

HANCOCK SUBSIDIARY HANRINE TO SPEND UP TO US\$120M TO EARN 80% INTEREST IN LINDEROS COPPER PROJECT

Highlights

- Titan and Hancock Prospecting Pty Ltd (Hancock) wholly owned subsidiary Hanrine Ecuadorian Exploration and Mining S.A (Hanrine), have agreed to terms for Hanrine to acquire up to an 80% ownership interest in the Linderos Copper Project.
- The proposed earn-in and joint venture terms comprise the following key milestones:
 - US\$2 million payment to Titan to earn initial 5%.
 - 10,000m of drilling, or additional expenditure of US\$8 million, whichever occurs first, to earn an additional 25% (total earn in 30%).
 - 15,000m of drilling, or additional expenditure of US\$12 million, whichever occurs first to earn an additional 21% (total earn in 51%). Once Hanrine have earned 51%, they will pay Titan an additional US\$1 million.
 - At the Decision to Mine, or at total expenditure of US\$120 million, whichever occurs first, Hanrine will earn an additional 29% (total earn in 80%).
- Underscores Titan's confidence in Linderos having the potential to be a world class copper project.
- Investor webinar to be held on Friday 19 April 2024 at 11:30am AEST / 9:30am AWST

Titan Minerals Limited (ASX: TTM) (**Titan** or the **Company**) is pleased to announce that it has executed a letter of offer to enter a joint venture partnership (**Term Sheet**) from Hanrine Ecuadorian Exploration and Mining S.A. (**Hanrine**), a wholly owned subsidiary of Hancock Prospecting Pty Ltd, (**Hancock**) for Hanrine to acquire up to an 80% ownership interest in the Linderos Copper Project in Ecuador (**Proposed Transaction**).

The Proposed Transaction is subject to the execution of formal binding documents and the completion of Hanrine's due diligence investigations (target due diligence completion by 18th April 2024).

Commenting on the proposed earn-in and joint venture Titan's CEO, Melanie Leighton, said:

"This Joint Venture (**JV**) deal is an excellent outcome for Titan shareholders, with Hanrine set to spend up to US\$120 million (AU\$180 million) to earn 80% in the Linderos Project.

"We are very pleased to be partnering with Hancock's Ecuadorian subsidiary company, Hanrine, who has both the balance sheet and capability to fully explore and develop the Linderos Project. The agreement represents a fantastic endorsement of our belief in the Linderos Project's potential to host a large-scale copper porphyry system.

"Hanrine clearly see the opportunity for large-scale copper, both at the Linderos Copper Project, and in Ecuador, an emerging mining jurisdiction, having made considerable investment into exploration in Ecuador over recent years."

Linderos Copper Project Highlights

The Linderos Copper Project (**Linderos**) is comprised of four contiguous mineral concessions totalling an area of 143km² in southern Ecuador. All concessions are 100% owned by Titan Minerals and are fully permitted for exploration and small-scale mining.

Linderos is an early-stage exploration project, with surface geochemistry and geophysics highlighting the presence of multiple porphyry centres across project, with evidence for shallow epithermal gold systems also observed in mapping and geochemistry. Most exploration at Linderos to date has been completed at the Copper Ridge Porphyry (**Copper Ridge**) and Meseta Gold (**Meseta**) prospects.

The Copper Ridge Prospect features surface copper-molybdenum anomalism highlighted by surface geochemistry. Mineralisation is hosted within a diorite porphyry, with vein hosted and disseminated chalcopyrite-pyrite-pyrrhotite-molybdenite, and secondary biotite plus green-grey sericite and pervasive quartz-alkali feldspar defining an early to transitional potassic alteration.

Titan completed a maiden campaign of eight diamond drill holes for 3,700 metres of drilling in 2022 at Copper Ridge, successfully confirming broad zones of copper porphyry mineralisation from shallow depths. Importantly, six out of eight diamond drillholes ended in mineralisation, highlighting strong potential for both lateral and depth extensions at Copper Ridge.

Drilling intersections include 308m @ 0.4% copper equivalent (**Cu Eq**) from 54m, including 76m @ 0.5% Cu Eq from 132m; and 91m @ 0.3% Cu Eq from 484m downhole in CRDD22-003.¹ Evidence that Copper Ridge has potential to host high grade porphyry mineralisation is supported by intersections including 76m @ 0.5% Cu Eq from 132m in CRDD22-003 and 22m @ 0.5% Cu Eq from 524m in CRDD22-006².

An Induced Polarisation (**IP**) geophysical survey was completed over the Copper Ridge prospect in 2023, with 3D IP inversion modelling unveiling a much larger porphyry system than previously recognised in surface mapping, geochemistry, and drilling at the prospect³. The 3D IP inversion model has revealed that the Copper Ridge Porphyry system manifests beneath the Meseta Gold prospect, confirming the potential for Copper Ridge to host a much larger porphyry system.

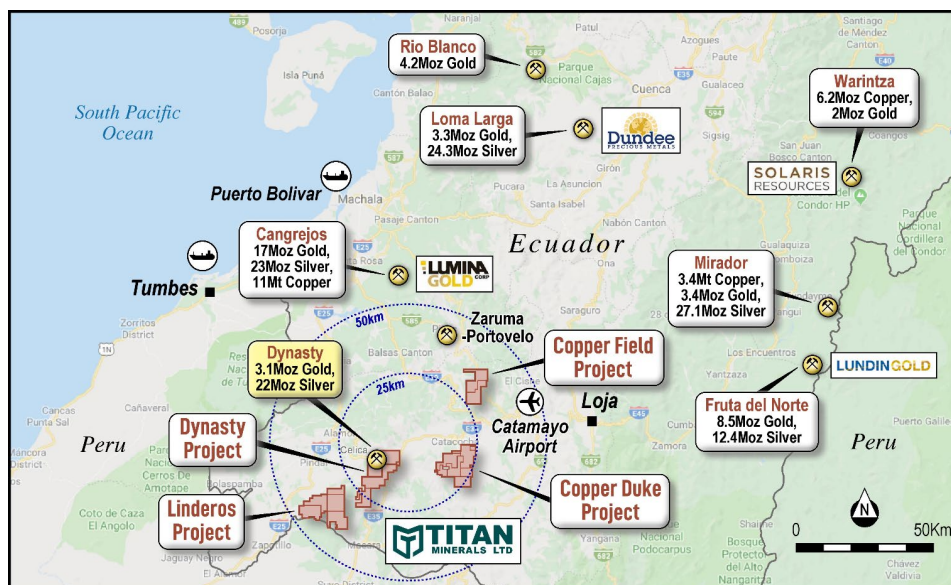


Figure 1. Titan Minerals southern Ecuador Projects, neighbouring projects, and surrounding infrastructure

¹ Refer to ASX release dated 20th December 2022

² Refer to ASX release dated 6th February 2023

³ Refer to ASX release dated 16th October 2023

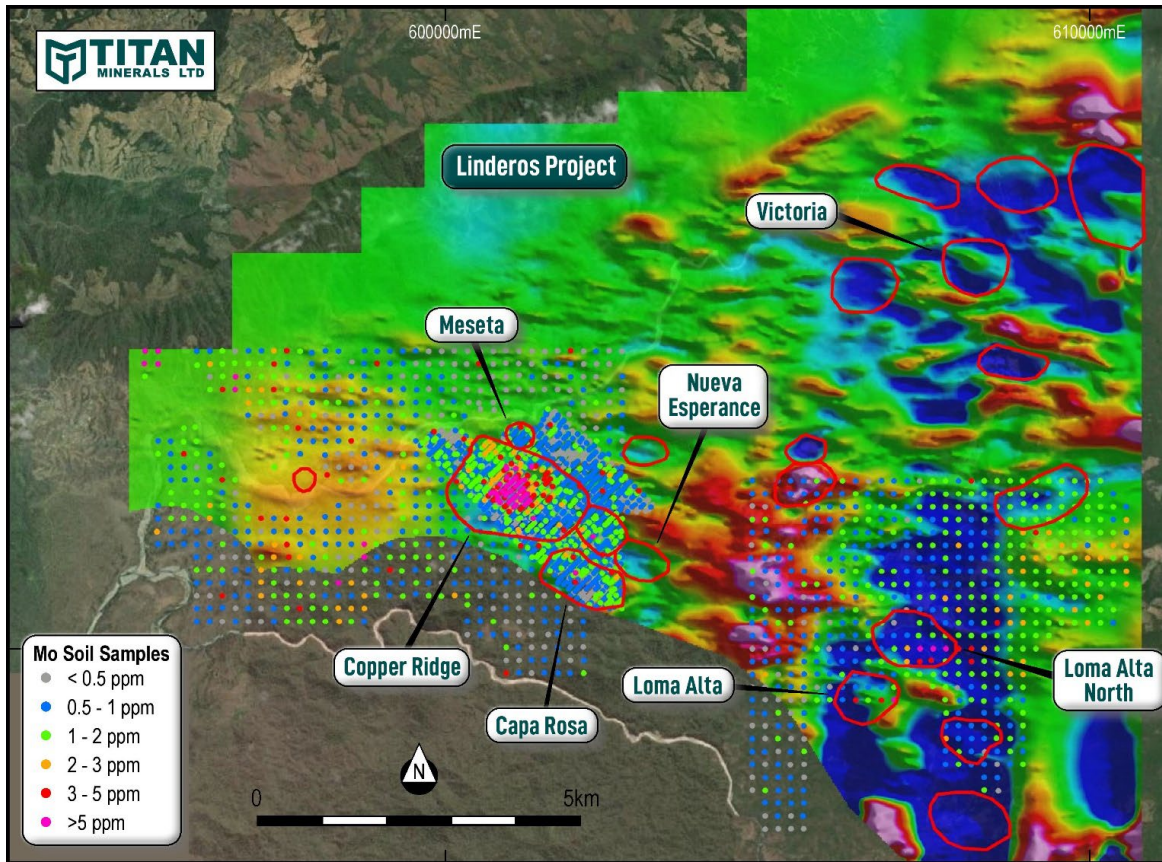


Figure 2. Overview of Linderos Project displaying airborne magnetics (TMI RTP), regional soil geochemistry (molybdenum), with exploration targets outlined with red polygons

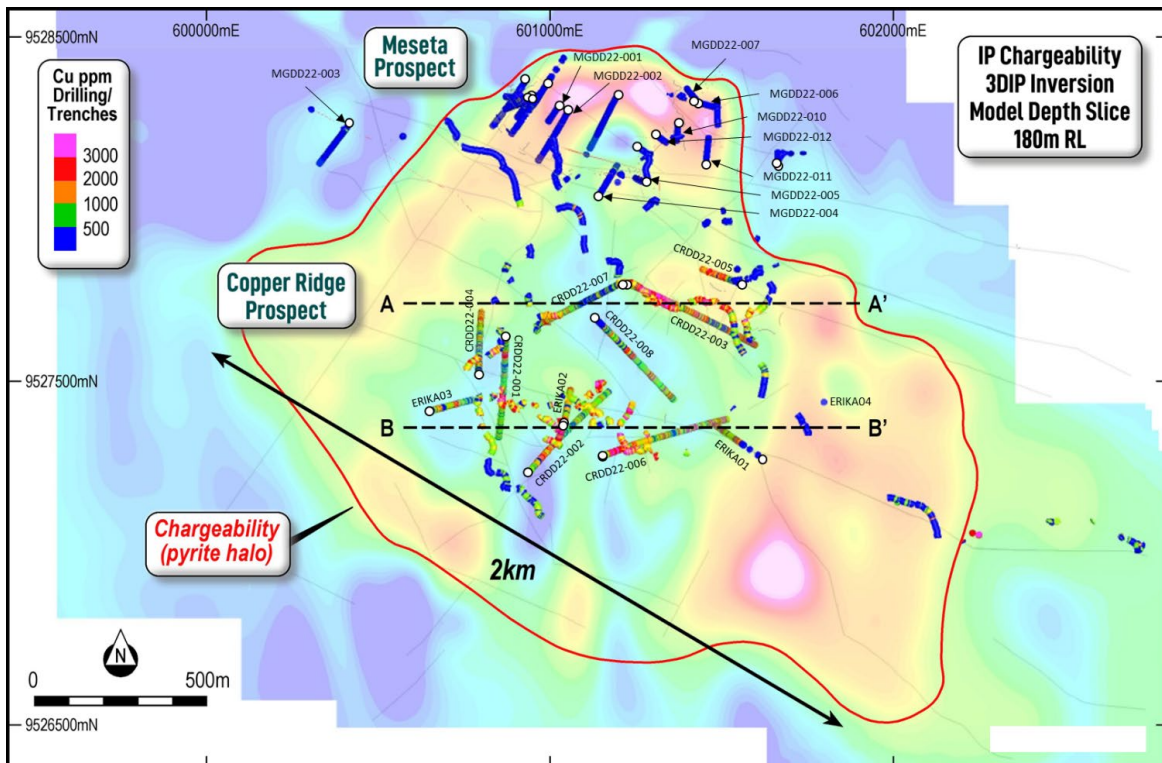


Figure 3. 3D IP Chargeability Inversion Model Depth Slice at 180mRL, ~170m below surface

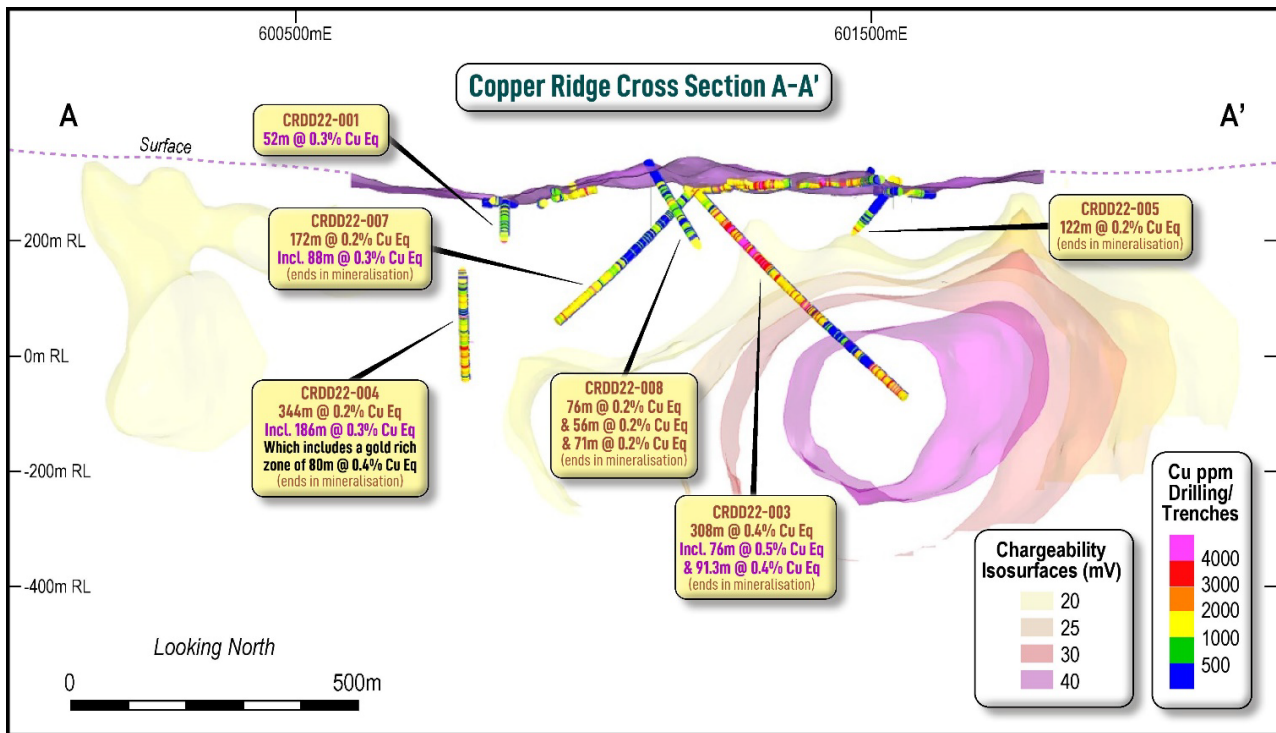


Figure 4. Cross Section A-A' showing 3D IP chargeability isosurfaces, drillholes and trenches displaying copper. Note diamond drillhole CRDD22-003 which ends in strong copper mineralisation.

Proposed Transaction – Indicative Key Terms

The terms of the Proposed Transaction are as follows:

- **(Upfront Payment)** US\$250,000 is payable to Titan no later than 30 days from signing of the Term Sheet. Upfront payment is refundable in the event that the Linderos Copper Project tenement title is not perfected.
- **(Earn-in and Consideration)** Hanrine will have the right to acquire up to an 80% ownership interest in the Linderos Copper Project on the following terms:

Milestone No.	Earn-In Milestones	Earn-in Interest	Total Interest Earned	Time Period to satisfy Earn-in Milestone
1	Execution of formal binding agreement and payment of an aggregate of US\$2 million to Titan (being the upfront payment of US\$250,000 and subsequent payment of US\$1.75 million)	5%	5%	Within 30 days of execution of formal binding agreement
2	Completion of 10km of drilling at the Linderos Copper Project or exploration expenditure of an additional US\$8 million (whichever occurs first)	25%	30%	Within 2 years of execution of formal binding agreement

3	Completion of an additional 15km of drilling or exploration expenditure of an additional US\$12 million (whichever occurs first)	21%	51%	Within 5 years of execution of formal binding agreement
4	Decision to mine or a US\$120 million total investment in the Linderos Copper Project (whichever occurs first)	29%	80%	Within 12 years of execution of formal binding agreement

- **(Additional Payment)** Additional payment of US\$ 1 million is payable to Titan upon Harrine achieving a 51% interest in the Linderos Copper Project.
- **(Free Carried)** Titan will be free carried whilst Harrine is earning up to an 80% interest in the Linderos Copper Project, following which, Titan and Harrine will invest on an equal basis and Titan may elect to contribute equity pro rata or dilute its interest.
- **(Net Smelter Royalty)** If Titan's interest dilutes to 10% or less, Titan will swap its interest in the Linderos Copper Project to a 2.7% net smelter royalty.
- **(First Right of Refusal)** The parties will retain a first right of refusal over each other's interest in the Linderos Copper Project.

The Proposed Transaction, including the key terms, remain subject to the parties agreeing and executing a formal binding earn-in and joint venture agreement and there is no certainty that an agreement will be reached between the parties. The Company will update shareholders on the outcome of the negotiations and the status of the earn-in and joint venture agreement by way of further ASX announcements.

-ENDS-

Released with the authority of the Board.

For further information on the company and our projects, please visit: www.titanminerals.com.au

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Investor Webinar

Titan Minerals Limited (ASX: TTM) (Titan or the Company) is pleased to invite shareholders and investors to a webinar on Thursday 18 April 2024 at 11:30am AEST / 9:30am AWST, where CEO, Melanie Leighton, will provide a company update and engage in a Q&A session.

Details of the event are as follows:

Event: TTM Investor Webinar

Presenter: CEO, Melanie Leighton

Time: Friday 19 April 2024 at 11:30am AEST / 9:30am AWST

Where: Zoom Webinar, details to be provided upon registration. To register your interest for the webinar, please click through to the link below.

Registration link:

https://janemorganmanagement-au.zoom.us/webinar/register/WN_Aiop8sjLSNmHpzvupDbVUQ

After registering your interest, you will receive a confirmation email with information about joining the webinar. Participants will be able to submit questions via the panel throughout the presentation, however we encourage shareholders and investors to send through questions via email beforehand to: jm@janemorganmanagement.com.au

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Competent Person's Statements

The information in this report that relates to Exploration Results is based on and fairly represents information compiled by Ms Melanie Leighton, who is an experienced geologist and a Member of The Australian Institute of Geoscientists. Ms Leighton is a full-time employee at Titan Minerals and has sufficient experience which is relevant to the style of mineralisation and type of deposits under consideration and to the activity which she is undertaking to qualify as a Competent Person as defined in the JORC 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources, and Ore Reserves'. Ms Leighton consents to their inclusion in the report of the matters based on this information in the form and context in which it appears.

Forward-looking Statements

This announcement may contain "forward-looking statements" and "forward-looking information", including statements and forecasts. Often, but not always, forward-looking information can be identified by the use of words such as "plans", "expects", "is expected", "is expecting", "budget", "outlook", "scheduled", "estimates", "forecasts", "intends", "anticipates", or "believes", or variations (including negative variations) of such words and phrases, or state that certain actions, events or results "may", "could", "would", "might", or "will" be taken, occur or be achieved. Such information is based on assumptions and judgments of Titan's directors and management regarding future events and results.

The purpose of forward-looking information is to provide the audience with information about Titan's expectations and plans. Readers are cautioned that forward-looking information involves known and unknown risks, uncertainties and other factors which may cause the actual results, performance or achievements of Titan and/or its subsidiaries to be materially different from any future results, performance or achievements expressed or implied by the forward-looking information. Forward-looking information and statements are based on the reasonable assumptions, estimates, analysis and opinions of Titan directors and management made in light of their experience and their perception of trends, current conditions and expected developments, as well as other factors that Titan directors and management believe to be relevant and reasonable in the circumstances at the date such statements are made, but which may prove to be incorrect. Titan believes that the assumptions and expectations reflected in such forward-looking statements and information are reasonable.

Readers are cautioned that the foregoing list is not exhaustive of all factors and assumptions which may have been used. Titan does not undertake to update any forward-looking information or statements, except in accordance with applicable securities law.