



Rio Grande Sur Lithium Project

**Advancing a pre-production
lithium brine operation in
Argentina**

ASX: PUR

March 2023



Competent Persons Statement

Statements contained in this announcement relating to exploration results, are based on, and fairly represents, information and supporting documentation prepared by Mr. Brian Luinstra, BSc honours (Geology), PhD (Earth Sciences), MAIG, PGeo (Ontario). Dr Luinstra is a Principal Consultant of SRK Consulting (Australasia) Pty Ltd and a consultant to the Company. Mr. Luinstra 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 Luinstra consents to the use of this information in this announcement in the form and context in which it appears.

The mineral resource compiled in accordance with NI43-101, is a foreign mineral resource estimate which was not compiled in accordance with the JORC code. The Competent Person has not done sufficient work to classify this foreign mineral resource estimate as a Mineral Resource in accordance with the JORC Code. It is uncertain that following evaluation and/or further exploration work that the foreign mineral resource estimate will be able to be reported as Mineral Resources in accordance with the JORC code.

For further detail on the NI43-101 refer to ASX release 14/12/2022 Pursuit to Acquire Lithium Brine Project in Argentina. The Company is not aware of any new information or data that materially affects the information included in the referenced ASX announcement and confirms that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed.

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 realize 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.

BUILDING A TOP TIER LITHIUM EXPLORATION AND DEVELOPMENT COMPANY



ATTRACTIVE LITHIUM RESOURCE - ~9,260ha located within the Rio Grande Salar (27,500ha) which has a NI43-101 inferred resource of 2.1 million tonnes LCE at an average grade of 370mg/Li to a depth of 100m with resource open to depth. Refer to Competent Persons report on page 2.



PATHWAY TO PRODUCTION - Located within existing Ni43-101 resource → evaluation program → Bankable Feasibility Study → 2,000tpa production within 24 months → 20,000tpa within 36-48 months



STRATEGICALLY LOCATED TIER 1 ADDRESS - Located in the heart of the Lithium triangle in close proximity to: Livent's Fenix operation at the Hombre Muerto Salar / Allkem's (ASX:AKE) Olaroz Lithium mine. Also home SQM and Albemarle as well as Galan Lithium (ASX:GLN) and Argosy Minerals (ASX:AGY).



NEAR TERM EVALUATION AND EXPLORATION: STRONG OUTLOOK FOR GROWTH - TEM / CSAMT surveys followed by drilling planned to prove existing resource as well as expanding in deeper zones for a maiden JORC resource.



EXPERIENCED BOARD & MANAGEMENT - Executive management team providing extensive in-country Argentina and resource development experience with significant exposure to the development of junior lithium companies.

CORPORATE OVERVIEW

CAPITALISATION DATA⁽¹⁾

A\$0.03

SHARE PRICE

1.19B

SHARES ON
ISSUE

ASX:PUR

TICKER

A\$35.7M

MARKET CAP

A\$5M

NET CASH

~158.5M

TOTAL OPTIONS
ON ISSUE

Top Shareholders

Top 20 Shareholders

~30%

Board interests
(fully diluted)

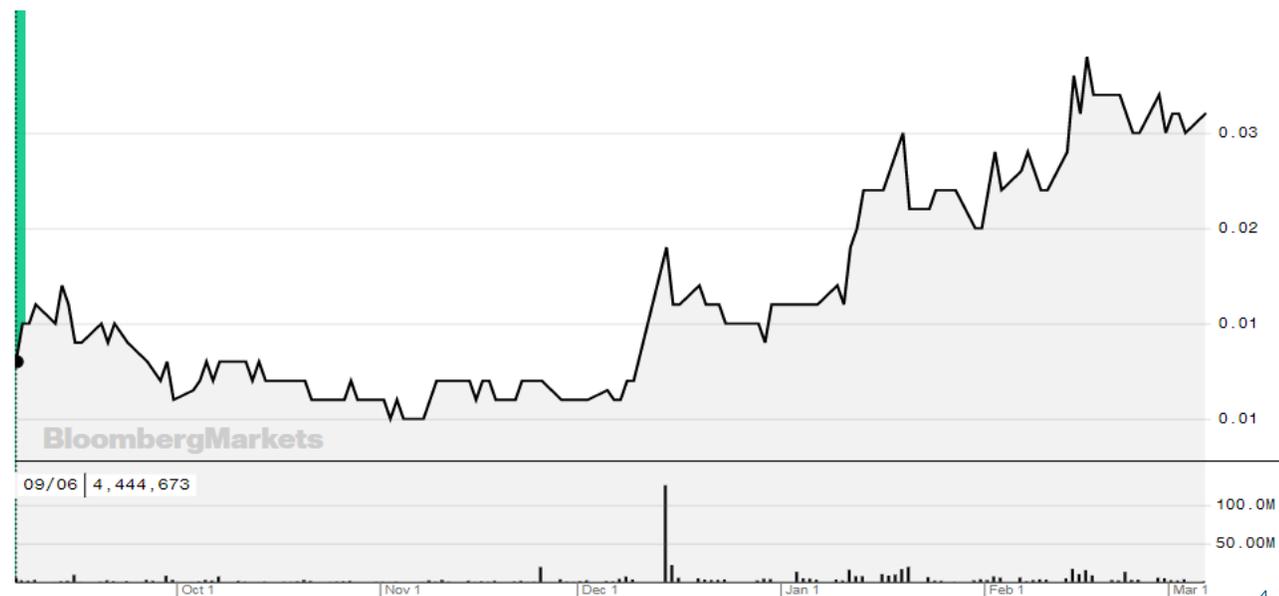
9%

1. As at 1 March 2023.
2. Additional Shares required to finalise Trilogy Minerals acquisition.

DIRECTORS

Peter Wall	Non-Executive Chairman
Mark Freeman	Finance Director
Bob Affleck	Managing Director
Tom Eadie (proposed)	Non Exec Director

PUR SHARE PRICE PERFORMANCE



BOARD AND MANAGEMENT

Highly experienced exploration, corporate and capital markets team



Mr Peter Wall Non-Executive Chairman

Mr Wall is a Partner with leading Australian Law Firm Steinepreis Paganin with significant experience in wide ranging experience in mergers, acquisitions, takeovers, reconstructions and recapitalisations. His core areas of practice include energy, resources, capital markets and strategic advice. Peter is a director of a number of companies listed on the ASX.



Mr Bob Affleck Managing Director

Mr Affleck has over 25 years' geological experience in the mineral exploration industry from grassroots data collection to consulting roles in a variety of mineral commodities. His expertise includes project management, technical and prospectus reviews, target generation, training and team mentoring. Bob also has extensive business management expertise outside of the mining industry, in particular financial management and personnel management. He is keen to use his skills to assist mining companies to make high-value discoveries which will add value to their shareholders.



Mr Mark Freeman Finance Director

Mr Freeman has an extensive background in equity capital markets, banking and corporate advisory, with a specific focus on natural resources. Mark holds a commerce degree and is a chartered accountant with over 25 years corporate and management experience in micro-caps and international projects. Previously involved in executive roles with Panoramic Resources, Exco Resources, Mirabela Nickel and Mustang Resources.



Mr Tom Eadie (proposed Non Exec Director)

Mr Eadie has over 40 years' experience as an explorer and geologist in the resources industry. Tom is currently Chairman of ASX listed companies Southern Cross Gold and Alderan Resources Limited. Tom was the founding Chairman of Syrah Resources (ASX:SYR), At Syrah, Tom was Chairman during acquisition, discovery and early feasibility work of the Balama graphite deposit in Mozambique which commenced production in mid-2017.



Mr Aaron Revelle – Chief Operating Officer

Aaron is a senior mining executive with significant experience in the development and founding of natural resources companies. Aaron has over 15 years experience across a variety of commodities with a focus on bringing resource deposits into production. Prior to founding Trilogy Minerals, Aaron was the founder of Argentinian Lithium focused exploration company Centaur Resources which was sold to Arena Minerals (CVE:AN – market cap C\$190.9m) for A\$23m in 2020. In December 2022, Arena Minerals was acquired by Lithium Americas Corp (TSX:LAC) for US\$227 million (C\$311 million).



Mr Kyle Stevenson

Kyle has held senior roles in the mining and resources industry with over 25 years' experience as a senior mining executive across a range of commodities and jurisdictions. Most recently Kyle was the CEO and founder of Millennial Lithium. In January 2022, Lithium Americas (TSX: LAC) acquired Millennial Lithium for C\$491 million.



Mr Michael Hayes

Michael is an experienced business operator and entrepreneur. Michael was a founding shareholder and senior executive for over 20 years of Grays Online, Australia's largest eCommerce auction house which listed on the ASX in 2014 with a market capitalisation of \$135 million. More recently, Michael was a significant shareholder in Centaur Resources. which was sold to Arena Minerals (CVE:AN – market cap C\$190.9m) for A\$23m.

RIO GRANDE SUR PROJECT OVERVIEW

Advancing a Lithium Brine Asset to Production

- Advanced Lithium development prospect in the Salta province covering 9,260 hectares on the Rio Grande Salar (*Argosy Minerals ASX:AGY Rincon Project ~2,700ha. MC: A\$884.7 million*)
- Independent Report (NI 43-101 compliant) of 2.19Mt LCE @ 374 mg/Li (inferred) across surrounding area of the salar. Refer to Competent Persons report on page 2.
- An exploration target of 400,000-700,000t LCE @ 370-400mg/Li is expected from historical exploration work in and around project area.
- Internal scoping study highly positive results using brine grade at Rio Grande Sur to produce battery grade Lithium Carbonate and Lithium Hydroxide products.

Growth Potential

- Existing resource has the potential to be upgrade by drilling to 500-600m depth.
- Two clearly identified two deep seated depositional centres hosting Lithium bearing brines.

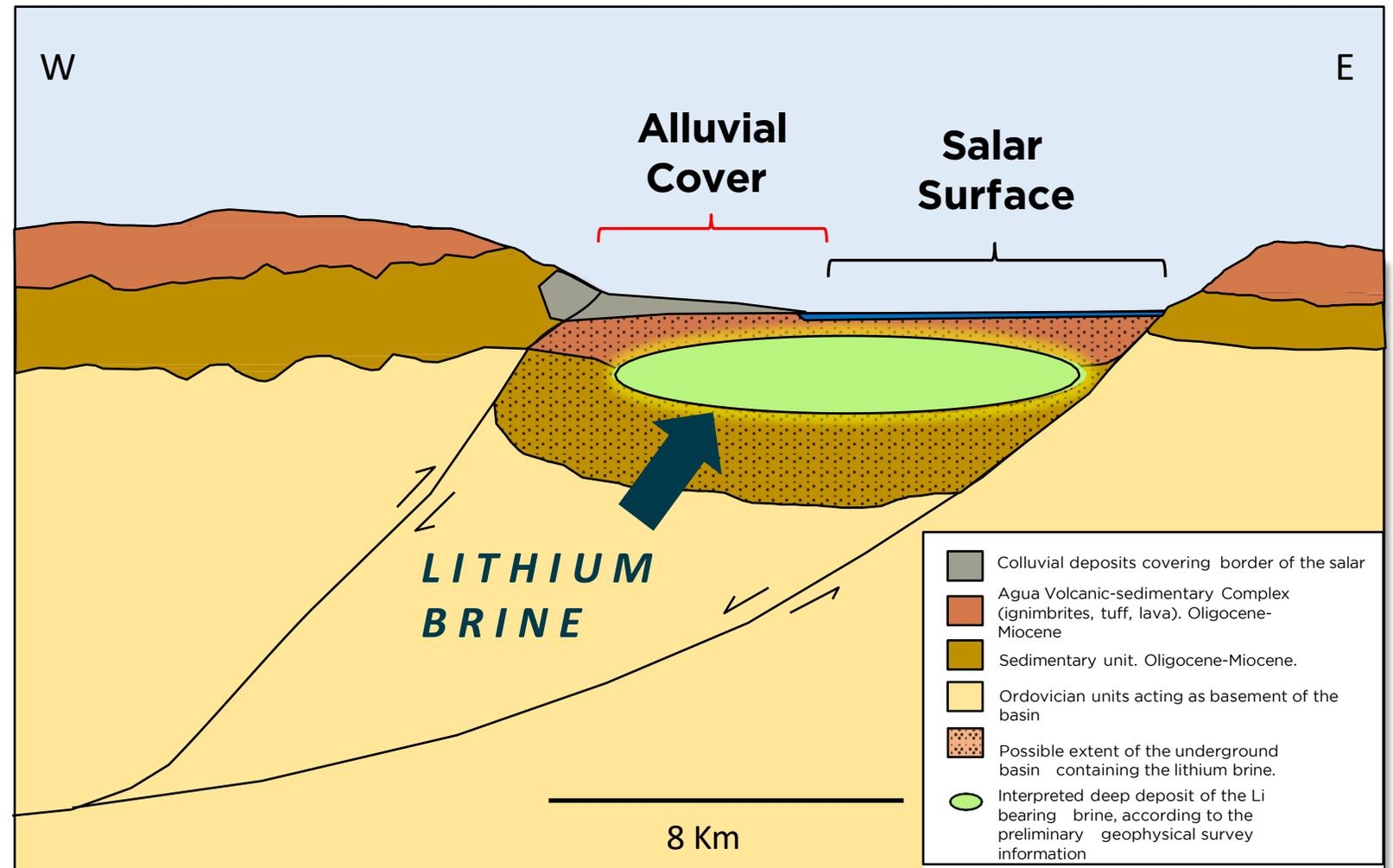
Location - Salta, Argentina

- The closest major Argentinian city - Salta, is located 280 km from the site.
- Easy access to the Chilean port of Antofagasta located 336 km from the border crossing of Socompa, 40 km North of the Rio Grande Project.
- Antofagasta offers **port and rail** facilities and a **full suite** of mining services.

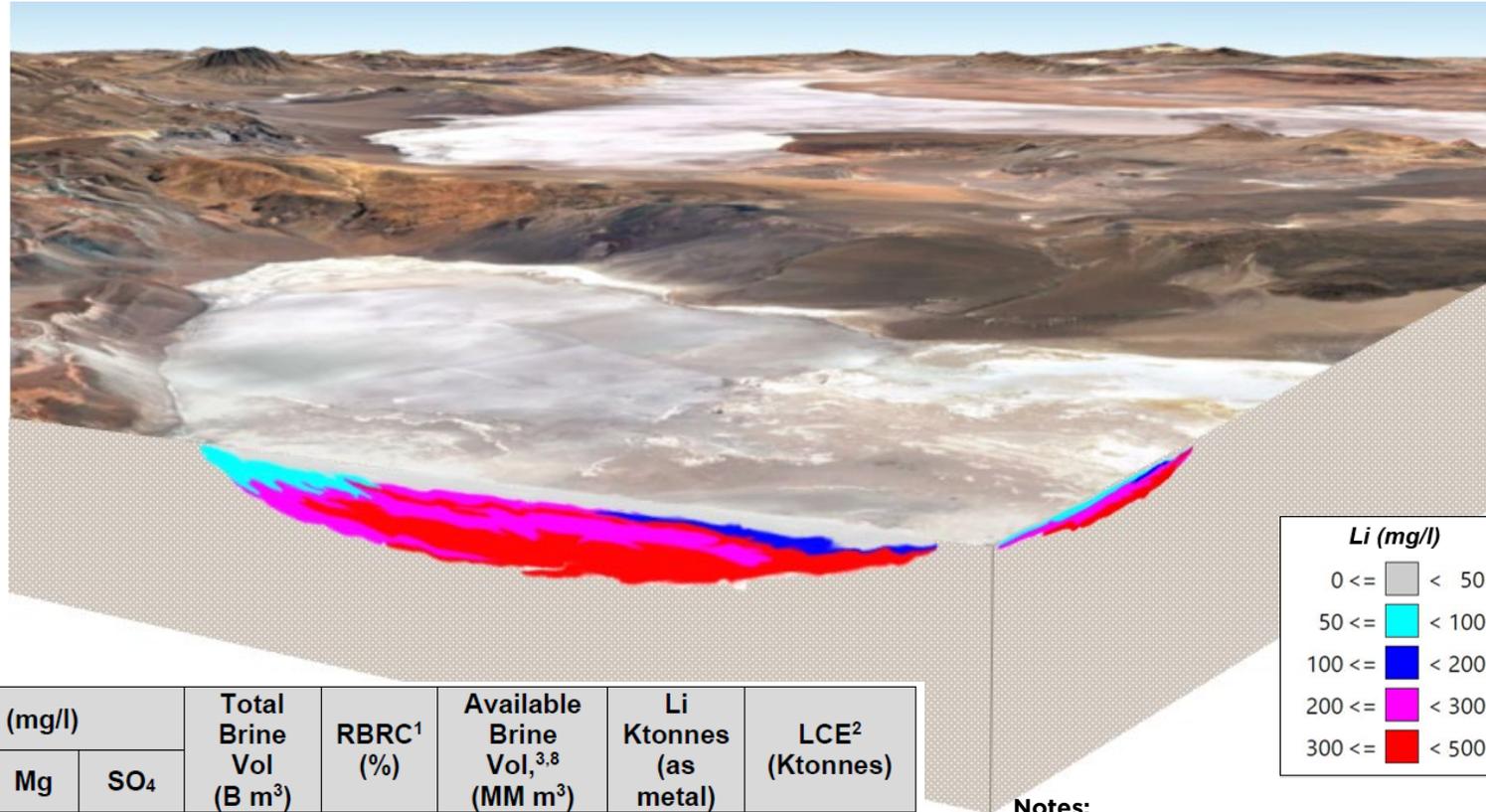


RIO GRANDE SUR GEOLOGICAL FORMATION

- Mature halite salar with favourable geophysical properties likely for brine to extend beyond the salar surface.
- Geophysical CS-AMT survey carried out on the Salar by LSC Lithium (now owned by PlusPetrol) shows high potential for lithium brine bearing formations to a 500m+ depth.
- The geological conceptual model of this deposit shows a basin controlled by a set of faults that dip to the west. The basin is largest to the northwest, where it appears to have its deepest section (proximal to PUR's large Mito tenement).



RIO GRANDE NI43-101 LSC RESOURCE STATEMENT FEB 2018



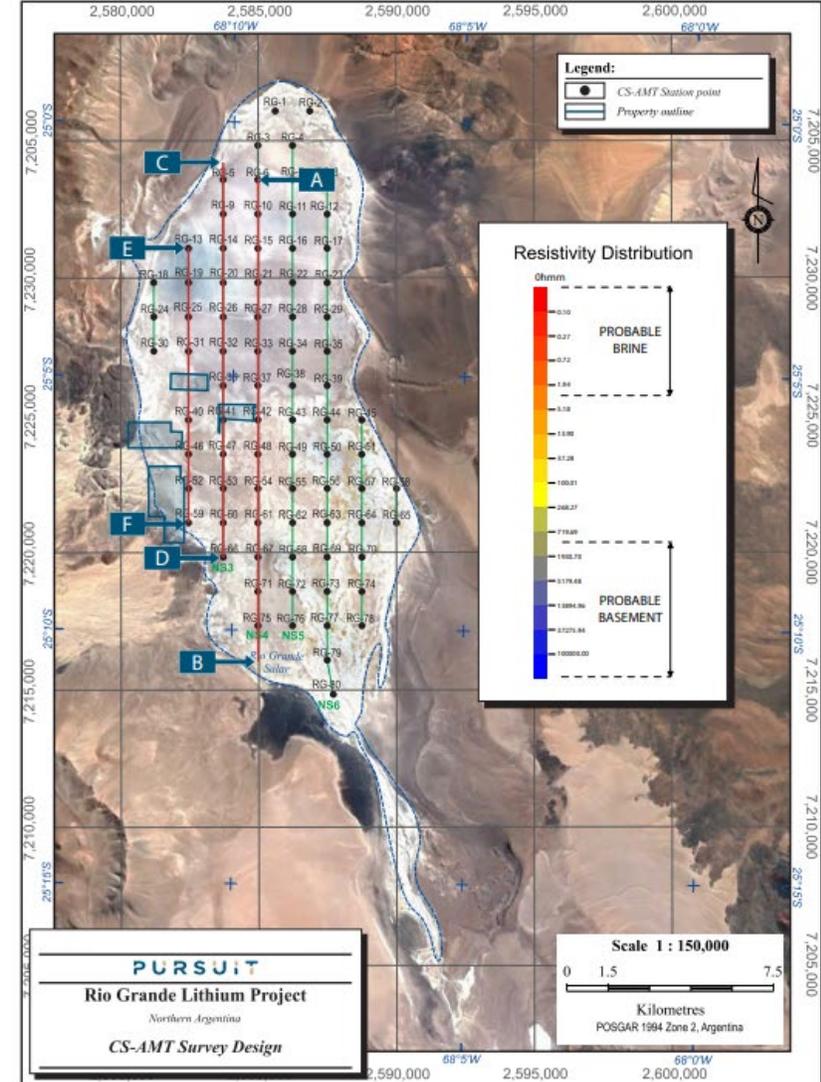
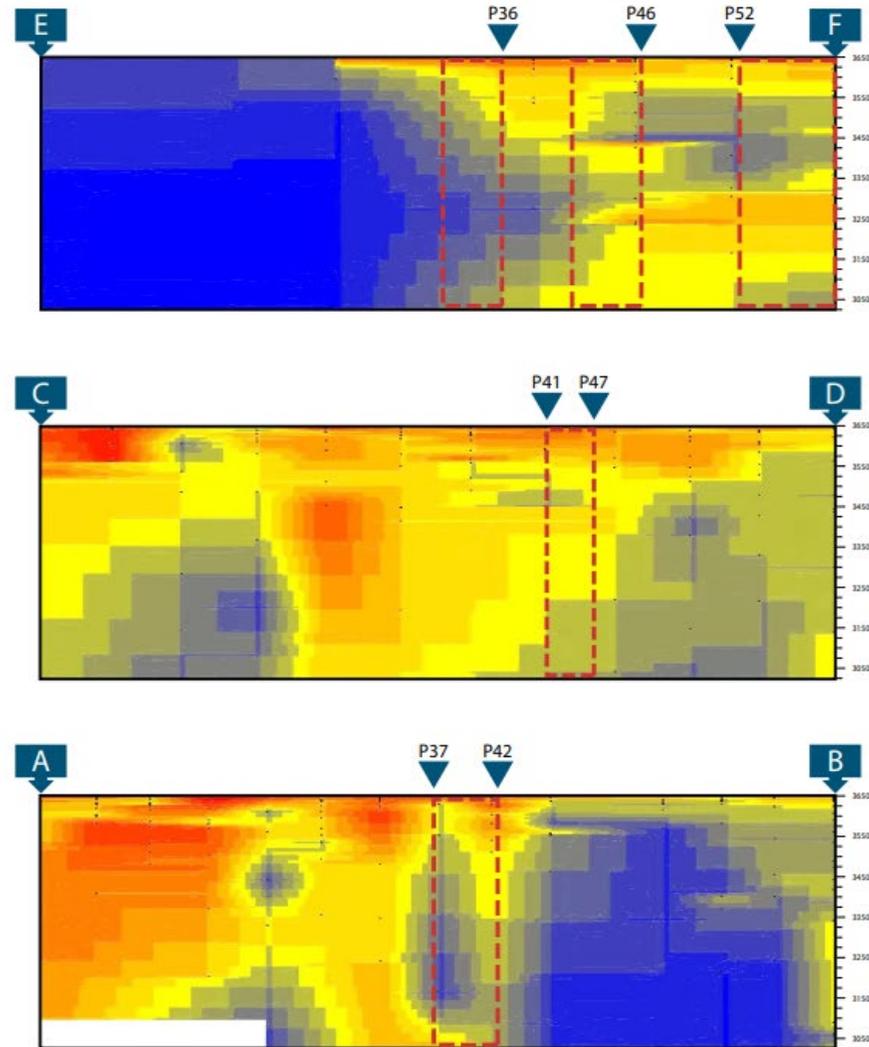
Classification and Zone	Assay Value (mg/l)					Total Brine Vol (B m ³)	RBRC ¹ (%)	Available Brine Vol, ^{3,8} (MM m ³)	Li Ktonnes (as metal)	LCE ² (Ktonnes)
	Li	Ca	K	Mg	SO ₄					
Inferred										
Top 50m, 5km radius of pump well	338	3570	6170	1,320	29,100	4.170	13.5	563.049	190.3	1,013.0
Remaining area, top 50m	338	3,570	6,170	1,320	29,100	2.898	6.95	201.432	68.1	362.4
Sub-total	338	3,570	6,170	1,320	29,100	7.069	10.81	764.482	258.4	1,375.4
Lower 50m – 100m	410	710	7,520	4,920	34,130	7.069	5.28	373.245	153.0	814.6
Total Inferred	374	2,149	6,845	3,129	31,615	14.138	8.05	1,137.727	411.4	2,190.0

Notes:

- 1) Relative Brine Release Capacity.
- 2) Calculated after application of RBRC factor.
- 3) Li metal converted to Lithium Carbonate Equivalent (LCE) using a factor of 5.323.
- 4) A cut-off grade of 100 mg/l of Li was applied as a standard to produce saleable lithium products in an economically profitable manner. It is expected that the extraction and production of brine follow traditional wellfield. The Geochemical properties of the brine also suggest that the production of saleable lithium can be conducted through traditional techniques currently used in lithium brine operations in Chile, the USA and China.
- 5) Resources estimated using CIM 2014 resource classification definitions.

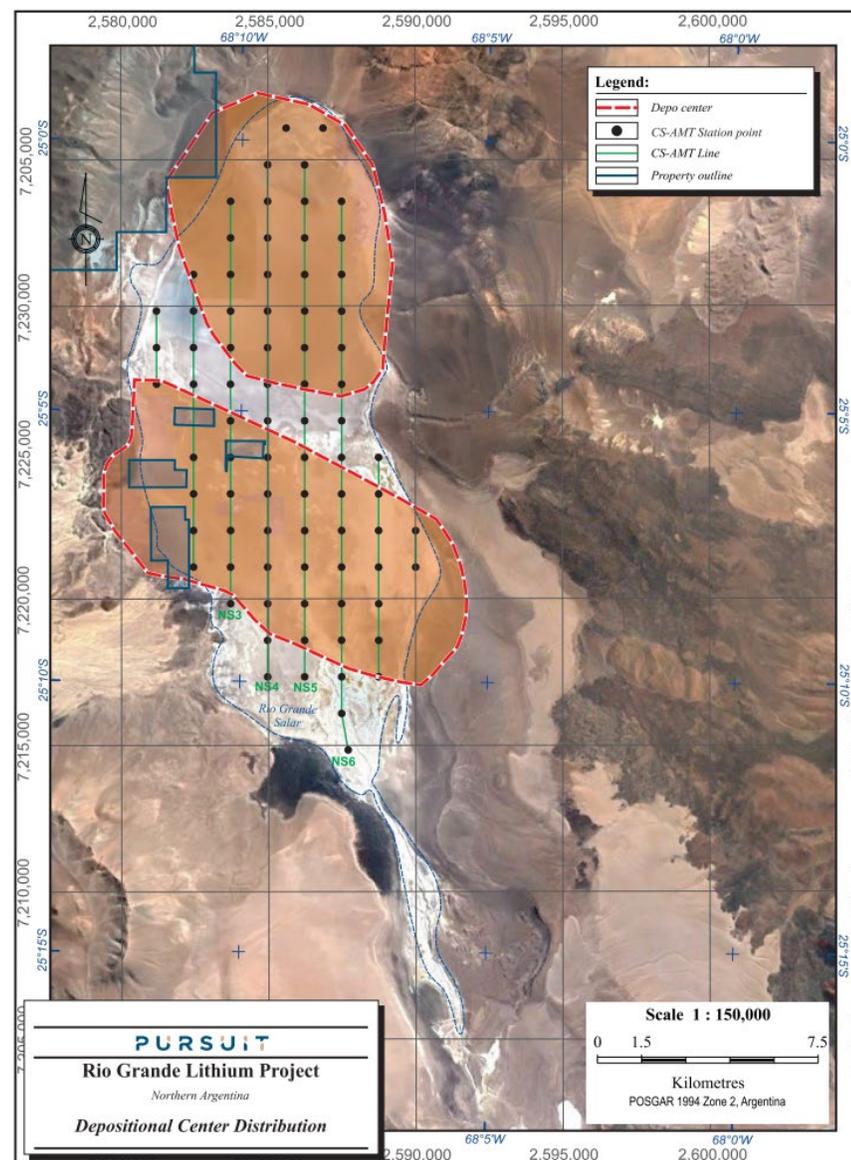
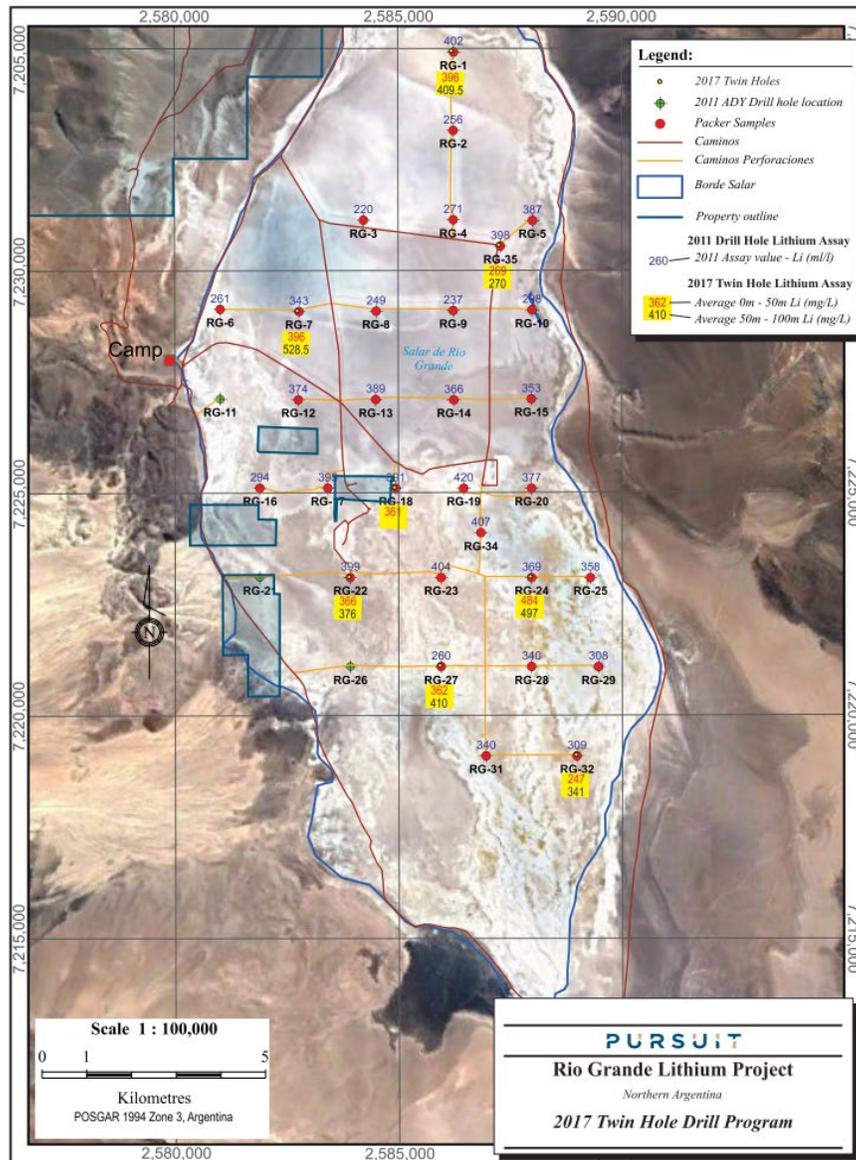
HISTORICAL EXPLORATION - CSAMT SURVEY

- Good regional coverage with historic CSAMT.
- Prior drilling to a depth of 50 meters on border of PUR central tenement:
 - RG-17: 395mg/Li
 - RG-18: 391mg/Li
 - RG-18T: 361mg/Li
- Brine identified at deeper depths. PUR will drill to test this potential in upcoming drill program.



Continuity of mineralisation/presence of deeper Lithium brines is suggested by CSAMT

HISTORICAL DRILL HOLE LOCATION & CSAMT SURVEY

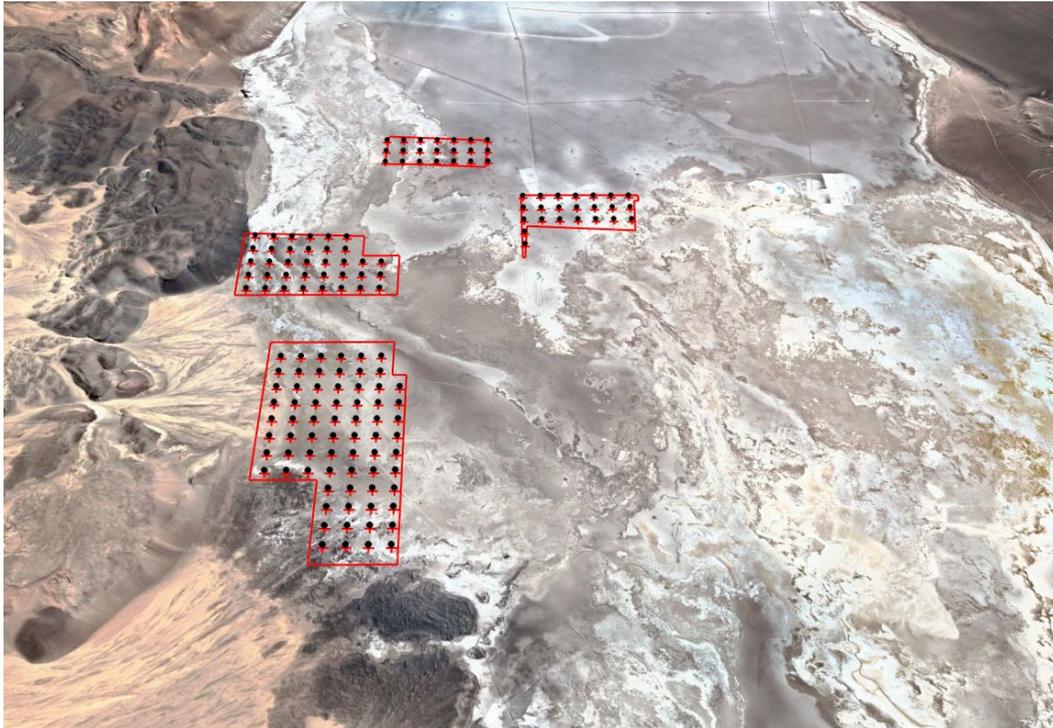


- The interpretation of the CS-AMT survey results defined the presence of two main deep seated depositional centers both open to a depth in excess of 500m.
- The drilling program in 2018 returned positive results of Lithium enriched brines with grades as high as ~550mg/Li. Prior drilling in 2011 returned results ranging between 350-400mg/Li

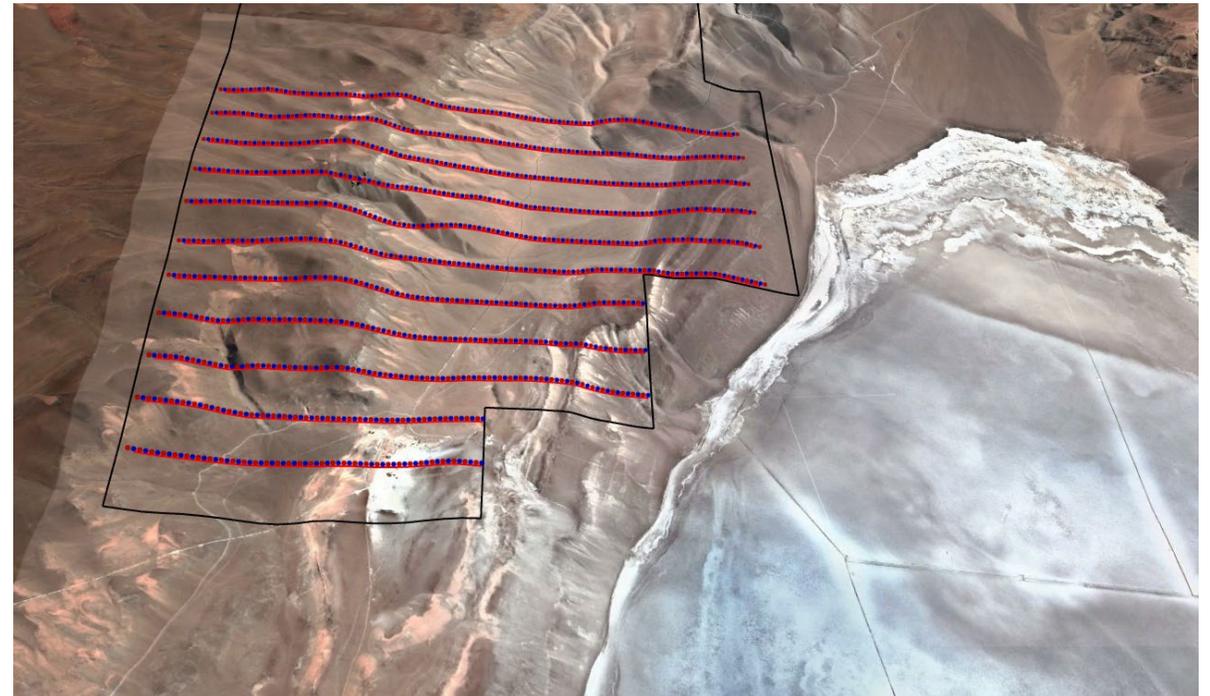
PLANNED TEM & CSAMT SURVEY

- Proposals received and plan to commence immediately following settlement of Trilogy deal.
- Designed to complement the existing geophysical data and assist with identification of the best drilling locations for the proposed campaign in mid-2023.
- Focus on confirming the proven shallow lithologies as well as geological structures to depths in the range of 250m to 300m.

Salar Tenements

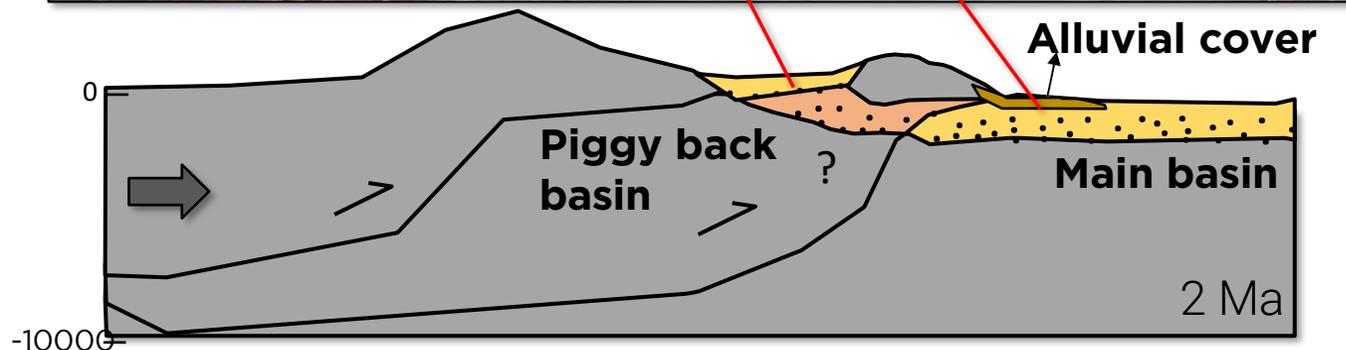


Northern Quadrant



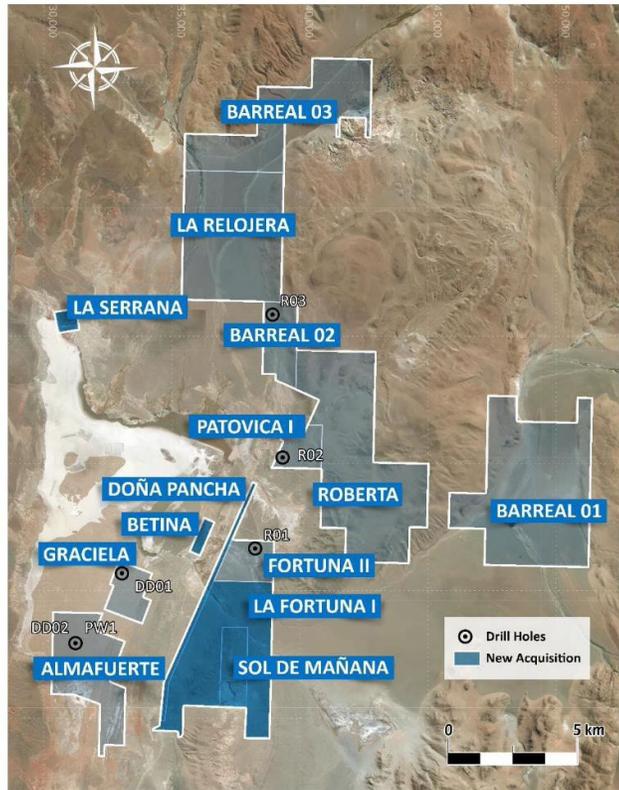
NORTHERN TENEMENT UPSIDE POTENTIAL

- Preliminary exploration work indicates potential resource upside consistent with other mature salars (eg Rincon and Hombre Muerto).
- Strong possibility of a piggyback basin to the north-west of Rio Grande Salar. Drilling and CS-AMT surveys show the brine depocenter to the north where the basin extends under covering alluvial andecites and breccias.
- The geological model indicates the possible presence of brines beneath quaternary alluvial cover. Moreover, a subbasin may be connected by permeable units with the main basin.
- This geological model has been confirmed by similar deposits in different salars such as Argosy Minerals at the Rincon Salar, Arena Minerals at the Pastos Grandes Salar, Power Minerals at the Icahuasi Salar and Galan Lithium at Hombre Muerto.



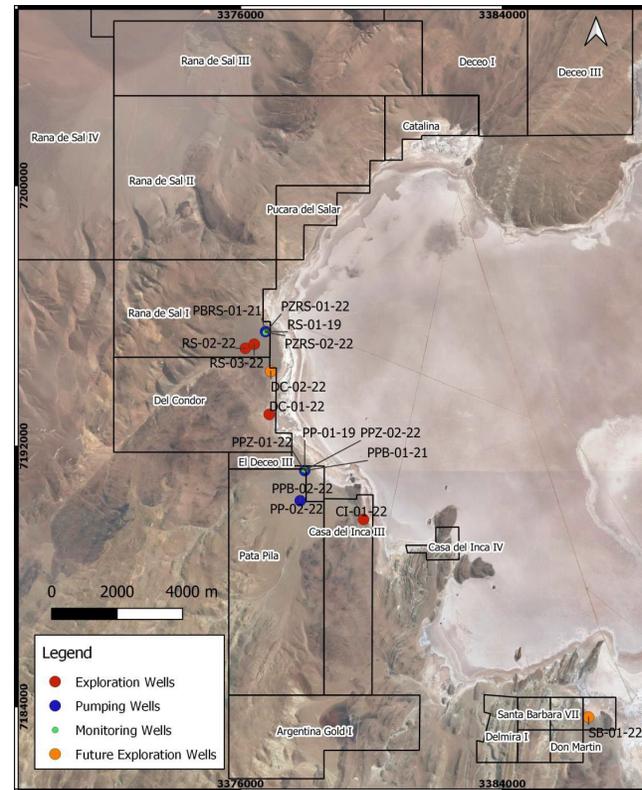
Model and picture modified from García Castellanos *et al*, 1997.

ADJACENT GEOLOGICAL EXAMPLES



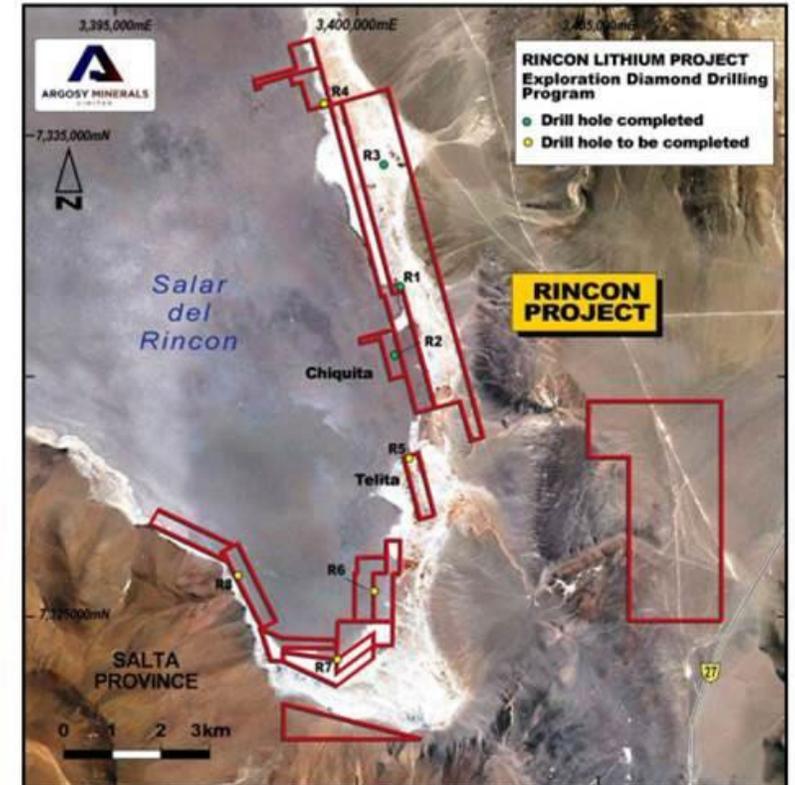
Arena Minerals

- Hole R03 in Pastos Grandes Basin
- 90m (90-180m) avg 538 mg/L Li
 - 255m (365-620m) avg 41 mg/L Li



Galan Lithium

- All claims in HMW basin
- ~\$500M market cap
 - 6Mt LCE resource

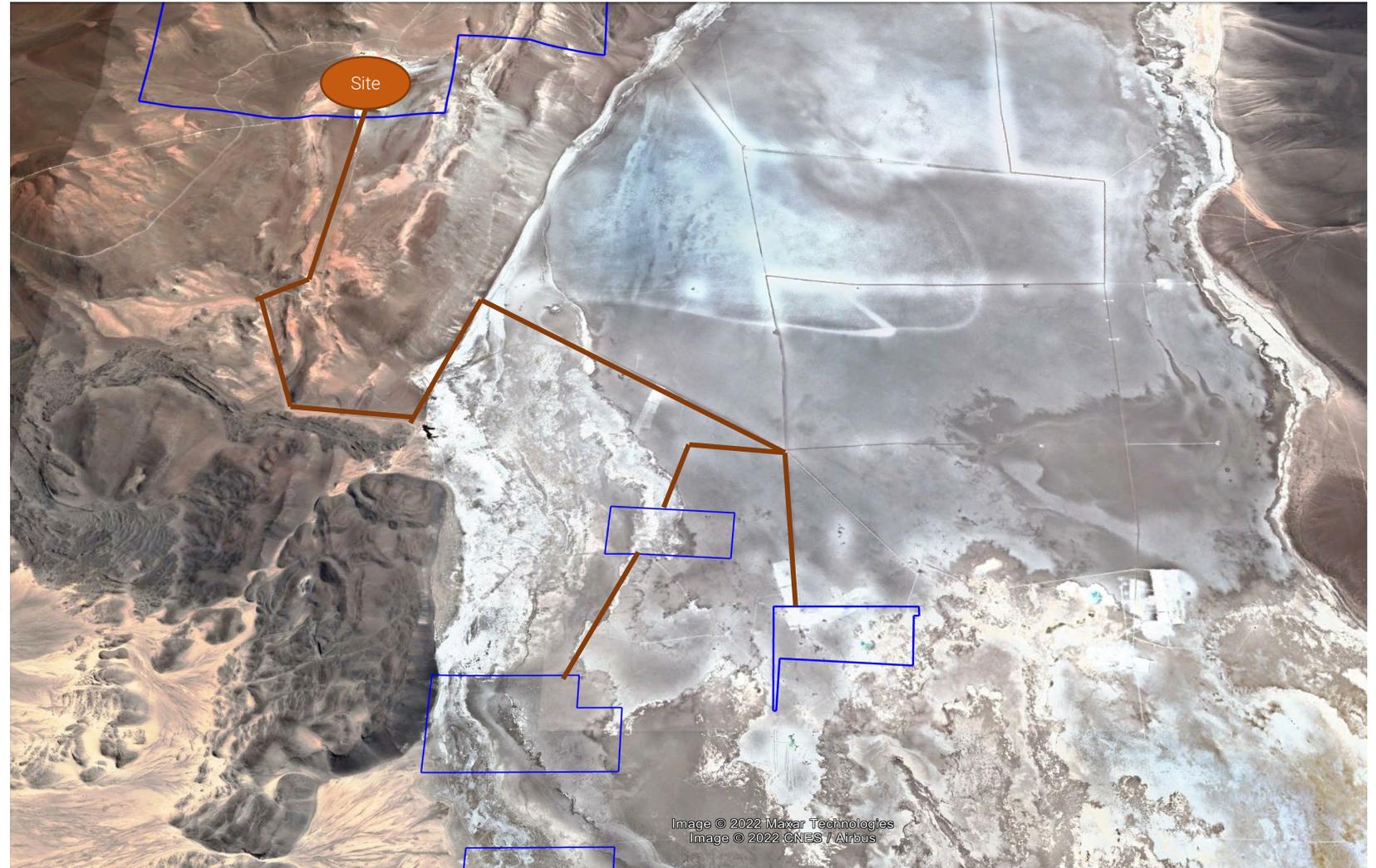


Argosy Minerals

- Claims at Rincon salar
- ~\$1BN market cap
 - ~250kt LCE resource

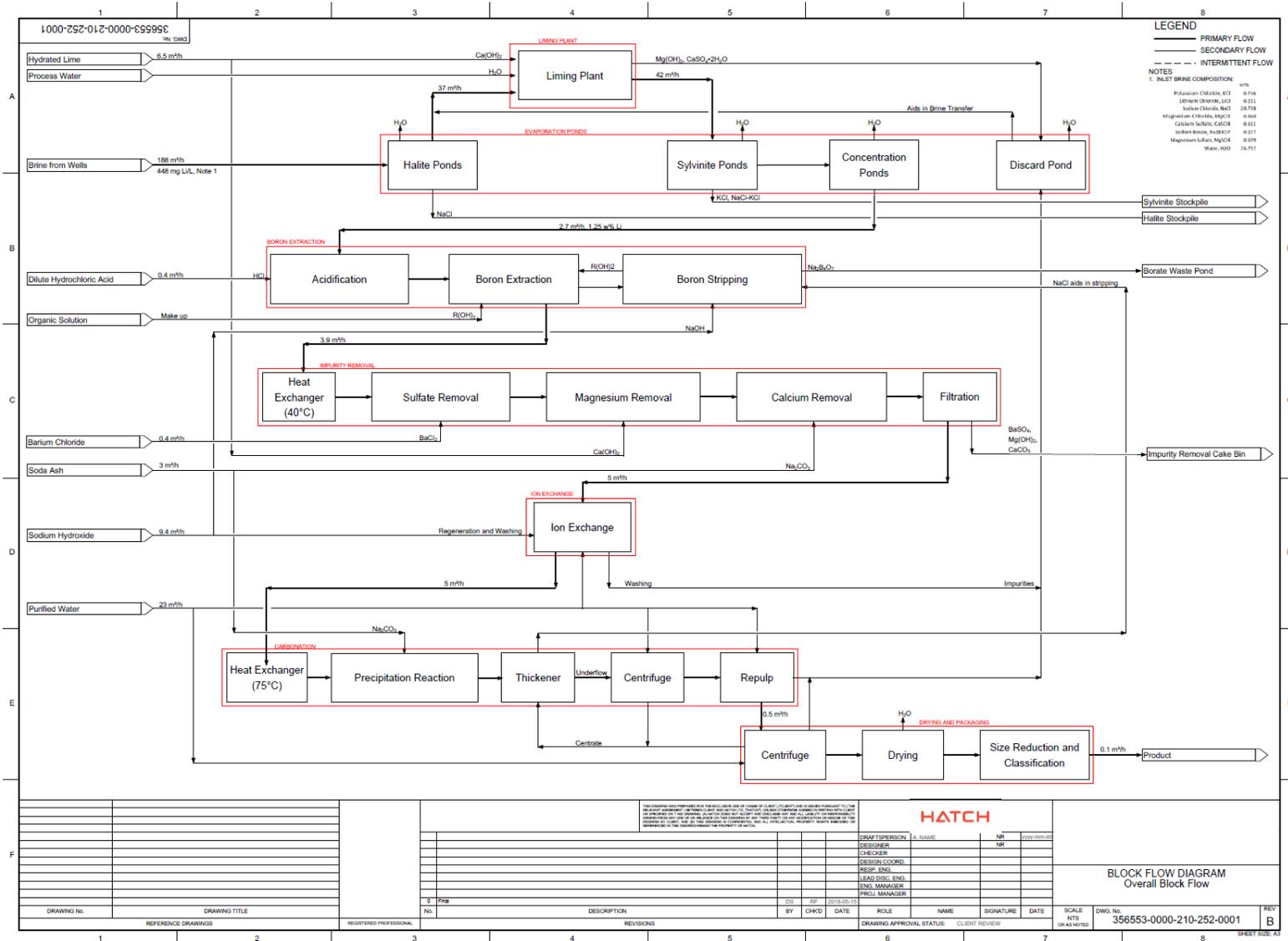
RIO GRANDE SUR SERVICE ROUTE

- In Argentina, exploration permits include the right to request that the mining authority grant all easements or servitude necessary to undertake the appropriate exploration work.
- The route to site for the servitude is outlined on the existing service roads on the Salar.

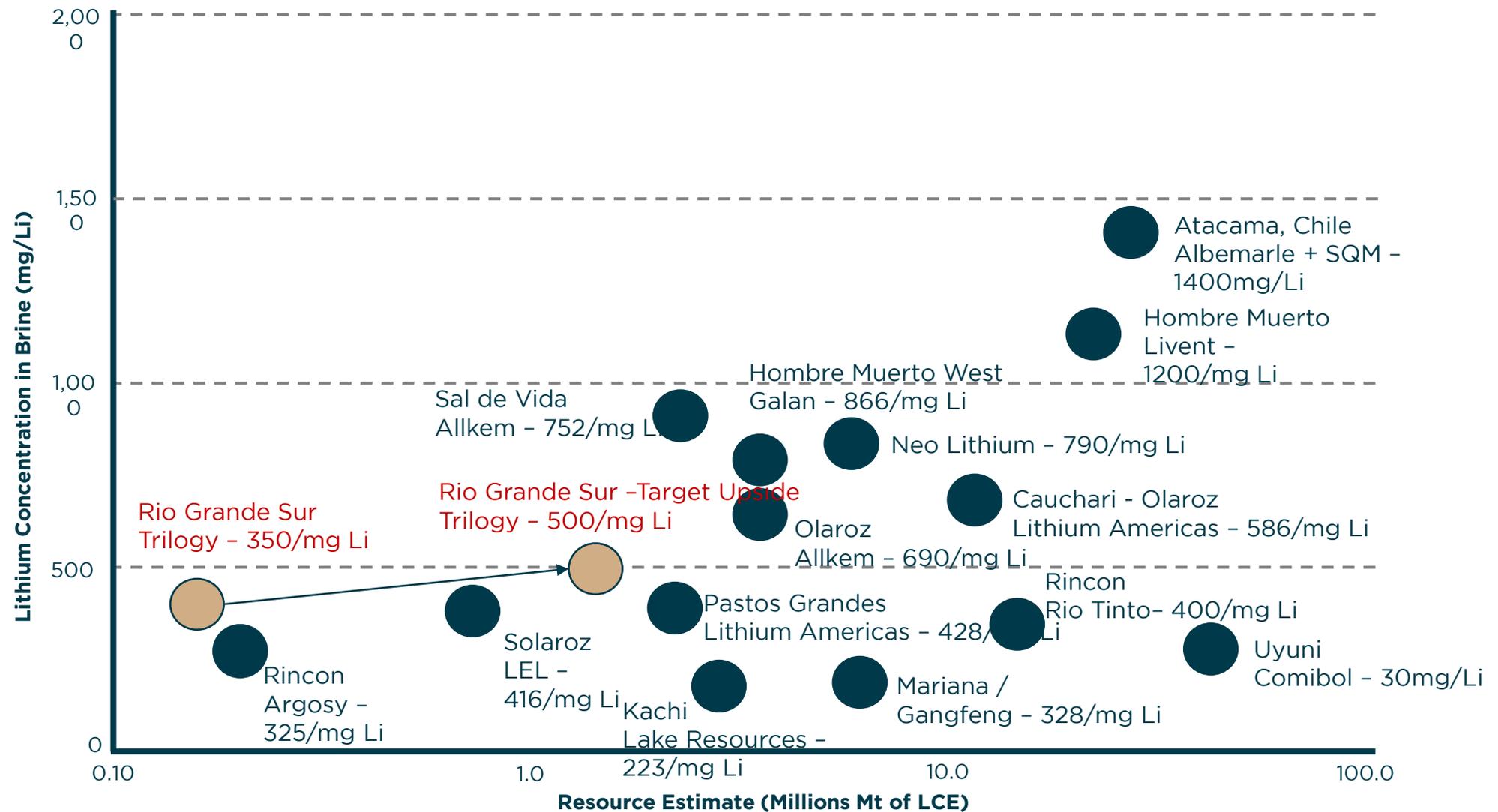


LITHIUM CARBONATE PRODUCTION FROM DEMONSTRATED PROCESS

- During the initial appraisal stage of the Rio Grande Sur Project, PUR will look to construct a 2,000tpa Lithium Carbonate Stage 1 Production Plant, located at site with evaporation ponds constructed at the northern end of the Rio Grande Salar within the Mito tenement.
- The well field is envisaged to supply the pilot plant with an average of 52.3 L/s of brine from the Salar. This brine has an average concentration of 400 mg/L lithium ions.
- The processing method of the pilot plant is based on typical industry practices.
- Modest funding for this plant will be sought from end user manufacturers seeking to secure supply of Lithium Carbonate.

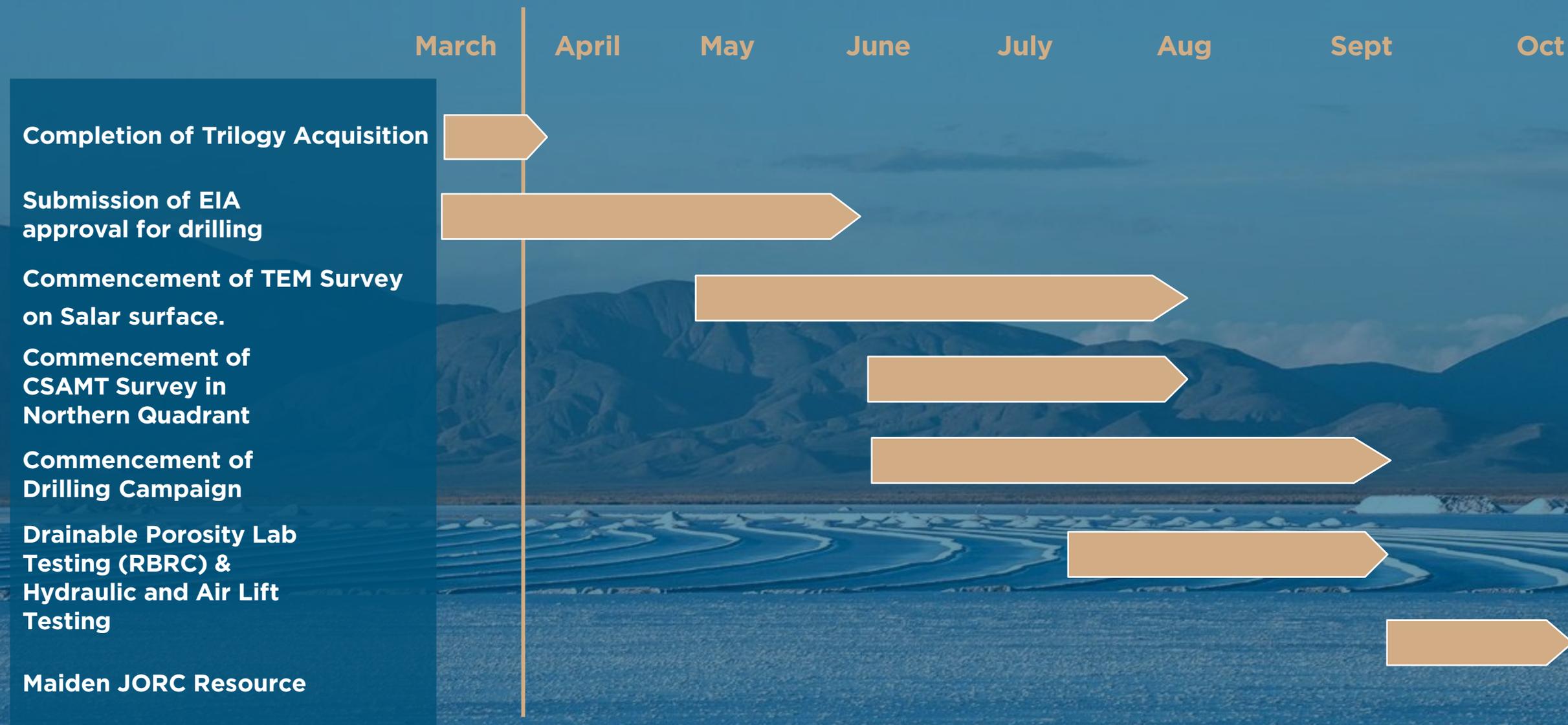


GLOBAL BRINE RESOURCE COMPARISON



GO FORWARD PLAN 2023

Timetable of Events



* Subject to availability of contractors

ESG – COMMITMENT TO SUSTAINABILITY

Pursuit Minerals is committed to creating long-term value for all our stakeholders through integrating ESG best practice into the ongoing development of the Rio Grande Sur Project



Transparency & Accountability

Transparent corporate governance ensures we are accountable to all our stakeholders. We strive to ensure that appropriate checks and balances are carried out to safeguard ownership at all levels of the business.



Health, Safety and Security

The health, safety and wellbeing of our employees is at the forefront of everything we do. We implement the highest standards of safety to mitigate risks in the workplace.



Environmental Management

We operate in an environmentally responsible manner, minimizing the impact of our activities and, where possible, aiming to improve and enhance the environment in which we operate. A planned unique combination of solar and waste steam utilisation gives our project one of the lowest carbon footprints available



Constructive Stakeholder Engagement

We value the trust and support from our local stakeholders. We endeavor to work collaboratively with them to deliver shared value. Engaging with the townships of Tolar Grande and San Antonio de Los Cobres are the cornerstone of this workstream.



Our People

We are committed to employing locally, upskilling our workforce, respecting all cultures and promoting diversity and inclusion.



Sustainable Development

In exploration, development and production, sustainable practices are of paramount importance to the future of our Company.



WA ASSET PORTFOLIO - HIGHLY PROSPECTIVE GOLD/NICKEL PROJECTS

Three highly prospective and complementary projects in Tier 1 jurisdiction WA

Warrior (100%) - PGE-Ni-Cu/Gold/REE

- 20km north & 170km northeast of Chalice's high-grade Gonneville PGE-Ni-Cu discovery on the Julimar Project with highly prospective landholding >648km²
- AC drilling at Ablett located +800m zone of gold mineralisation and TREEO up to 0.31%, drilling currently underway to extend this

Commando (100%) - Au

- 11 tenements covering ~30km² just 30km north of Kalgoorlie, proximal to Golden Cities (+1.5Moz) and Paddington (+5Moz) gold mines
- Pursuit auger geochemistry located 4 new gold prospects AC drilling found BOH gold mineralisation similar to Golden Cities early results, results up 3.09 g/t Au, existing gold calculation at Oriental, 900m from Havana pit

Combatant (100%) - Au

- 2 exploration licences 210 km west of Meekatharra cover 404 km² with potential for orogenic gold as ASTER data indicates alteration patterns similar to orogenic gold systems. Ultramafics identified in early field work.
- The Combatant tenement applications cover part of the Narryer Terrain as interpreted by Dessert Metals (ASX: DM1) and the Geological Survey of Western Australia GSWA



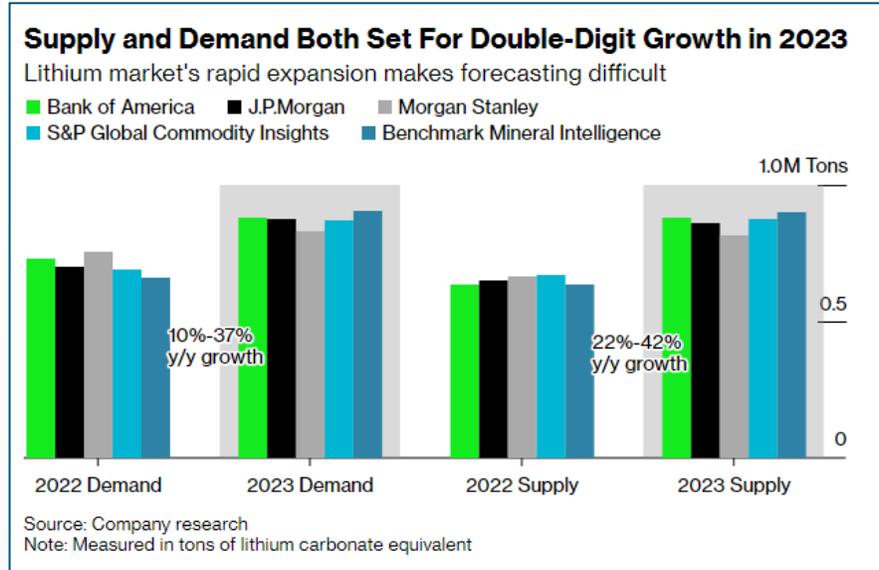
LITHIUM MARKET TRENDS

Mature miners losing grip on the market; Juniors thrive as EV adoption causes explosive growth in demand.

The outlook for lithium consumption has improved significantly since mid-2016, following much stronger forecasts for xEV requirements led by government targets/mandates and manufacturers' plans.

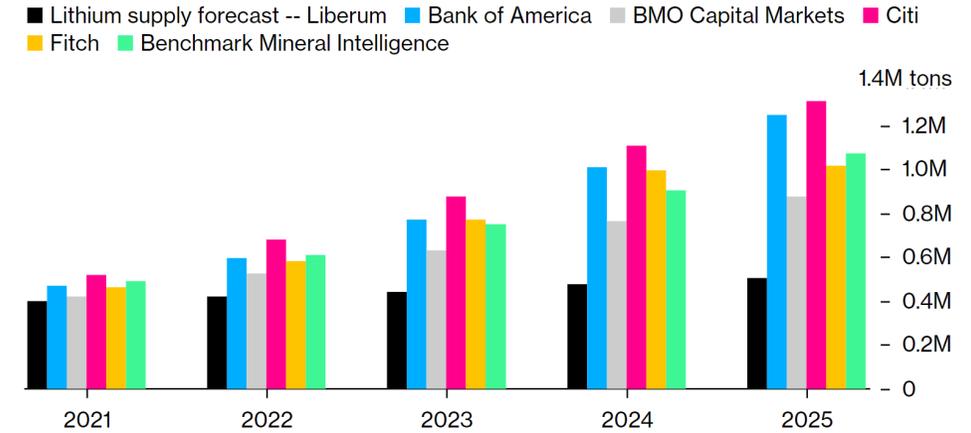
Roskill now expects lithium consumption to approach 1Mt LCE in 2028, an 18.2%py increase from 2017, in the base-case scenario; this represents a five-fold increase in consumption. Growth will, however, be more moderate in the short-term, with 12%py growth to 2022 when the market could reach 373,600t LCE, before accelerating in the mid-2020s.

Consumption of lithium in volume terms will continue to be driven by the Li-ion battery sector, increasingly for automotive use, with rechargeable batteries forecast to register 22.4%py growth through to 2027, reaching 731,400t LCE.



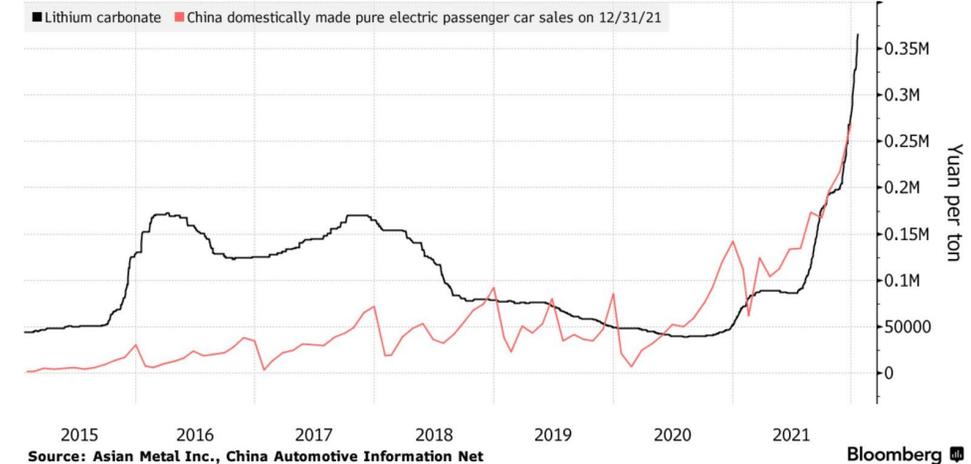
Electric Revolution

Analysts expect electric cars to drive explosive growth in lithium demand



Explosive Growth

Lithium surges as Chinese electric-vehicle sales go into overdrive





PURSUIT

MINERALS

Office

Suite 4, 246-250
Railway Parade
West Leederville, WA
6007

Telephone —
+61 8 6500 3271

Website

pursuitminerals.com.au

Email —
info@pursuitminerals.com.au