



**LATIN**  
RESOURCES

**Sparks Plus  
Presentation**

March 2022

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## **Competent Person’s Statement**

Information in this document that relates to Exploration Results and Exploration Targets is based on information completed by Mr Anthony Greenaway, who is a member of the Australasian Institute of Mining and Metallurgy. Mr Greenaway is a full-time employee of Latin Resources Ltd and has sufficient experience which is relevant to the style of mineralisation and types of deposits under consideration and to the activities undertaken to qualify as a Competent Person as defined in the 2012 Edition of the “Australian Code for Reporting of Mineral Resources and Ore Reserves”. Mr Greenaway consents to the inclusion in this report of the matters based on information in the form and context in which it appears.

No new information that is considered material is included in this document. All information relating to exploration results has been previously released to the market and is appropriately referenced in this document. JORC tables are not considered necessary to accompany this document.

# CORPORATE OVERVIEW – ASX:LRS FRA:XL5



**LRS**

ASX Code

**\$4.2M**

Cash and Investments

**\$56M**

Market Cap  
( \$0.04 )

**1,433m**

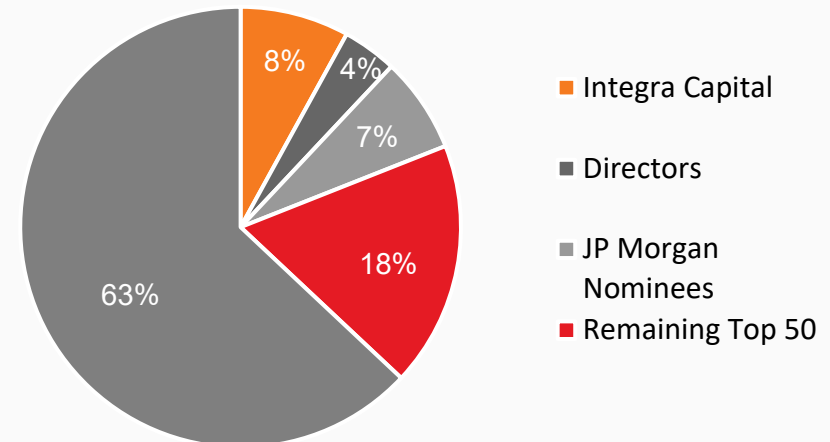
Shares on Issue

**498.3M**

Unlisted Options

**\$52M**

Enterprise Value





# LATIN'S STRATEGY

To discover, delineate and develop mineral projects in commodities that progress global efforts towards Net Zero emissions.

- ▶ ***Lithium – Electric Vehicles and storage***
- ▶ ***Copper -Electric Vehicles and storage***
- ▶ ***Halloysite – Methane reduction – Agricultural***
- ▶ ***Kaolin – High Purity Alumina***



# LATIN'S GLOBAL PROJECT PORTFOLIO



# LITHIUM AND COPPER PROJECTS SOUTH AMERICA



## Peru Copper

- MT-03 Copper Porphyry

## Chile – Copper

- Solis Minerals (13.14%) investment



## Brazil Lithium

- 100% owned Salinas Project, Minas Gerais

## Argentina Lithium

- Catamarca



# LITHIUM IN BRAZIL

## Opportunity and Lithium Potential in Minas Gerais District

- ▶ Brazil is the world's 8<sup>th</sup> largest economy and Latin America's largest and pro mining jurisdiction
- ▶ ***Minas Gerais is vastly under-explored for lithium, high discovery potential of world class lithium spodumene deposits***
- ▶ ***Large lithium pegmatite occurrences – new areas only being recently discovered***
- ▶ **CBL actively producing lithium Hydroxide** at their Divisa Alegre chemical plant in MG
- ▶ ***Sigma is developing a world class lithium plant at its Grota do Cirilo property in Minas Gerais Brazil***
- ▶ Companies easily obtain permits to explore and drill.
- ▶ ***Superior mining infrastructure and services***



## CBL – Domestic lithium Hydroxide Producers

- ▶ CBL producing lithium compounds of Hydroxide and Carbonate at its chemical plant Divisa Alegre.
- ▶ CBL produces 1,500 tpy of Lithium Carbonate Equivalent (LCE).
- ▶ Potential exists for LRS to feed Divisa Alegre with further high-grade Lithium concentrate.
- ▶ Opportunity to upgrade Divisa Alegre to increase capacity and produce high quality battery grade products.
- ▶ LRS Salinas Spodumene Pegmatite – Divisa Alegre – 140km by Road.



*Divisa Alegre Lithium Hydroxide Plant  
Mina Gerais, Brazil  
140km from LRS Pegmatites*

Source: <https://cblitio.com.br/chemical-plant/?lang=en>

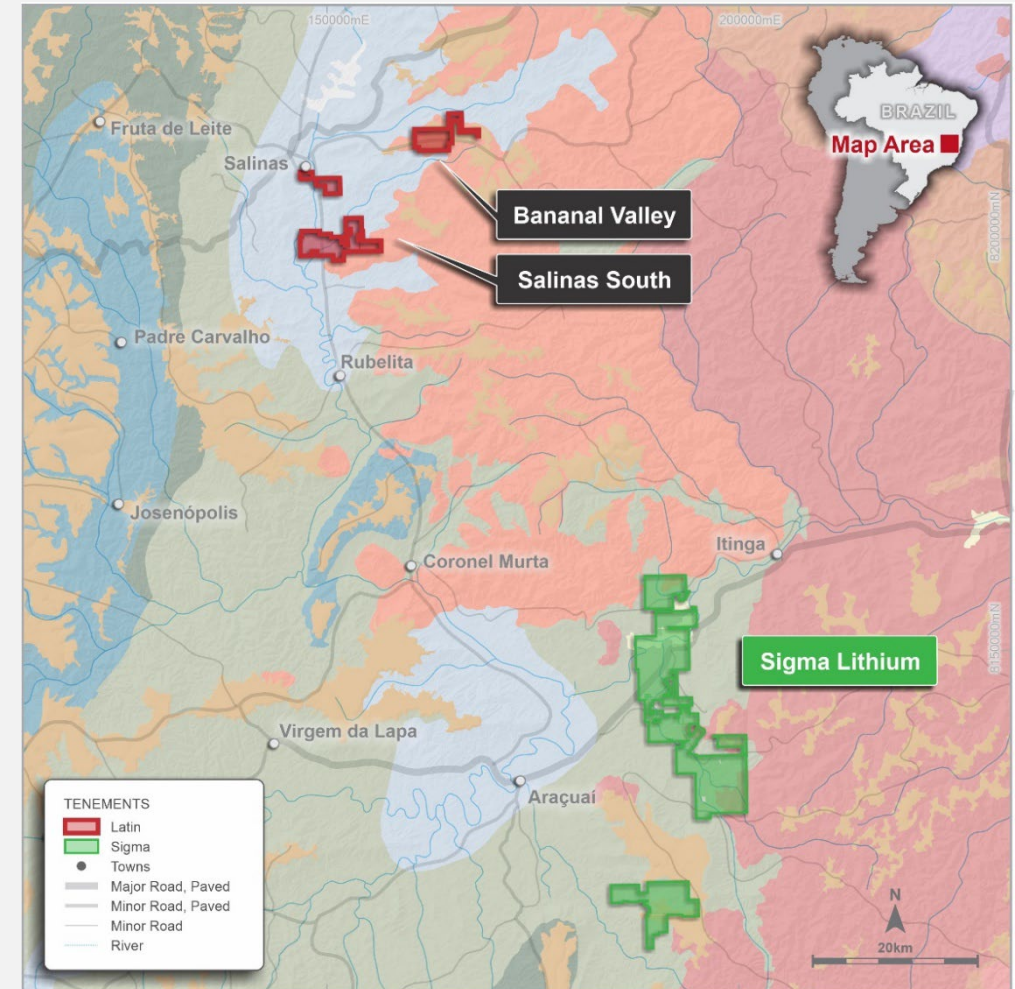


# SALINAS LITHIUM PROJECT MINAS GERAIS, BRAZIL



- ▶ Located in the NE of Minas Gerais
- ▶ 600km NE of Belo Horizonte
- ▶ 128KV powerline from 360MV Irape Hydraulic Power station runs through prospects
- ▶ Located ~100km North to the Grota do Cirilio Lithium Project under development by CAD \$1.3 billion market cap TSX-V listed Sigma Lithium Corporation.
- ▶ 5-minute drive to Salinas town (pop. 40,000)
- ▶ 5,338 Hectares across two prospect areas, Salinas South and Bananal Valley
- ▶ Outcropping spodumene pegmatites mapped over 4km<sup>2</sup>
- ▶ Rock chip sampling returned adjacent samples grading 2.71% Li<sub>2</sub>O and 1.45% Li<sub>2</sub>O\*
- ▶ Drilling has commenced in February 2022, 14 holes – 2000 metres

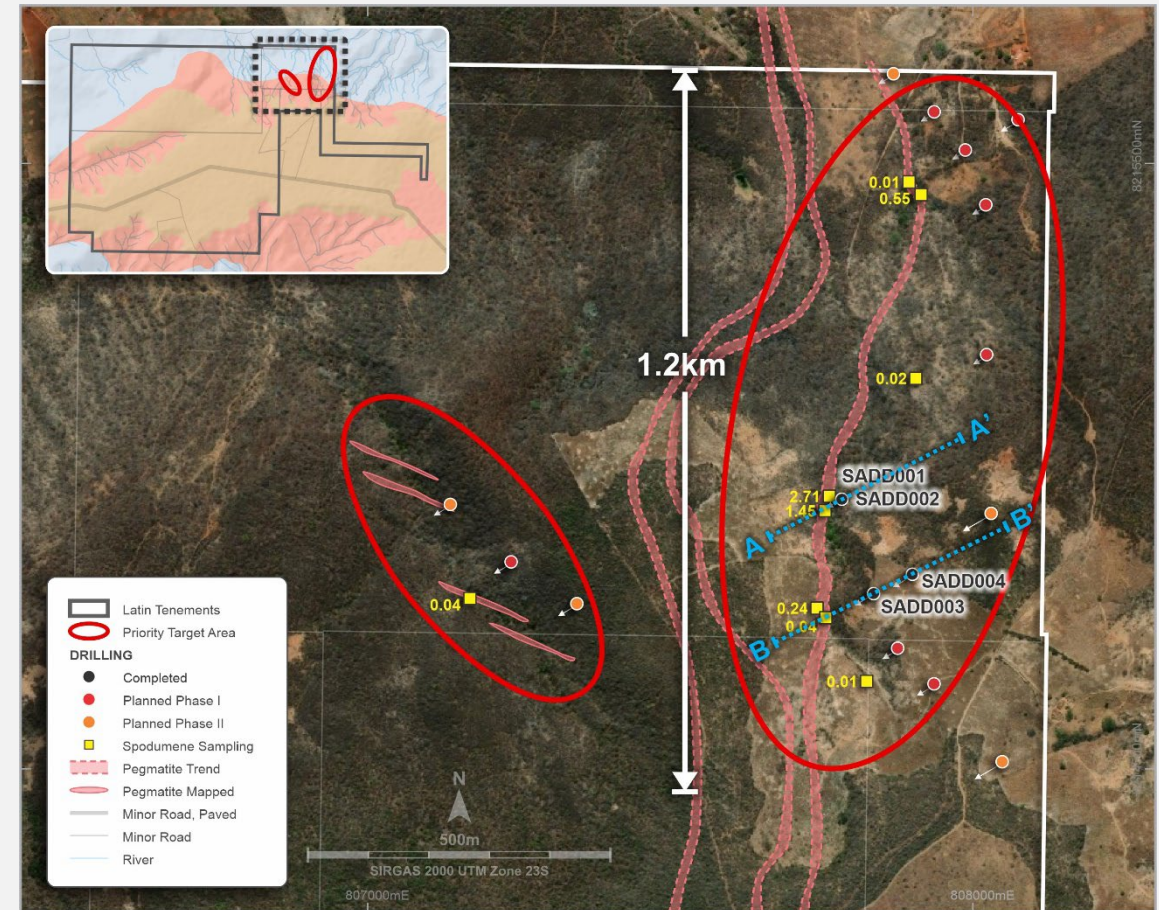
\*Refer to ASX Announcement dated 26 October 2021



## Salinas Drilling Program

- ▶ The intersection of multiple **spodumene rich pegmatites** down dip from the high-grade outcrop (**2.71% Li<sub>2</sub>O and 1.45% Li<sub>2</sub>O**)\*, in the first hole drilled proves Latin’s concept for the region and **has greatly enhanced the potential for a significant lithium discovery in the Bananal Valley.**
- ▶ Drilling of the 14-hole program is ongoing, with SADD004 currently underway testing the down dip extensions of pegmatites intersected in SADD003.
- ▶ The geological team expect to see **thicker zones** as these **pegmatites are known to pinch and swell** as evidenced in the Company’s surface mapping and sampling.

\*Refer to ASX Announcement dated 26 October 2021



Bananal Valley Project – completed drill collars and planned Phase I and Phase II drill sites and spodumene sampling results



## Multiple zones of spodumene-rich pegmatites intersected in three holes

- **Potential new lithium discovery** in one of the world's best mining jurisdictions.
- The ongoing diamond drilling campaign at the Company's Salinas Lithium Project in Brazil is **continuing to intersect thick, shallow dipping spodumene rich pegmatites**, with SADD003 returning a **best intercept of 16.17m\* true thickness**.
- Priority drill targets were identified through surface sampling which returned **high-grade results including 2.71% Li<sub>2</sub>O# and 1.45% Li<sub>2</sub>O# from spodumene bearing pegmatites**, mapped over a strike length of over 1.2 kilometres.
- The Company plans to drill 14 diamond holes for a total of **2,000m of drilling in the first phase of drilling**.
- The Bananal Valley is located within the Minas Gerais state – a rich mining region of Brazil, and home to the Grota do Cirilio Lithium Project **under development by CAD \$1.3 billion market cap TSX-V listed Sigma Lithium Corporation**.

\*Refer to ASX Announcement dated 3 March 2022

#Refer to ASX Announcement dated 26 October 2021



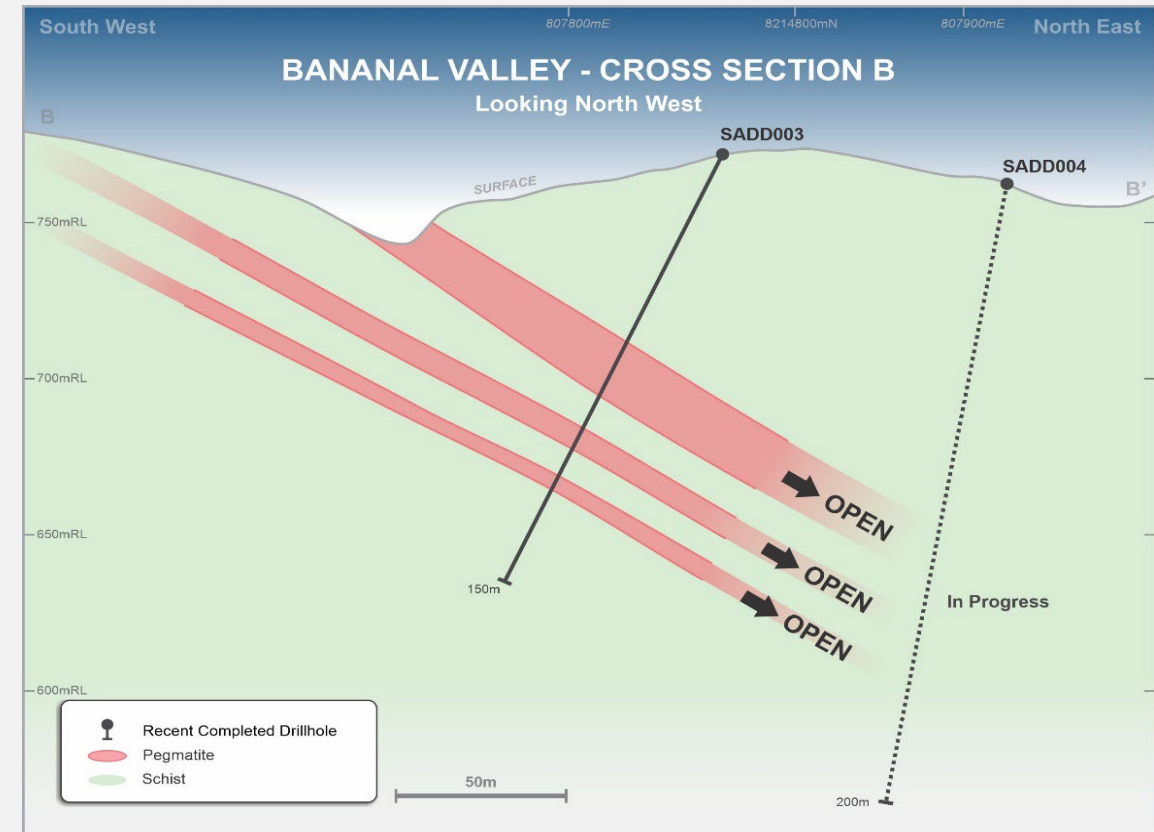
*SADD003 – spodumene bearing pegmatite 65.6-81.77m, (16.17m true thickness) intersected in diamond drilling approximately 180m along strike to the south of previously reported intersections\**



# BANANAL VALLEY PROSPECT - 3 HOLES COMPLETED

## Salinas Lithium Project

- ▶ Three diamond holes completed, with all three intersecting multiple spodumene bearing pegmatites, confirming strike and dip continuity.
- ▶ All pegmatites are open along strike and down dip.
- ▶ The hole SADD003 intersected a number of zones of spodumene-rich pegmatite up to 16.17m\* thick and is currently at a drill depth of approximately 90m and is planned to continue to a depth of 120m or when mineralisation finishes.
- ▶ Drilling has confirmed the “pinch and swell” nature of the pegmatites at Salinas, highlighting the significant nature of this greenfields discovery.
- ▶ Drilling of the 14-hole program is ongoing, with SADD004 currently underway testing the down dip extensions of pegmatites intersected in SADD003.

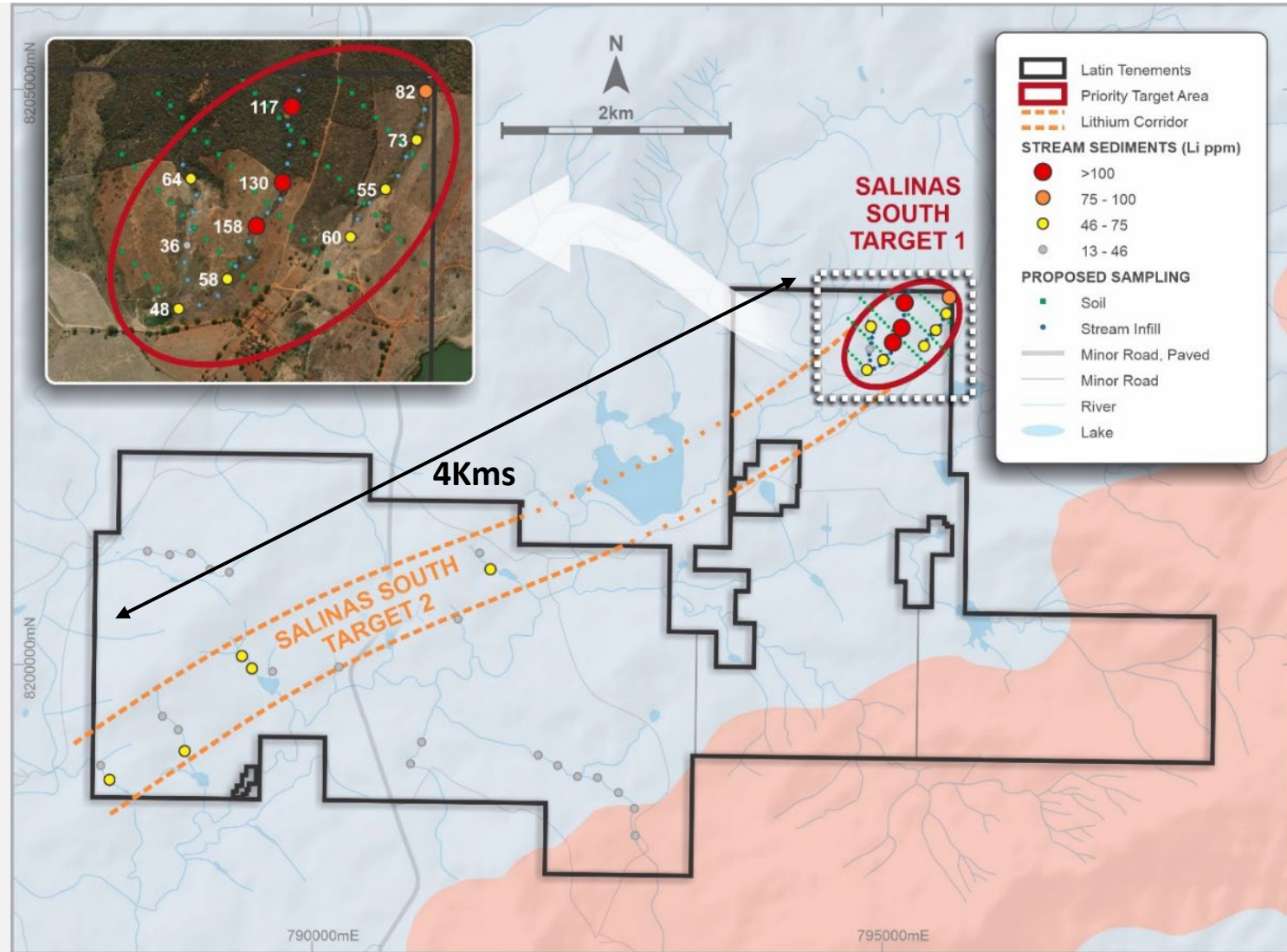


*Oblique drill section B – B' SADD003 showing a significant thickening of the pegmatites along strike to the south\**

\*Refer to ASX Announcement dated 3 March 2022

# SALINAS SOUTH PROSPECT SALINA PROJECT

- ▶ Latin has identified outcropping pegmatites containing spodumene over a strike of 4km.
- ▶ Regional reconnaissance stream sediment sampling of the Salinas South Project to the southwest has highlighted an anomalous lithium corridor extending across the Project.
- ▶ Drilling planned along strike after Salinas South completed.
- ▶ Additional tenure acquisitions have increased landholding to 4,088 hectares.





# CATAMARCA LITHIUM PROJECT

## Lithium Exploration

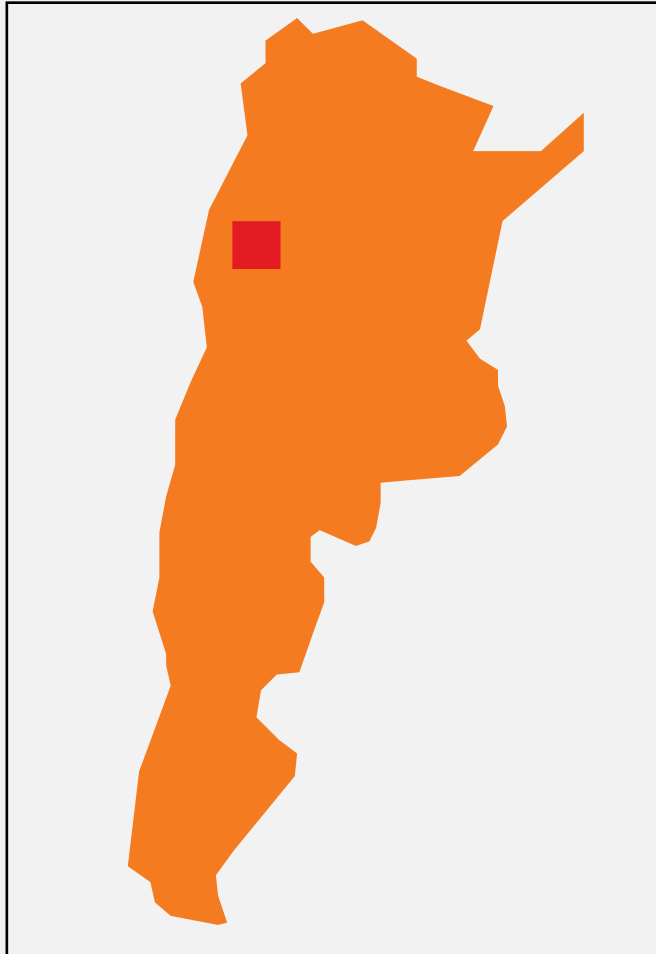
- ▶ LRS has the largest hard rock spodumene landholding in Argentina
  - Over 70,000 hectares controlled by LRS
- ▶ Under-explored spodumene pegmatite swarms
- ▶ Potential to host world class lithium deposit
- ▶ JV with Integra Capital
- ▶ US\$1m into Catamarca for 50% of the Project
- ▶ **New 2022 work plans currently being finalised with field work to commence in March**





# CATAMARCA NW ALTO / NORTH ANCASTI

## OVER 70,000 HECTARES



**North West Alto**  
New Exploration March 2022

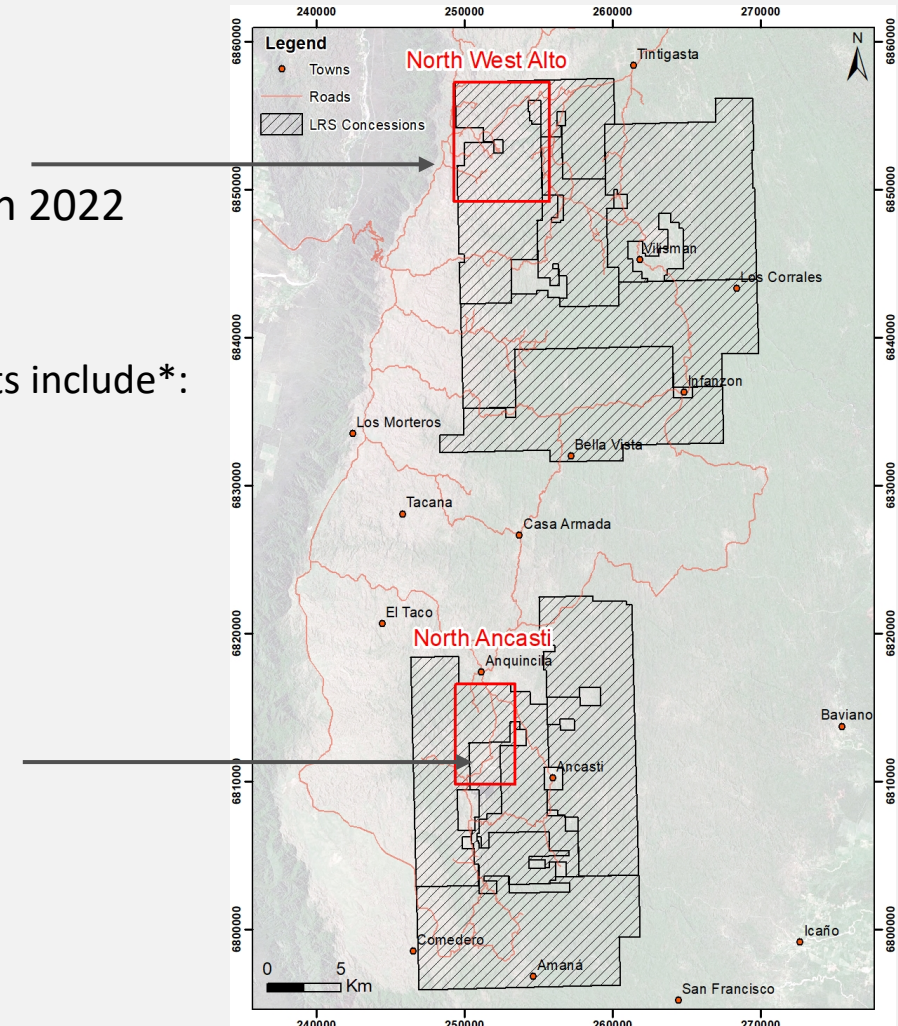
### Villisman Project

Previous drilling intercepts include\*:

- ▶ 3m @ 2.98% Li<sub>2</sub>O
- ▶ 5.2m @ 1.62% Li<sub>2</sub>O
- ▶ 6m @ 2.40% Li<sub>2</sub>O
- ▶ 7m @ 2.17% Li<sub>2</sub>O

**Ancasti Project**  
North Ancasti

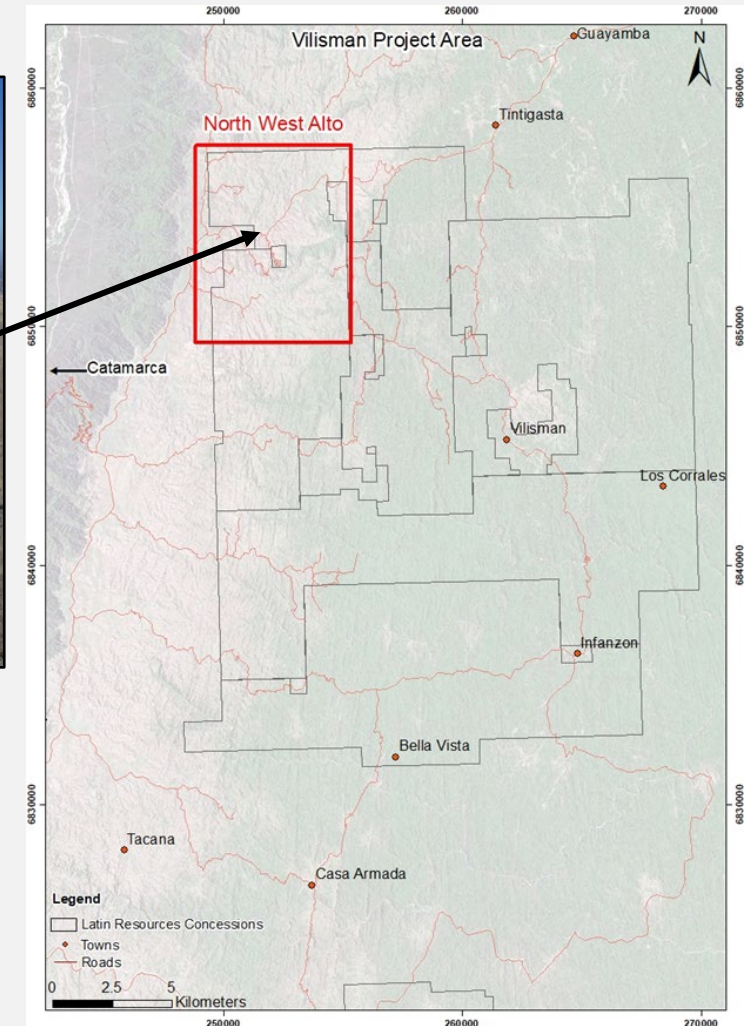
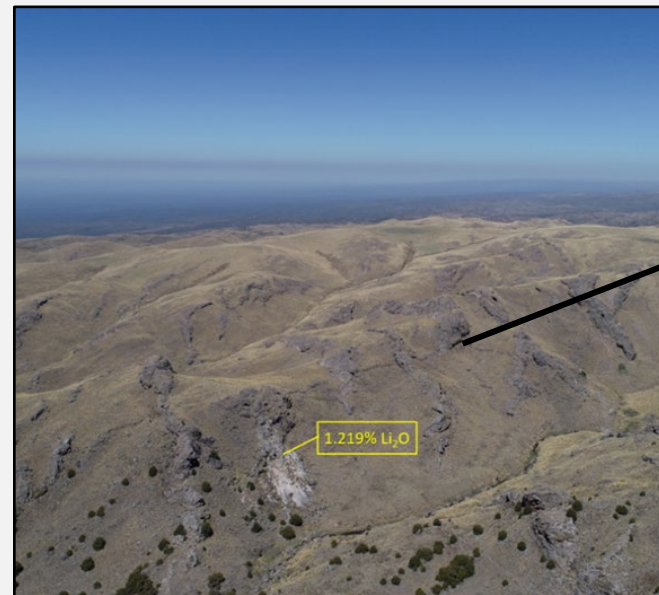
\* Refer ASX announcement; 26/04/17



# CATAMARCA NW ALTO – New Exploration work ,2022

## North West Alto

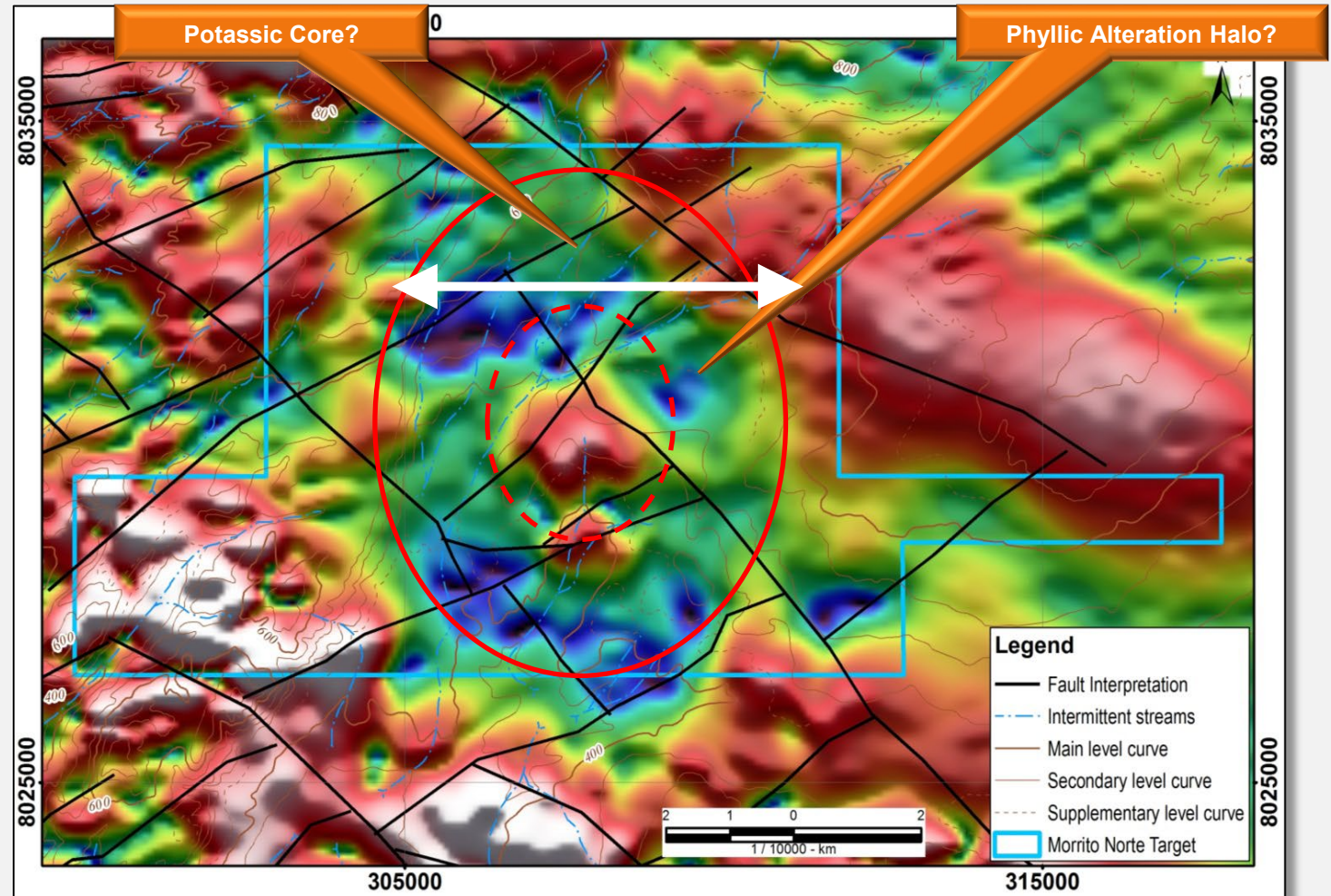
- ▶ Highly prospective for lithium bearing pegmatites of considerable size.
- ▶ External zones exposed to geologists for mapping – therefore methods of fractionation interpretation are employed.
- ▶ Rock Chipping and Soil Sampling continues over the region.
- ▶ Recently identified Lithium of 1.219%  $\text{Li}_2\text{O}$  in the only exposed mine of the area.
- ▶ Encouraged by the presence of lithium in the NW Alto system.
- ▶ Further work being conducted to identify drill targets.





# MT03 PROJECT SOUTHERN PERU

- ▶ Ground magnetic survey completed over the MT-03 prospect.
- ▶ SGS Perth have completed the modelling of the data and have advised LRS of proposed drill testing of the magnetic Anomaly.
- ▶ Drill permitting has commenced.
- ▶ Drilling anticipated for Q2 2022.







## Cloud Nine Deposit

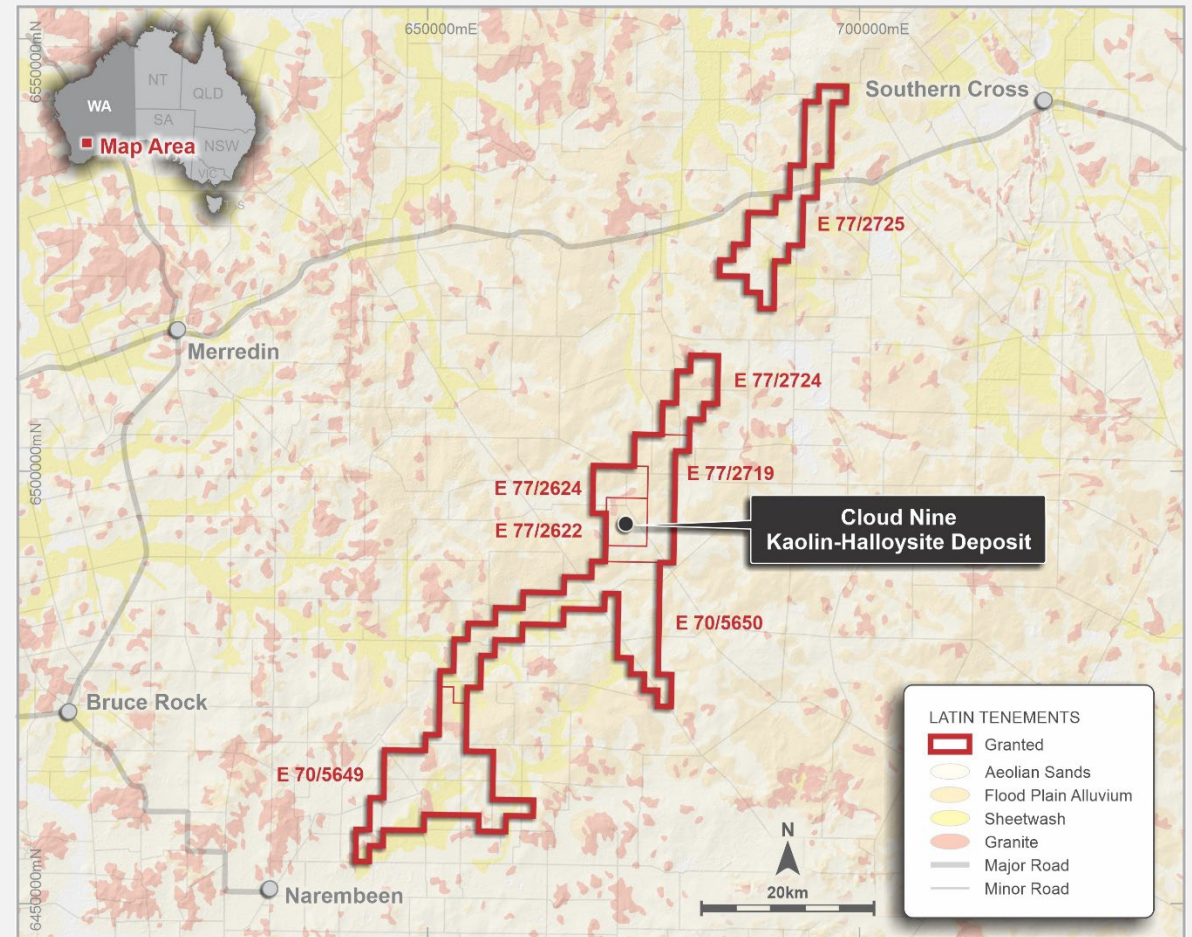
- ▶ **Halloysite-Kaolin Project**
- ▶ **Large JORC Defined Mineral Resources**
- ▶ **Infill drilling in early 2022**
- ▶ **PFS underway, expected Q2 2022**
- ▶ **Focus on developing DSO product for rapid cashflow**

# CLOUD NINE HALLOYSITE-KAOLIN DEPOSIT

## MERREDIN, WA



- ▶ Drilling has identified a bright white kaolinite zone and a kaolin-halloysite zone that generally occurs at depth, closer to the base of weathering.
- ▶ Latin is advancing studies for the development of a DSO operation for the bright white kaolin zone, targeting traditional markets in Asia.
- ▶ Concurrently, research and testwork has commenced on the best ways to separate the halloysite material as well as new downstream markets for halloysite.





# CLOUD NINE HALLOYSITE-KAOLIN DEPOSIT

## CLOUD NINE MAIDEN 207 MT JORC RESOURCE

### Maiden JORC Mineral Resource:

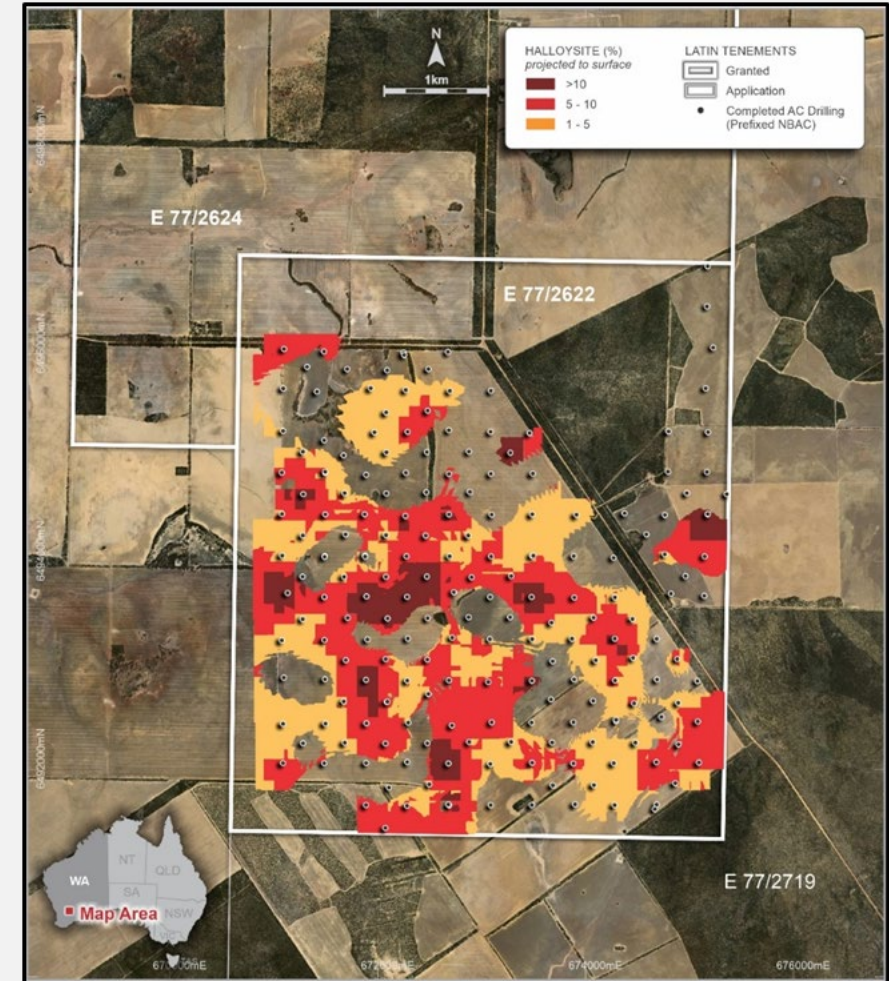
- ▶ 207Mt of kaolinised granite comprising:
  - 123 million tonnes of bright white kaolin-bearing material; and
  - 84 million tonnes of kaolin/halloysite-bearing material.

Domain	Mt	PSD -45µm	Brightness (ISO-B)
Kaolin Domain	123	42	79
Kaolin/Halloysite Domain	84	42	80
<b>Total</b>	<b>207</b>	<b>42</b>	<b>79</b>

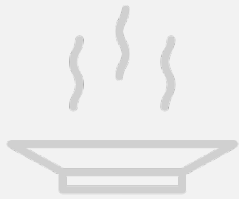
- ▶ The halloysite sub-domain yields 50Mt grading 6% halloysite using 1% halloysite cut-off, or 27Mt grading 8% halloysite using a 5% halloysite cut-off within the minus 45-micro ( 45 µm) subfraction.
- ▶ Kaolinised granite Resource contains a total of 75Mt of bright white (+75 ISO-B) Kaolin product with an ISO-B of 79 in the -45 µm size fraction, or 29Mt of ultra-bright white (+80 ISO-B) kaolin product with an IOS-B of.

Domain	Mt	Brightness (ISO-B)	Kaolinite (%)	Halloysite (%)	Al <sub>2</sub> O <sub>3</sub> (%)	Fe <sub>2</sub> O <sub>3</sub> * (%)	TiO <sub>2</sub> * (%)
Kaolin	52	79	87	0	35	1	1
Halloysite	35	80	78	6	35	1	1
<b>Total</b>	<b>87</b>	<b>79</b>	<b>83</b>	<b>3</b>	<b>35</b>	<b>1</b>	<b>1</b>

\*Refer to ASX Announcements dated 24/2/2021, 10/3/2021, 17/3/2021, 8/4/2021 and 28/4/2021 for full details and JORC Tables



# HALLOYSITE USE AND MARKETS



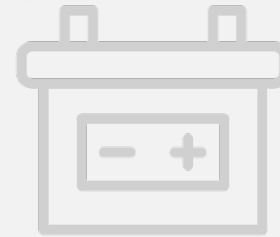
## CERAMICS

Halloysite clays produce very bright, white ceramics that achieve premium pricing



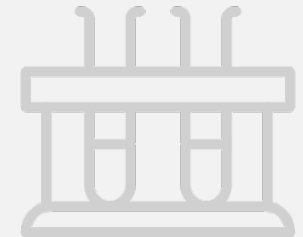
## METHANE SUPPRESSION

Due to the tubular nature, halloysite clays trap greenhouse gases such as methane and carbon dioxide



## SUPERCAPACITOR BATTERIES

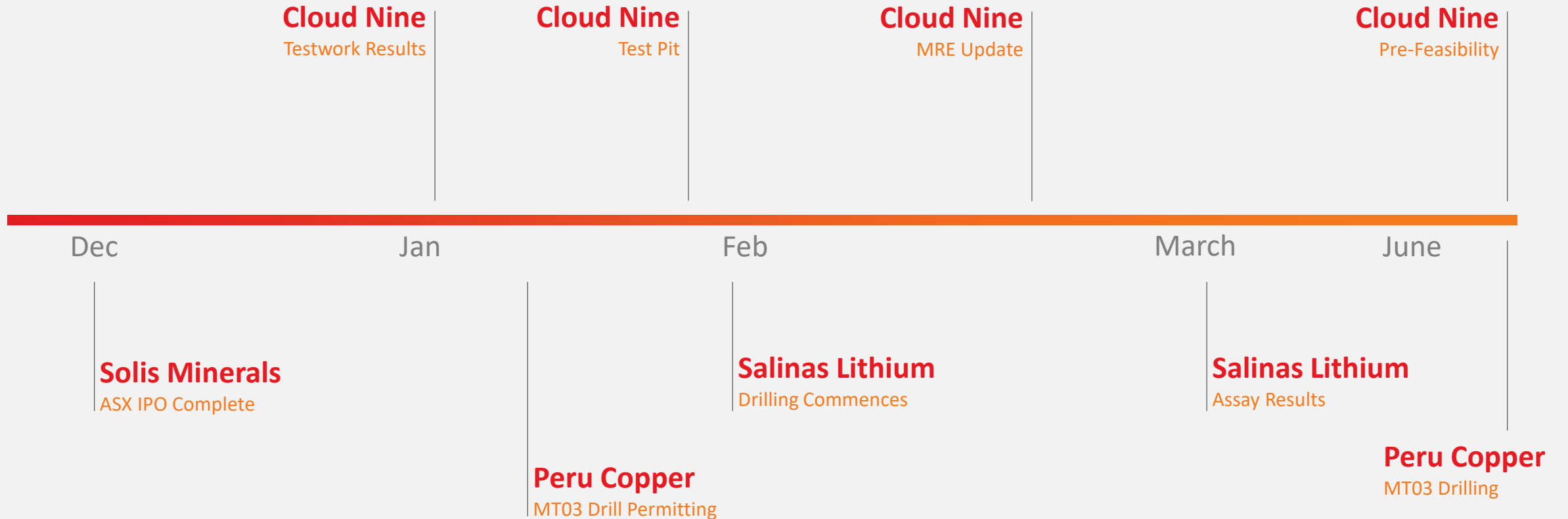
Used as an electrode material for electrochemical energy storage



## NANOTUBE TECHNOLOGIES

New uses including biomedical, waste-water treatment, dye removal & nanoelectronics

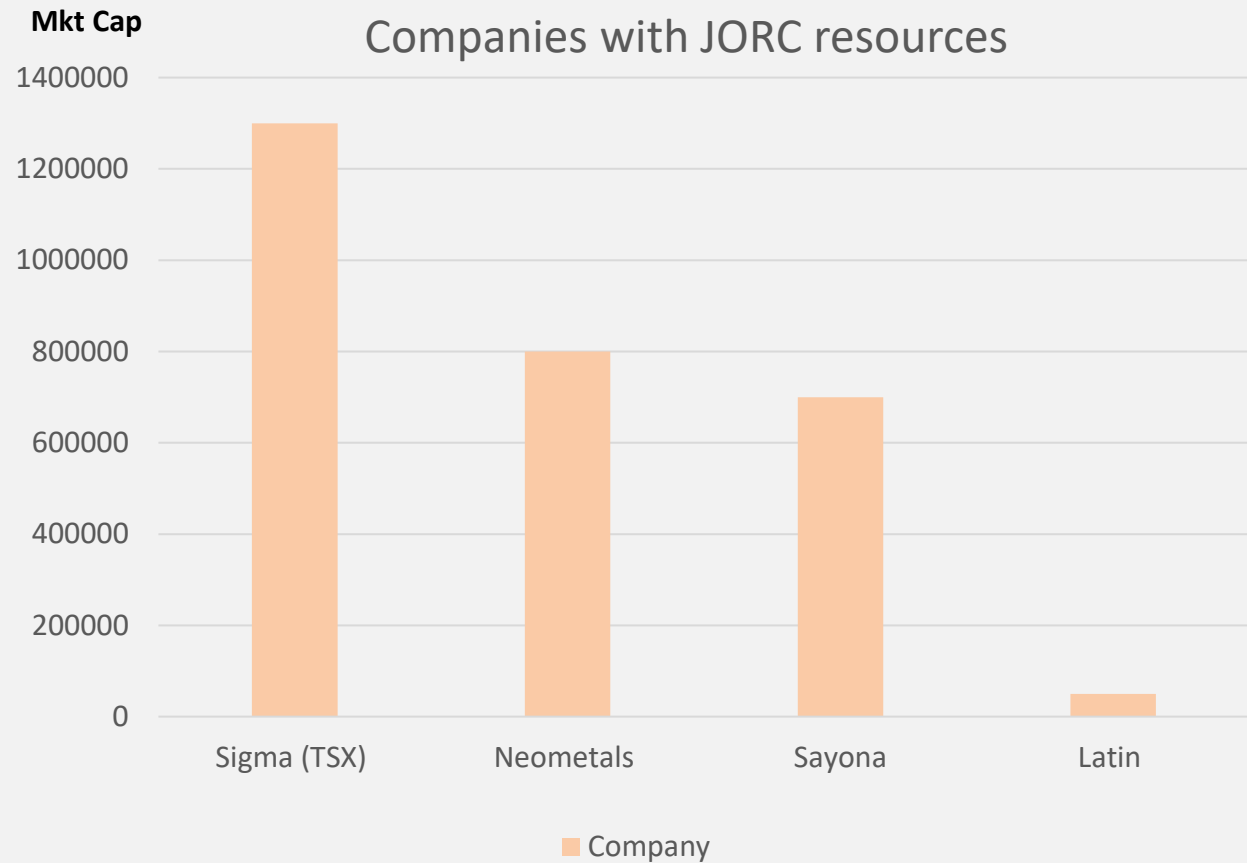




# PEER COMPARISON



*Latin Resources market cap has significant upside with the Brazil lithium discovery and milestone of a JORC resource currently in progress*





- ▶ Latin Resources to commence disclosing its Environmental, Social, and Governance (ESG) metrics.
- ▶ Disclosures is to be made using World Economic Forum ESG universal framework.
- ▶ Adoption of Socialsuite technology platform “ESG Go” for disclosing and monitoring progress.
- ▶ The Company is increasing its focus on exploring for, and developing those commodities that have a positive impact on our environment.

## Latin's ESG purpose statement:

“*Developing minerals to provide the planet with environmentally sustainable product*”

Socialsuite



## Contact Us

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