# LATIN RESOURCES

# **Fast Markets Presentation**

June - 2024 Las Vegas

# Minas Gerais - Supportive mining jurisdiction



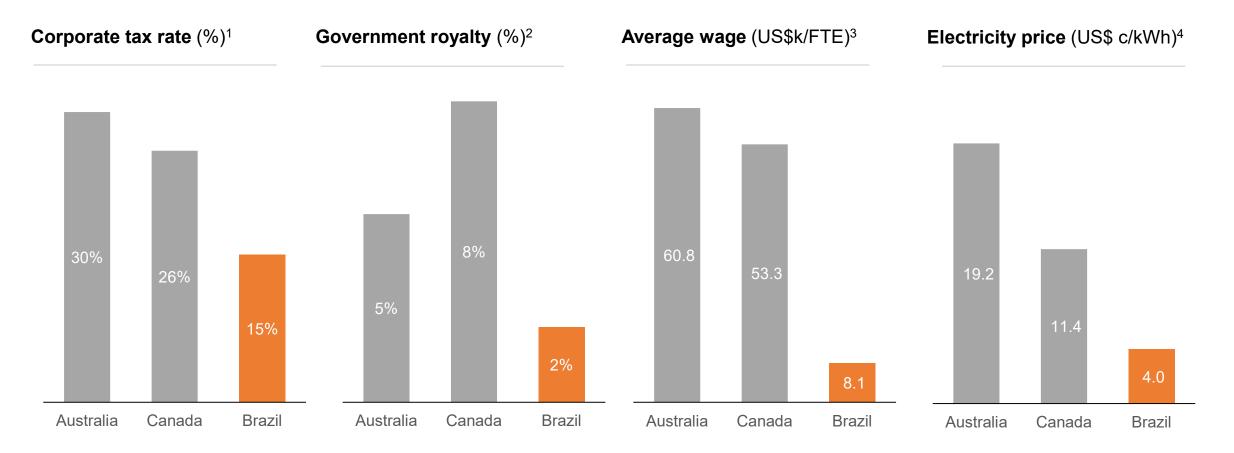
Minas Gerais is Brazil's third largest economy and is well serviced by infrastructure, hydroelectric power, water and a major port facility



# Hard-rock lithium jurisdiction comparison

Brazil is a low-cost jurisdiction making Latin Resources better positioned with key input costs





Source(s): (1) Australia sourced from ATO, Canada tax rate sourced from recent Canadian hard-rock developer PEA (GT1:ASX), Brazil reflects Sudene tax benefit (15.25% corporate tax rate) for developing regions within Brazil, (2) presented as revenue based - Australia sourced from ATO, Canada tax rate sourced from recent Canadian hard-rock developer PEA (GT1:ASX) and Brazil sourced from Brazilian authorities, (3) sourced from https://www.worlddata.info/average-income.php (accessed June 2024), (4) sourced from https://www.energycouncil.com.au/media/iusbvpvr/household-electricity-prices.jpg (accessed June 2024), Brazil sourced from Minas Gerais actuals (June 2024)

# Minas Gerais - Supportive mining jurisdiction



## Lithium Valley: Minas Gerais Brazil

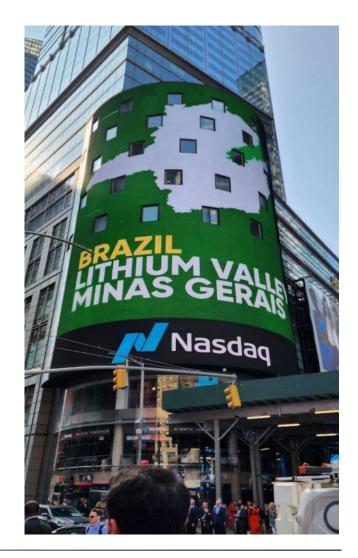
Minas Gerais is a leading mining jurisdiction globally for supporting productive and sustainable operations

Minas Gerais government leading a strong push to develop a Lithium minerals sector within the province.

The same mining consultants that worked on Sigma project are now working on Latin Resources Salinas lithium project.

- MoU: LRS signed a non-binding MoU with Invest Minas (the Minas Gerais Economic Development Department and Minas Gerais Integrated Development Institute) in March 2023
- Purpose: fast-track project approvals and development for the Salinas Lithium Project, collaborate on building a lithium sector in Minas Gerais
- Key outcome: Salinas given priority project status by Minas Gerais State





# Salinas a Tier 1 Mineral Resource base



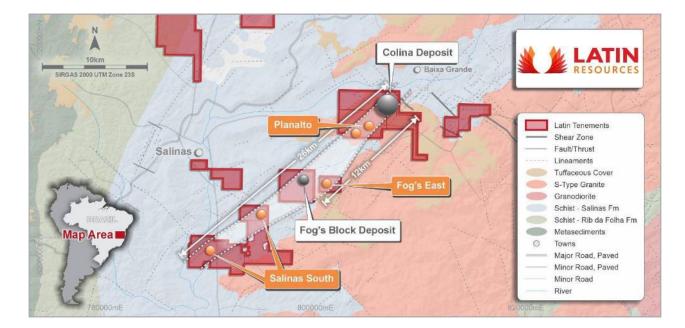
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Mineral Resource remains open at depth and along strike, providing significant resource growth potential

## 77.7Mt @ 1.24% Li<sub>2</sub>O Global Resource<sup>1</sup>

7.0 to 18.0Mt Exploration Target<sup>2</sup>

>90Mt Potential



Growth in the Mineral Resource base will increase production capacity and improve project economics in the DFS, with completion targeted for 3<sup>rd</sup> Quarter 2024

Colina deposit Mineral Resource growth



Deposit	Resource Category	Tonnes (Mt)	Grade (Li <sub>2</sub> O %)	Li <sub>2</sub> O (Kt)	Contained LCE (Kt)
	Measured	28.64	1.31	375.2	927.8
	Indicated	38.63	1.23	475.1	1,175.0
Colina	Measured + Indicated	67.27	1.27	854.3	2,112.8
	Inferred	3.59	1.10	39.5	97.7
	Total	70.89	1.25	889.8	2,200.5
Fog's Block	Inferred	6.79	0.87	59.1	146.1
	Total	6.79	0.87	59.1	146.1
GLOBAL MRE TOTAL		77.7	1.24	948.9	2,346.6

## LATIN RESOURCES LIMITED | ASX:LRS FRA:XL5

<sup>1</sup>Refer to ASX Announcement 30 Mat 2024 – "COLINA LITHIUM DEPOSIT MRE UPGRADE: GLOBAL JORC MRE – 77.7MT @ 1.24% Li2O" <sup>2</sup>The potential quantity and grade of the Fog's Block Exploration Target is conceptual in nature, that there has been insufficient exploration to estimate a Mineral Resource and that it is uncertain if further exploration will result in the estimation of a Mineral Resource.

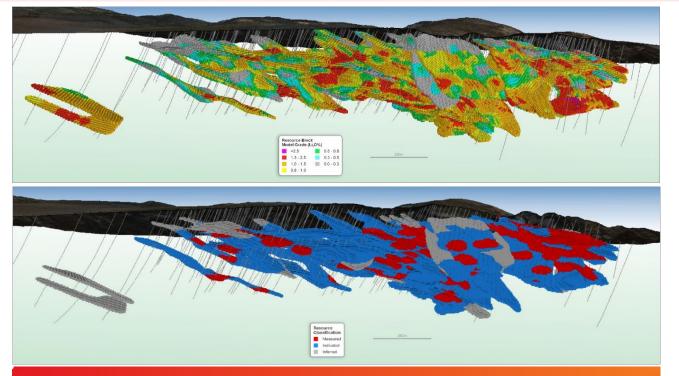


## Colina is the single largest lithium deposit in Brazil

## 70.9Mt @ 1.25% Li<sub>2</sub>O Colina Resource<sup>1</sup>

## 67.3M t@ 1.27% Li<sub>2</sub>O JORC M+I<sup>1</sup>

95% JORC M+I<sup>1</sup>



95% of the Colina Deposit Resource in the JORC Measured + Indicated categories provides extrement strong basis to move forward with detailed mine planning and scheduling of Mining Reserves

## **Colina deposit Mineral Resource growth**

- Total of 297 diamond drill holes for 98,958m have been incorporated into the MRE:
  - an increase of 99 holes and 36,308m since the December 2023 MRE
- 95% or 67.3Mt classified into the JORC Measured and Indicated categories
- High confidence levels reflective of high-quality drilling data, extremely robust geological and mineralisation models
- Providing sold foundation for DFS mine planning, scheduling and declaration of mining reserves.

# **Colina Deposit DFS Metallurgical Testwork**

- Lithium stage recovery of 93.1% was achieved from the coarse sample to a spodumene concentrate grading 5.5% Li2O, using pilot scale DMS equipment
- The successful operation of the DMS pilot plant demonstrates the potential to build a simple first stage "quick to market" DMS circuit
- Results to form valuable insight for the upcoming Definitive Feasibility Study (DFS)
- ► SGS Lakefield is continuing test work for DFS :
  - Three bulk samples plus waste
  - Determine variability across the resource with repeat bench-scale tests.
  - Process residue dewatering and stack characterization
  - Sulphation
  - Ore Sorter testing

93.1% Recovery to 5.5% Li<sub>2</sub>O Concentrate







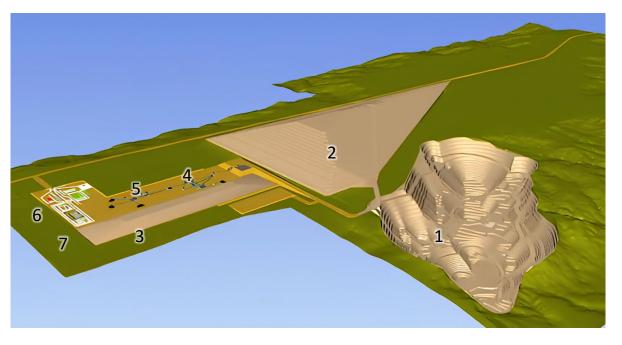
# Mining – Open Pit



## Summary of Operations

Overview	— The Colina Deposit is to be mined by a open pit
	<ul> <li>Mineralized rock will be drilled, blasted, loaded by hydraulic shovels and hydraulic excavators into dump trucks, and hauled to the processing plant</li> </ul>
Grade control	<ul> <li>— 3D grade-controlled wireframe modelling used to provide broad controls of the dominant mineralizing direction for each zone of the deposit</li> </ul>
Mining Contractor	<ul> <li>Company has received quotes from local contractors which have been deemed reasonable for mobilization, drilling, blasting, load and haul</li> </ul>
	<ul> <li>Management and technical services are provided by the company</li> </ul>
Haulage	<ul> <li>Haulage road to be designed to allow for a width of three times the widest haulage vehicle where dual traffic exists and double if single lane traffic</li> </ul>
	<ul> <li>Planned to be constructed to accommodate 40/100 nominal tonne trucks</li> </ul>
Waste movement	<ul> <li>Tetra Tech was contracted to design facility for tailings and mine waste</li> </ul>
	<ul> <li>Designated area for disposal tailings and mine waste 3km from mill complex site</li> </ul>

# Oblique 3D view of Salinas Project open pit mine (looking SW) with mineralisation & infrastructure



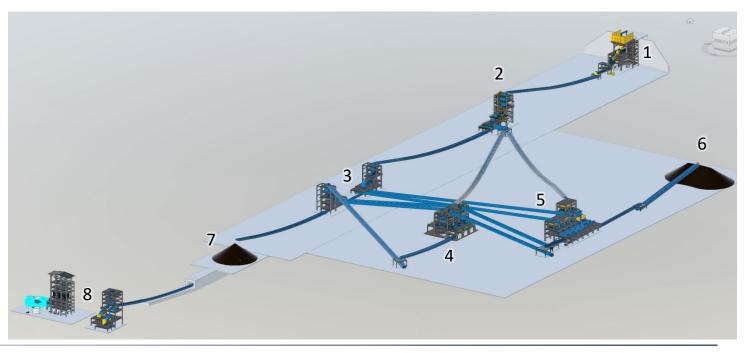
- 1- Mine Pit
   2- Mined Waste Stockpile
   3- Process Residue Stockpile
   4- Crushing Plant
- 5- Wet Separation Plant6- Administrative Buildings
- 7- Main Electrical Substation

# **Simple DMS Processing**



- 3-stage crushing: Run of mill (ROM) ore will be delivered from the mine and stockpiled. The crushing circuit will consist of 3stage crushing (primary jaw, secondary cone, and tertiary crushing)
- Scrubbing and feed preparation: Crushed ore will then be subject to scrubbing, desliming, thickening, dewatering and the separation of the fines from the coarse material
- Spiral gravity circuit: Deslimed fines will be fed to a gravity spiral concentrator circuit to product a 3.0% spodumene product (SC3)
- Dense Media Separation (DMS): The DMS circuit comprises of a coarse DMS stream and a fines DMS stream, both of which produce a 5.5% spodumene concentrate product (SC5.5)
  - 1- Primary Crusher
  - 2- Primary Screening
  - 3- Secondary Screening
  - 4- Secondary and Terciary Crusher
  - 5- Ore Sorting
  - 6- Residue Pile
  - 7- Pre-concentration Pile
  - 8- Concentration Plant

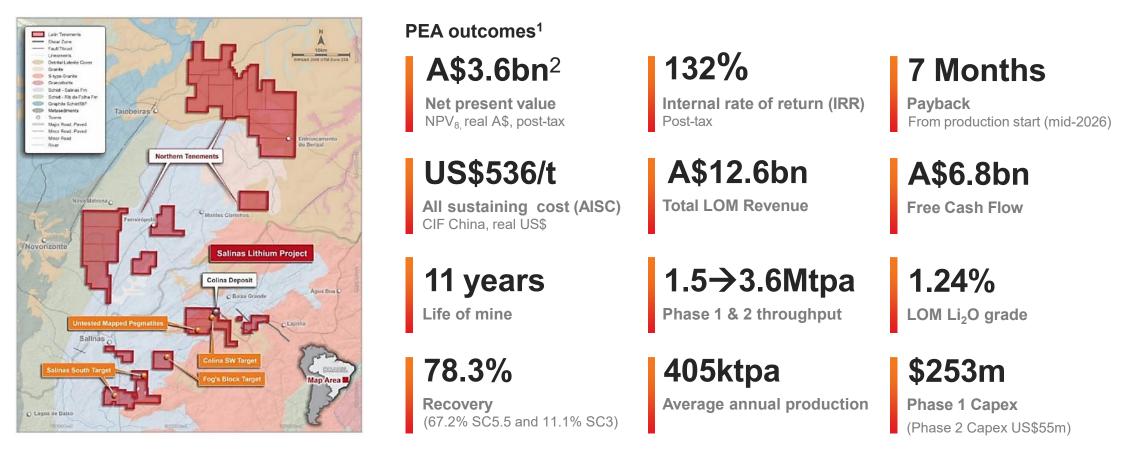
- DMS is well understood and implemented at many spodumene producers globally
- Metallurgy and processing design undertaken by highly experienced consultant SGS Geosol
- Average LOM recovery rate of 78.3% comprised of 67.2% for SC5.5 and 11.1% for SC3



# Salinas at a glance: PEA overview (DFS – 3<sup>rd</sup> Quarter 2024)



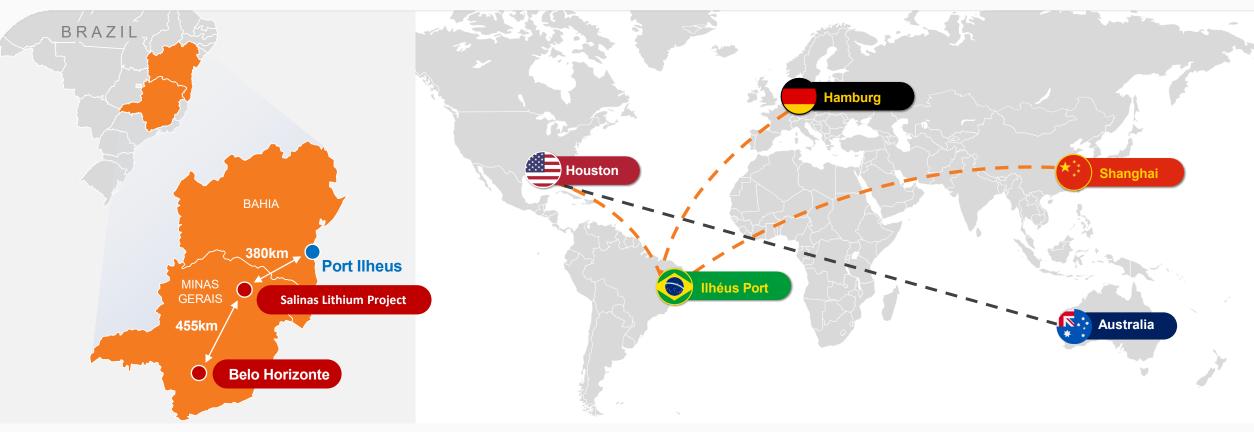
The Salinas Lithium Project ("**Salinas**") is located 10km from the town of Salinas, in the north-east of the state of Minas Gerais, Brazil and is expected to deliver high-quality 5.5% Li<sub>2</sub>O spodumene concentrate and 3% Li<sub>2</sub>O tails concentrate



PEA completed to an overall +/- 35% accuracy, for full details refer to ASX Announcement dated 28 September 2023 "Robust Results for Colina Lithium Project Preliminary Economic Assessment".
 Weighted average spodumene concentrate price of US\$1,699/t (A\$2,427) CIF SC5.5 and US\$927/t (A\$1,324) CIF SC3.

## **Advantageous Location – Focus on USA and EU**





Short distance to the USA (IRA spend >US\$350B). Atlantic port access brings the advantage of faster delivery, reduced shipping costs and lower carbon footprint

Recent EU Critical Raw Minerals proposal to enter trade agreements to secure supply from Latin America Brazil offers an alternative source of supply compared to the majority of current supply of spodumene coming from Australia

## **Indicative development schedule**



DFS scheduled for completion in June 2024 with FID targeted for Q4 2024 and first production mid-2026

	2023		2024		2025		2026	
	1H	2H	1H	2H	1H	2H	1H	2H
Mineral Resource upgrade								
Met work / DMS pilot plant								
Preliminary Economic Assessment								
Offtake Partnering Process				$\bigcirc$				
Definitive Feasibility Study								
Environmental & mining permits			i					
Development licence approval				0				
Funding Process				Ó				
Final Investment Decision				C	)			
Construction								$\mathbf{\mathcal{D}}$
First production							(	$\mathbf{\hat{c}}$
					In pro	gress 🔴 c	ompleted	) milestone

## **Board and management team**



Highly experienced Board and management team diversified across mining, exploration and project development, with strong lithium credentials



**David Vilensky** Non-Executive Chairman

Corporate lawyer and an experienced listed company director, with over 35 years' experience in the areas of corporate and business law and in commercial and corporate management.

**Brent Jones** 

Non-Executive Director



Christopher Gale Managing Director

Founder (2008) and Managing Director of Latin Resources with a 25-year career in commercial and financial roles in public and private companies. He is the founding director of boutique corporate advisory firm Allegra Capital, and is a member of the Australian Institute of Company Directors (AICD).



Pablo Tarantini Non-Executive Director

Broad professional experience in the mining industry in Argentina and Latin America. Served as Executive Director of the Argentinian Bureau of Investment and International Trade, coordinating investment initiatives and supporting the promotion of the mining activity in Argentina. Former President and Executive Director of SAPISA and Minera Don Nicolás.



Peter Oliver Executive Director

Mining professional with c-suite lithium credentials, former CEO/MD of Talison Lithium and corporate adviser to Tianqi Lithium, where he assisted on M&A activity and recruited key personnel to establish Tianqi outside of China. Career in operational mining roles, including General Manager of Talison's Greenbushes and Wodgina mines and as COO of Talison.



Sarah Smith Company Secretary

Chartered Accountant Experienced in IPOs, M&A, ASX and ASIC compliance Appointed 2016.

Experienced financial services professional who has held

numerous directorships and managerial positions. Head of

a national supplier of diversified professional services to the

Accounting and Advice industry.

Professional Services at Seguoia Financial Group (ASX:SEQ),

## **Corporate Overview**

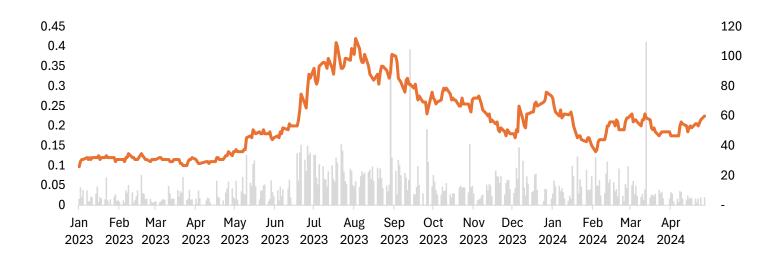


LRS	XL5	\$3.2m	\$560m	
ASX Code	FRA Code	Daily Value	Market Cap <sup>1</sup>	• AS
2.8B	\$39m	\$521m	\$0.20	• Ad Ca Sm
Shares	Cash <sup>1</sup>	Enterprise Value <sup>1</sup>	Share Price	

114m Outstanding options with a 22c exercise price (\$25m)

## Share price performance

Share price (A\$/share)



ASX 300 adr	nission	(March	2024)
/			

Admitted onto Morgan Stanley
 Capital International ("MSCI") Global
 Small - Cap Index (August 2023)

Latin has c25% institutional investors on the register

## Institutional investors (Global)



Volume (M shares)



Institutional investors (Brazil)

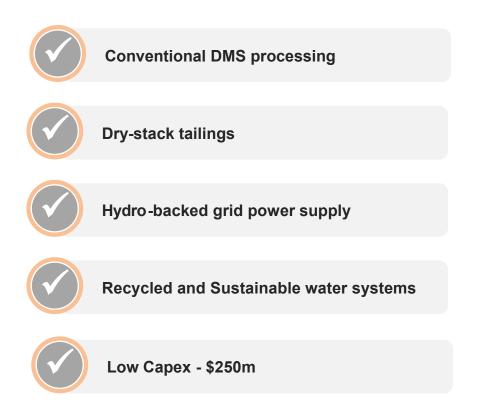


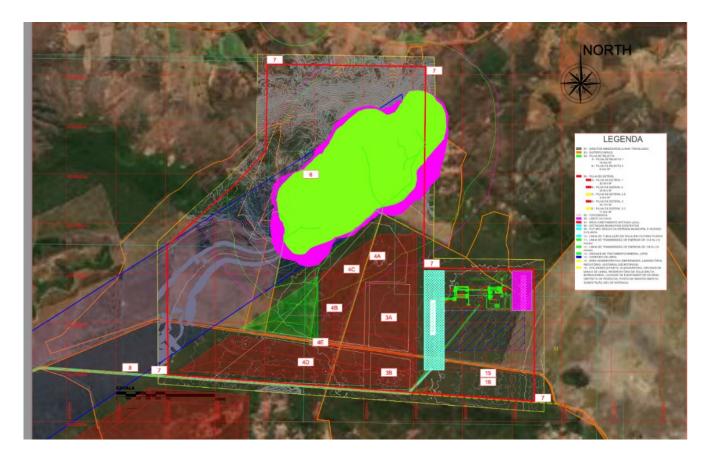
# Salinas – A Sustainable and low-cost Tier 1 operation (US\$536/t AISC)



Salinas is planning to be in production in 2026 - targeting lift in lithium prices as Li demand grows

ESG complaint , low-cost Tier One Lithium mine







# Thank You

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## **Competent Person Statement**



#### **Competent Persons Statement(s)**

The information in this report that relates to Geological Data and Exploration Results for the Salinas Lithium Project is based on information compiled by Mr Anthony Greenaway, who is a Member of the Australian Institute of Mining and Metallurgy. Mr Greenaway sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Greenaway consents to the inclusion in this report of the matters based on his information, and information presented to him, in the form and context in which it appears.

The information in this report that relates the Mineral Resource Estimate for the Salinas Lithium Project are based on the information compiled by Mr Marc-Antoine Laporte M.Sc., P.Geo, who is an employee of SGS Canada Ltd and a member of the L'Ordre des Géologues du Québec. He is a Senior Geologist for the SGS Geological Services Group and as more than 15 years of experience in industrial mineral, base and precious metals exploration as well as Mineral Resource evaluation and reporting. Mr Laporte sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to quality as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. The Company confirms that it is not aware of any new information or data that materially affects the information in the original market announcements, and that the form and context in which the Competent Persons findings are presented have not been materially modified from the original market announcement.

The information in this report that relates to the Exploration Target for the Salinas Lithium Project is based on the information compiled by Mr Marc-Antoine Laporte M.Sc., P.Geo, who is an employee of SGS Canada Ltd and a member of the L'Ordre des Géologues du Québec. He is a Senior Geologist for the SGS Geological Services Group and as more than 15 years of experience in industrial mineral, base and precious metals exploration as well as Mineral Resource evaluation and reporting. Mr Laporte sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to quality as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'.

#### **Cautionary Statement – Fog's Block Exploration Target**

The potential quantity and grade of the Fog's Block Exploration Target is conceptual in nature, that there has been insufficient exploration to estimate a Mineral Resource and that it is uncertain if further exploration will result in the estimation of a Mineral Resource.

#### **Confirmation Statement – Colina Project Preliminary Economic Assessment**

The production targets and forecast financial information disclosed in this Announcement is extracted from the Company's ASX announcement entitled "*Robust Results for Colina Lithium Project Preliminary Economic Assessment (PEA)*", dated 28 September 2023. The Company confirms all material assumptions underpinning the production targets and forecast financial information derived from the production targets in the initial announcement continue to apply and have not materially changed.

#### Announcements – Referenced

- "COLINA LITHIUM DEPOSIT MRE UPGRADE:: GLOBAL JORC MRE 77.7MT @ 1.24% Li20 95% OF COLINA DEPOSIT NOW IN MEASURED AND INDICATED CATEGORIES 67.27Mt @ 1.27% Li20", 30 May 2024.
- "Robust Results for Colina Lithium Project Preliminary Economic Assessment (PEA)", 28 September 2023.
- "District Scale Lithium Corridor Confirmed At Salinas", 28 June 2023.

## **Appendix A- Mineral Resource Estimates**



## Colina Mineral Resource Estimate

Denesit	Deservice Codeservic	Tonnes	Grade	Li <sub>2</sub> O	Contained LCE
Deposit	Resource Category	(Mt)	(Li <sub>2</sub> O %)	(Kt)	(Kt)
	Measured	28.64	1.31	375.2	927.8
	Indicated	38.63	1.23	475.1	1,175.0
Colina	Measured + Indicated	67.27	1.27	854.3	2,112.8
	Inferred	3.59	1.10	39.5	97.7
Total		70.89	1.25	889.8	2,200.5

## Fog's Block Mineral Resource Estimate

Deposit	Resource Category	Tonnes (Mt)	Grade (Li <sub>2</sub> 0 %)	Li <sub>2</sub> O (Kt)	Contained LCE (Kt)
	Measured	-	-	-	-
	Indicated	-	-	-	-
Fog's Block	Measured + Indicated	-	-	-	-
	Inferred	6.79	0.87	57.3	141.7
Total		6.79	0.87	57.3	141.7

## Fog's Block Exploration Target

Donosit	Lower Range	Upper Range	Grade Range
Deposit	(Mt)	(Mt)	(Li <sub>2</sub> 0%)
Fog's Block	7.0	18.0	0.8 - 1.1

\*The potential quantity and grade of the Fog's Block Exploration Target is conceptual in nature, that there has been insufficient exploration to estimate a Mineral Resource and that it is uncertain if further exploration will result in the estimation of a Mineral Resource.