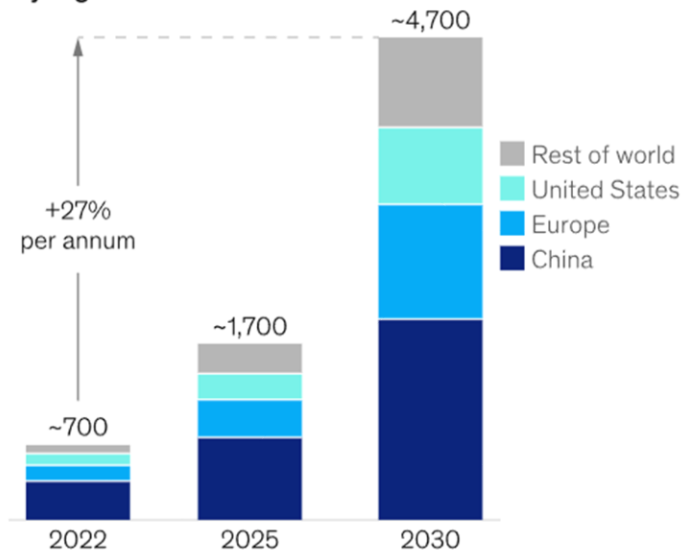
18 years of experience corporate secretarial and regulatory compliance services to public companies.

The Lithium Battery – Fueling the Green Revolution

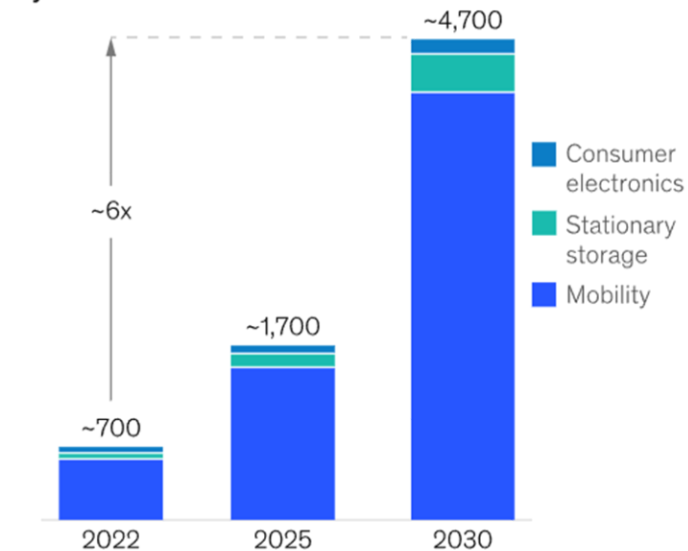
Li-ion battery demand is expected to grow by about 27 percent annually to reach around 4,700 GWh by 2030.

Global Li-ion battery cell demand, GWh, Base case

By region



By sector



¹Including passenger cars, commercial vehicles, two-to-three wheelers, off-highway vehicles, and aviation.
Source: McKinsey Battery Insights Demand Model

<https://www.mckinsey.com/industries/automotive-and-assembly/our-insights/battery-2030-resilient-sustainable-and-circular>

<https://www.cnbc.com/2023/10/06/lithium-boom-argentina-is-at-the-epicenter-of-a-new-white-gold-rush.html>

A new Chile? Argentina is at the epicenter of a new 'white gold' rush

PUBLISHED FRI, OCT 6 2023-1:10 AM EDT | UPDATED MON, OCT 9 2023-9:40 AM EDT

<https://www.bloomberg.com/news/articles/2023-12-21/milei-offers-red-tape-relief-for-mines-in-argentina-deregulation>

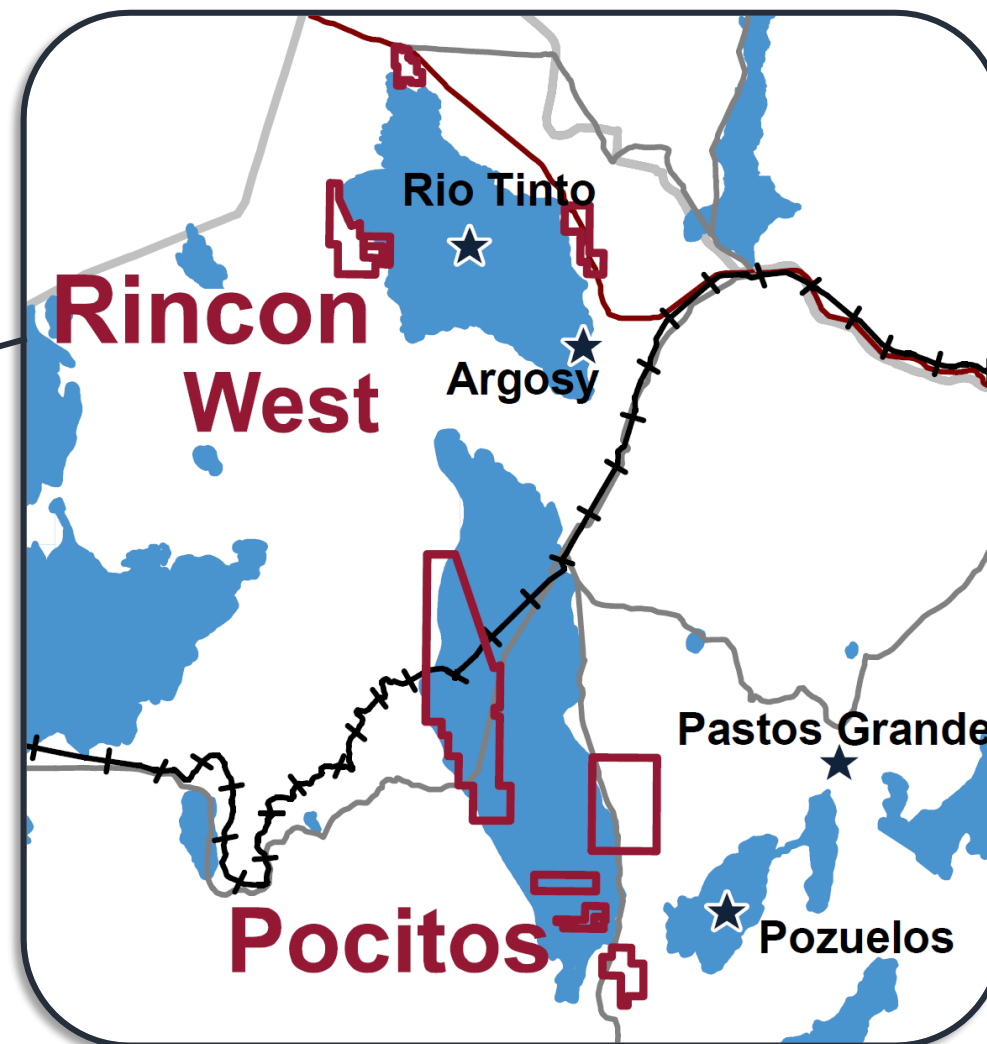
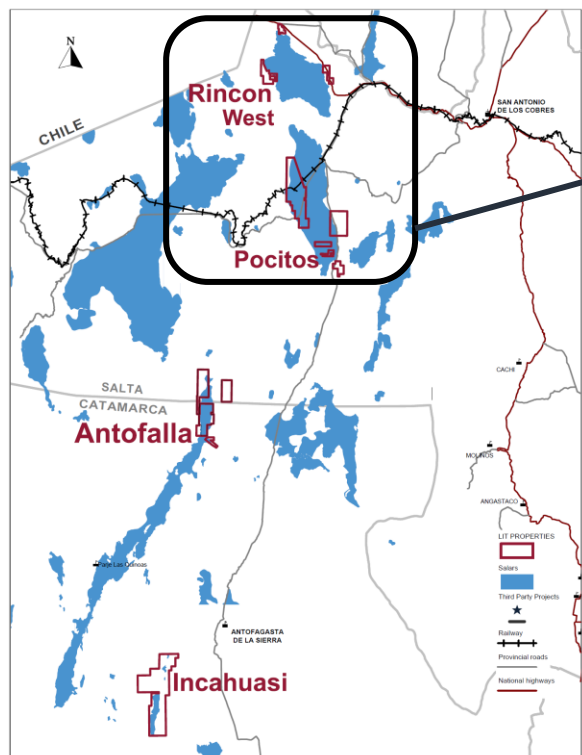
Argentina's Javier Milei: Milei Gets Pragmatic | Vow to Shutter Central Bank | Sweeping Reforms

Markets | Commodities

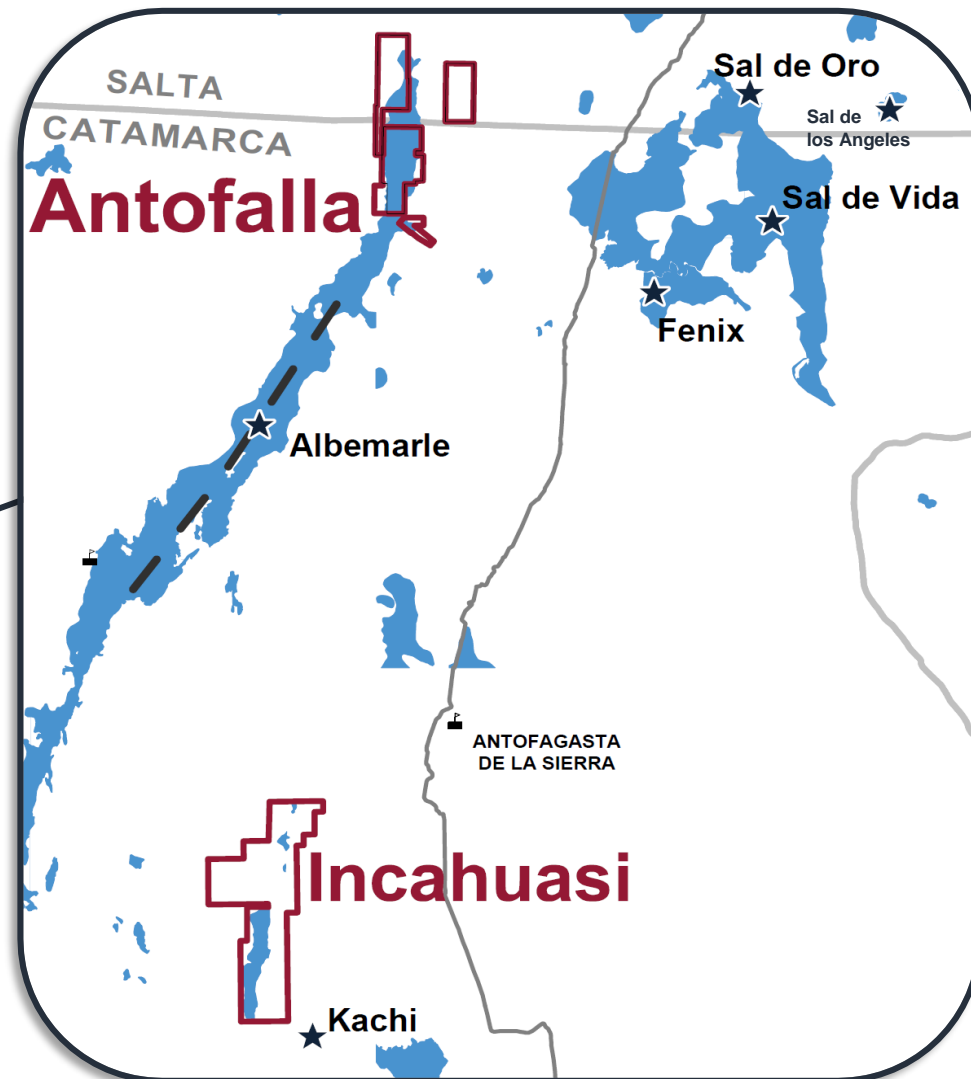
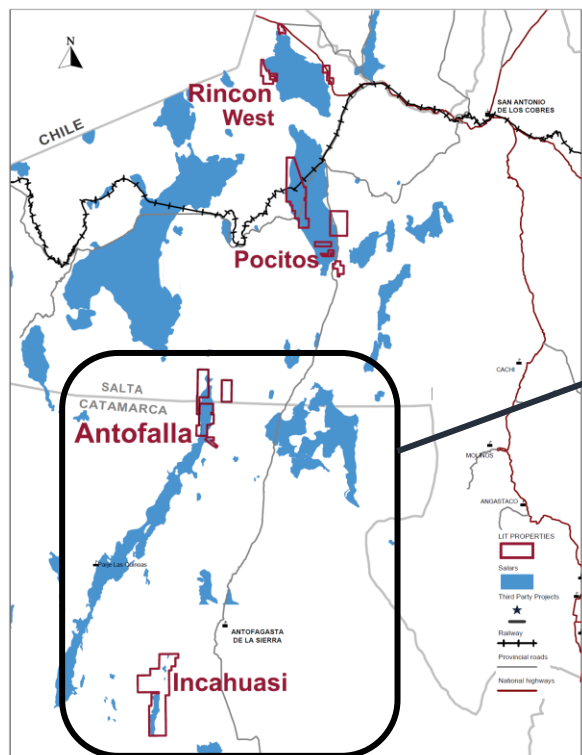
Milei Looks to Cut Costs for Argentina's Miners in Broader Deregulation Push

- New president wants to cut costs for mining companies
- 'From today on, it's prohibited to prohibit exports'

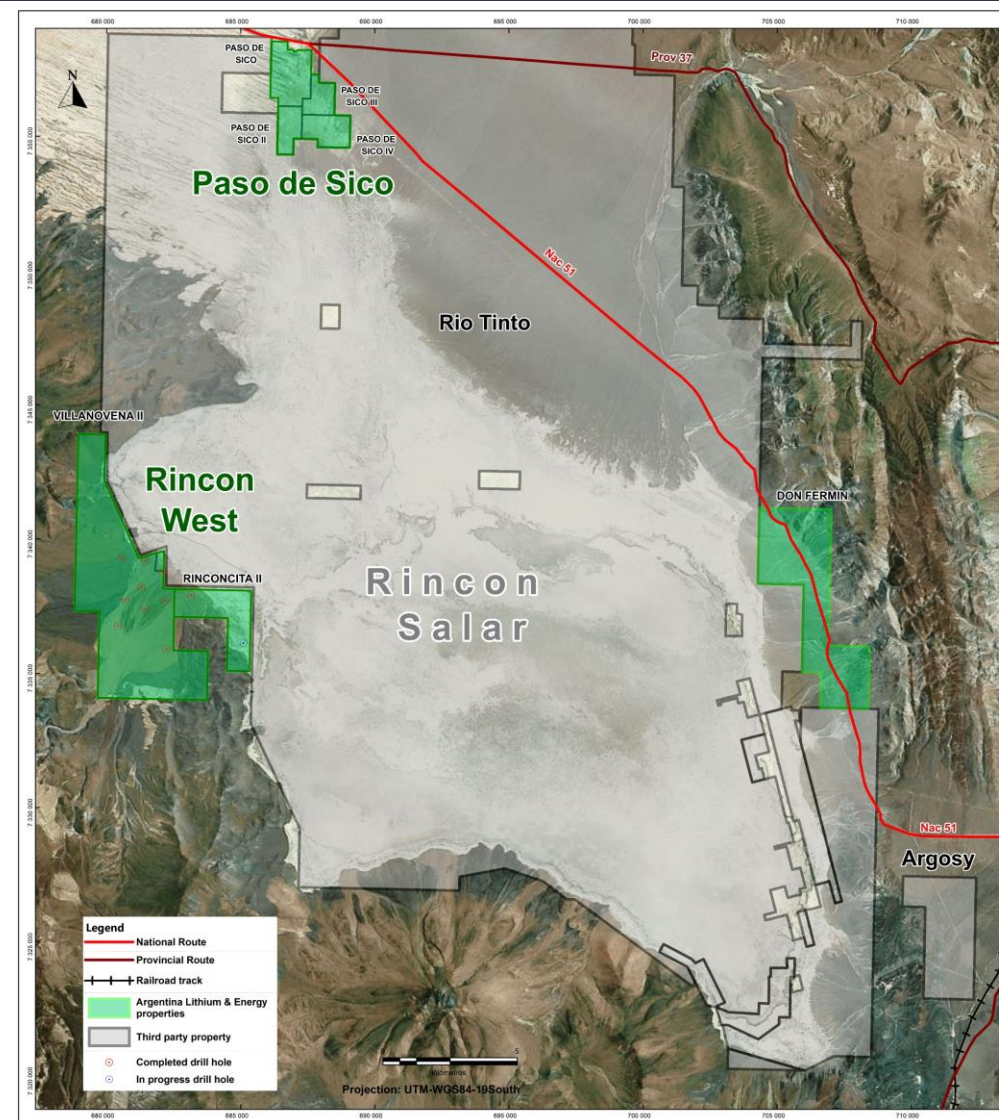
- Projects include claims covering +67,000 hectares on four salars in Salta & Catamarca provinces
- Strategically located near key infrastructure and towns.
- Year-round access to all properties on existing road network



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- >5,000ha (~50% wholly-owned and 50% under option)
- 3,800 masl elevation in ultra-arid environment
- Adjacent to Rio Tinto and proximal to Argosy Minerals, with proven reserves
- Mature salar development with halite deposits drilled to 400m depth
- International highway to Pacific ports & major electrical power corridor just north of the salar

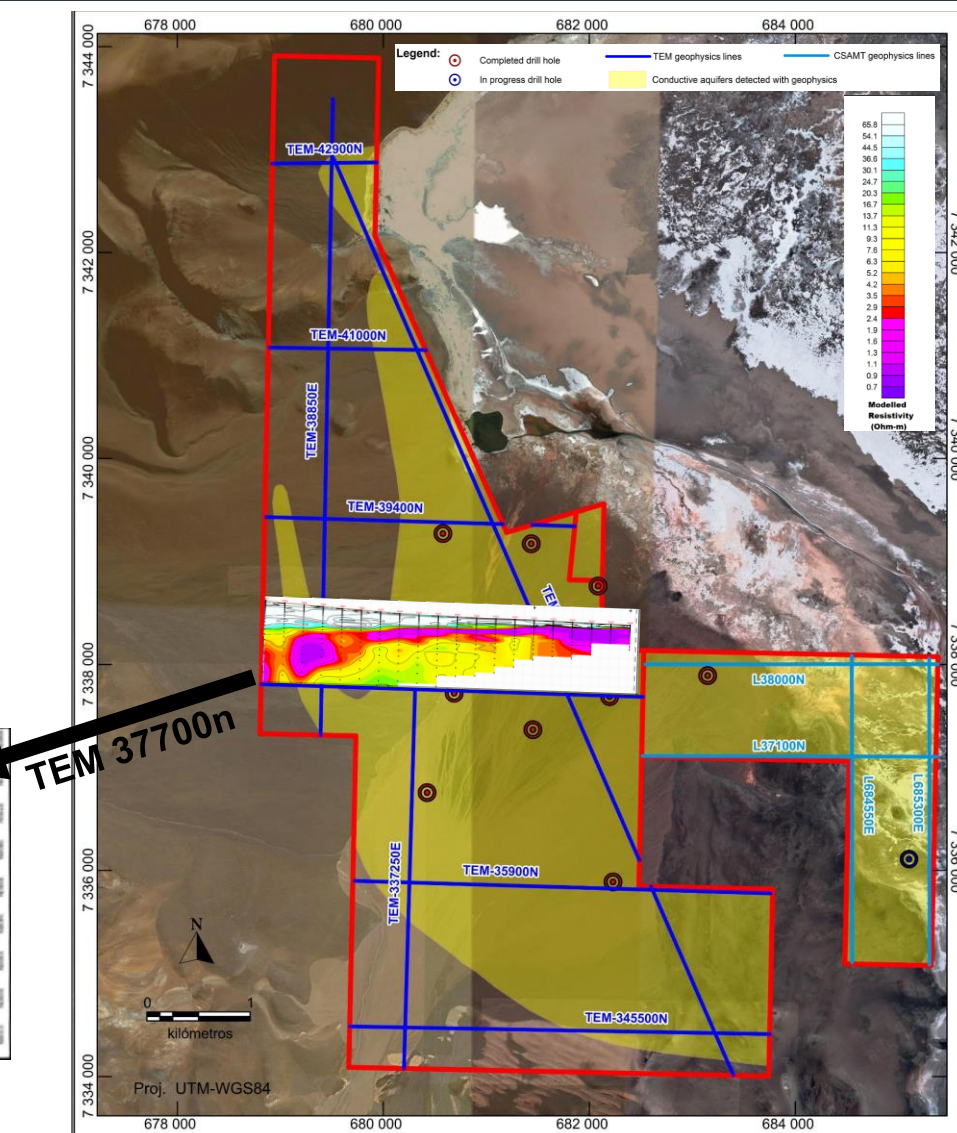
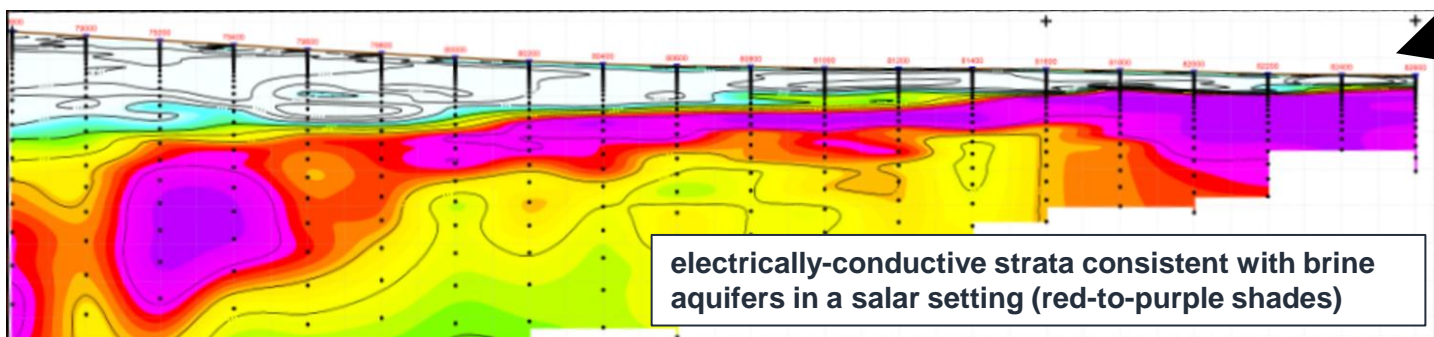


Rincon West Brine Aquifer Delineation

- Historic Vertical Electrical Soundings (VES) identified a conductive unit (i.e. potential brines) at <100m depth under the central part of the property
- LIT completed new deep-seeing Transient Electromagnetic (TEM) surveys as well as a detailed Controlled Source Audio-Frequency Magnetotellurics (CSAMT) survey
- Detected conductive strata consistent with aquifers containing concentrated brines over 2041 hectares or nearly 70% of the main property block
- The CSAMT will provide 2-d modelling of the data and better delineate brine-hosting lithologies and structures



- 190 TEM soundings completed
 - 200 m intervals on 6 east-west lines & 2 transecting lines
 - N-S line spacing of 1400 to 1900 m
 - Identified electrically-conductive strata consistent with brine aquifers in a salar setting
- 58.8 line-km of CSAMT added with 50 m station spacing
 - Indicates aquifer extends into new adjacent properties



- Positive results in all 12 holes; moderate to high grades over long intervals in most holes; high value of 402 mg/L Li
- Confirms that lithium brines in the adjacent projects extend beneath LIT property; open to the north
- New 6-hole drill program underway on eastern property, plus permitting for pump tests

DRILLING HIGHLIGHTS

RW-DDH-012 – NEW EASTERN EXPANSION:

- 165 m of sampling starting at 48.5 m returned lithium grades ranging from 322 to 371 mg/l

RW-DDH-009 – HIGHEST GRADE TO DATE:

- 258 m interval starting at 83 m (2 internal intervals not sampled, 42m & 33m); Lithium grades ranging from 287 to 402 mg/l

RW-DDH-004:

- Brines start at 38m depth; Concentrated, consistent aquifer from 95m to 227m; 132 m with lithium grades from 334 to 382 mg/litre

RW-DDH-006:

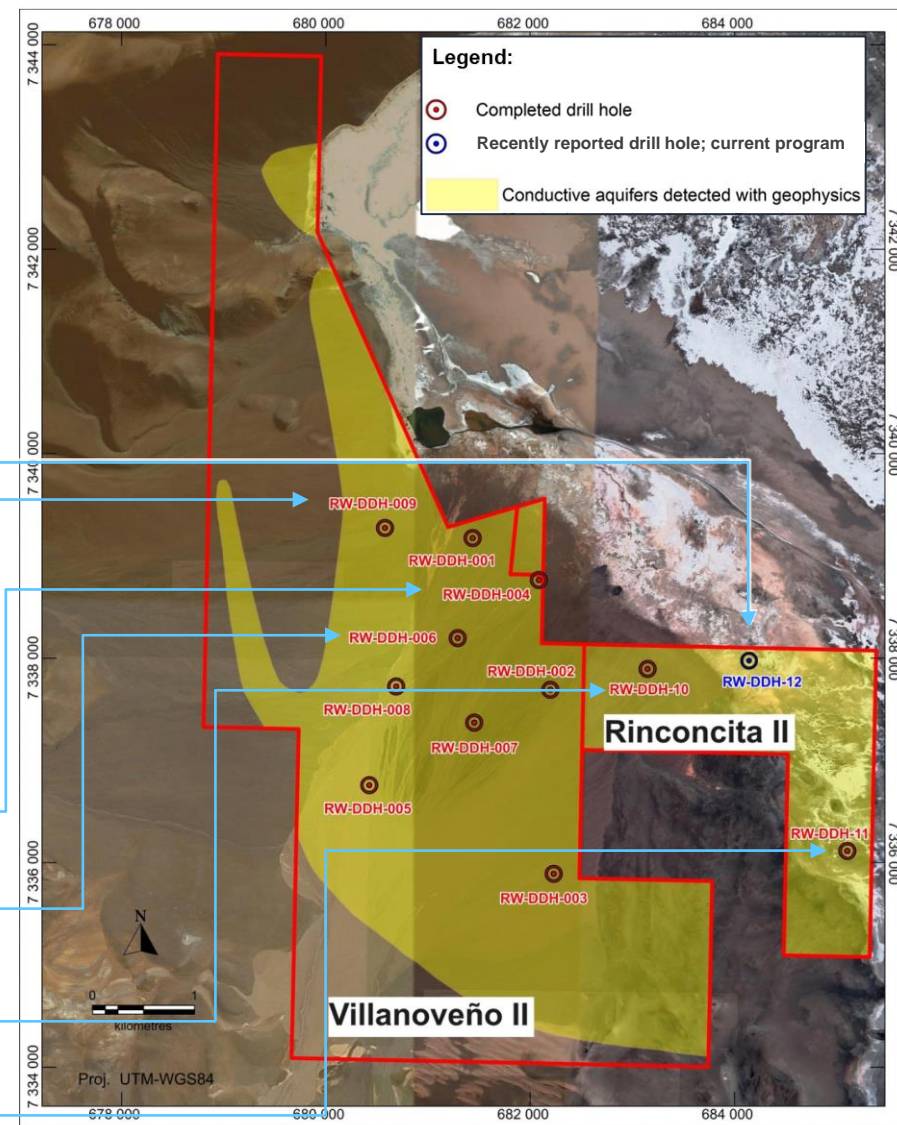
- Brines start at 59m depth; 153 m with lithium grades from 329 to 393 mg/litre

RW-DDH-010:

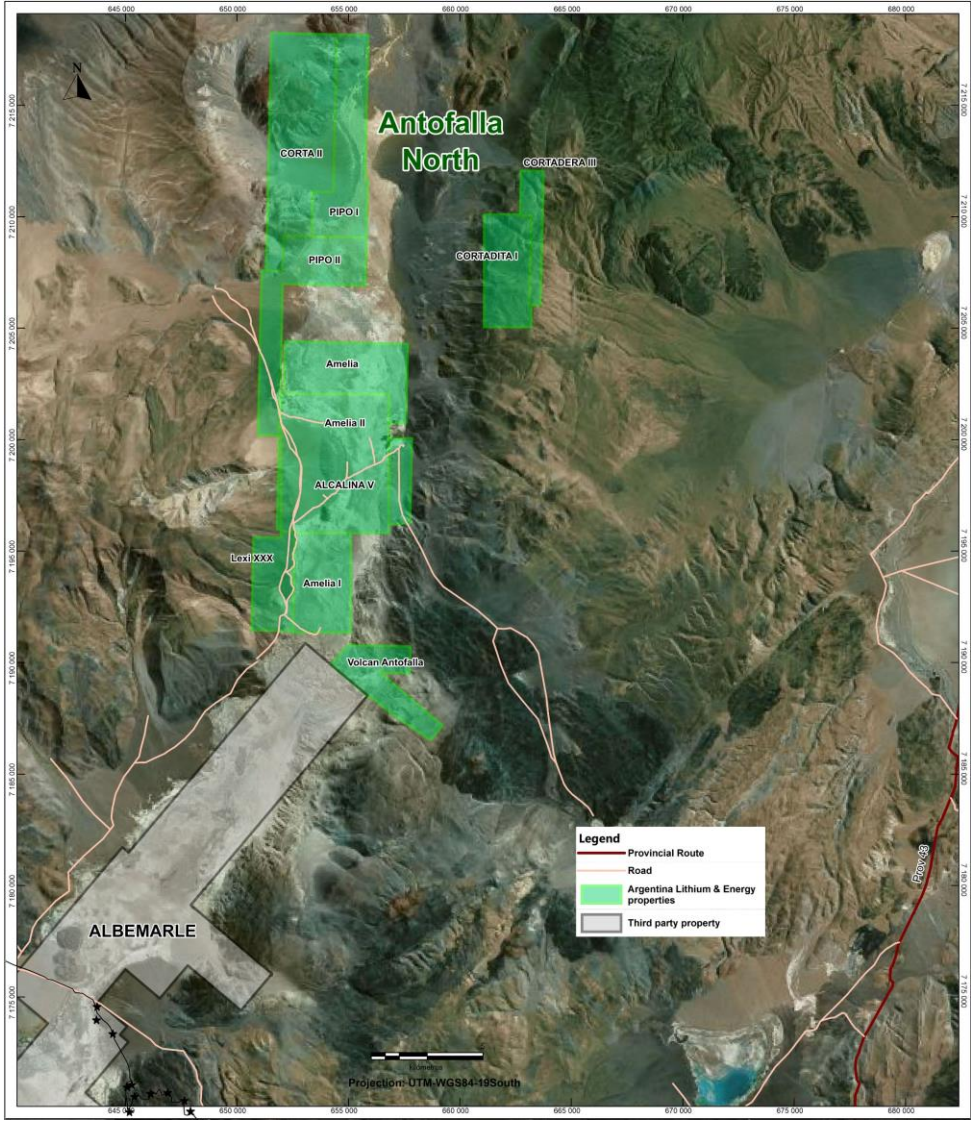
- Brines collected from 63.5 - 359 depth; 295.5 m with lithium grades from 245 to 366 mg/litre

RW-DDH-011:

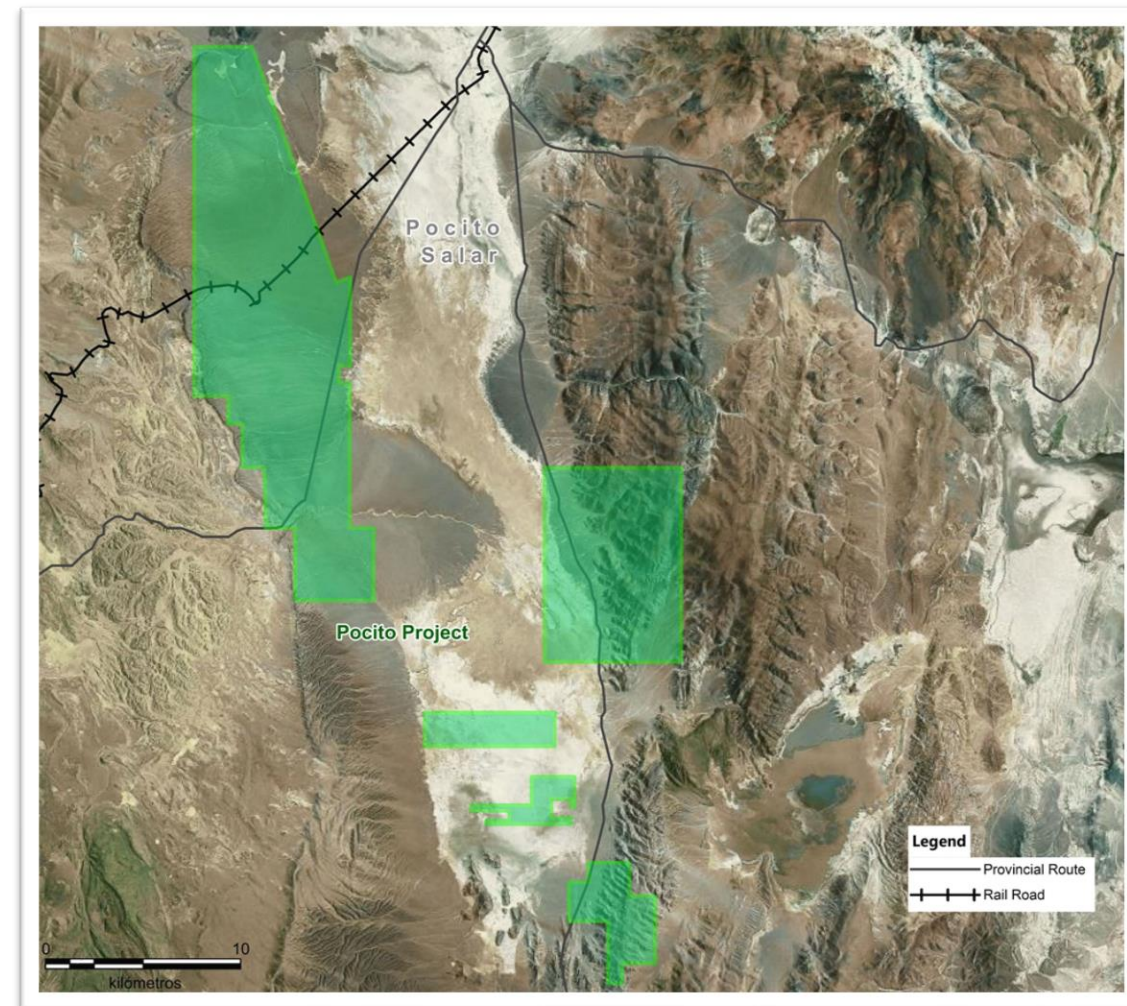
- Brines collected from 24.5 - 345.5 depth; 321 m with lithium grades from 246 to 344 mg/litre



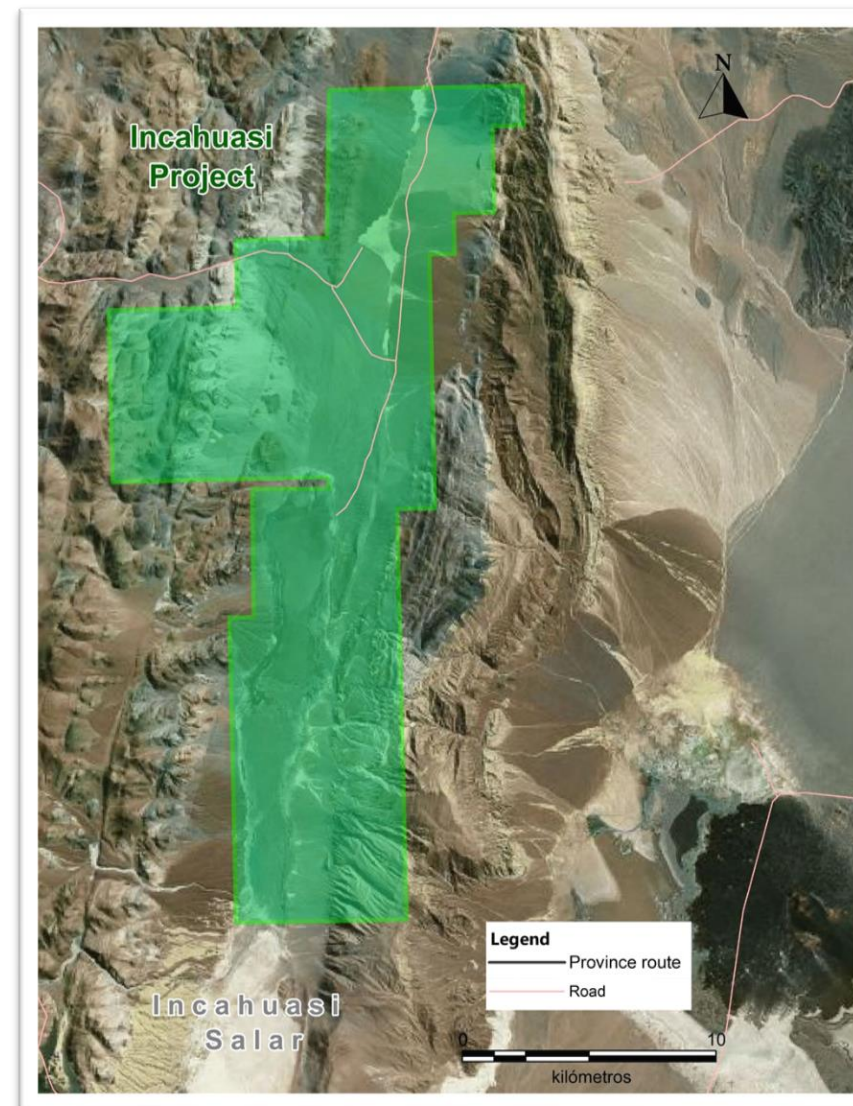
- Covers >10,000 ha including wholly owned & optioned claims
- <20 km W of Argentina's largest lithium producing operation at Salar de Hombre Muerto
- Major lithium producer Albemarle has large lithium tenement holdings starting 500m S
- Previous CSAMT geophysics show conductive units in horizontal bedding, extending to approximately 500 m depth
- 2024 Work plan (permits pending):
 - 110 line-km of Transient Electromagnetic soundings to delineate brine deposits
 - 6 reconnaissance diamond drill holes (~2400m)
 - Up to 24 follow-up infill holes planned (~7200m)

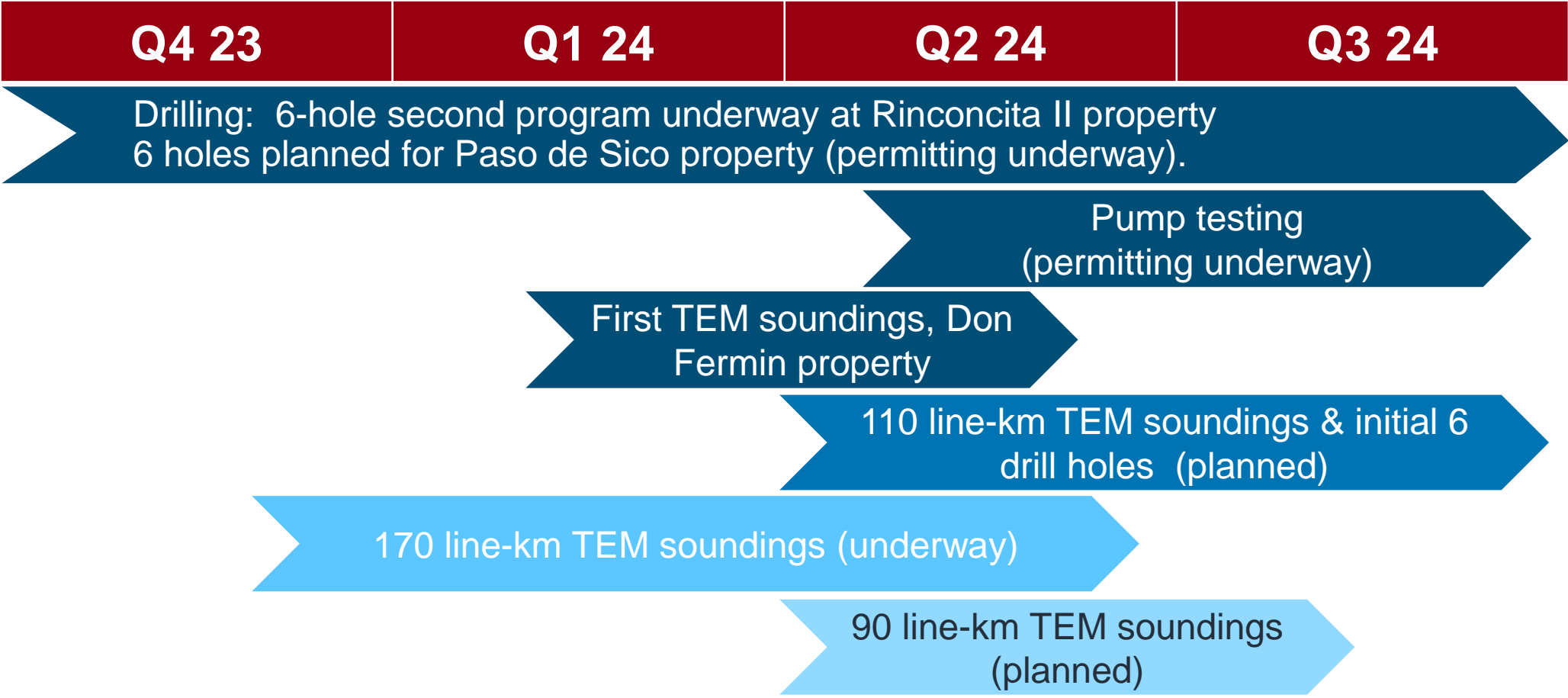


- +26,000 ha (>50% of concessions 100%-held, remainder under option)
- 3,700 masl elevation in arid environment;
- International railway to Pacific ports crosses the property;
- Provincial highway and major gas pipeline located close to the property;
- Limited historic exploration
- Work plan:
 - 170 line-km of Transient Electromagnetic soundings to detect and delineate brine concentrations for testing
 - Up to 4 drill holes in first phase



- 100% interest in over 25,000 ha;
- 3,260 masl elevation in arid environment
- 34 km from town of Antofagasta de la Sierra, Catamarca
- Located north of Lake Resources' Kachi Project
- Maximum values 409 mg/L lithium and 1.56% potassium recovered in near-surface sampling (to 8m depth)
- 4 drill-holes confirmed Li-bearing brines (average 109 mg/L Li, 6718 mg/L K)
- Work plan:
 - 90 line-km of Transient Electromagnetic soundings to detect & delineate new brine concentrations for testing





@April 15, 2024

| | |
|------------------------------|--------------------|
| Shares Issued | 135,175,316 |
| Warrants (Avg. price \$0.46) | 66,492,737 |
| Options (Avg. price \$0.31) | 11,341,000 |
| Fully Diluted | 212,009,053 |
| Market Cap (@04/30/24) | ~\$34M |



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