

## ASX RELEASE

15 February 2023

## Argentina 'Rio Grande Sur' Lithium Brine Project Update

### HIGHLIGHTS

- Due diligence remains on track for completion in late February / early March following shareholder approval on 7 February 2023
- Transient Electromagnetics (TEM) and Controlled Source Magnetotellurics (CSAMT) proposals have been received from Quantec Geoscience Argentina S.A (Quantec) to execute across all 5 permits commencing as early as March 2023
- Initial TEM / CSAMT surveys to identify targets for drilling mid 2023, subject to permitting

In relation to the Project Update, Pursuit Managing Director, Bob Affleck, said:

*"Whilst the final pieces of largely administrative due diligence items are being completed, Trilogy is aggressively pursuing on ground, value add activity that will result in high impact drilling mid-2023. The near-term surveys and subsequent drilling are designed to facilitate a maiden JORC resource in 2023 as well as advance feasibility studies. We look forward to the settlement of the Trilogy acquisition in the coming weeks."*

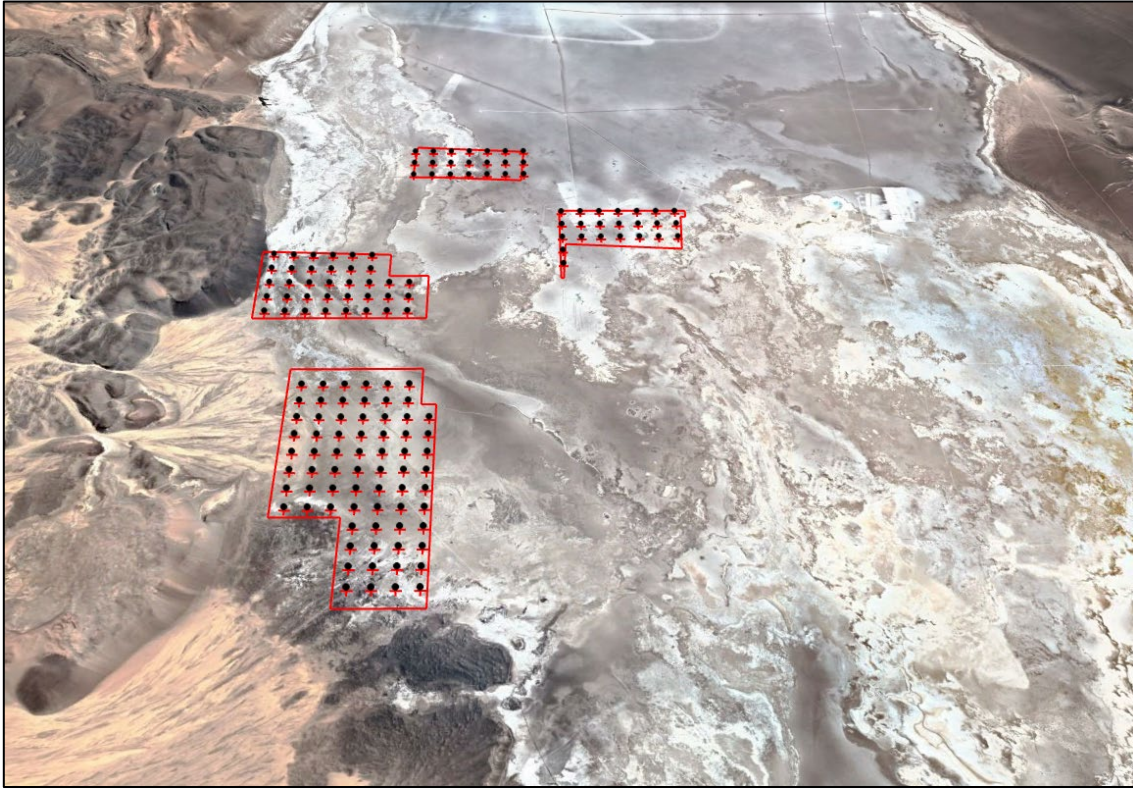
Pursuit Minerals Ltd (ASX: **PUR**) ("PUR", "Pursuit" or the "Company") is pleased to provide an update on the initial works at the Rio Grande Sur Lithium Project. Further details on the upcoming expanded exploration program will be provided post settlement.

### 'Rio Grande Sur' Initial Works - TEM / CSAMT

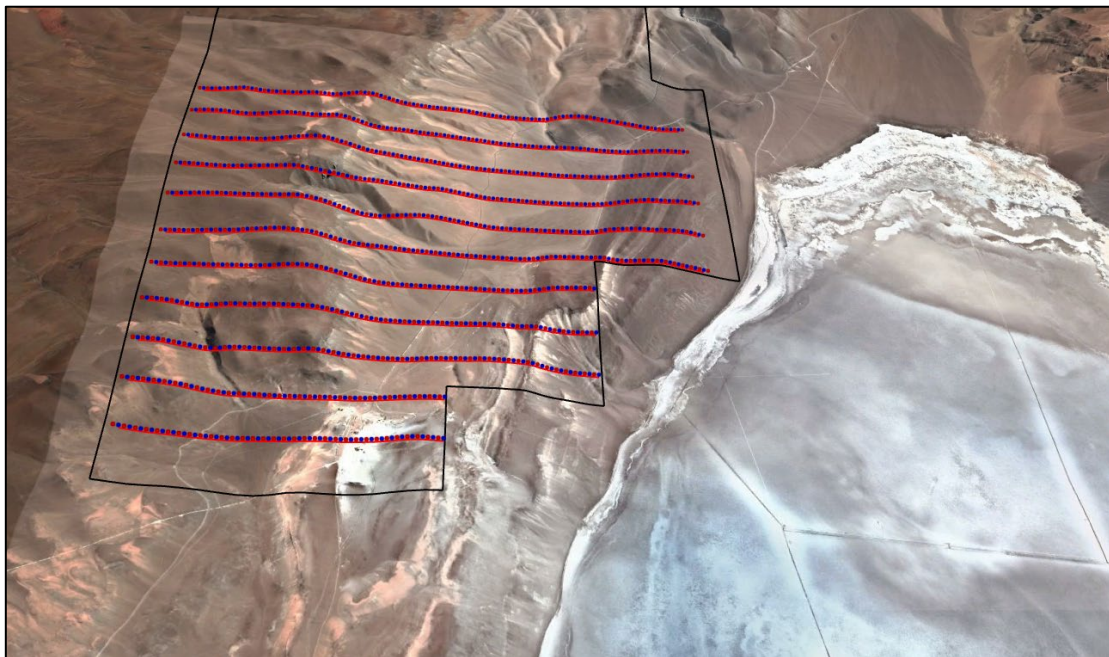
TEM / CSAMT survey proposals have been received for review from Quantec Geoscience Argentina S.A (Quantec) and are scheduled to commence asap post settlement. These surveys will complement the existing geophysical data and assist with identification of the best drilling locations for the proposed campaign in mid-2023. TEM surveys determine lithologies associated with aquifers with lithium in brine as well as geological structures to depths in the range of 250m to 300m.

These locations will be selected both to confirm the prior drilling data, based on wells located on the boundaries of the southern tenements, as well as defining the potential for deeper brines. Deeper brines have been tested in the northern part of the salar and, encouragingly, had higher associated Lithium grades, as is commonly encountered at depth in other salars within the Lithium Triangle. The Lithium Triangle is a region of the Andes rich in lithium reserves around the borders of Argentina, Bolivia, and Chile. The lithium in the triangle is concentrated in various salt pans that exist along the Atacama Desert and neighbouring arid areas, the largest ones including Salar de Uyuni in Bolivia, Salar de Atacama in Chile and Salar del Hombre Muerto in Argentina.

A CSAMT survey at the large Cateo tenement in the north will also provide insights into the brine potential at the edge of the salar. The CSAMT survey will enable the determination lithologies associated with aquifers with lithium in brine as well as geological structures to depths in the range of 500m within the area surveyed (dependent on local geology and grid geometry). Cateo is strategically located largely for infrastructure purposes, ie. location for a processing plant and evaporation ponds; however, is deemed to have significant exploration potential. Many regional projects have proven the existence of productive brines in the subsurface that extend beyond the surface expression of the salar.



*Proposed TEM grids at Trilogy's tenements*



*Proposed CSAMT grids at Trilogy's tenements*





*Geologist within Rio Grande Sur Project, on the border of the Rio Grande Salar during site visit December 2022*

## Rio Grande Sur Project Overview

Trilogy is a lithium exploration and development company with five option interests (four of which were recently exercised) to secure various tenements that are prospective for lithium located near Salta, Argentina at the Rio Grande Sur Project (Figure 1), within the highly prospective Lithium Triangle. The five tenements cover approximately 9,233 hectares, see previous announcement<sup>1</sup> for past exploration on the salar (“Tenements”).

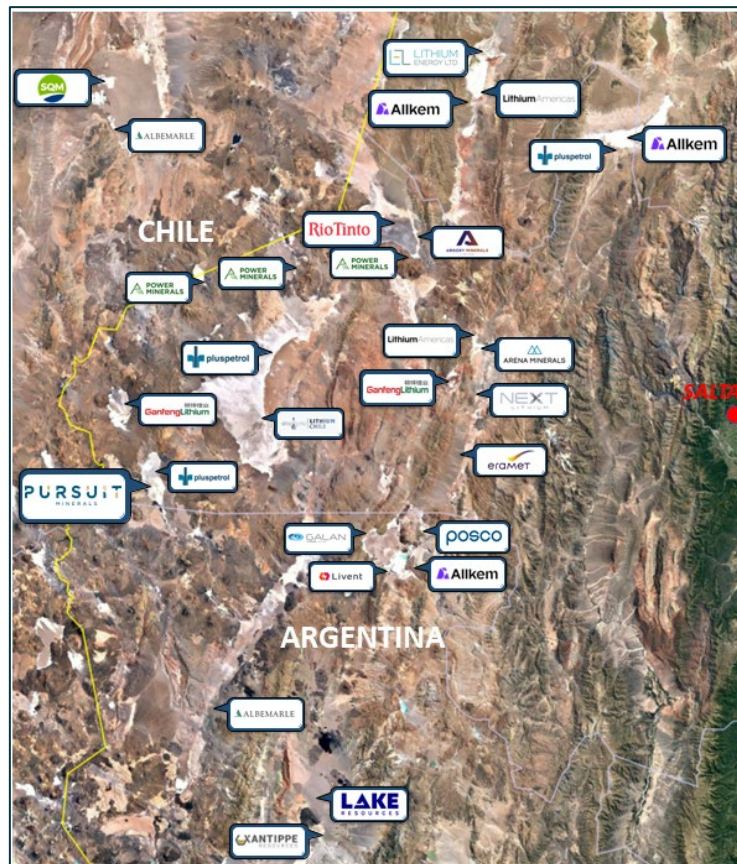
**Table One - Tenement Schedule**

	Tenement	Hectares	File Number	Option Exercise Price	Option Exercise Date
1	Maria Magdalena	73.26	3571		Acquired
2	Isabel Segunda*	59.25	16626		Acquired
3	Sal Rio 02*	298.26	21942		Acquired
4	Sal Rio 01*	142.19	21941		Acquired
5	Cateo	8,660.00	23704	\$2,500,000	28 Feb 2023
	<b>Total</b>	<b>9,232.96</b>	<b>USD</b>	<b>\$2,500,000</b>	
			AUD (0.70)	\$3,593,425	

\* Vendors of Tenements 2, 3 and 4 retain a 1.5% net smelter royalty in respect of the relevant Tenements.

As noted in a previous Pursuit announcement<sup>1</sup>, the Salar Rio Grande has been explored for several years by different companies including LSC Lithium Inc and ADY Resources. As a result, exploration information within the Salar itself is of relatively high quality and in the public domain. Pursuit intends to undertake further exploration work to determine the lithium brine resource, the effective recovery of brine and the economic viability of subsequent mining and refining operations.

<sup>1</sup> ASX announcement 14/12/2022 Pursuit to Acquire Lithium Brine Project in Argentina



*Figure 1: Rio Grande salar location, Salta Province Argentina*

Trilogy has previous experience in managing similar operations to the Rio Grande Sur Project. Post settlement, Pursuit will appoint Tom Eadie as director of Pursuit. Aaron Revelle will be engaged by Pursuit as Chief Operating Officer to assist with managing the Rio Grande Sur Project.

### Trilogy Team

#### Mr Tom Eadie -

Chairman

Tom has over 40 years' experience as an explorer and geologist in the resources industry. Tom was the founding Chairman of Syrah Resources (ASX:SYR), Executive Chairman of Copper Strike (ASX:CSE), a non-executive director of Strandline Resources and a non-executive director of New Century Resources (ASX:NCZ). He is currently Chairman of both Southern Cross Gold (ASX:SCG) and Alderan Resources (ASX:AL8).

#### Mr Aaron Revelle

Managing Director

Aaron is a senior mining executive with over 10 years' experience in the development and founding of natural resources companies. Aaron was the founder of an Argentinian Lithium focused exploration company Centaur Resources which was sold to Arena Minerals (CVE:AN) for A\$23m. In December 2022, Arena Minerals announced it had entered into a definitive agreement to be acquired by Lithium Americas (TSX/NYSE: LAC) for C\$311 million. Prior to Centaur, Aaron was involved in the development and founding of various companies focused on the exploration and development Lithium exploration projects inclusive of the Hombre Muerto and Rincon Salars in Argentina.

#### 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. Under Kyle's leadership Millennial Lithium developed the Pastos Grandes Lithium brine project in the Salta province of Argentina through to bankable feasibility study level. In January 2022, Lithium Americas (TSX:LAC) acquired Millennial Lithium for C\$491 million. Kyle was the founder and current advisor of Alpha Lithium (CVE:ALLI) which is developing the Tolilar Project located in the Salta province of Argentina.

#### Mr. Michael Hayes

Michael is an experienced business operator and entrepreneur having invested extensively in the development and formation of Lithium exploration companies. Currently Michael is the COO of Hilco Global APAC, A diversified financial services company providing valuation, monetisation, advisory and Capital solutions within Australia and South-East Asia. 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 A\$135 million.

### Status of Acquisition

As announced on 7 February 2023 the Company received shareholder approval to proceed with the acquisition. Settlement is conditional upon the satisfaction (or waiver) of the following conditions precedent:

- a) **Due diligence:** completion of financial, legal and technical due diligence by PUR on Trilogy and the Tenements, to the absolute satisfaction of PUR. Due diligence remains on track for completion in February/March and no material issues have been identified to date; and
- b) **Regulatory and third party approvals:** the Parties obtaining all necessary regulatory and third party approvals or waivers.

### Indicative Timetable

Announcement released to ASX	14 December 2022
Complete Tranche 1 of the PUR Capital Raising	19 December 2022
Notice of Meeting despatched to Shareholders	6 January 2023
General Meeting Approval	7 February 2023
Completion of Acquisition and Tranche 2 of the PUR Capital Raising	Late February/Early March 2023

\*Note, this timetable is indicative only and may be subject to change.

This release was approved by the Board.

### For more information about Pursuit Minerals and its projects, contact:

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### 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.

## Glossary

Term	Meaning
AC Drilling	Air Core drilling utilises high-pressure air and dual walled rods to penetrate the ground and return the sample to the surface through the inner tube and then through a sampling system. The ground is cut through with the use of a steel blade type bit.
CSAMT	Controlled Source Audio-frequency Magnetotellurics
Diamond Drilling	Diamond Drilling is the process of drilling boreholes using bits inset with diamonds as the rock-cutting tool. By withdrawing a small diameter core of rock from the orebody, geologists can analyse the core by chemical assay and conduct petrologic, structural, and mineralogical studies of the rock.
Disseminated sulphides	Sulphides throughout the rock mass – not joined together and not conductive
Epigenetic	Mineralisation forming after rocks were formed by later mineralising events
Intrusive	Body of igneous rock that has crystallized from molten magma below the surface of the Earth
Lithium brine	Salt rich groundwater containing enriched Li leached from surrounding rocks
Litho-geochemistry	Study of common elemental signatures in different rock types to aid accurate logging by geologists
Magnetotelluric traverses (MT)	A passive geophysical method which uses natural time variations of the Earth's magnetic and electric field to measure the electrical resistivity of the sub-surface and infer deep seated structures
Massive Sulphides	The majority of the rock mass consists of various sulphide species
Metamorphism	The solid state recrystallisation of pre-existing rocks due to changes in heat and/or pressure and/or the introduction of fluids, i.e. without melting
Orogenic Gold Deposit	A type of hydrothermal mineral deposit where rock structure controls the transport and deposition of mineralised fluids. Over 75% of all gold mined by humans has been from orogenic deposits
Pegmatite	Exceptionally coarse-grained granitic intrusive rock,
Polymetallic mineralisation	Deposits which contain different elements in economic concentrations
Pyroxenite	A coarse-grained, igneous rock consisting mainly of pyroxenes. It may contain biotite, hornblende, or olivine as accessories.
RC Drilling	Reverse Circulation drilling, or RC drilling, is a method of drilling which uses dual wall drill rods that consist of an outer drill rod with an inner tube. These hollow inner tubes allow the drill cuttings to be transported back to the surface in a continuous, steady flow.
REE	Rare earth element,
Saprolite	Saprolite is a chemically weathered rock. Saprolites form in the lower zones of soil profiles and represent deep weathering of bedrock.
Sulphides	Various chemical compounds of sulphur and metals
TEM	Transient Electromagnetics
Ultramafic	Very low silica content igneous and metamorphic rocks – including pyroxenites and peridotites both are known to host significant Ni-Cu-PGE deposits

Abbreviation	Abbreviation meaning	Abbreviation	Abbreviation meaning
Ag	Silver	Li	Lithium
Au	Gold	Mo	Molybdenum
As	Arsenic	Ni	Nickel
Co	Cobalt	Pb	Lead
Cr	Chromium	Pd	Palladium
Cs	Caesium	ppm	Parts per million
Ce	Cerium, a rare earth	Pt	Platinum
Cu	Copper	REE	Rare Earth Element
Bi	Bismuth	Sb	Antimony
B	Boron	Te	Tellurium
DHEM	Down Hole Electro-Magnetic surveying	Zn	Zinc
K	Potassium	VHMS	Volcanic Hosted Massive Sulphide
g/t	Grams per ton	W	Tungsten
La	Lanthanum	Y	Yttrium