

# Tres Quebradas(3Q) Lithium Project Corporate Presentation

November 2018  
TSX.V:NLC; OTCQX:  
NTTHF; FSE:NE2  
[www.neolithium.ca](http://www.neolithium.ca)

# Forward-Looking and Cautionary Statements

## **Scientific and Technical Information**

The scientific and technical information of this presentation has been reviewed and approved by Dr. Waldo Perez, Ph.D., P. Geo., a qualified person pursuant to National Instrument 43-101 of the Canadian Securities Administrators. Mr. Perez is the President and CEO of the Company, and is a Ph.D in Geology with a technical background in mineral exploration, including lithium brines. Additional technical and exploration information on the 3Q Project is available in the Company's technical report entitled "Updated Mineral Resource Estimate Technical Report on the Tres Quebradas Lithium Project Catamarca Province, Argentina", with an effective date of August 15, 2018 (the "**Technical Report**"). Information about the potential economic viability of the 3Q Project included in this presentation is based on the previously announced results of a preliminary economic assessment ("**PEA**") conducted on the development of the 3Q Project by the Company. The Company has reported an increase in its estimates of mineral resources since the PEA was completed and the results announced, and has not yet completed an economic study of the 3Q Project taking the larger mineral resource estimate into account. While the Company does not expect mineral extraction methods to change as a result of the increased mineral resource estimate, and therefore considers the PEA relevant as a preliminary indication of the potential economic feasibility of the 3Q Project, as a result of the increase in the larger mineral resource estimate and developments in the lithium market from the effective date of the Technical Report to the date of this presentation, certain economic and other parameters that apply to the PEA may no longer be current. Therefore the Company is, and readers should, treat the PEA only as a relevant preliminary indicator of the economic potential of, and not a current economic assessment of, the 3Q Project, subject to the assumptions and parameters of the PEA.

## **Cautionary Note Regarding Forward-Looking Information**

This presentation contains "forward-looking information" within the meaning of applicable Canadian securities laws, which may relate to the Company's future outlook and anticipated events or results. In some cases, but not necessarily all cases, forward-looking information can be identified by the use of forward-looking terminology such as "plans", "targets", "expects" or "does not expect", "is expected", "an opportunity exists", "is positioned", "estimates", "intends", "assumes", "anticipates" or "does not anticipate" or "believes", or variations of such words and phrases or state that certain actions, events or results "may", "could", "would", "might", "will" or "will be taken", "occur" or "be achieved". In addition, any statements that refer to expectations, predictions, indications, projections or other characterizations of future events or circumstances contain forward-looking information. Statements containing forward-looking information are not historical facts but instead represent management's expectations, estimates and projections regarding future events.

Forward-looking statements in this presentation may include statements regarding management's beliefs, expectations or intentions regarding lithium production, electric vehicle and energy storage industry trends, market growth rates and the Company's future growth rates, plans and strategies, projections of commodity prices and costs, the future financial or operating performance and condition of the Company, including its business, operations and properties, planned exploration and development activities and the costs and timing thereof, trends in lithium usages and applications, future global battery consumption, the use of the PEA (as defined below) as an indication of potential positive economic outcomes from the development of the 3Q Project, the adequacy of the Company's financial resources, Argentina as an attractive place to conduct business, and the timing, receipt and maintenance of approvals, consents and permits under applicable legislation. The foregoing list of forward looking statements should not be construed as exhaustive.

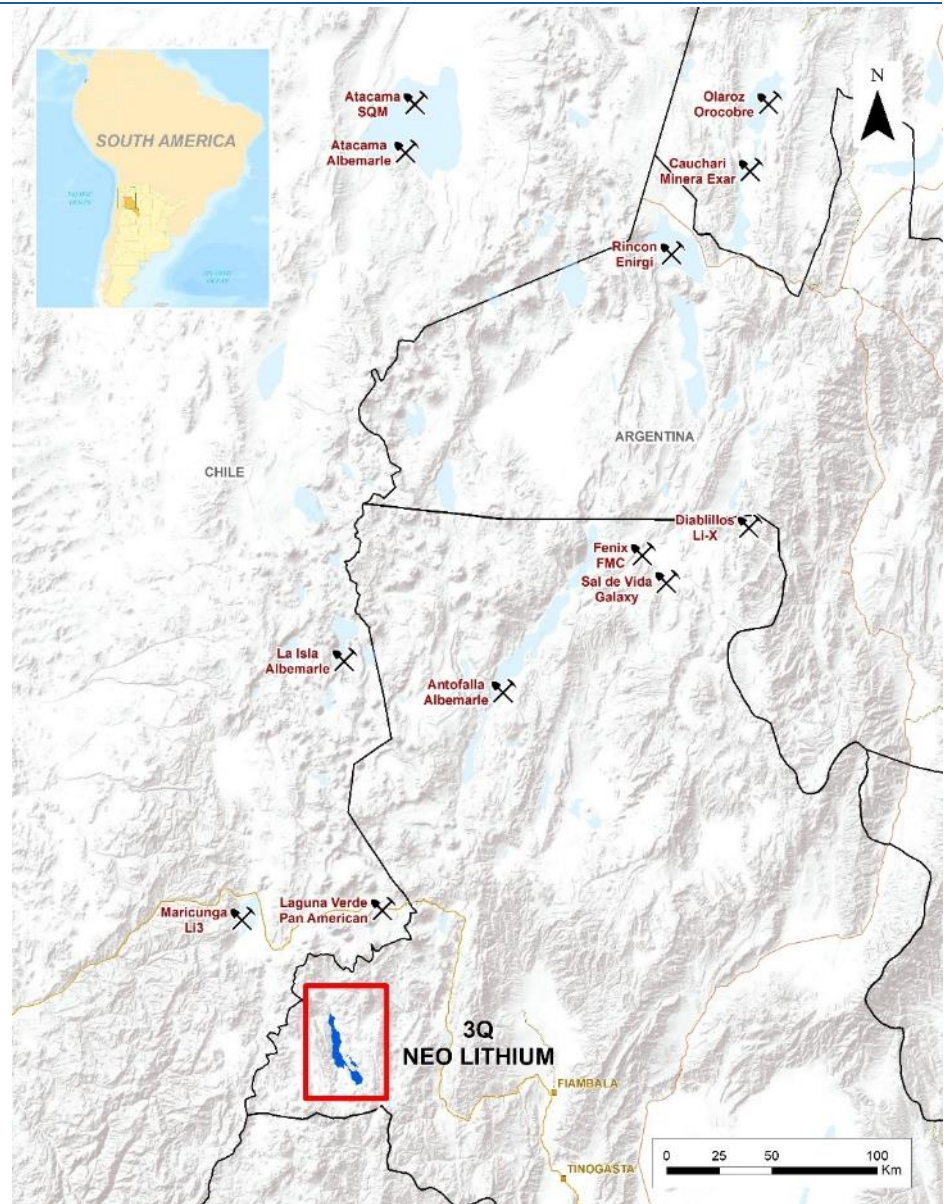
These statements and other forward-looking information are based on opinions, assumptions and estimates made by the Company in light of its experience and perception of historical trends, current conditions and expected future developments, as well as other factors that the Company believes are appropriate and reasonable in the circumstances as of the date of this presentation, including, without limitation, assumptions about the ability to raise additional capital; future prices of lithium; the Company's competitive advantages; current market and end-user and product dynamics; and the timing and results of drilling and pilot testing programs. There can be no assurance that such estimates and assumptions will prove to be correct. If any of the assumptions or estimates made by management prove to be incorrect, actual results and developments are likely to differ, and may differ materially, from those expressed or implied by the forward-looking information. Accordingly, readers are cautioned not to place undue reliance on such information. The foregoing list of assumptions should not be construed as exhaustive.

While such opinions, assumptions and estimates are considered reasonable by the Company as of the date such statements are made, they are subject to known and unknown risks, uncertainties, assumptions and other factors that may cause the actual results, level of activity, performance or achievements to be materially different from those expressed or implied by such forward-looking information, including but not limited to future requirements for additional capital, a limited operating history, the demand for and prices of lithium, property title risk, exploration risk, mineral processing risk, uncertainty in relation to mineral resource estimation, and governmental regulation of the mineral exploration and development industry. These factors and assumptions are not intended to represent a complete list of the factors and assumptions that could affect the Company.

The Company does not undertake any obligation to publicly update or revise any forward-looking statements, whether as a result of new information, future events or otherwise, except as required by applicable securities laws.

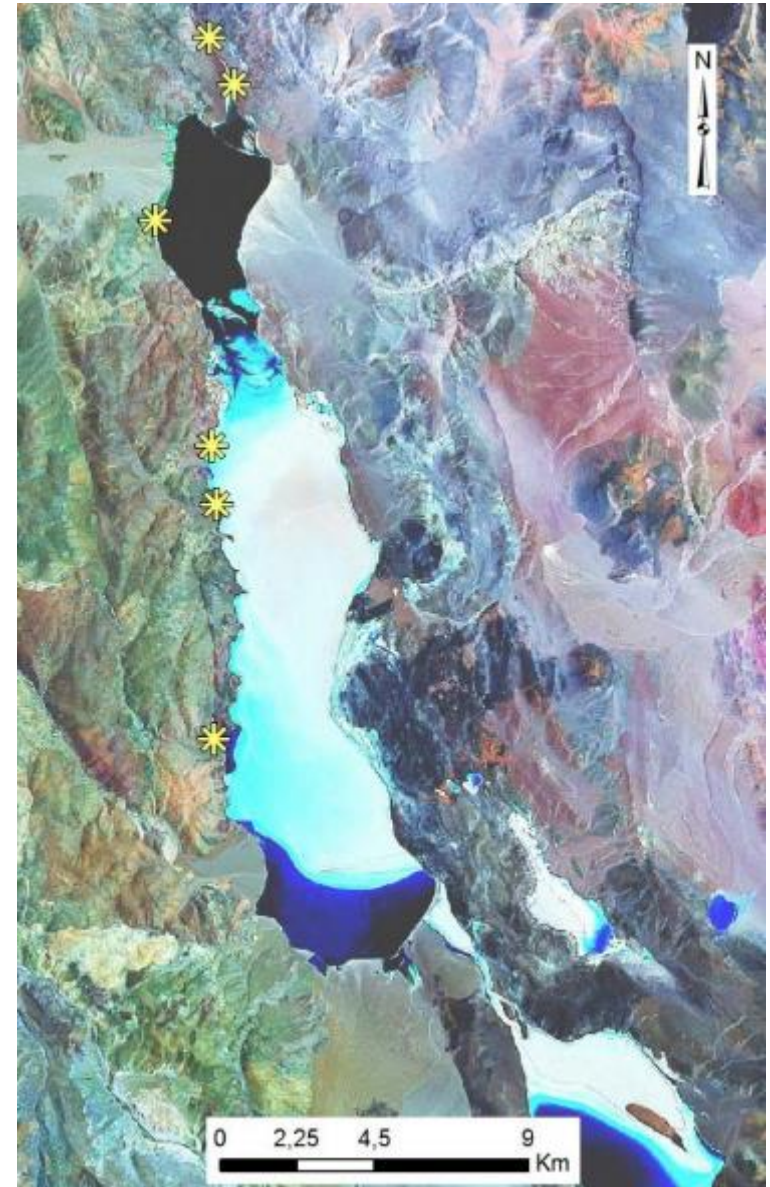
# Location

- Project is located 30km from the Chilean border in the Province of Catamarca, Argentina.
- The company controls a total of **350km<sup>2</sup>** up to the border with Chile
- Project is easily accessed through a provincial highway and a recently upgraded project road
- Railroad access to Buenos Aires port from nearby town
- **100% ownership** of the entire salar complex with no option payments
- No inhabitants or aboriginal communities in the area
- Surface easement for mine construction granted by mining authorities



## 3Q Project

- The project is located at 4,000 masl and has similar evaporation rates as other salars in the Puna Plateau
- Salar and brine reservoir complex that includes three brine reservoirs and three salars
- There is only one example in the world of a brine lake: Zhabuye (in China) and is a producing lithium mine
- Geothermal springs (yellow stars on map) feed the northern part of the project
- The geothermal springs contain high grade lithium and feed into the lakes and salars
- Isotopic and mass balance studies proves that the lithium mineral deposit is still in formation by evaporation from the lakes
- Approximately 3,000 tonnes of lithium carbonate equivalent per year enter the salar through the hot springs

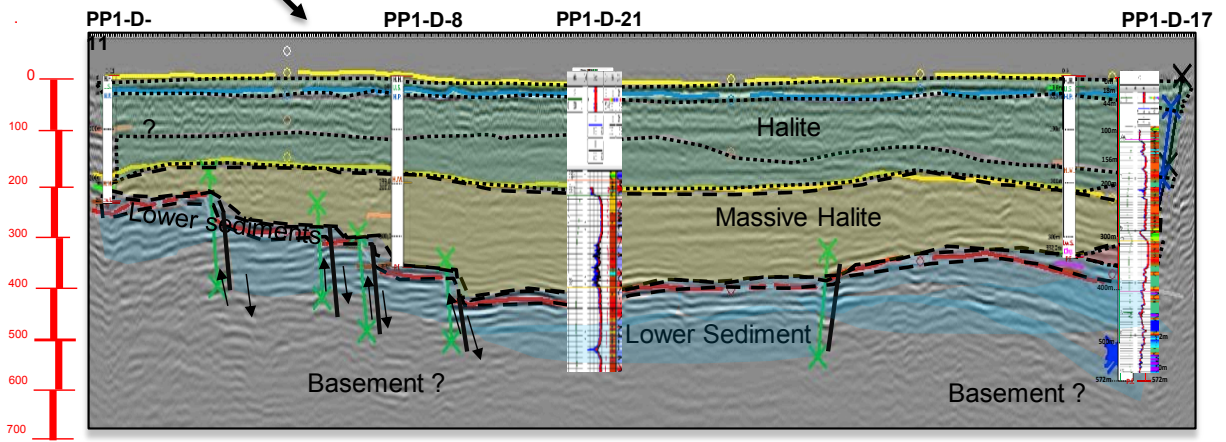
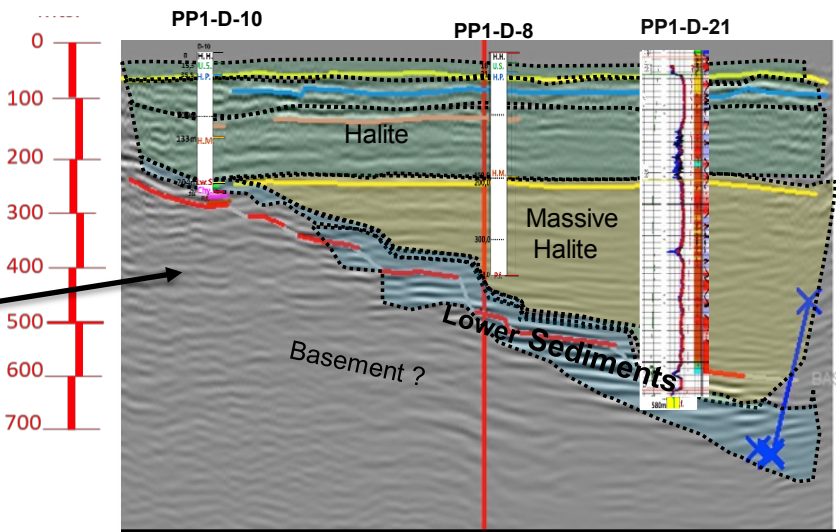
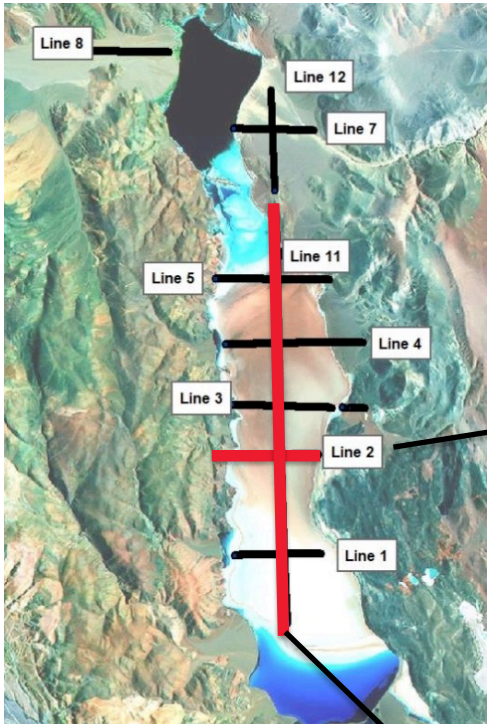
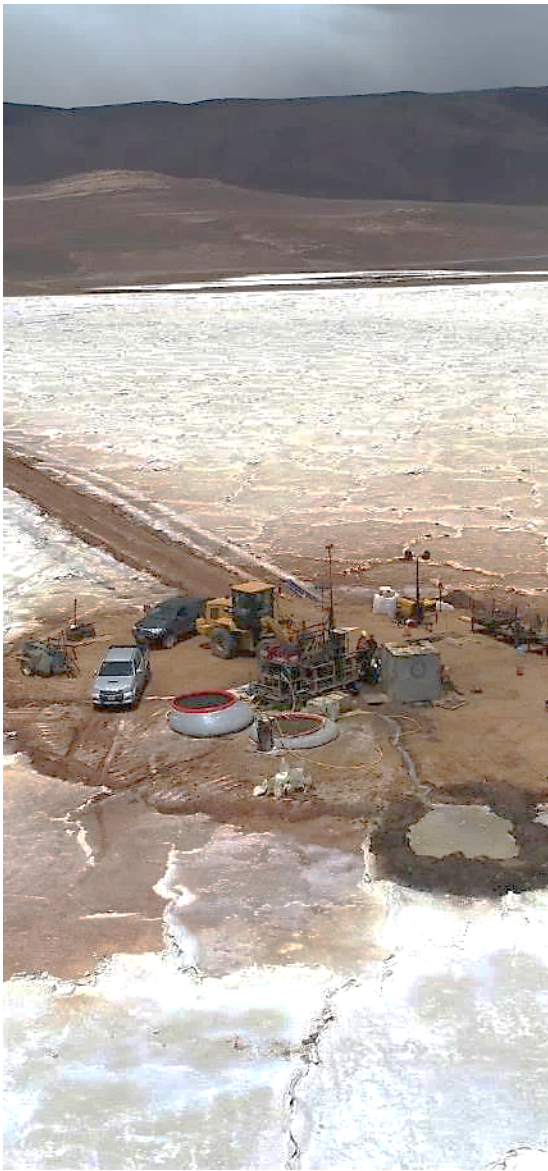


# LITHIUM BRINE Reservoir and Salar Complex

- 3Q is an active lithium deposit still in formation where the lake enhance evaporation in the salar and increase the grade and the size of the deposit even today

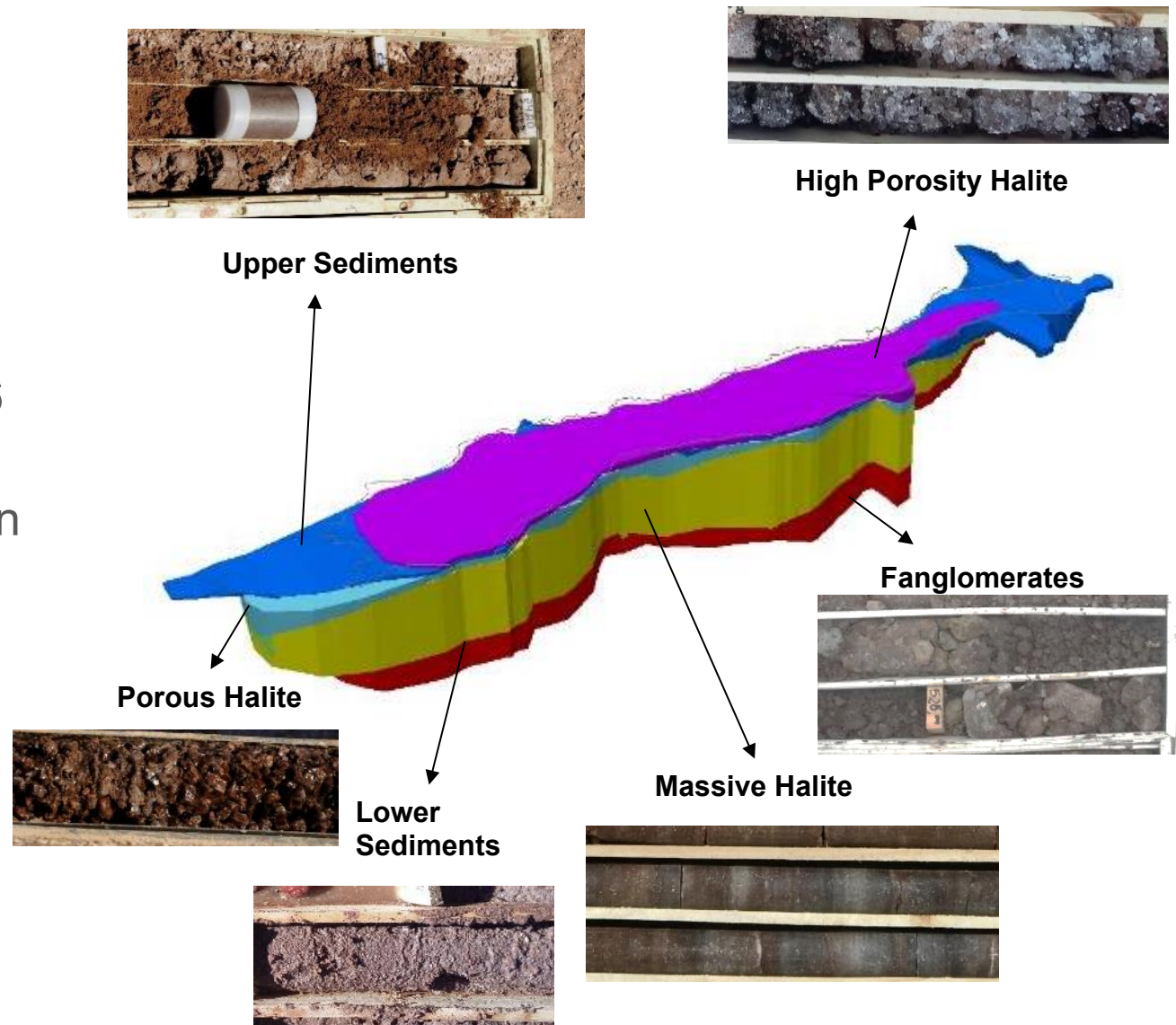


# Geophysical Seismic Work Combined with Drilling

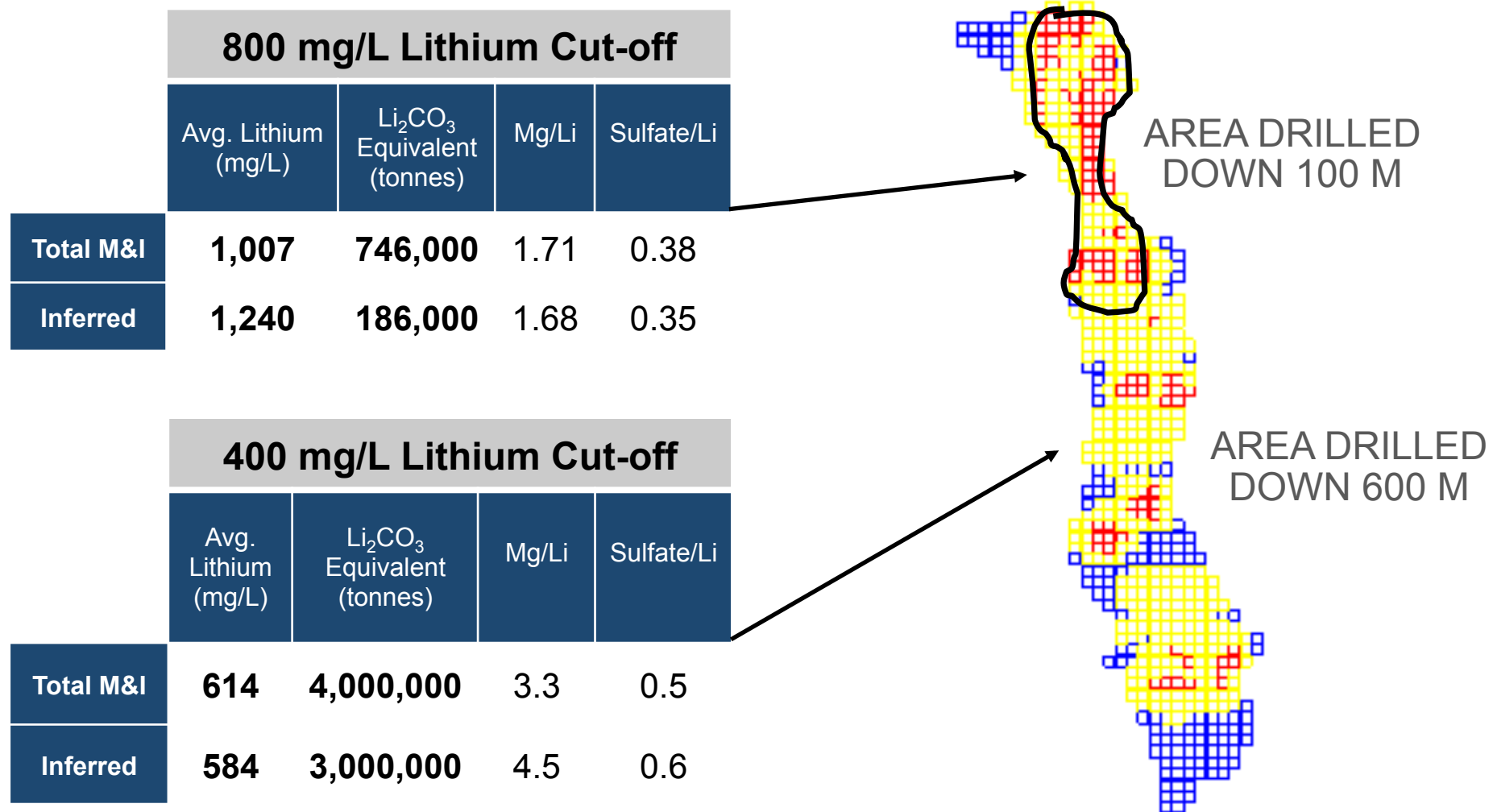


# Hydrostratigraphic Model

- Over 10,000m of Drilling and geophysical program allowed detailed reconstruction of the salar at depth
- Program defined 6 geological Units
- Vulcan was used in the estimation
- Inverse Distance Weighting
- Effective porosity defined by 307 samples analyzed in independent lab



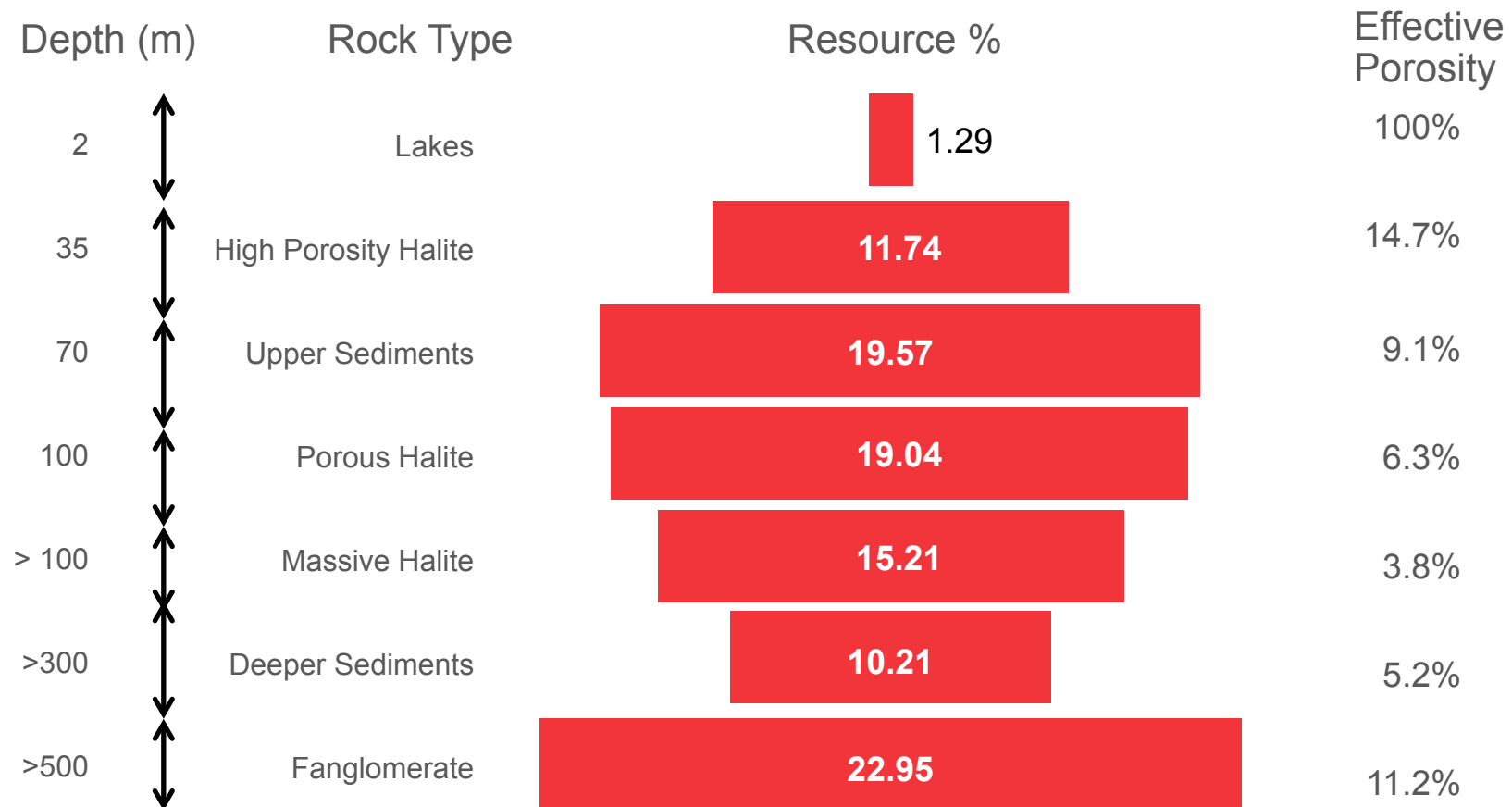
# 3Q Project 2018 Resource Estimation





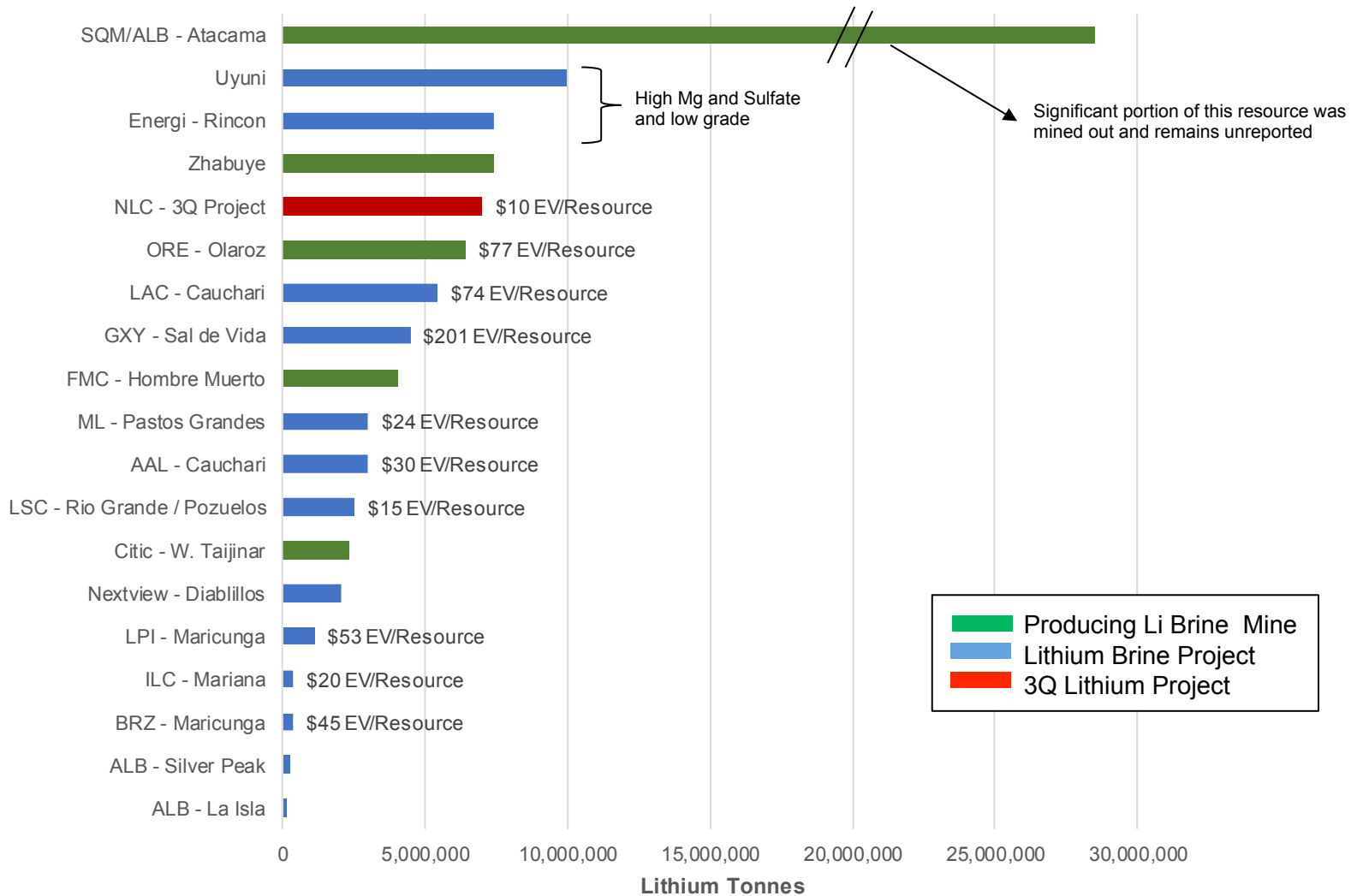
# Depth of the Resource

- More than 50% of the resource is hosted in the upper 100m of very porous rocks
- 33% of the resource is hosted in the deeper sediments with large blue sky potential



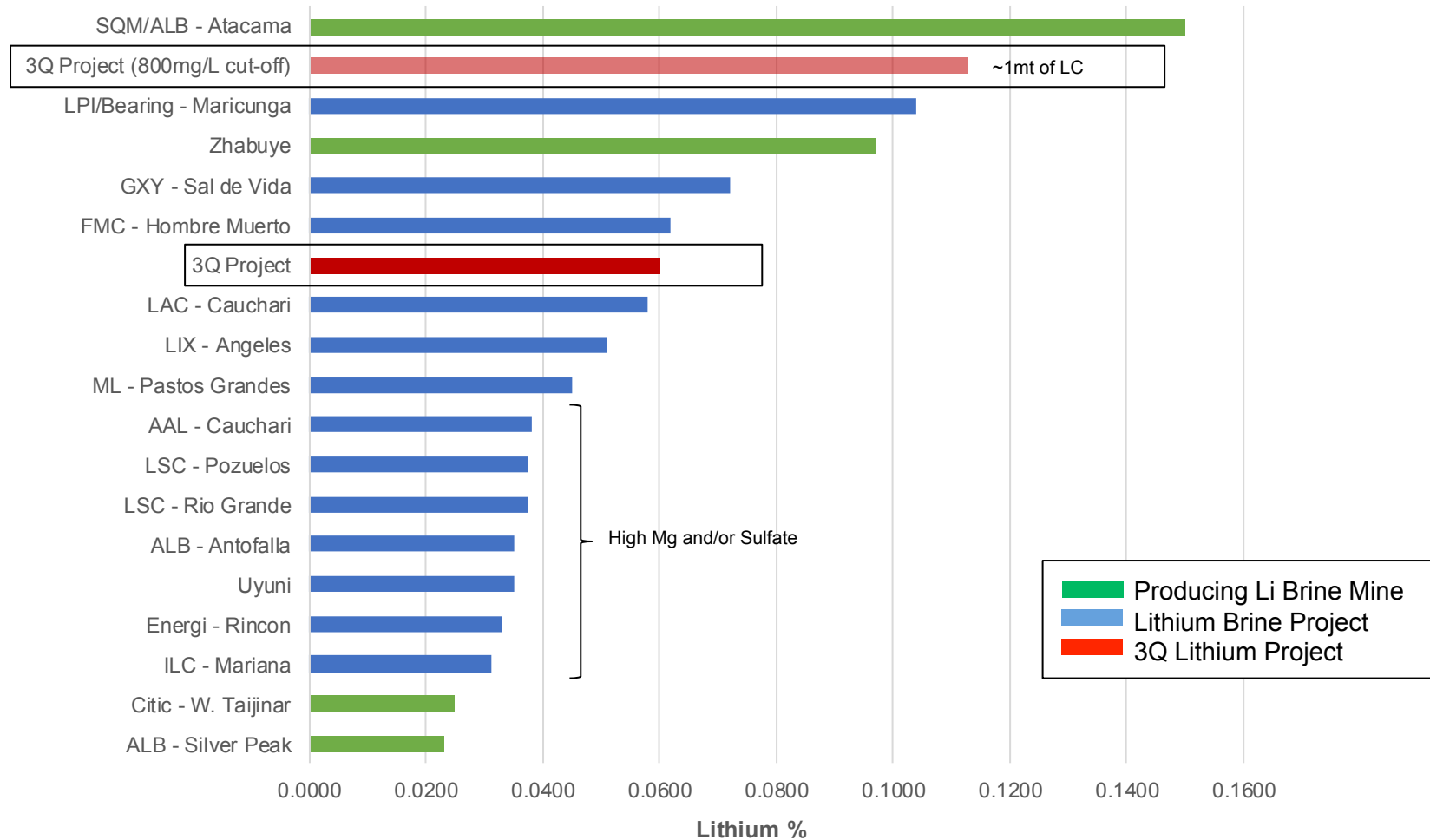
# Size and Enterprise Value Comparison

- 3Q is now the fifth largest brine project worldwide, and of those it is the only project with low critical impurities that is not in production



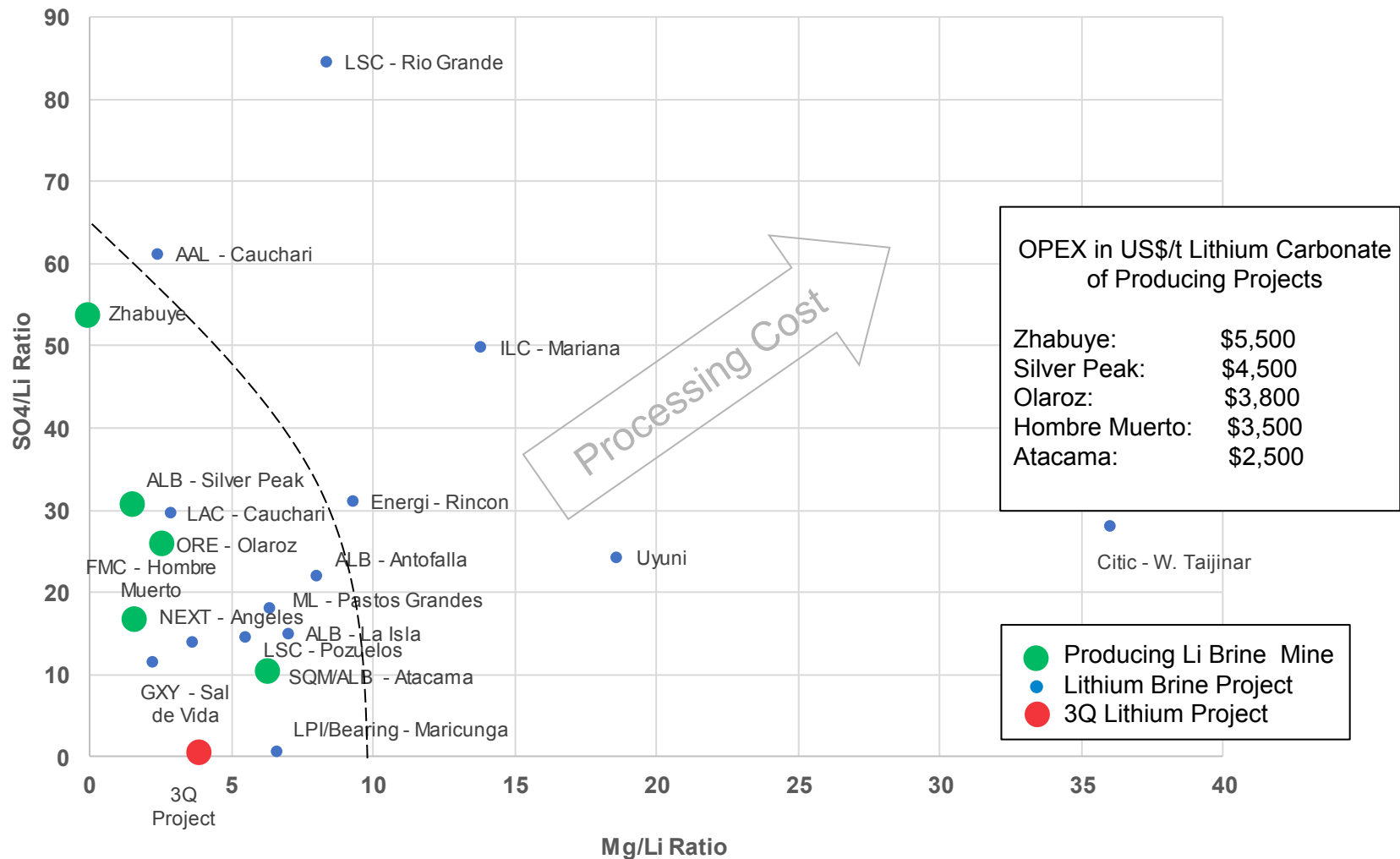
# Grade Comparison

- 3Q is the sixth highest grade project worldwide based on 400mg/L Lithium cut-off
- High grade core of 1,106mg/L Lithium and ~1mt Lithium Carbonate make it #2 in the world



# Impurities & Cash Cost – Project Comparison

- There are no brine projects in production worldwide with high Sulfate or Magnesium impurities
- 3Q has the lowest combined critical impurities worldwide



# 3Q Project: Historic Preliminary Economic Assessment Highlights

- In December 2017 the company completed a PEA that provided a robust valuation
  - Since that time the resource has expanded and therefore the mine life, mine plan and production capacity needs to be re-evaluated
  - We have also discovered that less reagents and smaller ponds are required
- As a result of these positive achievements, the company decided to complete a pre-feasibility study that will update the market and potential strategic partners about the value of this project
- The historic PEA results are now outdated but are described below for reference, improvements in several fronts will enhance the economics of this project

PEA Highlights and Results	
After-Tax Net Present Value ("NPV") @ 8% Discount Rate	US\$1,200 million
After-Tax Internal Rate of Return ("IRR")	27.9%
Capital Expenditures	US\$490.2 million
Cash Operating Costs (per tonne of LCE)	\$2,791
Steady-state Annual Production (lithium carbonate)	35,000
Mine Life	20 years
Payback Period (from commencement of production)	1 year 8 months

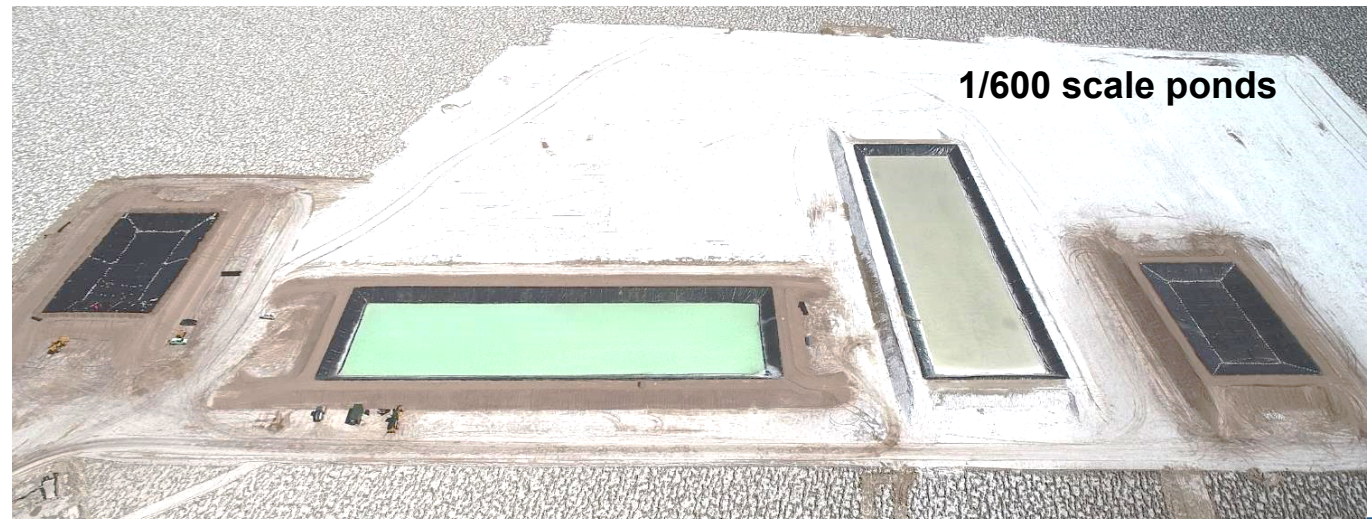
# Production Scale Well Completed



100 liters per second  
production well

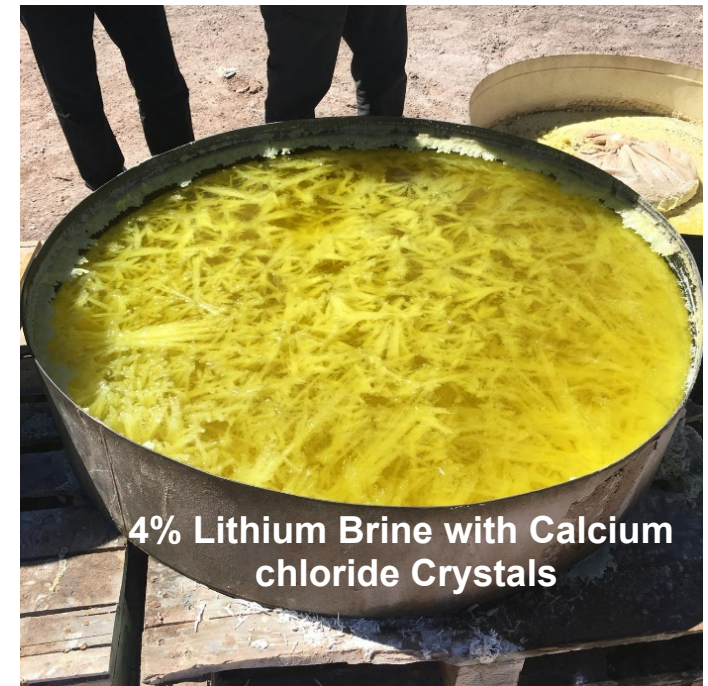
# Pilot Evaporation Pond Strings

- A full pilot pond plant 1:1200 scale has been operating for over 2 years and at 1:600 scale for one year
- We achieved concentration levels of 3.8% lithium in brine without any additives
- This is the only project in the world that can go from the salar to 3.8% brine using only evaporation and no reagents



## 3.8% Lithium Brine Produced

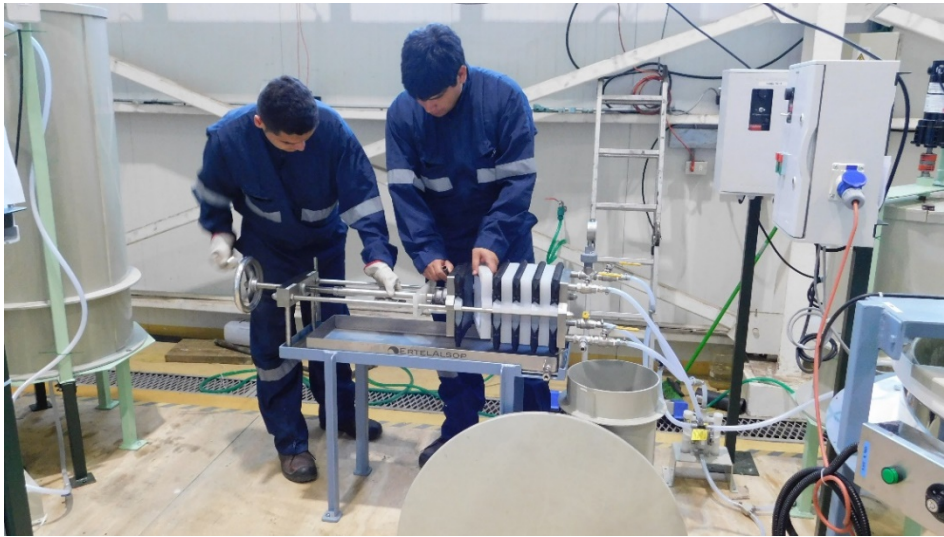
- The brine is calcium rich and calcium chloride precipitates naturally with 6 molecules of water, decreasing the size of the ponds calculated in the PEA
- Losses of impregnation are a serious issue in all projects worldwide because magnesium hydroxide and calcium sulfate, common waste minerals in the brine process, absorb water causing up to 50% lithium losses
  - 3Q does not have that waste, and has calcium chloride waste that does not adsorb water and therefore higher recoveries are expected.





# Lithium Carbonate Pilot Plant in Commissioning

- Pilot plant has been commissioned to produce 100 tonnes per year of battery grade lithium carbonate.



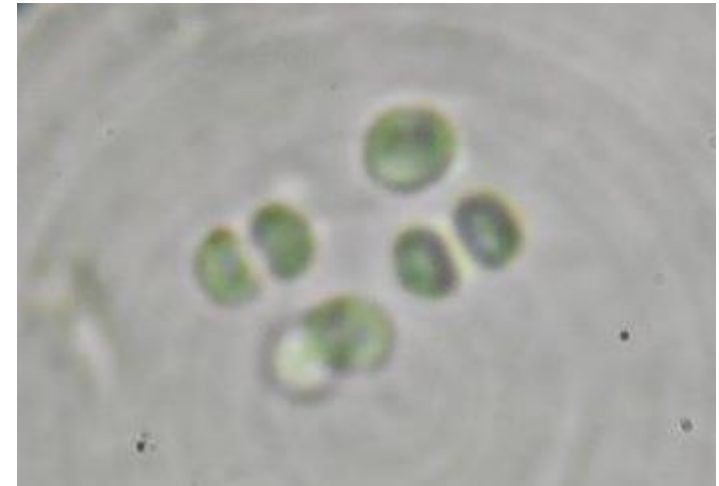
# Current Development

- Over \$30 million invested in the 3Q Project
  - Two seasons of drilling with ~10k mt, the third season starting now
  - Historical PEA completed
  - 100 person year-round camp
  - Paved highway access plus 60km all weather road
- Almost 3 years years of weather monitoring
- Over 2 years of pond operation
- Full geochemical analytical lab



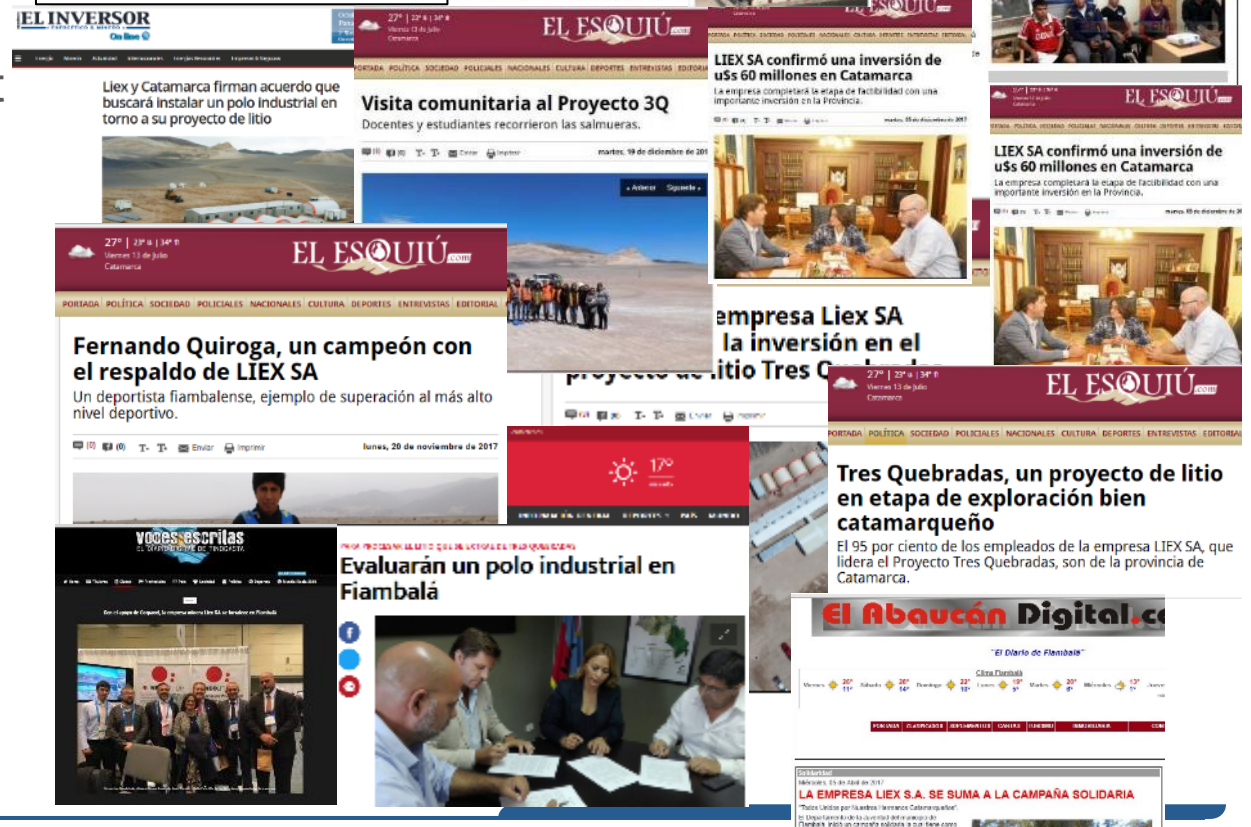
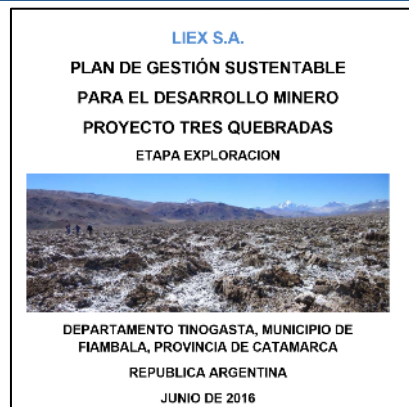
# Environmental Base Line Completed – EIA Expected in Q1 2019

- The study concluded that:
  - Minimal impact on brine levels even at extraction scenarios of 60ktpy of lithium carbonate
  - No material environmental issues from proposed production activity at the project
- The study covered a number of important areas:
  - Hydrogeology
  - Microbiolithos
  - Archeology
  - Flora
  - Fauna
  - Limnology
  - Air Quality
  - Water Quality
  - Social Studies
  - Soil Study
  - Geomorphology
  - Paleontology
  - Access Impact



# Strong Community Program with Government Support

- Liex is Neo Lithium Corp in Argentina
- Permanent offices in Fiambala
- Sustainable community program based on E3Plus and Ecuador Principles
- Strong Community Support based on
  - Permanent Information
  - Visits to the Project
  - Training Courses
  - Hiring Local People
  - Buy local program
  - Support to Sport and culture



# Strong Capital Structure

<b>TSX.V: NLC; OTCQX:NTTHF; FSE:NE2</b>	<b>\$1.00</b>	<b>~\$120M</b>
Ticker	Price (November 23, 2018)	Market Capitalization
<b>117.5M</b>	<b>~\$45M (no debt)</b>	<b>GMP (\$3.25) – Cormark (\$3.25) Canaccord (\$2.00) – VIII Capital (\$3.00) Macquaire (\$1.60) – Beacon (\$2.20)</b>
Issued & Outstanding Shares	Net Cash (Sep 30, 2018)	Research Coverage
<b>128.5M</b>	<b>~45%*</b>	<b>~16%</b>
FD Outstanding Shares	Institutional Ownership	Insider Ownership

Note: all numbers in Canadian dollars except per share data

\* Major shareholders include BlackRock, M&G, JPMorgan, RBIM, Manulife, Mackenzie, Sprott, Guardian



# Management and Directors

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## Waldo Perez, Ph.D.. P. Geo. – President & CEO

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- Dr. Perez has 28 years of academic and industry experience in mineral exploration in South America
- Founder and technical leader of the Cauchari project acquired through Lithium Americas Corp., and its President and CEO from inception until its ultimate definitive feasibility study
- Previously he served as CEO of Latin American Minerals Inc (LAT), Senior Geologist for Barrick Gold, IAMGOLD, Apex Geoscience and Opawica Exploration

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## Carlos Vicens, MBA – CFO

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- Over 20 years of experience in financial analysis, corporate development, strategy and investment banking including mergers and acquisitions and corporate finance
- Mr. Vicens previously worked as Vice President in Scotiabank's Investment Banking Mining team and participated in over \$10B of M&A transactions and well over \$5B in equity and debt issuances

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## Gabriel Pindar – COO and Director

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- Mr. Pindar has 22 years' experience as a Project Executive in the development of mining projects and large scale infrastructure (rail and port) in Argentina, Peru, Mexico, Australia, Canada, West Africa and United Kingdom
- He has sat on numerous boards and steering committees successfully engaging delivery teams for large scale projects

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## Constantine Karayannopoulos – Chairman

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- Mr. Karayannopoulos is the Non Executive Chairman of Neo Performance Materials Board of Directors. Director of the Canada China Business Council and is a member of the Advisory Board at the University of Toronto's Department of Chemical Engineering and Applied Chemistry. He holds Bachelor and Master of Applied Science degrees in Chemical Engineering from the University of Toronto
- Previously he served as Chairman and interim President and Chief Executive Officer of Molycorp and President and Chief Executive Officer of Neo Material Technologies. He was Director of Lithium Americas Corp. from 2011 to 2015

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## Thomas Pladsen – Director

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- Mr. Pladsen has over 20 years experience in the exploration and mining industry.
- He is a director of Carrie Arron Resources Inc., EPM Mining Ventures Inc., KWG Resources Inc., Northfield Capital Corporation and White Pine Resources Inc.

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## Estanislao Auriema – Director

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- Mr. Auriema has over 25 years' experience in the mining and energy industries in Argentina. He served as manager and/or director of several mining companies like Samco Gold Ltd., Grupo Minero Aconcagua, both in Argentina and Canada. He is the current CEO, Director, and Country President in Fredonia Management Ltd.
- During the early stages of his career Estanislao was actively involved in the promotion, management and financing of several Argentine mining and renewable energy projects.

## Next Steps

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- Continue our process to select a “Strategic Partner”
  - Strong interest from several parties to develop the 3Q Project
  - The view is to close in Q1 2019
- Pre-feasibility work underway, improved economics expected
  - To be completed in Q1
- Lithium carbonate pilot plant currently under commissioning with operations in Q1 2019 in Fiambala
- EIA for mining to be completed shortly and will be presented to authorities early Q1 2019
  - Expected approval in Q1/Q2 2019
- Hydro-geochemistry model and reserve estimation to be included in the pre-feasibility study
- Continue drilling the deep portion of the high grade zone to enhance production from the high grade core

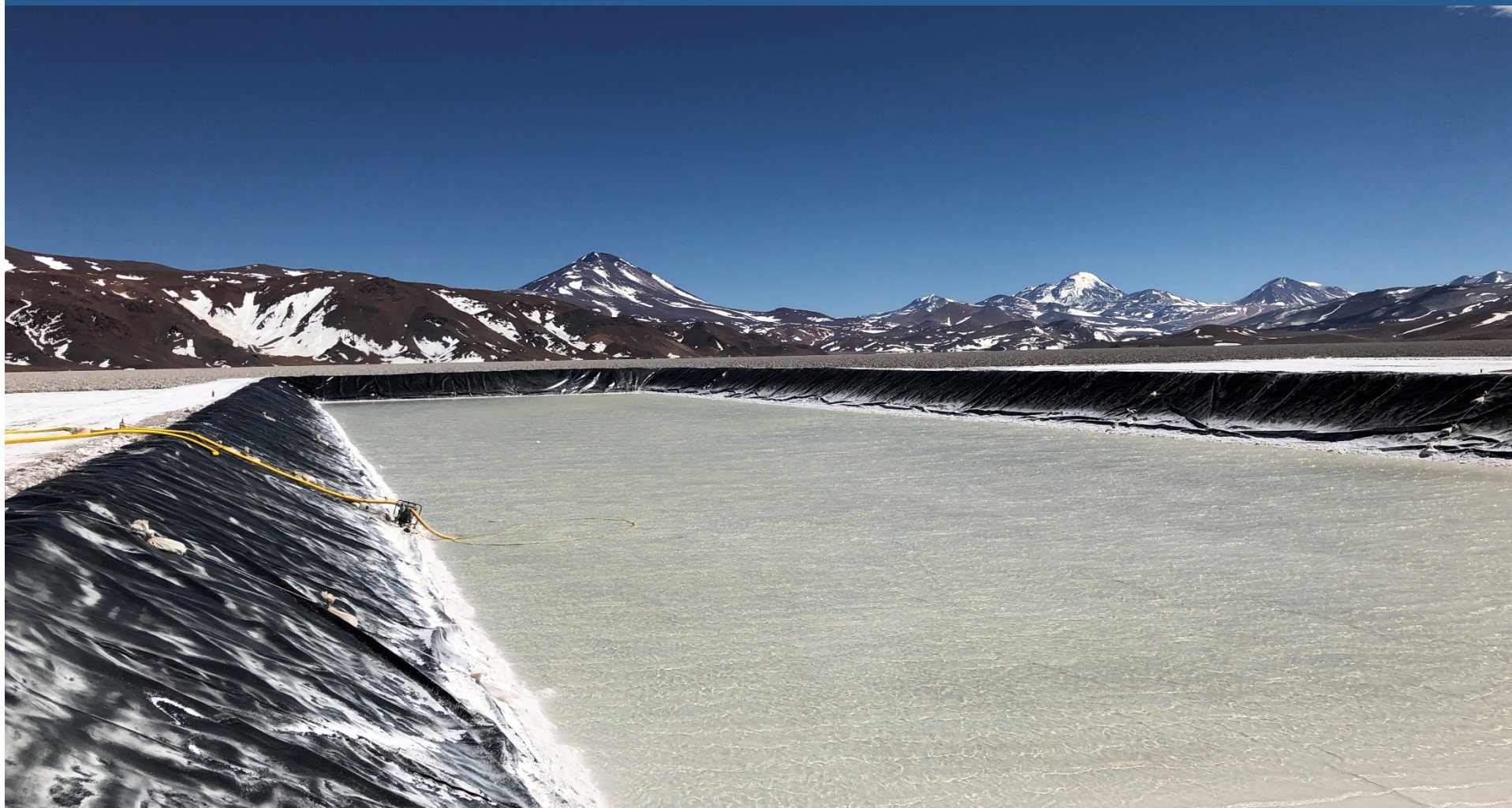
# Why Neo Lithium?

Neo Lithium has discovered one of the most promising NEW lithium project in the world





# 3Q Project: The Next Major Lithium Discovery



**Contact for additional information:**  
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