



**LATIN RESOURCES**  
LIMITED

**AMEC Company Update**  
*October 2021*

**Latin Resources Limited (ASX Code: LRS) (FRA:XL5)**

# Lithium and Copper Projects - South America



# Lithium in Brazil

## *Opportunity and Lithium Potential in Minas Gerais District*

- ▶ *Brazil is the worlds 8th largest economy and Latin Americas 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 reserves – new reserves 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*



# Sigma Lithium (TSX-V: SGMA)

## Sigma Lithium – Minas Gerais' First Big Mover

- Sigma is developing a world class lithium hard rock deposit at its Grotta do Cirilo property in Minas Gerais Brazil.
- Sigma has commenced construction of a commercial-scale lithium concentration plant.
- XUXA and BARREIRO Measured and Indicated 37Mt @ 1.48% Li<sub>2</sub>O.
- Initial production of 220,000 tonnes of Spodumene production per annum (32,000 tonnes LCE) in a commercial plant with a capacity of 1.5Mt.
- Production of 6% lithium concentrate due by 2023.
- **Sigma current Market Cap CAD \$800mm.**

- ✓ Past-producing lithium mine – Supports fast-track to commercial production
- ✓ Excellent infrastructure and project access - Expected to result in manageable capital costs to production
- ✓ Potential low-cost high-margin producer
- ✓ Significant additional potential +18,000 ha property & only 1 of 10 targeted lithium-bearing pegmatites drilled to measured resources
- ✓ Strategically positioned in Brazil providing high-quality battery-grade spodumene concentrate
- ✓ Seasoned Brazil-based management team & board with complementary skillsets to bring Sigma to production





## CBL – Early Domestic lithium Producers

- CBL producing lithium compounds of Hydroxide and Carbonate at its chemical plant Divisa Alegria.
- CBL produces 1,500 tpy of Lithium Carbonate Equivalent (LCE).
- Historically, the lithium compounds produced in Brazil do not meet the specifications for battery-grade products.
- Potential exists for LRS to feed Divisa Alegria with further high grade Lithium concentrate.
- Opportunity to upgrade Divisa Alegria to increase capacity and produce high quality battery grade products.
- **LRS Salinas Spodumene Pegmatite – Divisa Alegre – 140km by Road.**

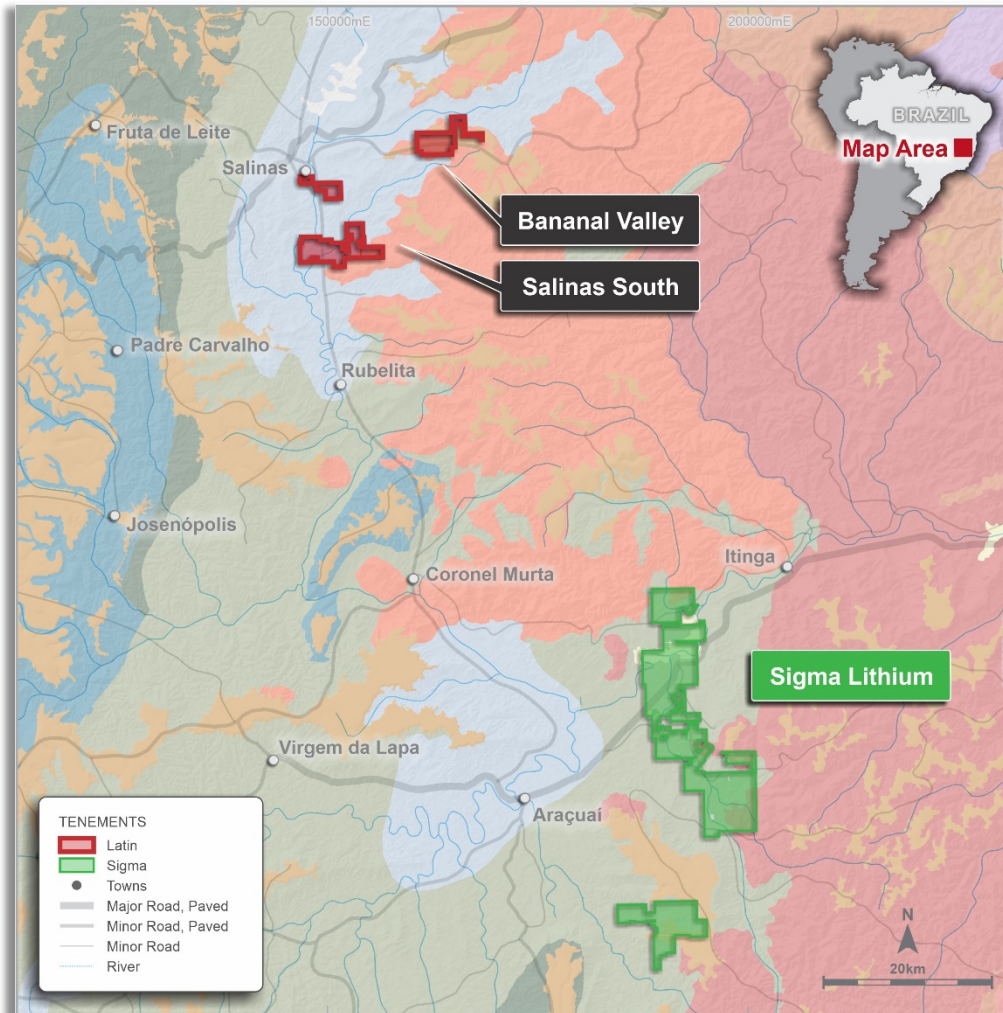


Divisa Alegre Lithium Hydroxide Plant  
Mina Gerais, Brazil  
140km from LRS Pegmatites

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

# Lithium Projects Snapshot – Minas Gerais – Brazil

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## **Salinas South**

- 3,200 Hectares

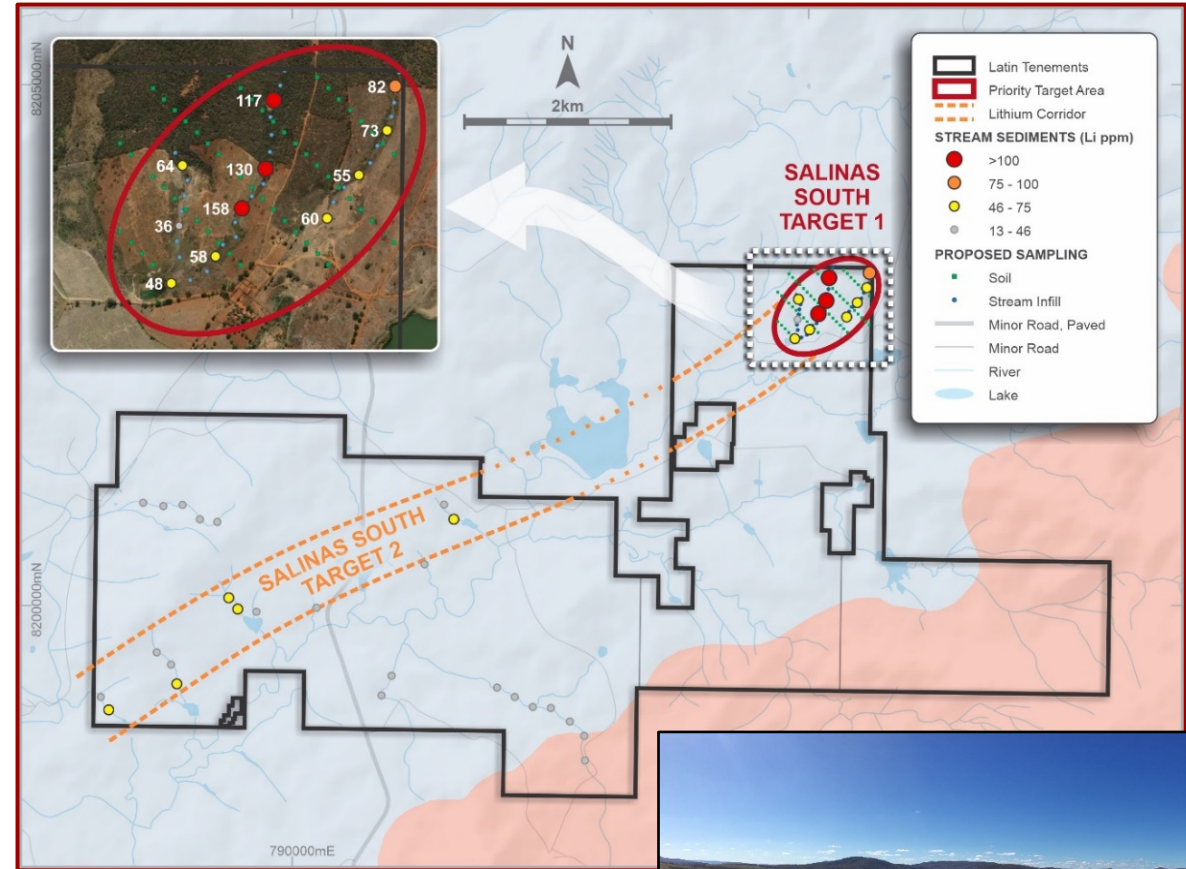
## **Bananal Valley**

- 1,250 Hectares
- Located in the NE of Minas Gerais
- 600km NE of Belo Horizonte
- 300km E of the Coastline
- Access via commercial flight to Aracuai or Vitoria de Conquista then 300km by road
- 128KV powerline from 360MW Irape Hydraulic Power station runs through prospects
- Transport network in good condition
- 5 Minute drive to Salinas town (pop. 40,000)



# Salinas & Bananal Valley

- Field work and mapping of the Bananal Valley area of the Salinas Lithium Project (100% LRS) has identified outcropping pegmatites containing spodumene over 4km<sup>2</sup> area, **confirming the Project's high prospectivity for lithium.**
- Initial results from regional reconnaissance stream sediment sampling of the Salinas South Project to the Southwest has **highlighted an anomalous lithium corridor extending across the Project.**
- **The company strategy is to build a significant lithium footprint in the district.** The focus will be then given to the well advanced spodumene tenure which will allow the Company to rapidly drill test any potential lithium deposit and enable it to be quickly advanced to JORC compliancy.



# Exploration program

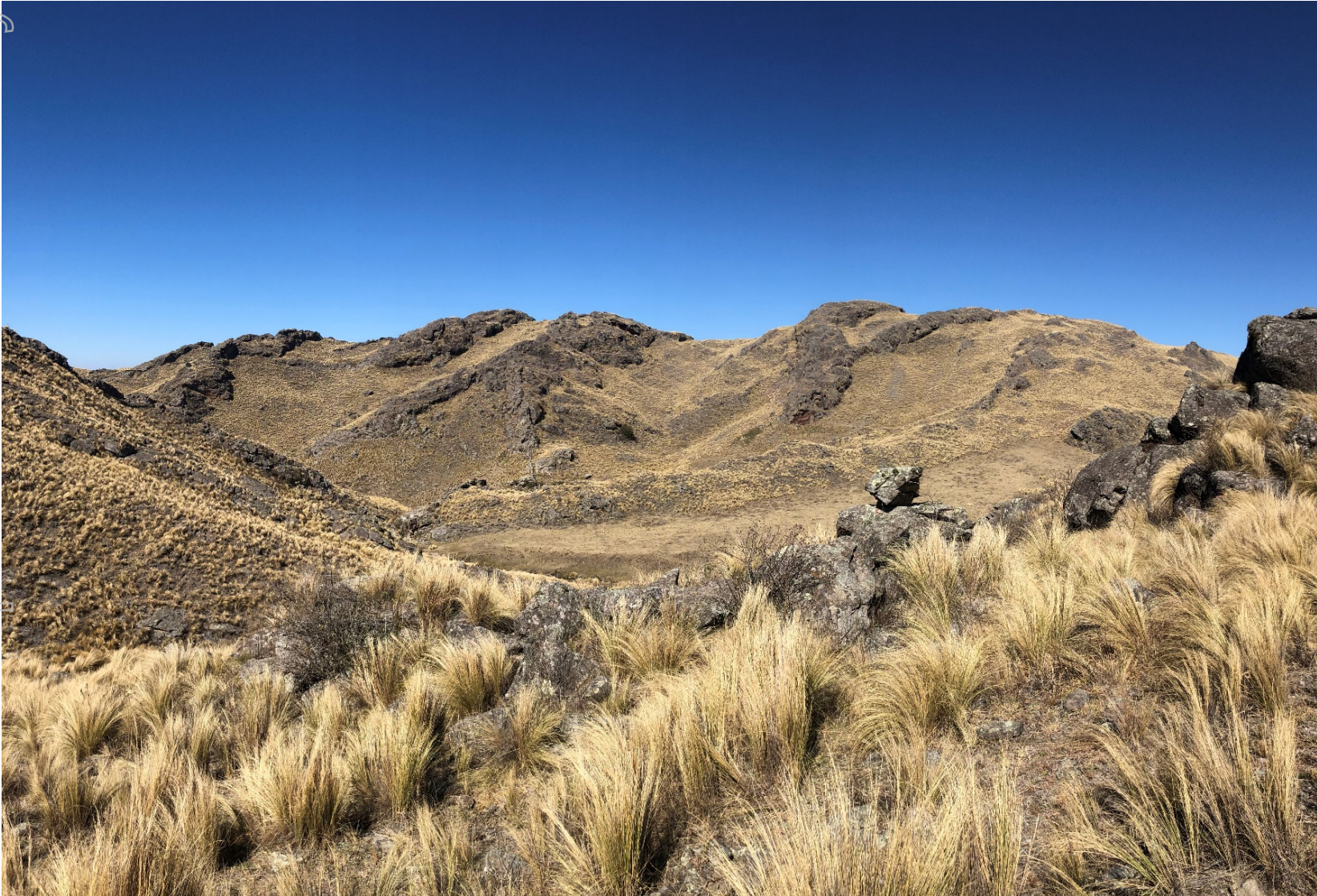
- Initial outcrop sampling and mapping has confirmed the presence of spodumene bearing pegmatites within the new tenements, with two adjacent samples sample returning grades of **2.71% Li<sub>2</sub>O and 1.45% Li<sub>2</sub>O respectively\***.
- Data compilation and desktop reviews completed have highlighted several high priority target areas within the Salinas Project area, where **Latin has undertaken systematic mapping and sampling of these focus areas with the aim of identifying drill targets.**
- **Preliminary drill sites have been selected** and will be finalised for the submission of the statutory approval documentation once all results from sampling have been received.



\* Refer LRS ASX announcement; 26/10/21



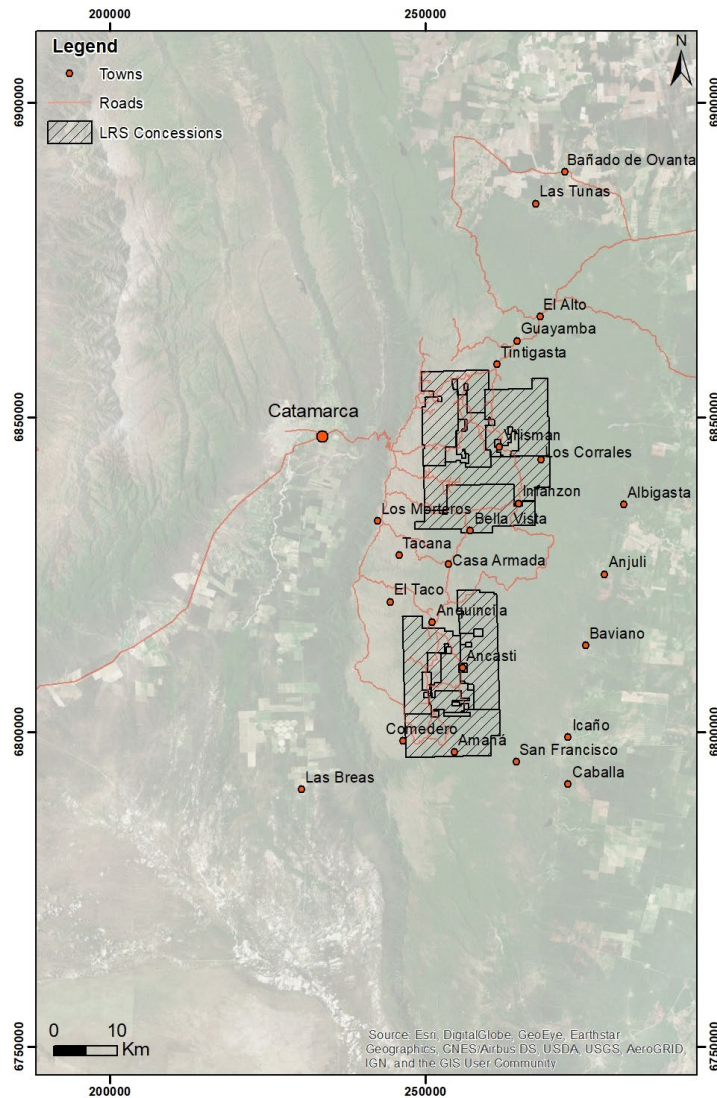
# Catamarca, Argentina – Lithium Exploration



- ▶ *LRS has the largest hard rock spodumene landholding in Argentina*
- ▶ *Under-explored spodumene Pegmatite Swarms*
- ▶ *Potential to host World Class Lithium Deposit*
- ▶ *Have a JV with Integra capital in which they will invest US\$1m into Catamarca for 50% of the project*



# Catamarca - NW ALTO / N ANCASTI – Over 70,000 Hectares



## Villisman Project

North West Alto

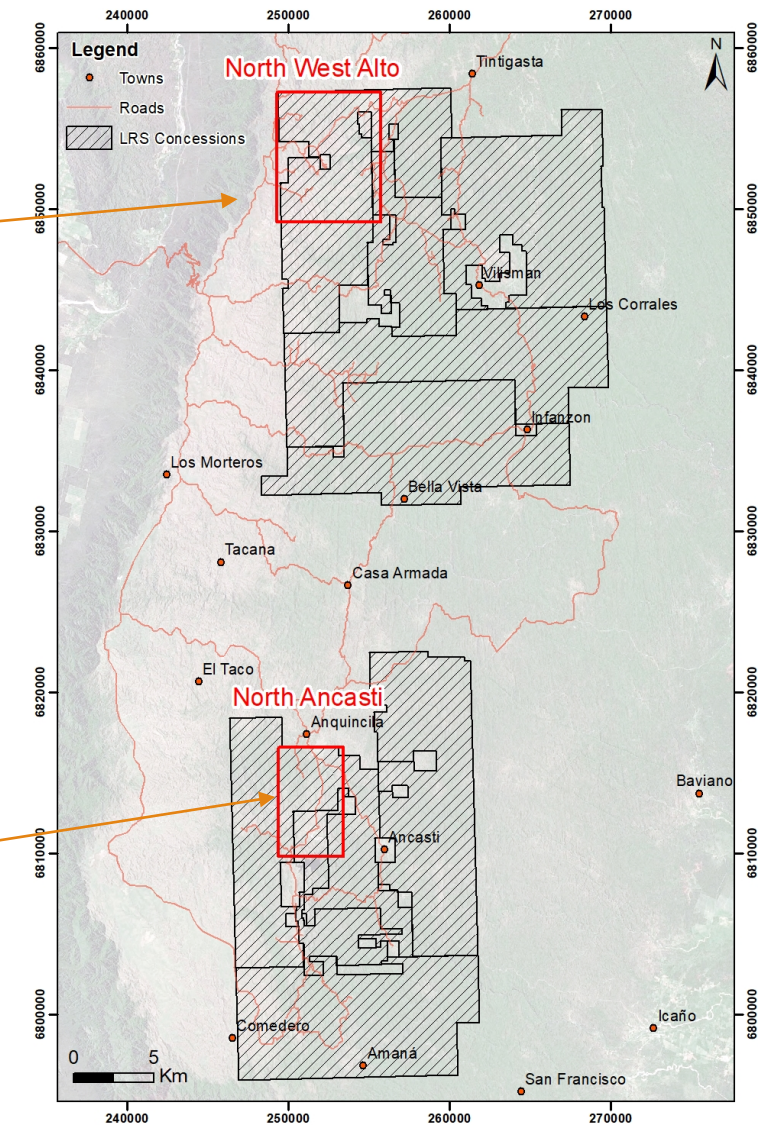
Drilling in 2<sup>nd</sup> 2017  
Intercepts include\*:

- 3m @ 2.98%  $\text{Li}_2\text{O}$
- 5.2m @ 1.62%  $\text{Li}_2\text{O}$
- 6m @ 2.40%  $\text{Li}_2\text{O}$
- 7m @ 2.17%  $\text{Li}_2\text{O}$

## Ancasti Project

North Ancasti

\* Refer ASX announcement; 26/04/17

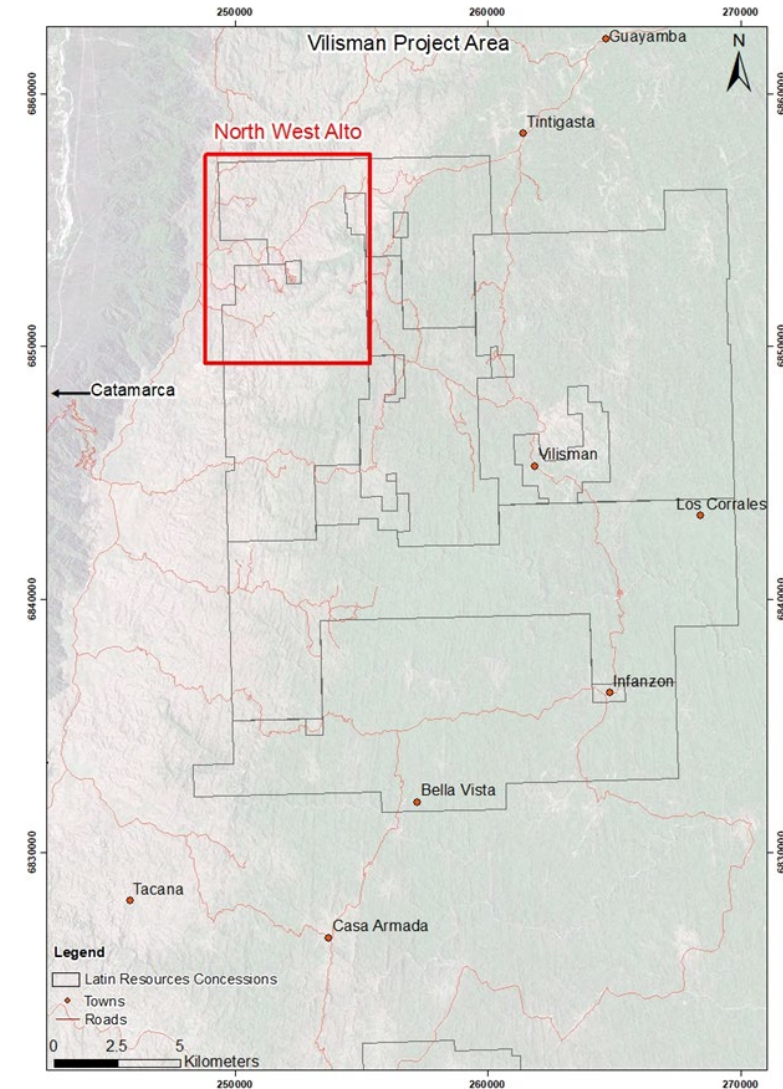




# Catamarca NW Alto

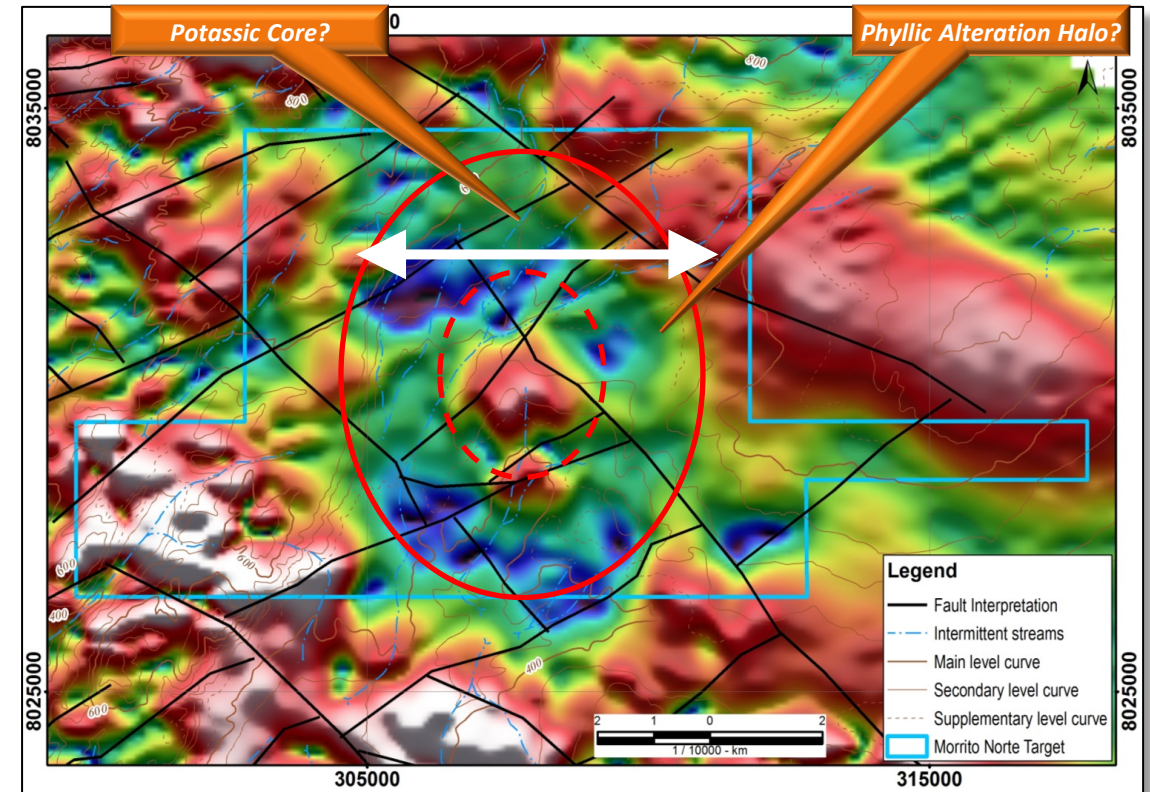
## NW Alto

- ▶ 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.



# Latin Resources – 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 Q1 2022.





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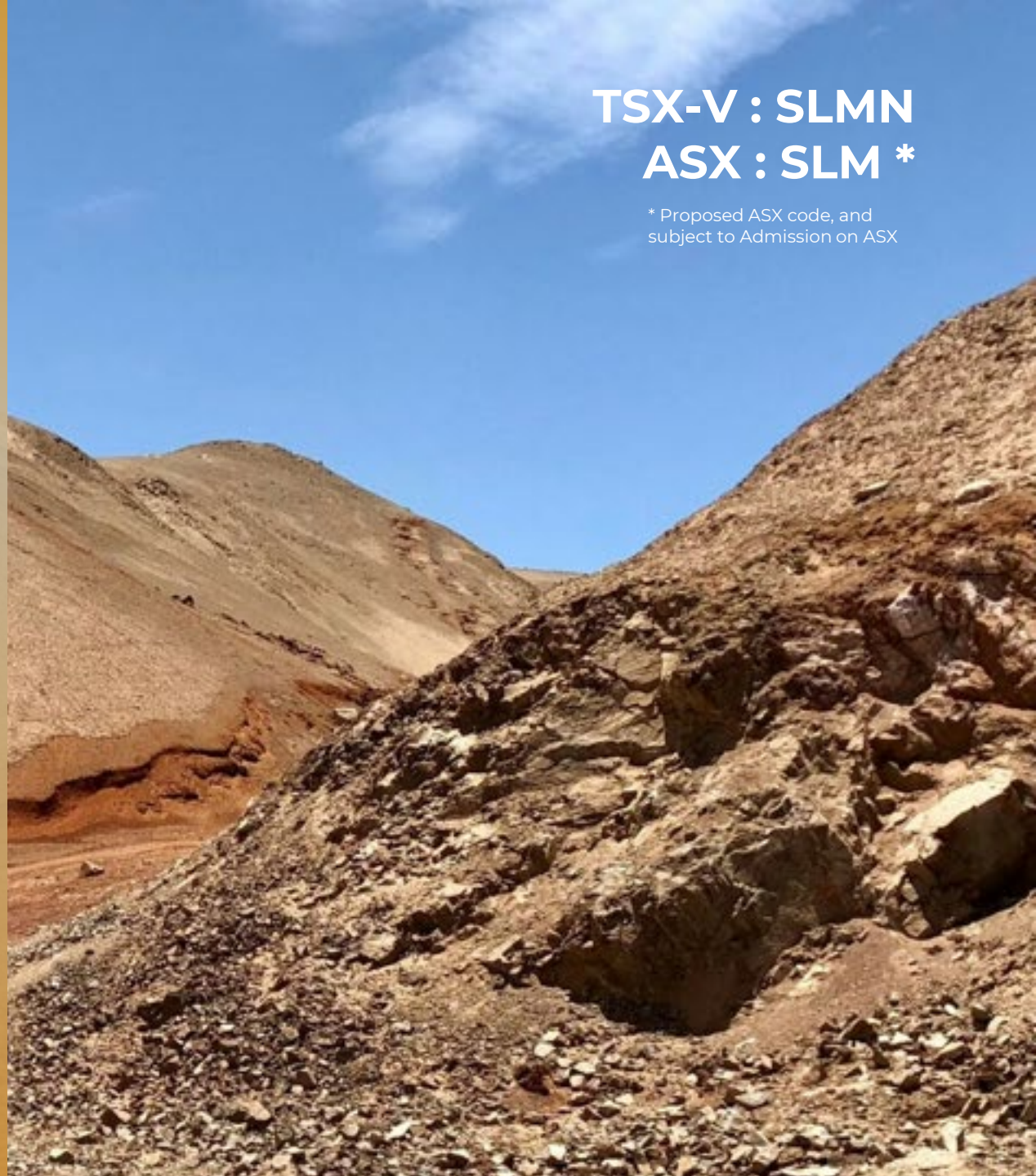


# Exploring for copper in the world's leading copper districts

*Solis IPO imminent - Latin resources is  
largest shareholder*

**TSX-V : SLMN**  
**ASX : SLM \***

\* Proposed ASX code, and  
subject to Admission on ASX

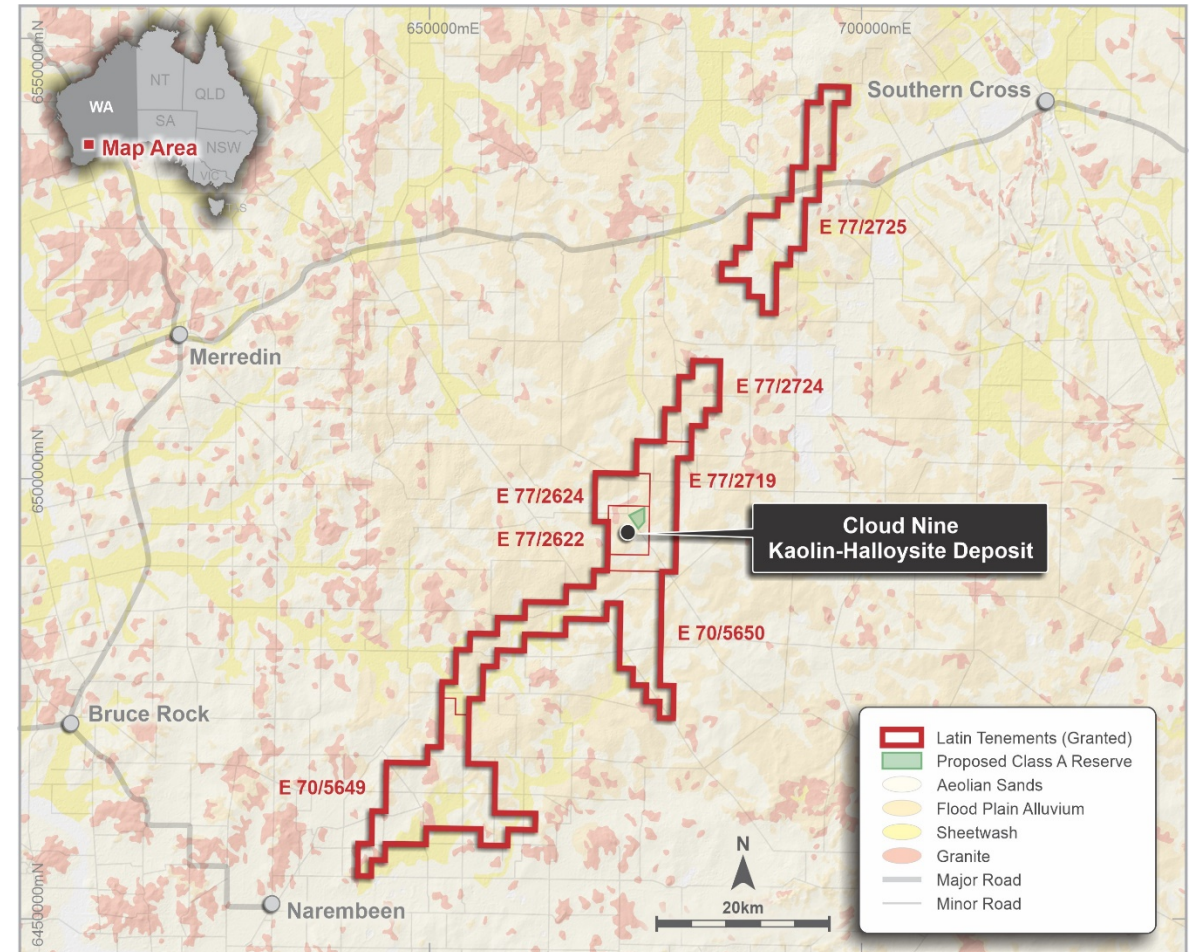




# Noombenberry Halloysite Kaolin Project – Merredin, WA

## Soft Rock Halloysite Project:

- Presents a compelling opportunity as one of Australia's few known occurrences of ultra high grade (near 50%) tubular Halloysite.
- Located near Merredin, less than 300km from Perth, with Fremantle Port easily accessible via the Great Eastern Highway. All services required for a low-cost mining operation are in close proximity.





# Cloud 9 – Maiden 207 MT JORC Resource

- Maiden JORC Resource completed in 18 months:**

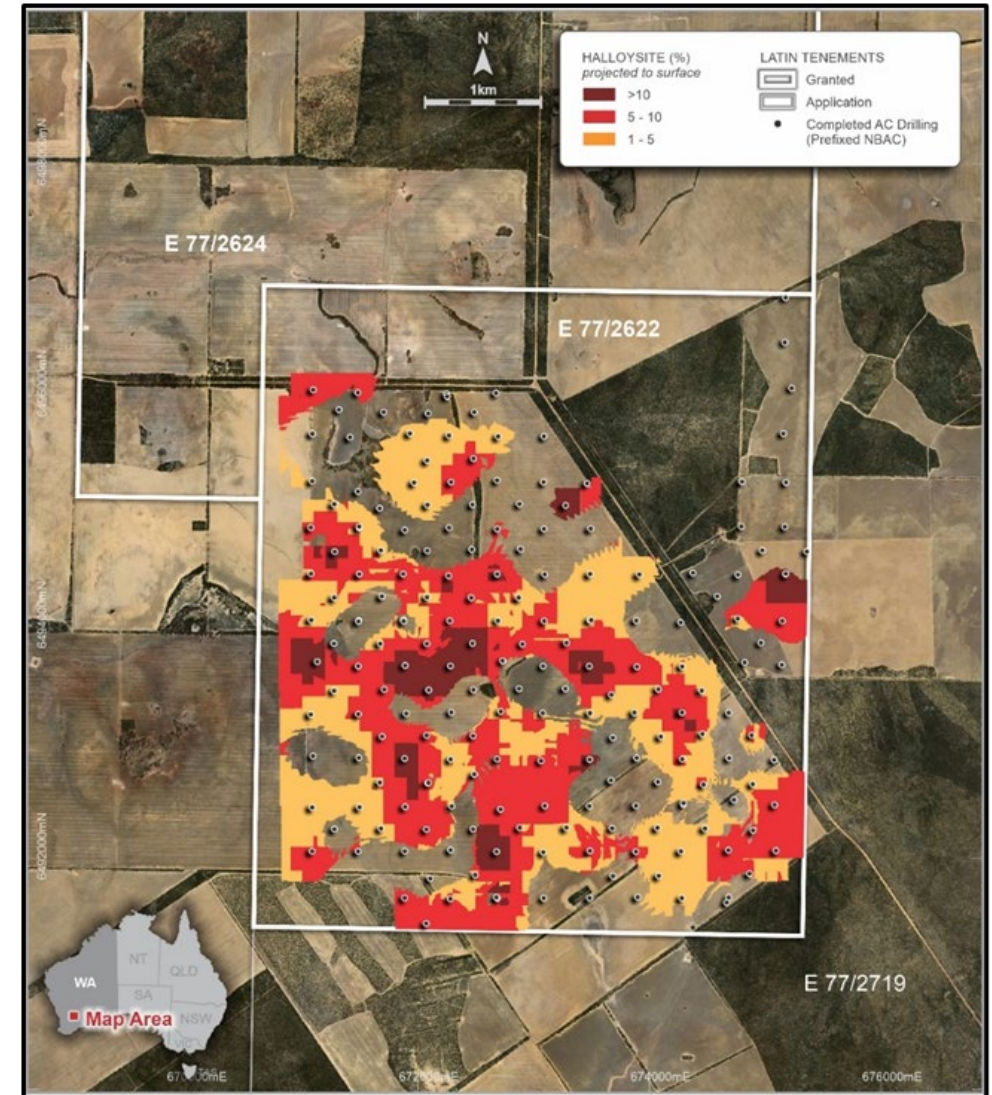
- 207 Mt of kaolinised Granite Comprising:
  - 123 million tonnes of bright white kaolin-bearing material; and
  - 84 million tonnes of kaolin/halloysite-bearing material.

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> <sup>6</sup> (%)	TiO <sub>2</sub> <sup>6</sup> (%)
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 - Kaolin Markets

## Halloysite use;

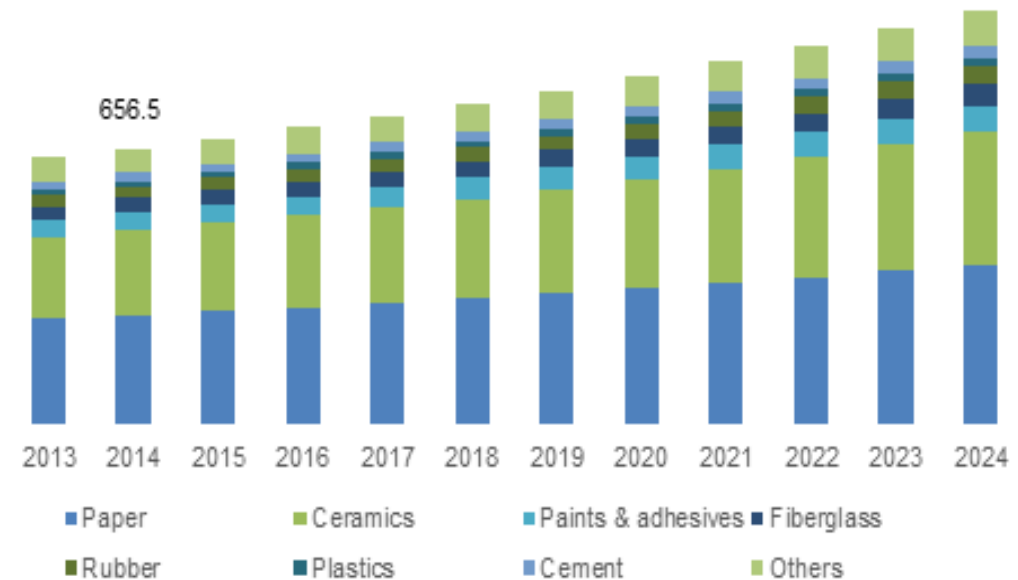
- Hydrogen Storage
- Carbon Dioxide capture
- Methane suppression
- Super capacitors and Batteries
- Nanotube technologies

## Kaolin use;

- Paper
- Ceramics
- Paints ,Cement , Plastics

- **Discussions have started with potential off take partners**
- **Major focus on valuable mineral - Halloysite**
- **Pre – feasibility Study commenced**

- *The Global Kaolin market was valued US\$ 5.43Bn in 2013 and is expected to reach US\$ 8.23Bn by 2024, at a CAGR of 6.5%*



Source; Global Market Insights



# Latins - Environmental, Social and Governance (ESG )

- Latin Resources (LRS) to commence disclosing its Environmental, Social, and Governance (ESG) metrics.
- Disclosures 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 progressing a strategic review of its portfolio, with an increasing focus on exploring for, and developing those commodities that have a positive impact on our environment.

**Latins ESG purpose statement:**

***“Developing minerals to provide the planet with environmentally sustainable products “***

# Latin Resources News Flow

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- *Brazil lithium assay results*
- *Test work results for Cloud 9 project*
- *Cloud 9 Initial pre-feasibility results released*
- *Drilling commences Salinas and Bananal Projects - Minas Gerais*
- *Assay results Catamarca lithium project*
- *Drilling commences Peru copper project*
- *Solis IPO*



# Company Metrics (ASX:LRS)

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<b>Market Cap</b>	-	<b>\$70 M</b>
<b>Share Price</b>	-	<b>\$0.05</b>
<b>Shares on issue</b>	-	<b>1,408,640,263</b>
<b>Options on Issue</b> (\$0.012 – Dec 2022)	-	<b>464,052,381 (Listed Options - LRSOC)</b>
	-	<b>59,666,667 (Various Unlisted Options)</b>
<b>Performance Rights on issue</b>	-	<b>22,019,104</b>

## Peers Mkt Cap

Andromeda (ADN) Halloysite - \$400m  
Lake Resources (LKE) Lithium Argentina - \$900m  
Sigma Lithium(TSX:SGMA ) Brazil - CAD\$800m

## Top Shareholders

Integra Capital – 8%  
Directors – 4%  
JP Morgan Nominees – 7%  
**Top 50 – 37%**

**Cash on Hand &  
Investment (TSX-V:SLMN)**  
\$5.3 M \*

**52 week (Low – High)**  
\$0.003 - \$0.10

**30 -day Average Vol**  
13.75m shares per day  
**30-day VWAP**  
\$0.047

\*As of 30/06 /21



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## Thank You & Questions

*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.*