

DYNASTY GOLD PROJECT ACTIVITIES UPDATE

Titan Minerals Limited (Titan or the Company) (ASX:TTM) is pleased to provide an update on the Company's 100% held Dynasty Gold Project (Dynasty) in southern Ecuador, where it has been undertaking a 10,000m diamond drilling program, while also conducting exploration work programs into new prospective areas outside the current 3.1 Moz gold and 22 Moz silver Mineral Resource.

At the end of 2024, 20 diamond holes had been completed for 4,600m as part of a 10,000m resource growth and conversion drilling campaign which commenced in early November. Drilling to date has been directed into the Cerro Verde, Iguana and Iguana east prospects, with all drill core logged and samples sent to the laboratory in late December 2024.

The Company advises that ALS Global analytical laboratories have been experiencing higher than expected volumes of samples which has impacted turnaround times, with further delays also caused by the Christmas period. The Company is in close communication with the laboratory and has been informed that several batches of assays will be delivered in the coming weeks. The Company intends to release these results as soon as they are available.

Further exploration surface trench results are also awaited, with results from these trenches expected to inform upcoming exploration drill programs targeting shallow resource growth in unexplored and highly prospective areas.

The Company is pleased to advise that exploration and operational activities recommenced at the Dynasty Gold Project on 6th January, with three drill rigs set to recommence drilling on 20th January. This slight delay in recommencement of drilling activities will allow time to receive pending assay results and will also allow time for review and optimisation of the remainder of the 10,000m diamond drill program.

The Company looks forward to providing further updates as exploration and resource development work programs advance, and as assay results are received for the Dynasty Gold Project.

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Released with the authority of the Board.

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About the Dynasty Gold Project

The Dynasty Gold Project is an advanced exploration- early resource stage project comprising five contiguous concessions and is 139km² in area. Three of these concessions received Environmental Authorisation in 2016 and are fully permitted for all exploration and small scale mining activities.

Exploration work at the Dynasty Gold Project has outlined an extensive zone of epithermal veining over a nine kilometres strike and two kilometres in width. There is also considerable potential for porphyry copper mineralisation as identified by surface mapping, trenching, and drilling at the Kaliman prospect and by surface geochemistry and mapping at the Cola and Gisell prospects.

Table 1. Dynasty Mineral Resource Estimate, July 2023

Dynasty Project	Tonnes (M)	Indicated				Inferred				Total					
		Grade (g/t)		Contained Metal (Moz)		Grade (g/t)		Contained Metal (Moz)		Tonnes (M)	Grade (g/t)		Contained Metal (Moz)		
		Au	Ag	Au	Ag	Au	Ag	Au	Ag		Au	Ag	Au	Ag	
Cerro Verde	15.17	2.01	13.51	0.98	6.59	13.63	2.15	12.44	0.94	5.45	28.80	2.08	13.00	1.92	12.04
Iguana	2.41	2.36	16.08	0.18	1.25	8.52	1.92	13.00	0.53	3.56	10.93	2.02	13.68	0.71	4.81
Trapichillo	0.05	1.89	9.28	0.00	0.01	2.89	3.83	39.80	0.36	3.70	2.94	3.80	39.31	0.36	3.71
Papayal	0.46	3.04	48.24	0.05	0.72	0.41	6.24	53.80	0.08	0.71	0.87	4.54	50.85	0.13	1.43
Total	18.09	2.09	14.73	1.21	8.57	25.44	2.33	16.40	1.90	13.41	43.54	2.23	15.70	3.12	21.98

Notes: 1. Reported ≥ 0.5 g/t Au. 2. Some rounding errors may be present. 3. Tables are rounded as the final steps. Totals are not calculated after rounding. 4. M – million. Oz- ounce. g/t – grams per tonne.

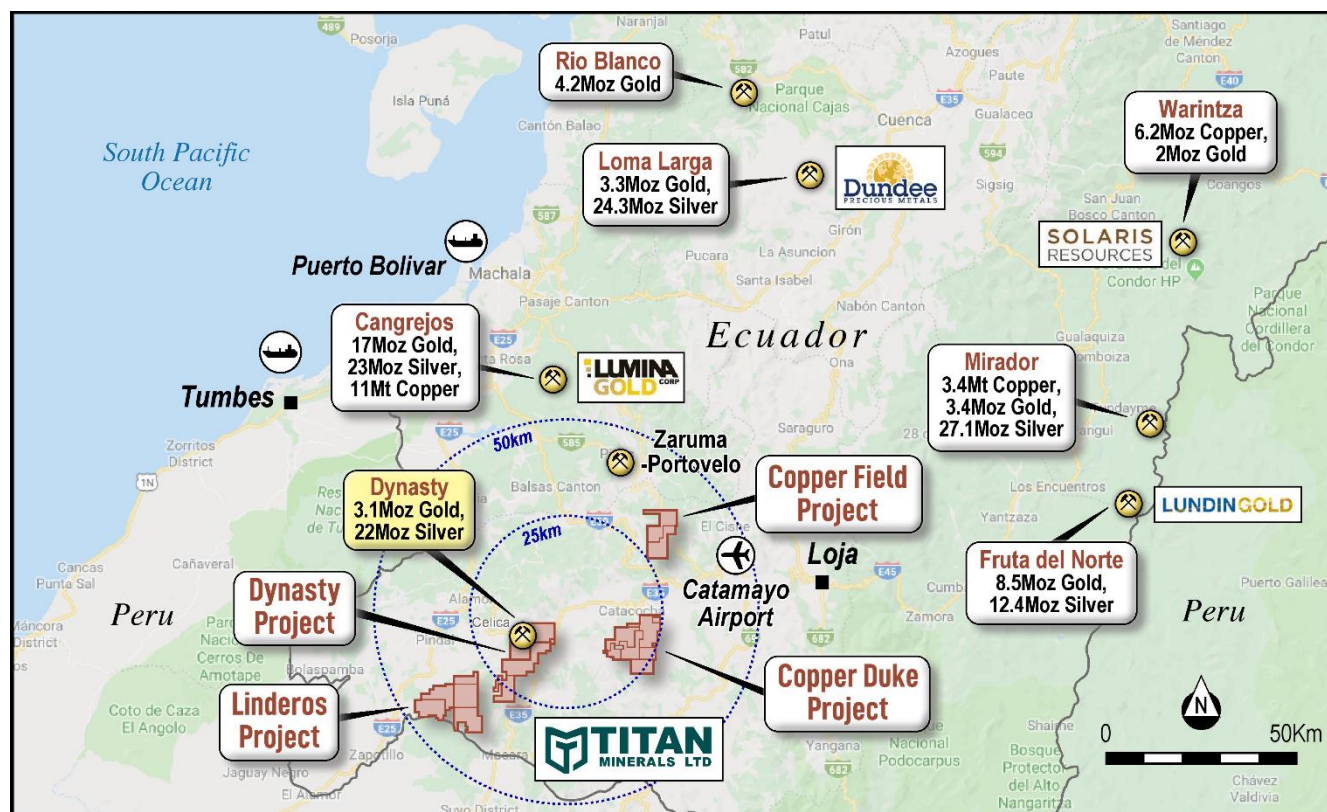


Figure 1. Titan Minerals southern Ecuador Projects, peer deposits and surrounding infrastructure

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.

With respect to estimates of Mineral Resources, announced on 6 July 2023, (MRE Announcement) the Company confirms that it is not aware of any new information or data that materially effects the information in the MRE Announcement and that all material assumptions and technical parameters underpinning the estimates continue to apply and have not materially changed.

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.