



Company Update – August 2022

High-impact Nickel, Copper, PGE and Gold Exploration

Cosmos Exploration Limited

ASX:C1X

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Competent Person Statement

This report's information related to Exploration Results is based on information and data compiled or reviewed by Mr Kristian Hendricksen. Mr Hendricksen is an employee and shareholder of Cosmos Exploration Limited (Cosmos) and is a Member of the Australasian Institute of Mining and Metallurgy (AusIMM).

Mr Hendricksen has sufficient experience relevant to the style of mineralisation under consideration and to the activities undertaken to qualify as a Competent Person as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Accordingly, Mr Hendricksen consents to the inclusion of the matters based on the information compiled by him, in the form and context it appears.

Information on historical results outlined in this announcement is contained in the Independent Geologist Report within Cosmos' Prospectus dated 20 September 2021 and current exploration results are contained in ASX market announcements reported in accordance with the 2012 edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves" (2012 JORC Code). Further details (including 2012 JORC Code reporting tables where applicable) of exploration results referred to in this Quarterly Activities Report can be found in the following announcements lodged on the ASX:

4 Aug 2022 - Multiple high-priority, late-time bedrock VTEM conductors identified - Byro East

11 Jul 2022 – VTEM Commences Over Hugh Priority- Anomalies – Byro East

26 Apr 2022 - Airborne Magnetic and Radiometric commences at Byro East

4 Apr 2022 – Strong Coincident Ni-Cu-PGE Anomaly identified at Dottyback

The Company confirms that it is not aware of any new information or data that materially affects the information in the relevant ASX releases. The form and context of the announcement have not materially changed. This announcement has been authorised for release by the Board of Cosmos Exploration Ltd.

The Projects

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BYRO EAST PROJECT

- 100%-owned by Cosmos
- Similar geological setting to **Julimar (Gonville)** and **Nova-Bollinger** deposits
- Systematic exploration since listing in December 2021
- Multiple high-priority, late-time bedrock VTEM conductors identified
- Drilling to commence in October 2022

ORANGE EAST PROJECT

- 75%-owned by Cosmos
- Advanced exploration project located on the boundary between the Molong Arc and Hill End Trough within the Lachlan Fold Belt, a major mineral province
- Similar geological setting and along strike from the **multi-million ounce McPhillamys Gold Deposit**
- Prospective for large scale **gold** and **copper** systems
- Strong copper-gold soil geochemical anomalies identified



Corporate Overview

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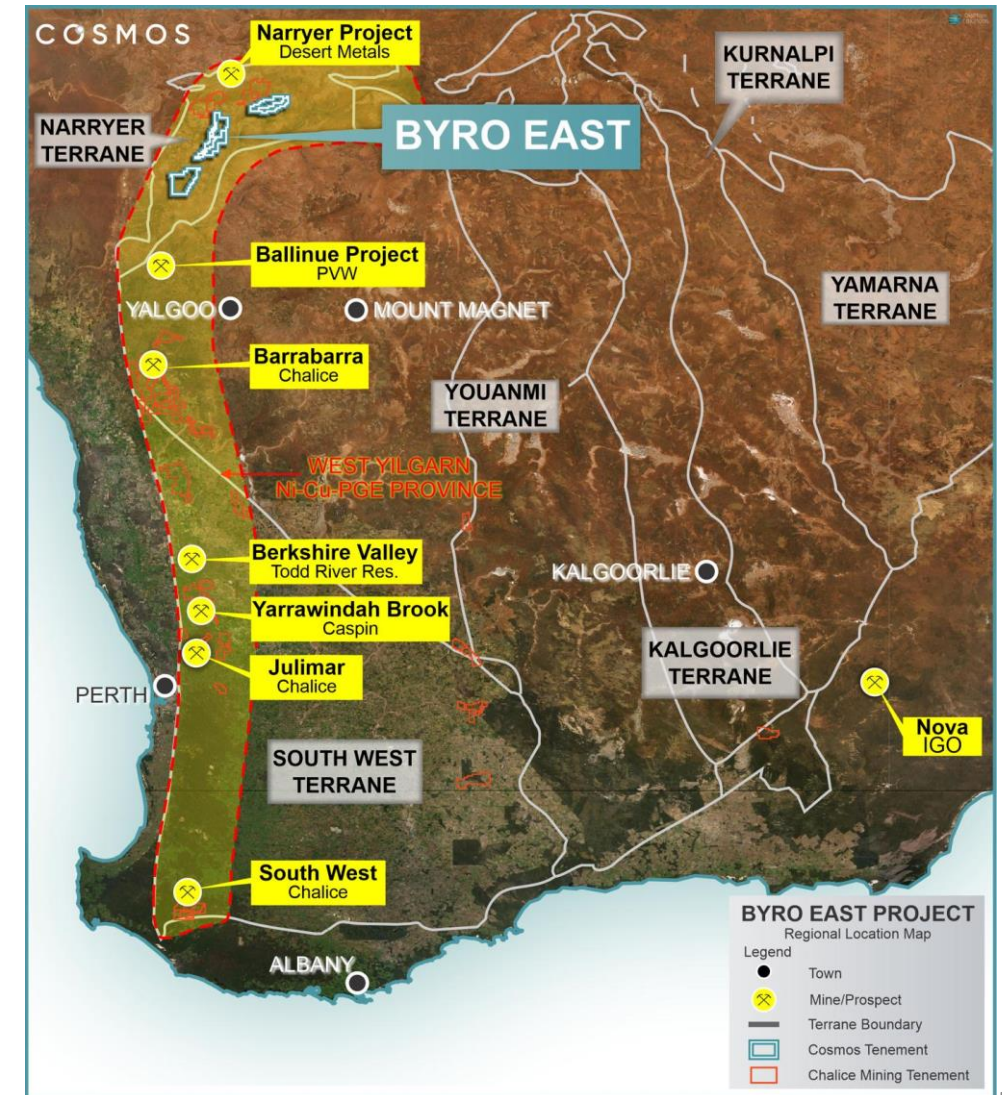
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CAPITAL STRUCTURE

- Shares on Issue – 35m (500 Shareholders)
- Cash - \$3.3m (as at 30 June 2022)
- Major Shareholders – RareX Limited (10m Shares)

BOARD AND MANAGEMENT

- **Executive Chairman – Jeremy Robinson** (current managing director of RareX Limited (ASX: REE) and has previous experience as a non-executive director and company secretary for a number of ASX listed resource companies).
- **Exploration Manager – Kristian Hendricksen** (a geologist with over 14 years of industry experience, having held mining and senior exploration geological roles with listed and unlisted companies).
- **Non-Executive Director – Mathew Freedman** (has 14 years of experience in the mining and related services sector and is currently Executive Director of Dynamic Group Holdings Limited (ASX: DDB). Mr Freedman has previously spent time working for Rio Tinto Limited (ASX: RIO), Worley Limited (ASX: WOR) and Emeco Holdings Limited (ASX: EHL). Mr Freedman holds a Bachelor of Business Administration).
- **Non-Executive Director and Company Secretary – James Bahen** (director of SmallCap Corporate and chartered secretary. He is currently a non-executive director and company secretary to a number of ASX-listed companies and has a broad range of corporate governance and capital markets experience, having been involved with public company listings, mergers and acquisitions transactions and capital raisings for ASX-listed companies across the resource industry).



Byro East Project

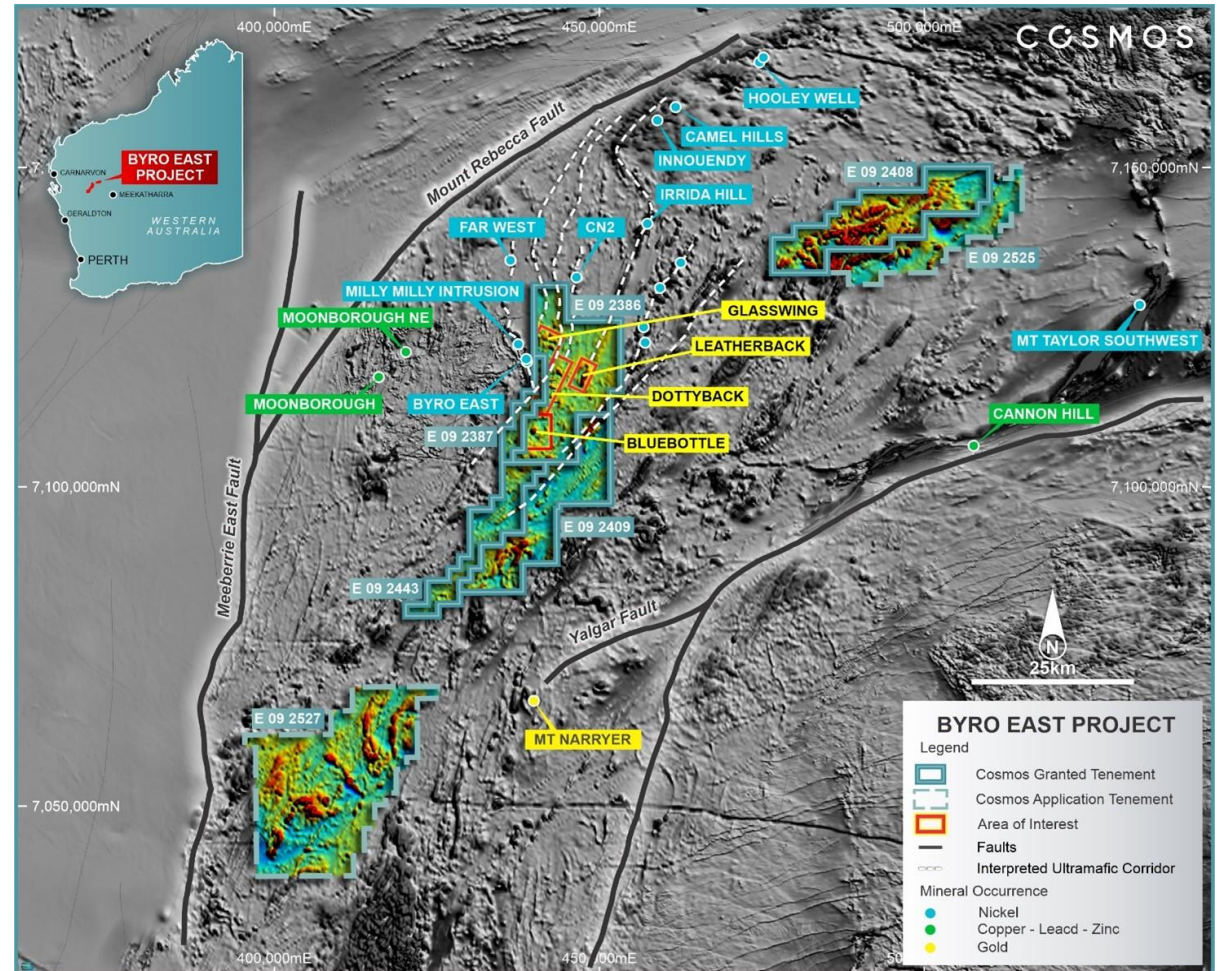
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Target orthomagmatic sulphides through the use of ground gravity, high powered electromagnetic technologies and surface geochemistry to generate a pipeline of targets

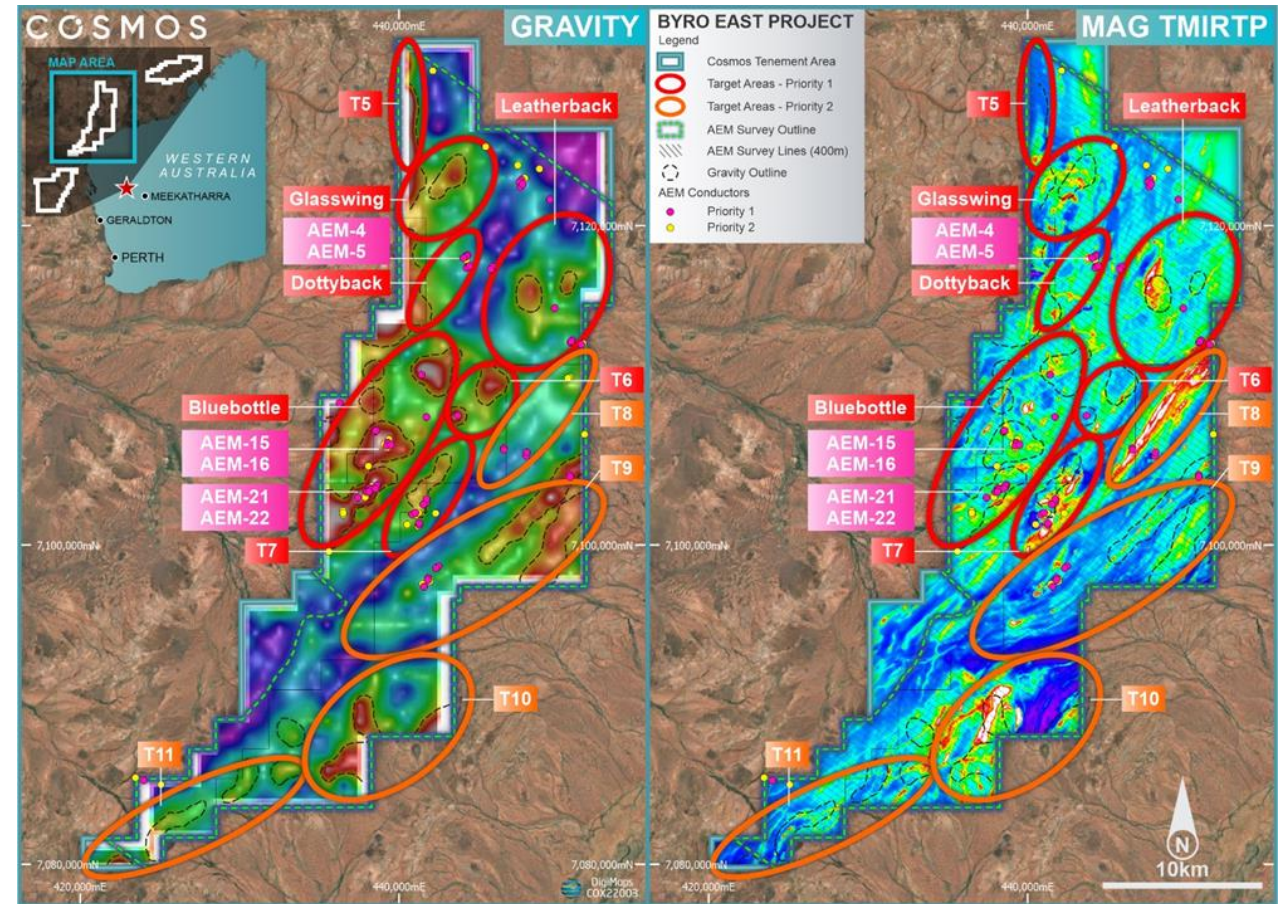
Significant systematic exploration undertaken to date includes defining high priority targets for drill testing:

- Over 5241 multi-element soil samples
- Ground Gravity survey with over 662 stations acquired
- Airborne Magnetic and Radiometric Survey of 8427 line kilometres
- Recently completed VTEM survey of 2395 line kilometres



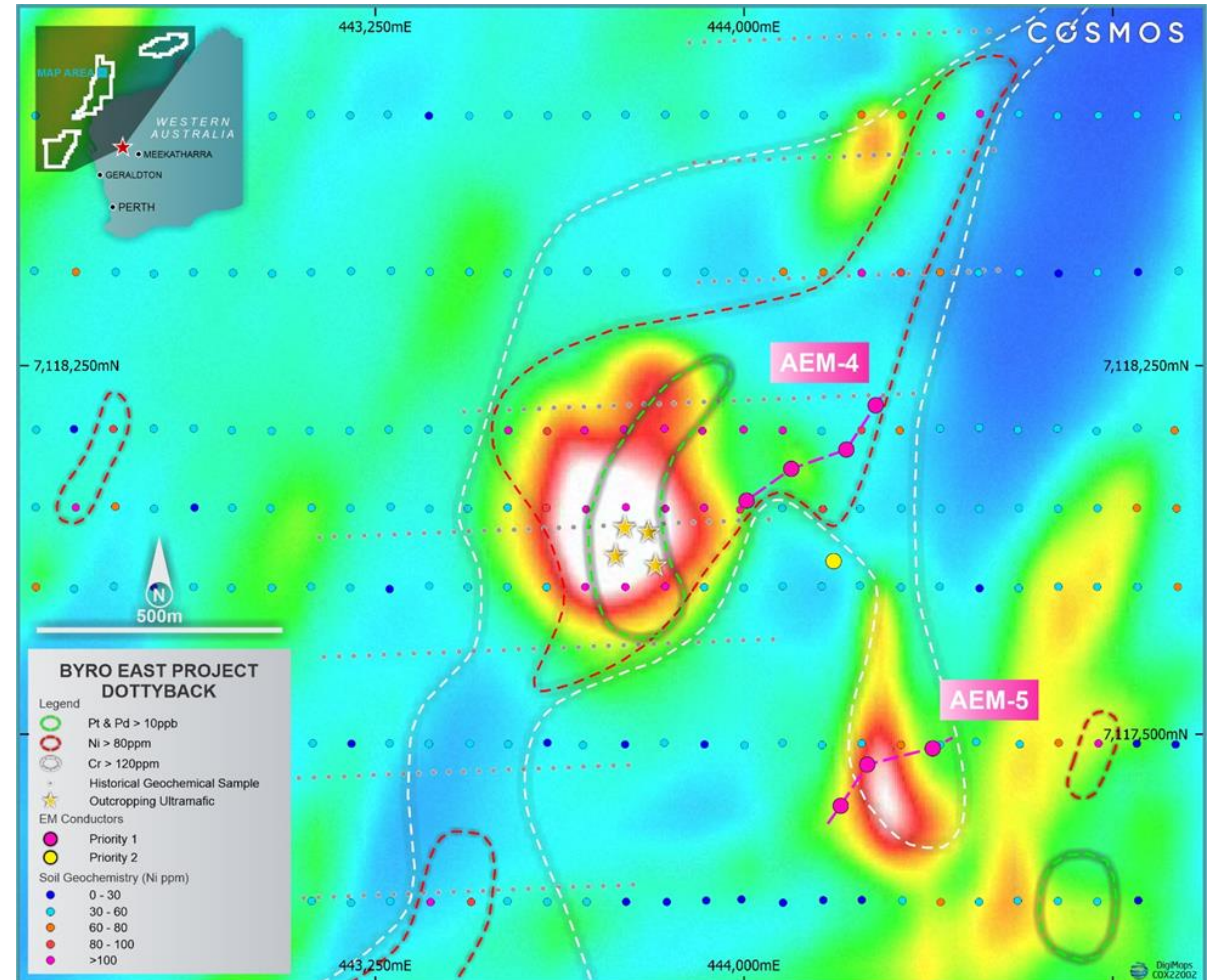
Byro East Project – VTEM Survey

- Preliminary data has been received from recently completed VTEM Airborne Electromagnetic survey (AEM).
- A total of 31 mid-to-late-time, high-priority bedrock EM conductors were identified.
- The survey utilised the UTS Geophysics VTEM MAX™ time-domain AEM system, flying a total of 2,395-line-km and covering 602km² of gneissic-mafic-ultramafic terrane prospective for magmatic nickel-copper-PGE sulphide-related mineralisation.



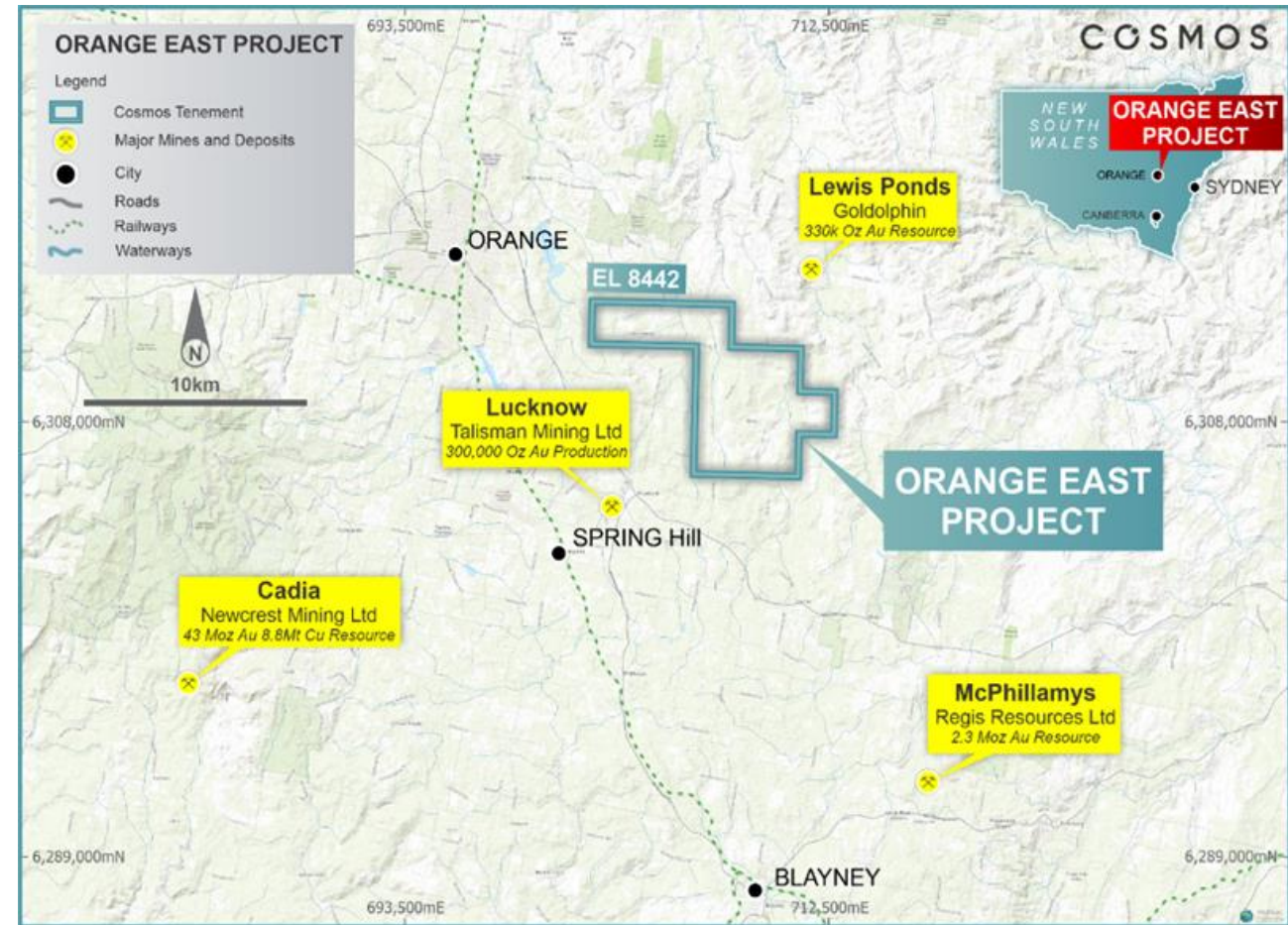
Byro East Project – Dottyback Target

- Several Priority-1 AEM anomalies coincident with pipe-like gravity highs, magnetic highs and Ni-Cr-Cu mafic litho-geochemistry anomalies in soils have been identified and will be targeted for immediate follow-up field work.
- Ground field checks and preliminary EM source plate modelling is underway.
- Final VTEM survey data results to be announced in four weeks once final levelled data are received from UTS.
- Drilling of AEM targets anticipated to commence in October, pending final plate modelling, Heritage clearances and statutory approvals.



Orange East Project

- Has the potential to host an array of mineralisation styles which include:
 - Orogenic McPhillamys gold
 - Porphyry intrusion related copper-gold
 - Volcanic hosted massive sulphide (VHMS)
- The exploration strategy will initially focus on orogenic, McPhillamys style gold
- Apply an incremental drilling approach to follow up numerous open surface geochemical trends and drilling
- Drill test IP anomalies possibly related to disseminated pyrite-gold mineralisation
- Detailed magnetic & gravity survey over prospects to improve structural understanding and gravity will also allow to test for porphyry stocks at depth

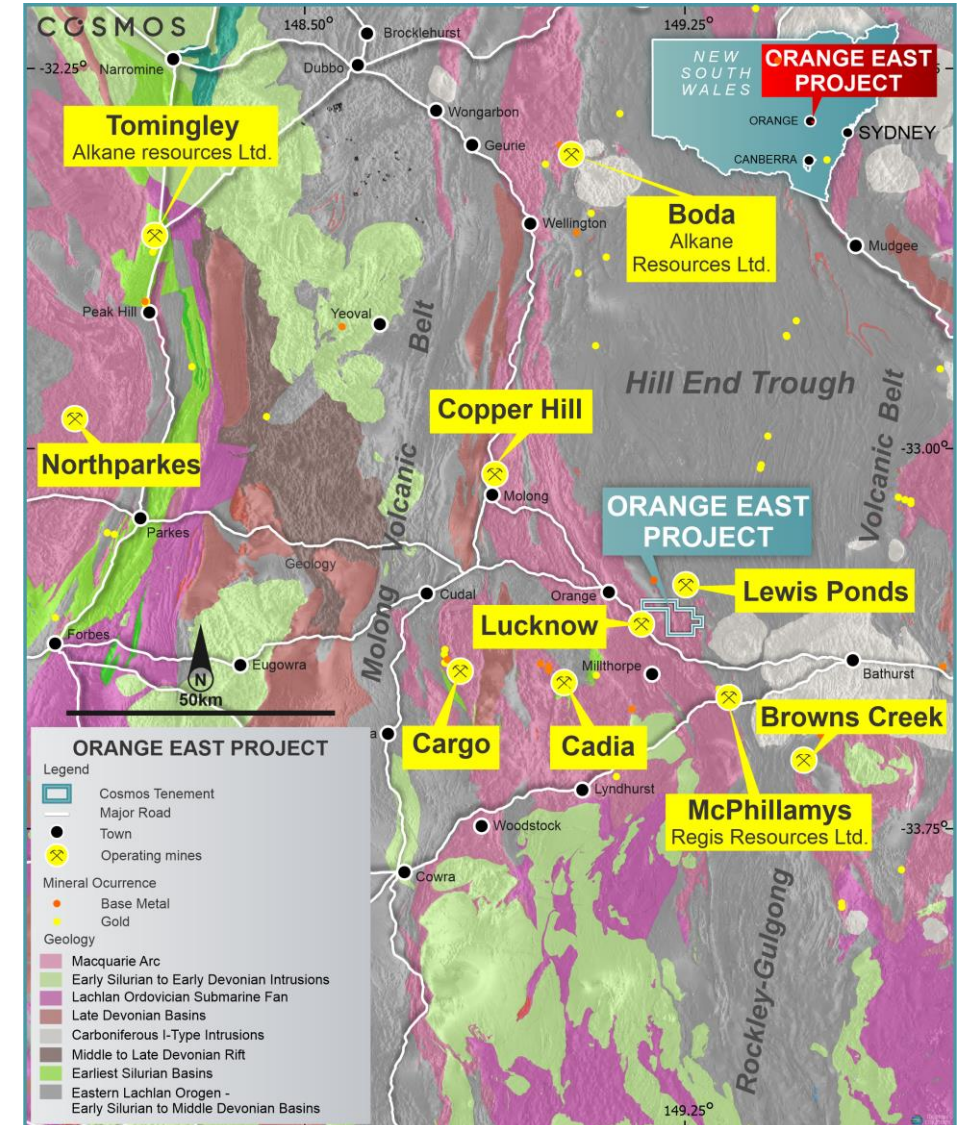


Orange East Project

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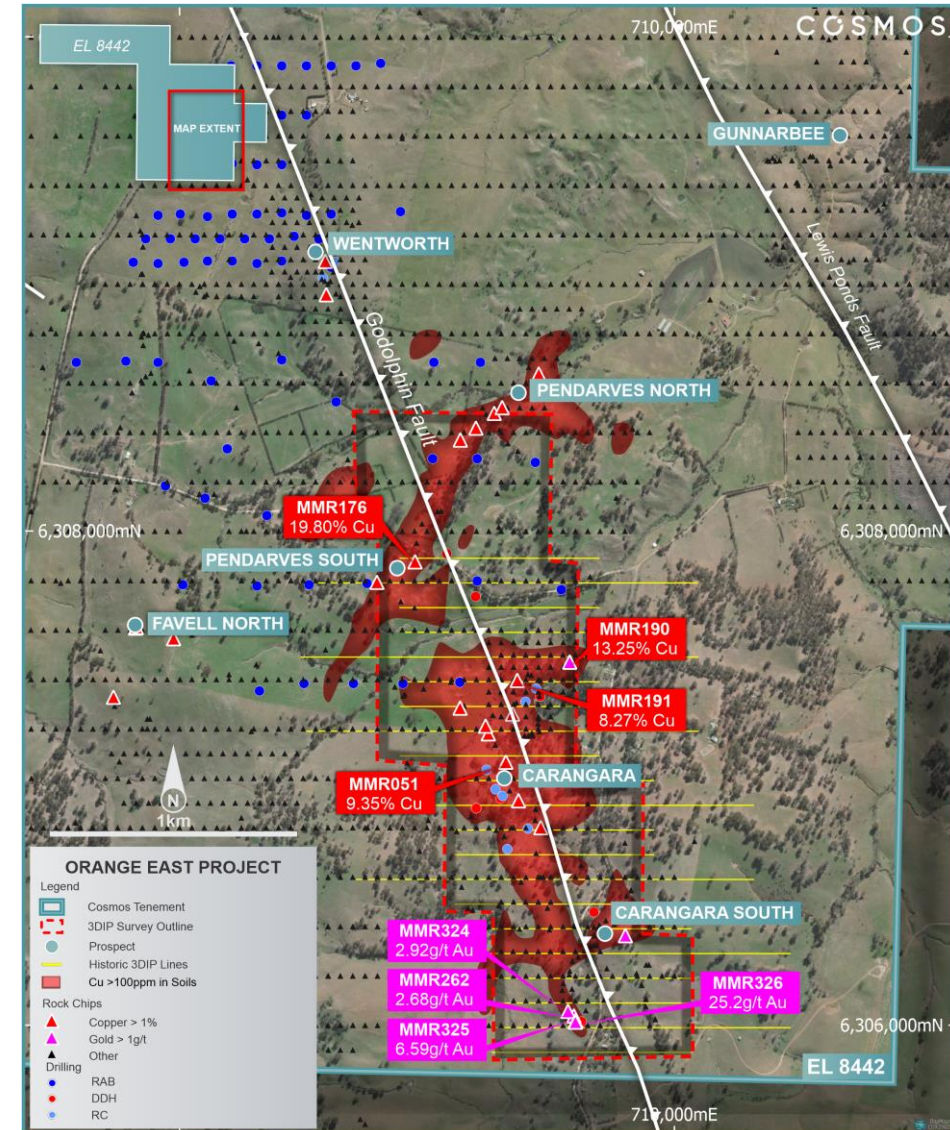
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- The Orange East Project is located 15km along strike from the McPhillamys Gold Mine (Probable Reserve of 2.02Moz) owned by Regis Resources Limited.
- Advanced exploration project located on the boundary between the Molong Arc and Hill End Trough within the Lachlan Fold Belt, a major mineral province.
- The regionally significant Godolphin-Copperhanna Thrust Fault Zone (GCFZ) traverses through the centre of the tenement and host dozens of historical copper-gold-silver workings, including the Carangara mine, which produced 760 t of oxide copper ore.



Orange East Project

- The project has experienced several phases of exploration including, rock chip, auger & soil sampling, and limited drilling in 2009-2010
- Many strong surface geochemical and chargeable IP anomalies identified through past exploration remain untested
- Have reprocessed all historical data and currently negotiating access with landholders
- Looking to explore and drill test targets this summer



Why Cosmos?

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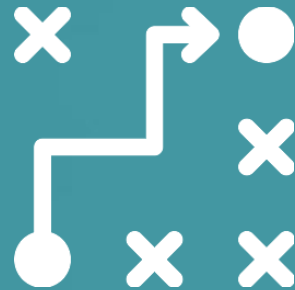
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Leveraged to
exploration success



High impact exploration program
with a compelling valuation

Exposure to multi-
commodity strategy



Rising global demand for battery metals
including nickel, copper and PGEs

Proven Team



Highly skilled management team
with a track-record of success