



# Driving Critical Mineral Exploration in South America

**August 2024**

ASX: **SLM** TSXV: **SLMN**

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## Historical data

No Historical data has been published with this current presentation

## Authorisation

This presentation has been approved for issue by, and enquiries regarding this presentation may be directed to Matthew Boyes, Solis Minerals Executive Director. Email: [mboyes@solisminerals.com.au](mailto:mboyes@solisminerals.com.au)

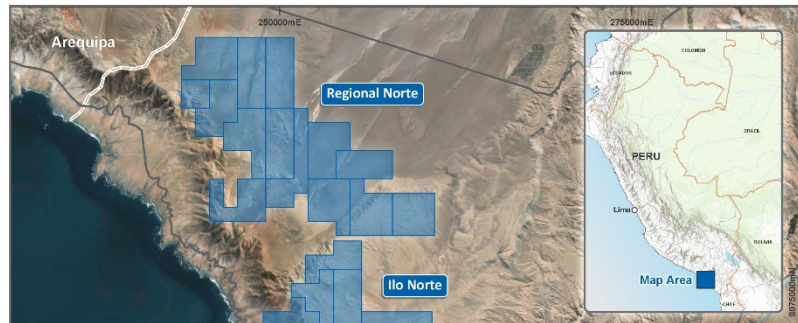
## No New Exploration Results

No new information that is considered material is included in this document. All information relating to exploration results has been previously released. The Company confirms that it is not aware of any new information or data that materially affects the information in the relevant announcement. In relation to the disclosure of visual occurrences of pegmatite and spodumene in samples, the Company cautions that visual estimates of mineral abundance should not be considered a proxy or substitute for laboratory analyses where concentrations or grades are the factor of principal economic interest. Visual estimates also potentially provide no information regarding impurities or deleterious physical properties relevant to valuations.

# Australian exploration in South America



Focused on a **busy exploration program** targeting commodities poised to benefit from the energy transition



Tenements and applications are located across a **highly prospective and emerging Peruvian belt with porphyry copper potential**



Led by a **highly experienced team** with a history of rapid resource growth and generation of strong shareholder value



Peru is standout **mining jurisdiction** and Solis offers exciting exposure to exploration success across a key commodity mix

# Copper Market Outlook

## Copper Price Trend

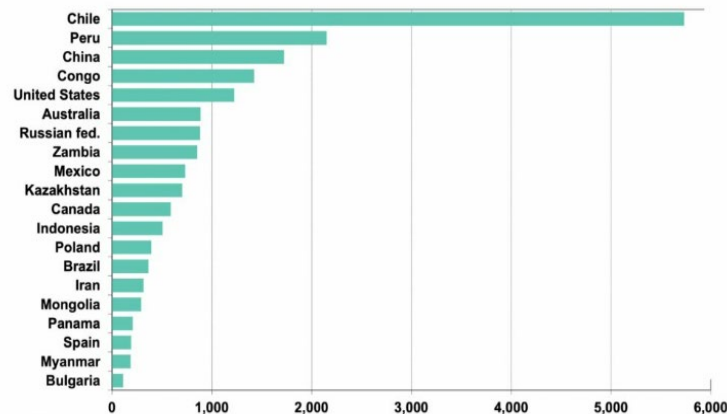


Source: Bloomberg (May 2024)

- The price of Copper is up 35% in 2024, reaching a record high of \$11,000 per tonne in May<sup>1</sup>
- Closure of Canadian miner First Quantum's Cobre Panama mine has contributed to price increases<sup>2</sup>
- The Cobre mine accounted for approximately 1.5% of global production of Copper<sup>2</sup>
- 427MT of copper will be needed by 2050 to meet growing demands<sup>3</sup>

## World Copper Production, by Country 2020

(Thousand metric tonnes copper)



Source: ICSC

1. Jeff Currie: Copper Is The Best Trade Of My Career | OilPrice.com

2. Copper Prices Surging As First Quantum's \$10B Mine in Panama Sits Idle (businessinsider.com)

3. A Power Grid Long Enough to Reach the Sun Is Key to the Climate Fight (BloombergNEF)



# Copper in Peru

**Peru is the second largest copper producer in the world, responsible for 10% of global production<sup>1</sup>**

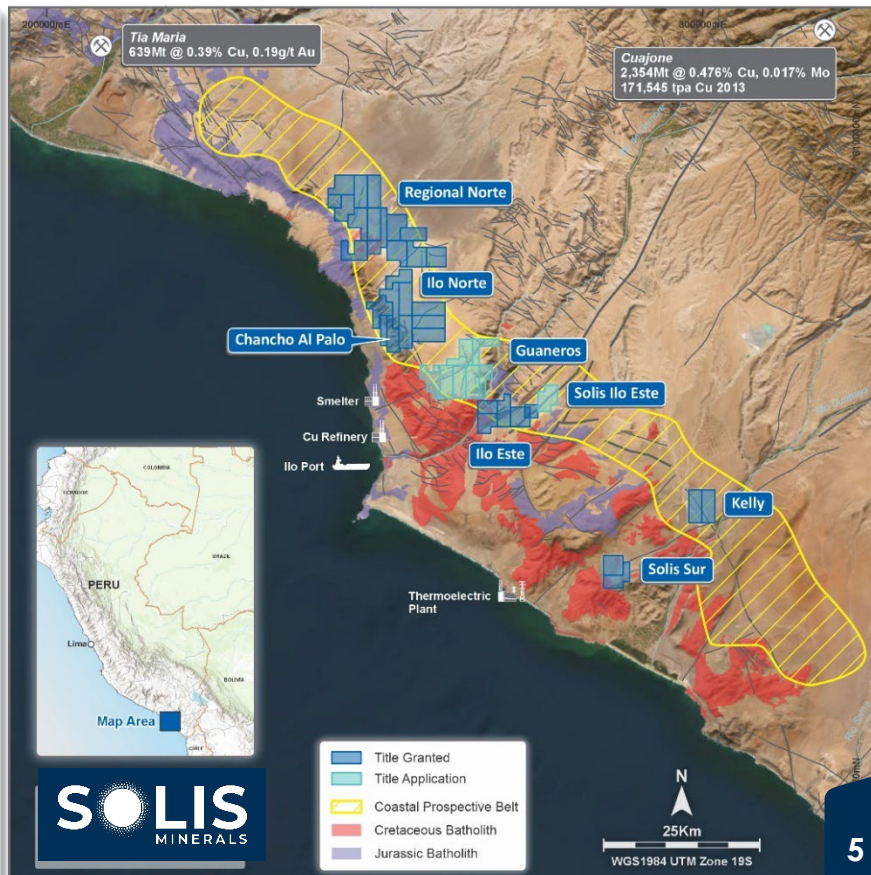
Solis holds one of the largest and most prospective landholdings consisting of 41,400 hectares, primarily situated along the coastal porphyry belt, which is underexplored and provides excellent prospectivity

The eastern margins of the batholiths represent highly prospective areas for porphyry copper occurrences

Positive sentiment from local labour force who have extensive experience of mining in the region.

Established infrastructure in place including sealed roads major export port facilities and third-party smelting capacity

Low altitude predominantly below 1000m RL with excellent low cost access



1. Which countries produce the most copper? (World Economic Forum)

# USGS Coastal Belt Prospectivity in Peru

In 2008, the USGS<sup>1</sup> completed a study on potential Copper endowment for the Coastal Cu porphyry belt

- Coastal belt older than Cenozoic 0-65Ma which hosts giant porphyry deposits such as Toquepala, Cerro Verde or Cuajone
- Coastal belt overlooked by majors as expectations for discovery size are considered to be within the 0.5B to 1Bt range containing 2.5Mt-5Mt of copper per deposit
- Outstanding opportunity for Solis with a dominant land position of underexplored tenements
- Solis has two drill ready projects and a pipeline of assets to develop

1. USGS 2008 study data in conjunction with Geological surveys of Argentina, Chile and Peru

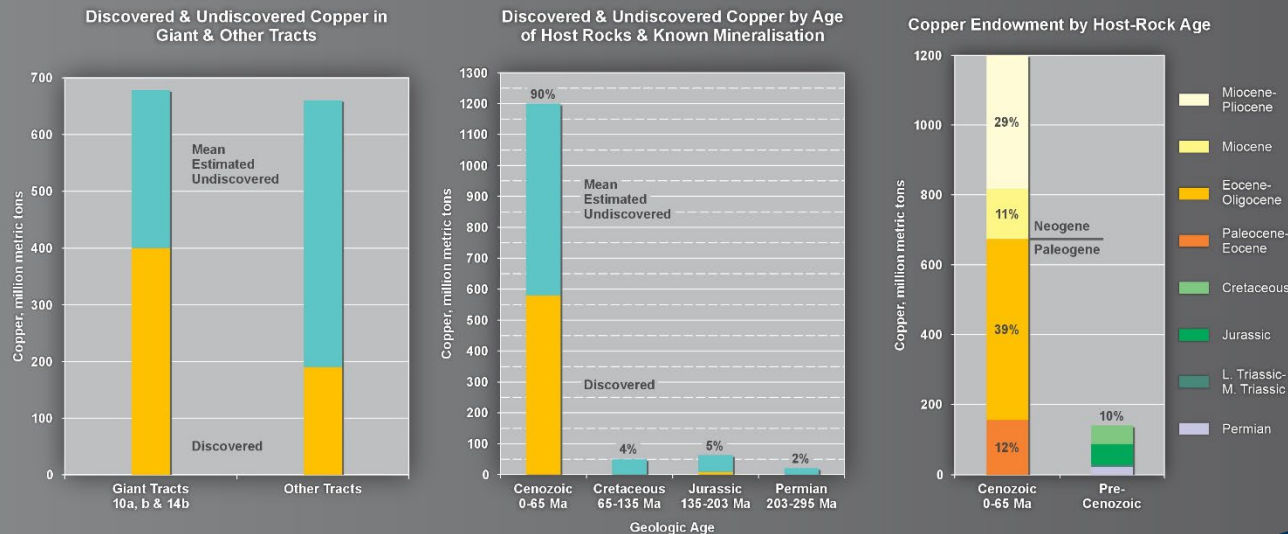


# Older Belt Prospectivity 50 - 100 Mt Cu

**The older porphyry belts, including the Coastal Belt, may contain 50-100Mt of Cu**

- Coastal belt holds more potential for discovery than more developed and explored Porphyry belts
- The Coastal Belt in Peru is less explored due to cover rocks and has more potential for new discoveries
- Cretaceous and Jurassic hosted belts 50Mt to 100Mt copper potential

## Quantitative Mineral Resource Assessment of Copper in Undiscovered Porphyry Copper Deposits in the Andes Mountains of South America<sup>1</sup>



More Potential  
Outside Giant Tracts

Coastal Belt is Both  
Cretaceous & Jurassic

<sup>1</sup> USGS 2008 study data in conjunction with Geological surveys of Argentina, Chile and Peru



# High impact drill programme starts 2024

## Pipeline of Drilling to commence in Q4 2024

### 1. Chanco al Palo

- Geophysical targets
- Coastal belt, Drill Stage
- Drill Q4 2024

### 2. Ilo Este

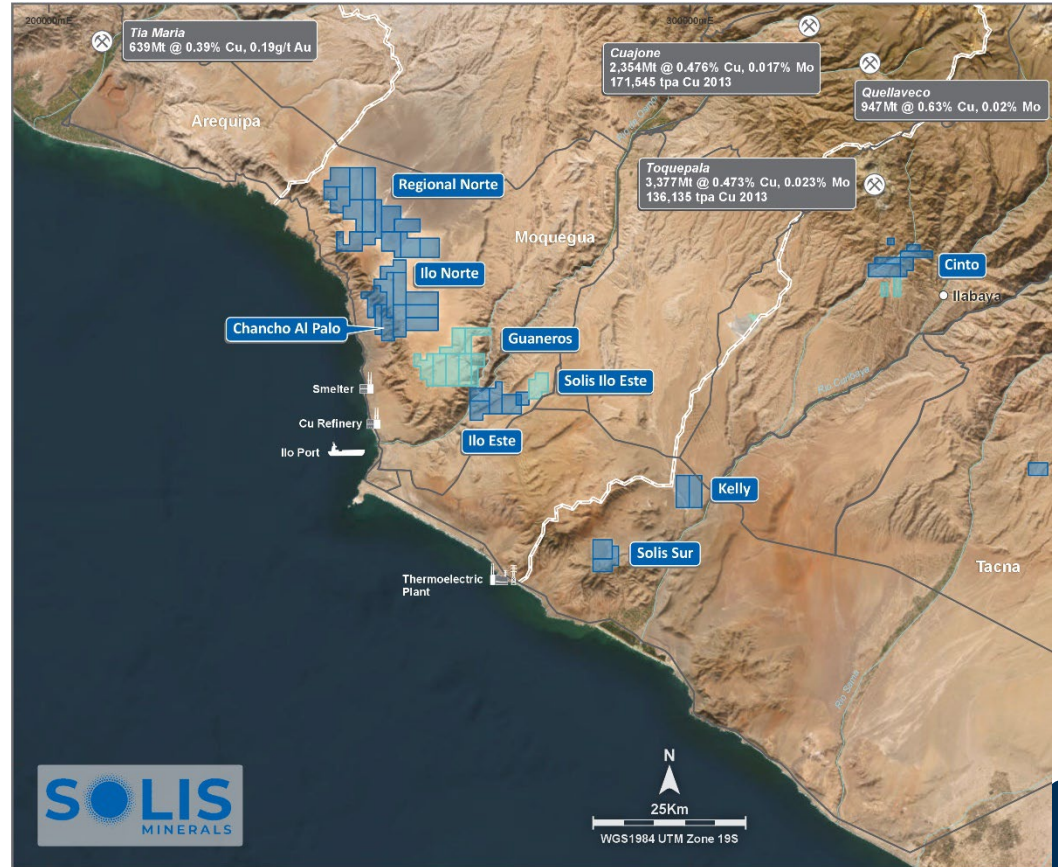
- Outcropping porphyry hosted Copper
- Coastal belt, Drill Stage, excellent access and Infrastructure
- Drill Q1 2025

### 3. Cinto

- Great address situated next door to Toquepala, main porphyry belt
- Surface mineralisation confirmed, Agreement with community signed
- Geophysics August 2024
- Drill H1 2025

### 4. Guaneros

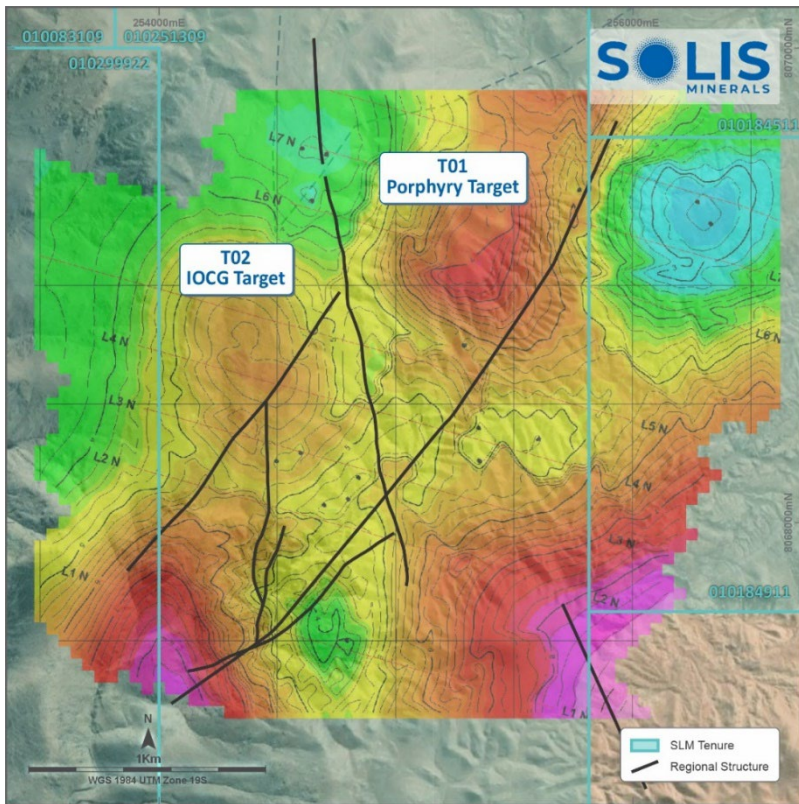
- Located between Ilo Este and Chanco
- Never explored, Geophysics underway
- Drill H2 2025





# Chanco al Palo (Ilo Norte) - Peru

## Drill Ready



**Consists of four contiguous concessions covering 3,300 ha located in southern Peru's costal copper belt**

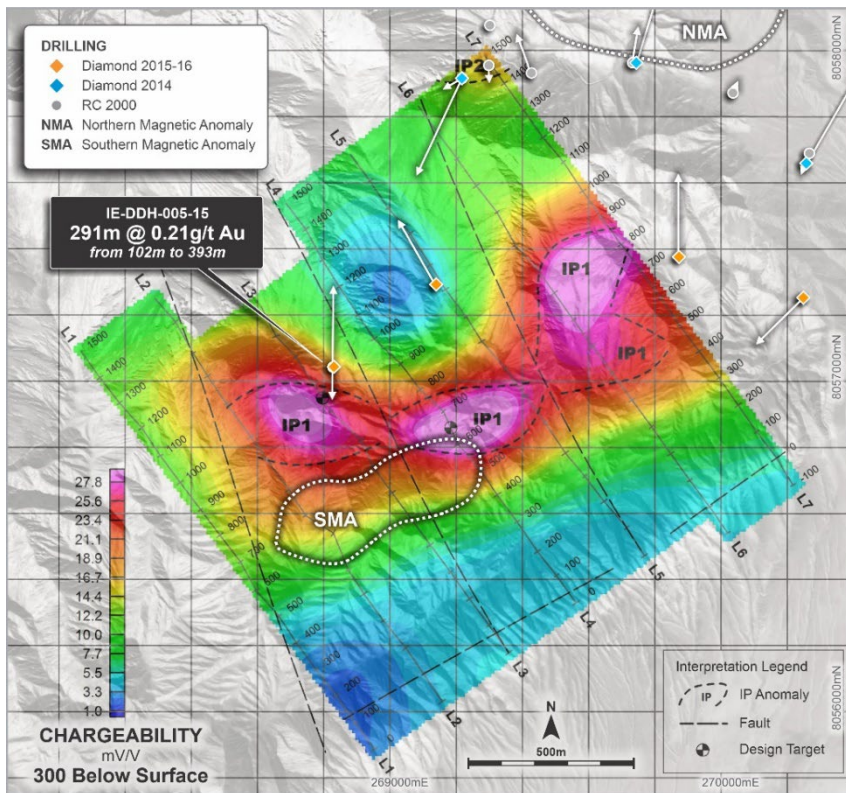
- Significant geophysical targets identified following IP results with surface exposure confirming copper mineralisation
- Two main potential mineralisation styles evident:
  - Western area is prospective for IOCG (Iron oxide copper gold) style mineralisation
  - North eastern section demonstrates porphyry potential

## Next Steps

- Drill targets identified and initial drill programme will commence shortly after the granting of EIA and drill permits
- Access points for the drill programme identified

# Ilo Este - Peru

## Drill Ready



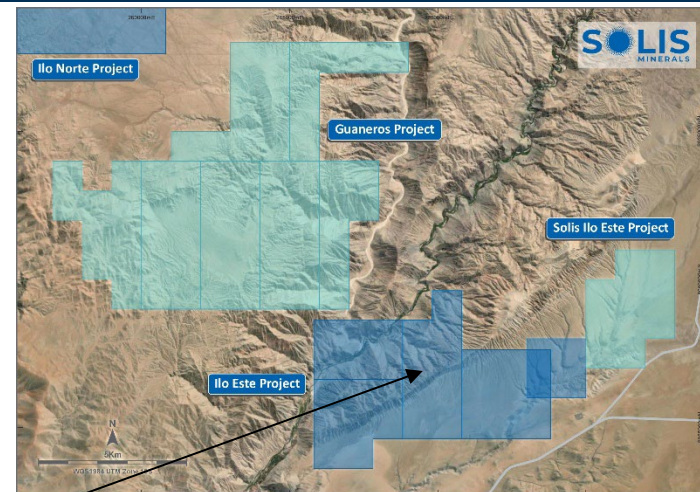
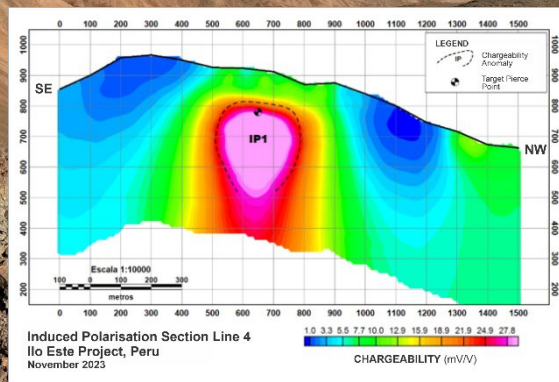
### A large copper porphyry system with coincident gold located within southern Peru's costal copper belt

- Mineralisation has been mapped at surface coincident with major IP anomalies
- Magnetic and IP surveys have identified priority drill targets
- Targets close to surface within 250m and not under transported cover
- Drill permitting to test these targets is underway
- Environmental monitoring programmes are underway
- Drill sites easily accessible with extensive access already in place and close to major infrastructure including power, ports and road networks



# Ilo Este-Drill Ready

- Outcropping porphyry system at Ilo Este with visible iron oxidation at surface coincident with IP and Mag anomalies

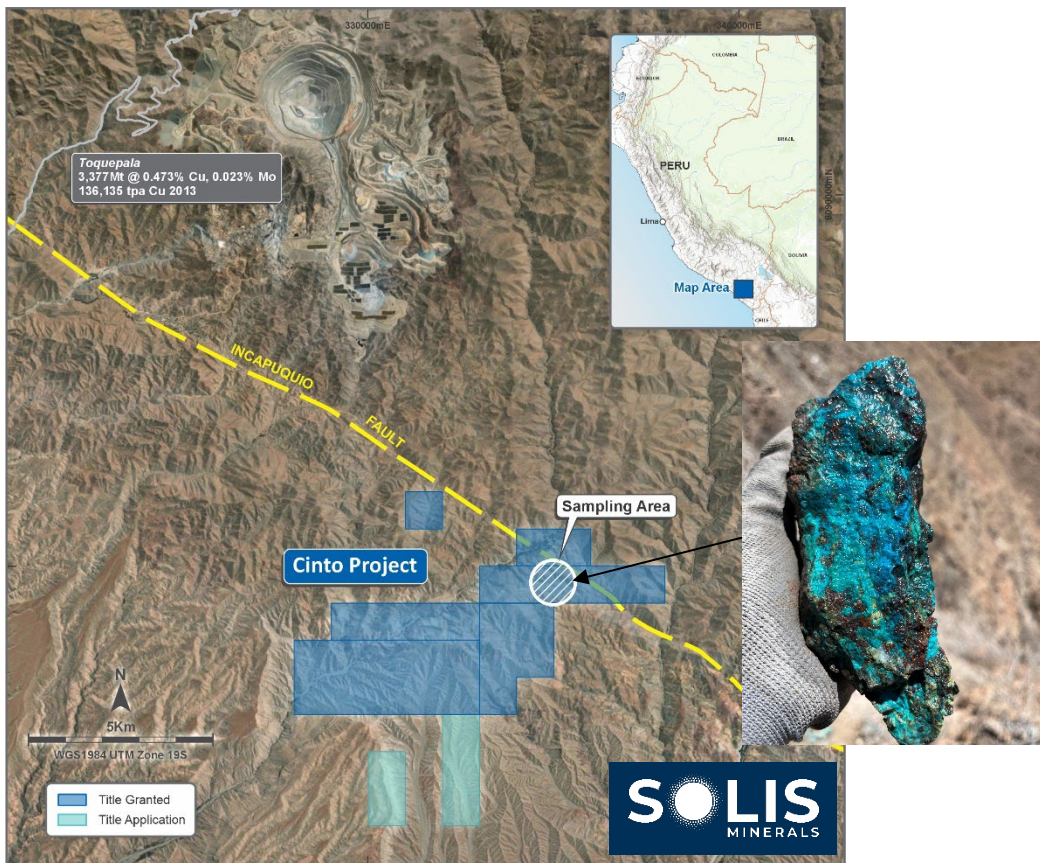


- Existing drilling not drilled into major coincident IP and Mag anomalies
- In house geophysical target generation delineated high intensity IP anomaly 700-800m in length commencing below oxidation level at 100m below surface<sup>1</sup>
- Ready to drill first programme

<sup>1</sup> See previous slide 10 for L4 IP line position



# Cinto Copper in Outcrop- Peru



Inset Photo; Surface grab sample 17142 with visible copper oxides and silicification returned 7.14% Cu (See ASX Release dated 9<sup>th</sup> July 2024 )

## Prelim EIA Stage with Geophysics

**Located 15km SE of the major Toquepala Cu porphyry deposit in northern Tacna (3.38Bt@ .47% Cu)**

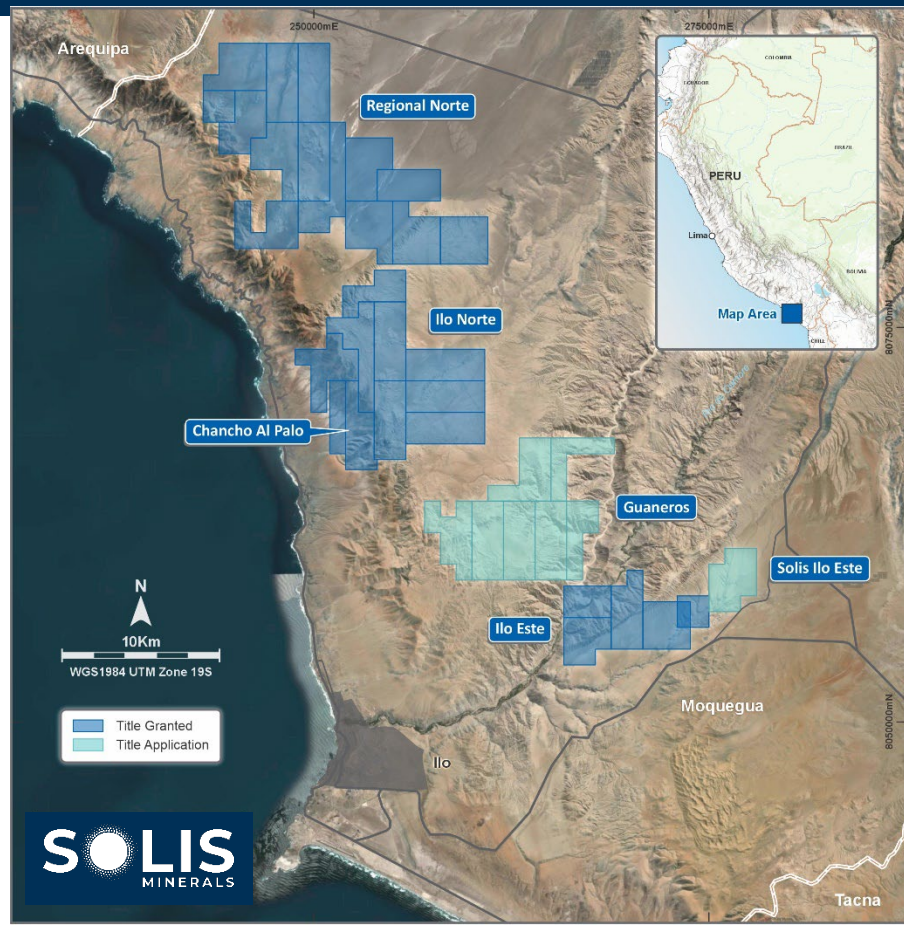
- Access Agreement with local community signed with excellent relationship
- Located in main porphyry belt in Peru, close to major discoveries and operating mines
- Surface expression of copper in large zone of Structural deformation seen in outcrop with historical workings with assays up to 7% Cu<sup>1</sup>
- Local communities significantly benefit from Toquepala development and production and are supportive of the investment

## Next Steps

- Drone Magnetic survey contracted and commencing in late August, IP to follow up and then EIA submission for drill permitting

<sup>1</sup> See ASX Release dated 9<sup>th</sup> July 2024

# Newly Acquired Guaneros Project Peru

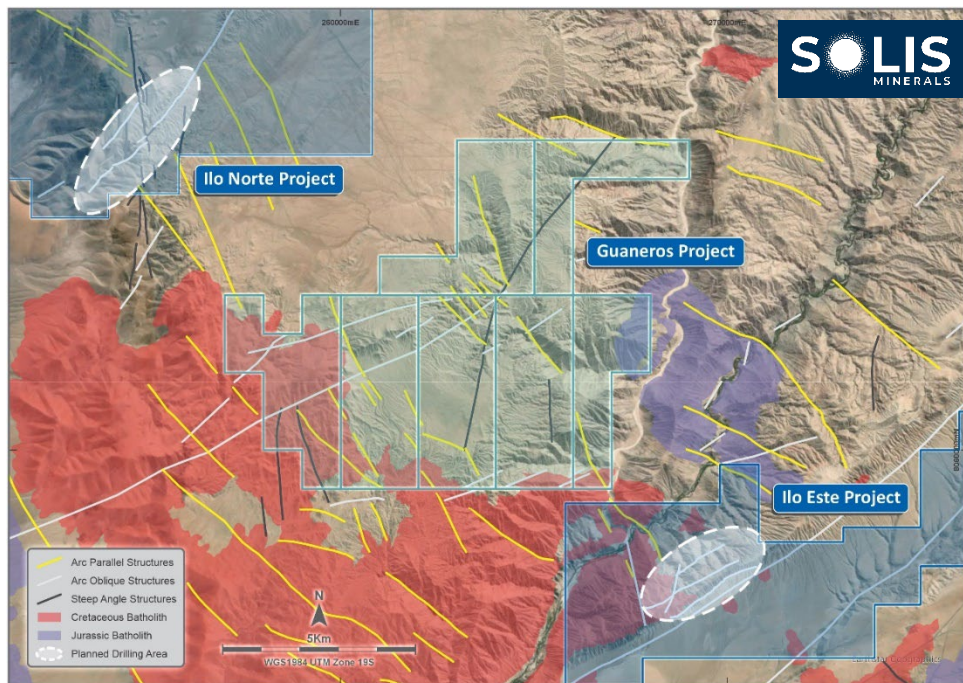


- **New applications cover 6,400 hectares of highly prospective copper ground** across a coastal belt located directly between Ilo Norte and Ilo Este
- Areas were previously held by Anaconda Copper and ground visits completed indicate the area has received limited exploration
- Solis has identified alteration and **copper mineralisation in outcrops 8km north-west along strike, in a similar geological setting to known porphyry-style mineralisation at Ilo Este**
- Mapping crews are being mobilised to site to identify areas of highest prospectivity
- Low-cost drone magnetic studies commencing first week in August with team then moving onto Cinto in final week.
- Initial drone magnetic data will form the basis for future targeting and submission of EIA permit
- Guaneros form part of a substantial pipeline of assets including, Cinto, Ilo Este and Ilo Norte



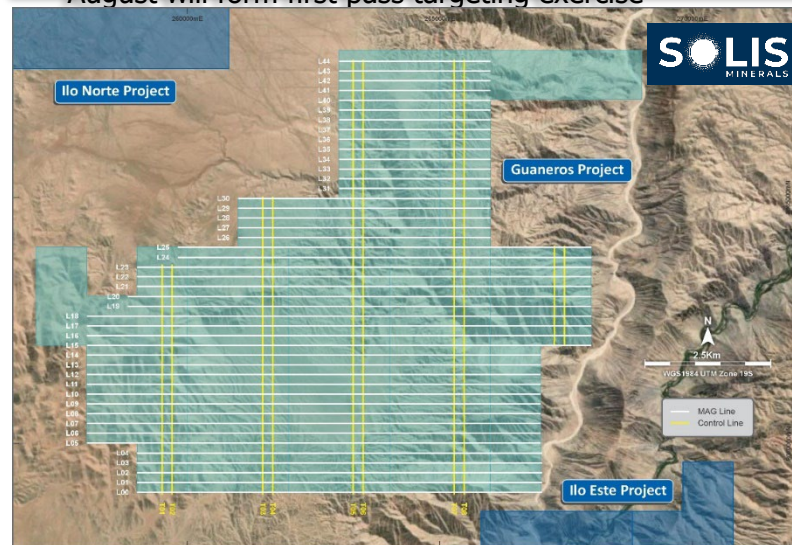
# Guaneros- Peru

## Drone Mag Survey commencing Week 1 August



**Potentially a large copper porphyry system, extension to the north east of existing Ilo Este known mineralisation**

- No known exploration carried out, perfectly located with large cross fault cutting through tenements and minimal sedimentary cover and along strike from Chanco al Palo and Ilo Este mineralisation
- Extensive Drone Mag survey commencing first week in August will form first pass targeting exercise





# Company Overview

87.8M

Shares on issue

103.4M

Shares fully diluted

15.6M

Options/Warrants  
outstanding

51%

Top 20  
Shareholders

\$10.6M

Market Cap

\$4.4M

Cash on hand  
March Qtr

## Board

**Christopher Gale**

NON-EXECUTIVE CHAIRMAN

**Kevin Wilson**

NON-EXECUTIVE DIRECTOR

**Chafika Eddine**

NON-EXECUTIVE DIRECTOR

**Matthew Boyes**

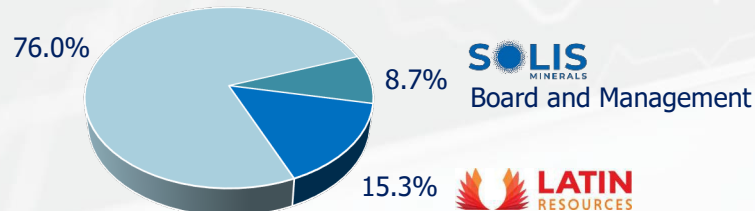
EXECUTIVE DIRECTOR

**Michael Parker**

NON-EXECUTIVE DIRECTOR



## Shareholder Registry



# Why invest in Solis?

- Solis has one of the largest & most prospective copper tenement packages in Peru, the world's second largest copper producer



Large, highly prospective copper projects in South America



Near term value catalysts with drilling in Q4



Copper is one of the best performing commodities in 2024



Experienced management team & Board driving success



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**Solis Minerals Ltd.**

TSX-V: SLMN

ASX: SLM

OTCQB:SLMFF

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