

EXCEPTIONAL TRENCH RESULTS UNVEIL NEW MINERALISATION AT THE DYNASTY GOLD PROJECT

Key Highlights

- Two new areas of mineralisation have been confirmed by trenching and channel sampling designed to follow up soil geochemical anomalies.

1. Kaliman southwest extension:

- High-grade gold mineralisation has been extended a further 300 metres to the southwest of the Kaliman porphyry, with significant results including:
 - 10.2m @ 3.8 g/t Au, 8.3 g/t Ag, including 4.0m @ 8.75 g/t Au, 14.8 g/t Ag in CVT25-029 &
 - 5.2m @ 3.3 g/t Au, 7.5 g/t Ag in CVC25-126.
- These latest results give support to historical drilling in this area which highlighted porphyry related mineralisation, with results of:
 - 9.6m @ 0.2 g/t Au, 2.6 g/t Ag, 0.36% Cu from 31.9m &
 - 22.5m @ 1.0 g/t Au, 2.4 g/t Ag from 49.8m in DDH022.
- DDH022 was only drilled to 82 metres and has never been followed up representing an exciting opportunity to grow bulk porphyry hosted gold and copper mineralisation at Dynasty.

2. Brecha-Comanche west extension:

- High-grade gold mineralisation has been extended a further 180 metres to the west of Brecha-Comanche, with a wide, strike extensive epithermal vein confirmed, with significant results including:
 - 8.6m @ 5.8 g/t Au, 115.9 g/t Ag, including 6.0m @ 8.1 g/t Au, 163.6 g/t Ag in CVT25-022
 - 15.0m @ 2.1 g/t Au, 18.8 g/t Ag, including 7.3m @ 3.9 g/t Au, 33.5 g/t Ag in CVT25-025
 - 8.5m @ 1.4 g/t Au, 25.2 g/t Ag in CVT25-026

Titan's CEO Melanie Leighton commented:

"To achieve results of up to 8.6m @ 5.8 g/t Au, 115.9 g/t Ag and 10.2m @ 3.8 g/t Au, 8.3 g/t Ag from surface in our reconnaissance trenching in entirely new areas, gives an indication of the discovery potential yet to be unveiled at Dynasty."

“It is exciting to think that there are still so many unexplored areas within the 9km long Dynasty Gold Project. We believe that there is substantial additional mineralisation yet to be delivered from our exploration and resource definition drilling, as we aim to grow the 3.1Moz gold resource at Dynasty.”

Dynasty Exploration 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**), where it has been undertaking surface mapping, trenching and channel sampling to follow up on geochemical anomalies highlighted by recent soil sampling programs completed at the Cerro Verde prospect (**Cerro Verde**).

Titan’s latest exploration has identified two new highly prospective areas of mineralisation that lie to the west and southwest of Cerro Verde mineralisation with exciting wide and high-grade results unveiled by latest exploration work programs, representing potential near term and shallow resource extensions.

Significant channel and trench results are detailed below and can be observed in figures 1 and 2,

Kaliman southwest Extension

The first new area of mineralisation is located to the southwest of the Kaliman porphyry prospect, with trenching and channel sampling returning several significant intercepts highlighting mineralisation over a strike extent of ~300 metres. New significant trench results include:

- **10.2m @ 3.8 g/t Au, 8.3 g/t Ag, including 4.0m @ 8.75 g/t Au, 14.8 g/t Ag** in CVT25-029 &
- **5.2m @ 3.3 g/t Au, 7.5 g/t Ag** in CVC25-126
- 6.2m @ 1.2 g/t Au, 4.5 g/t Ag in CVT25-020
- 5.8m @ 1.5 g/t Au, 6.6 g/t Ag in CVC25-128
- 5.5m @ 1.4 g/t Au, 3.1 g/t Ag in CVT25-027
- 17.0m @ 0.7 g/t Au, 0.7 g/t Ag, *including 9.0m @ 1.0 g/t Au, 3.6 g/t Ag* in CVC25-127

Results returned from channels CVC25-126, 127 and 128 verify limited shallow historical drilling completed in the vicinity of these new channels. Diamond drillhole DDH022 was completed by Dynasty Metals & Mining in 2005 and was only drilled to a depth of 82 metres, intersecting porphyry related copper and gold mineralisation, with significant intercepts including:

- **9.6m @ 0.2 g/t Au, 2.6 g/t Ag, 0.36% Cu** from 31.9m &
- **22.5m @ 1.0 g/t Au, 2.4 g/t Ag** from 49.8m, *including 4.3m @ 1.8 g/t Au, 4.8 g/t Ag* from 49.8m & *including 1.3m @ 3.8 g/t Au, 5.1 g/t Ag* from 71m in DDH022.

The discovery of shallow (from surface), porphyry hosted gold mineralisation extending to the southwest of the Kaliman porphyry prospect unlocks a new area of mineralisation that can potentially be brought into the mineral resource inventory at Dynasty. This porphyry hosted mineralisation represents a lower grade, but bulk style of mineralisation, amenable to low strip ratios and bulk open pit mining methods.

Brecha-Comanche West Extension

The second new area of mineralisation also returned wide and high-grade results in surface trenching and channel sampling, extending mineralisation a further 180 metres to the west of the Brecha-Comanche prospect at Cerro Verde, with significant results including:

- **8.6m @ 5.8 g/t Au, 115.9 g/t Ag, including 6.0m @ 8.1 g/t Au, 163.6 g/t Ag** in CVT25-022
- **15.0m @ 2.1 g/t Au, 18.8 g/t Ag, including 7.3m @ 3.9 g/t Au, 33.5 g/t Ag** in CVT25-025
- 8.5m @ 1.4 g/t Au, 25.2 g/t Ag in CVT25-026
- 5.6m @ 1.2 g/t Au, 12.5 g/t Ag in CVC25-130
- 1.2m @ 4.2 g/t Au, 6.5 g/t Ag in CVC25-134

This newly identified diorite porphyry hosted northeast-southwest trending epithermal vein appears to be a direct extension of mineralisation at the Brecha-Comanche prospect.

A small campaign of shallow drilling is being designed to test down dip extensions of these surface trench results, with the aim of bringing these new areas of mineralisation into the forthcoming mineral resource estimate. Drilling will commence in these areas once the current campaign of resource infill drilling is completed in the Brecha-Comanche – Kaliman prospect areas.

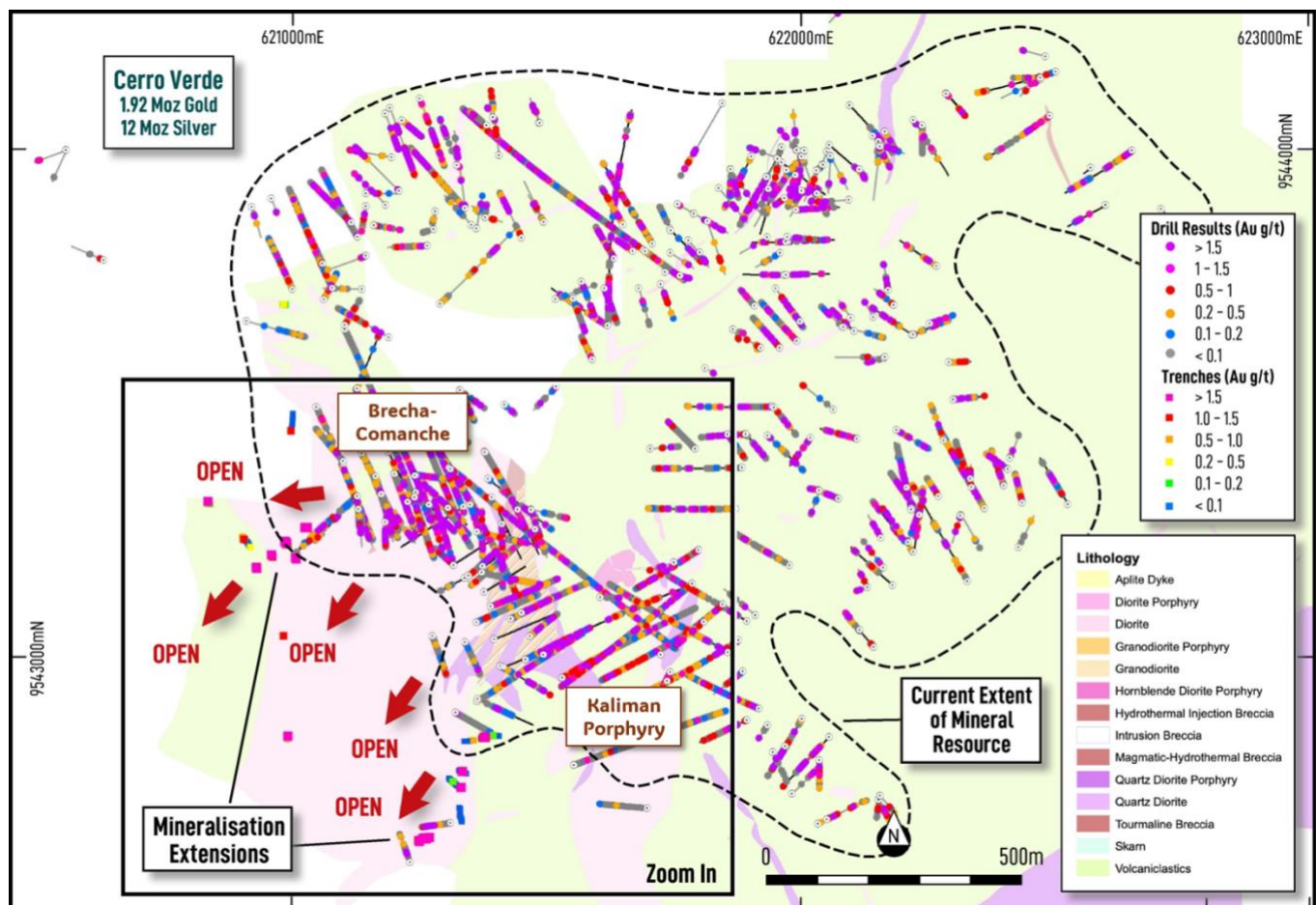


Figure 1. Cerro Verde prospect plan view displaying surface geology, mineral resources, drilling and latest trench results highlighting mineralisation extensions to the west of Brecha-Comanche and southwest of Kaliman porphyry prospect.

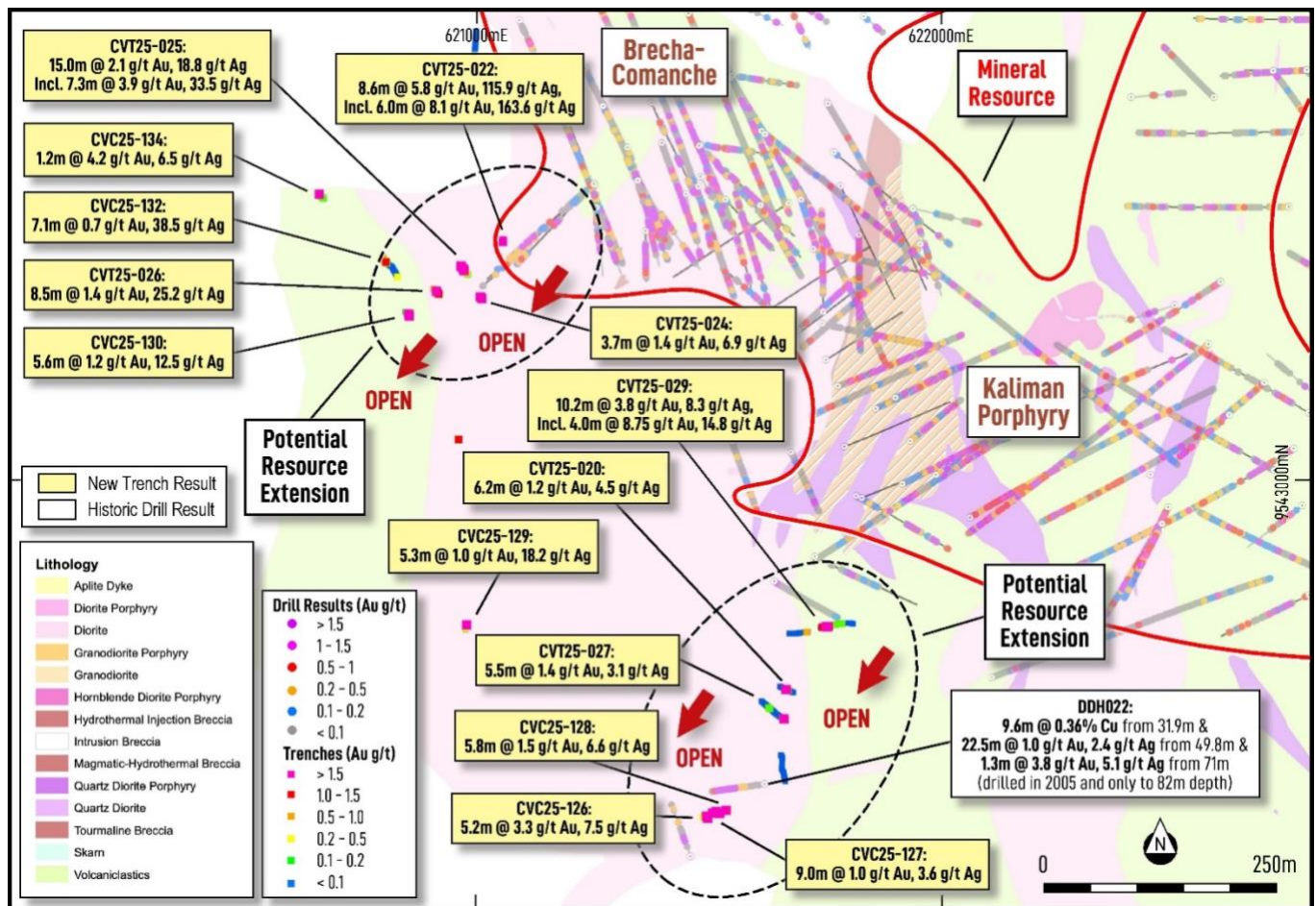


Figure 2. Plan View zoom into Cerro Verde western extensions displaying interpreted geology, drilling and latest trench results in relation to drilling.

Dynasty Next Steps

Drilling Activities & Mineral Resource Update

The Cerro Verde prospect hosts almost two thirds (**1.9Moz**) of the Dynasty **3.1Moz gold resource**. The mineralisation at Cerro Verde is the widest, most strike extensive and most predictable gold mineralisation, which to date has been tested from surface down to ~400 metres beneath surface.

As has been revealed in this announcement, substantial new mineralisation extensions have been identified to the west and southwest of current drill defined resources at Cerro Verde. The Company is currently planning a small campaign of shallow drilling to test and define depth extensions to outcropping mineralisation as identified by latest trench results. The intent of this drilling is to bring these new areas into the forthcoming mineral resource update.

A 6,000m resource infill drilling program is advancing well with three diamond rigs in operation and the program expected to be completed in two months. The results of this program will be incorporated into the forthcoming mineral resource estimate, with infill drilling expecting to provide:

- 1. improved confidence in the geological and mineralisation models,**
- 2. additional assay data for improved grade estimation,**
- 3. improved categorisation of Mineral Resources to support a future Ore Reserve, and**
- 4. new mineralisation additions in areas of wide spaced drilling.**

As reported in ASX announcement on 12th August 2025 and observed in Figure 4, the Company has seen strong results from infill drilling with the first infill drillhole CVDD24-141 delivering significant results including:

- 31.6m @ 2.2 g/t Au, 5.4 g/t Ag from 70.9m, *including higher-grade intercepts of:*
 - 8.8m @ 3.8 g/t Au, 10.6 g/t Ag from 79.6m
 - 4.5m @ 3.2 g/t Au, 4.7 g/t Ag from 95.4m &
- 18.1m @ 1.4 g/t Au, 2.9 g/t Ag from 145m, *including higher-grade intercepts of:*
 - 2.4m @ 3.6 g/t Au, 4.1 g/t Ag from 146.8m &
 - 1.7m @ 3.0 g/t Au, 6.3 g/t Ag from 153.8m &
 - 2.4m @ 3.2 g/t Au, 4.5 g/t Ag from 160.0m &
- 23m @ 1.4 g/t Au, 5.4 g/t Ag from 173m, *including a higher-grade intercept of:*
 - 8m @ 2.6 g/t Au, 12.1 g/t Ag from 183m &
- 4.3m @ 2.1 g/t Au, 6.1 g/t Ag from 274.6m, mineralised to EOH.

Drillhole CVDD25-141 has confirmed additional mineralisation at Cerro Verde, with significant wide and high-grade results returned from an untested gap zone between the Brecha-Comanche epithermal gold system and the Kaliman porphyry copper-gold system. These results highlight the considerable potential to grow resources in this part of the system, with further follow up drilling currently underway in this area.

Of significance to note is the potential positive impact of this newly defined mineralisation on future pit optimisation, mine studies and strip ratios at the Dynasty Gold Project.

An Entech Mining resource consultant has completed an onsite visit of the Dynasty Gold Project. There were no fatal flaws or risks identified, and the Company awaits a summary of findings and recommendations following the visit.

The Company looks forward to providing further exploration and resource drilling updates as results are received.

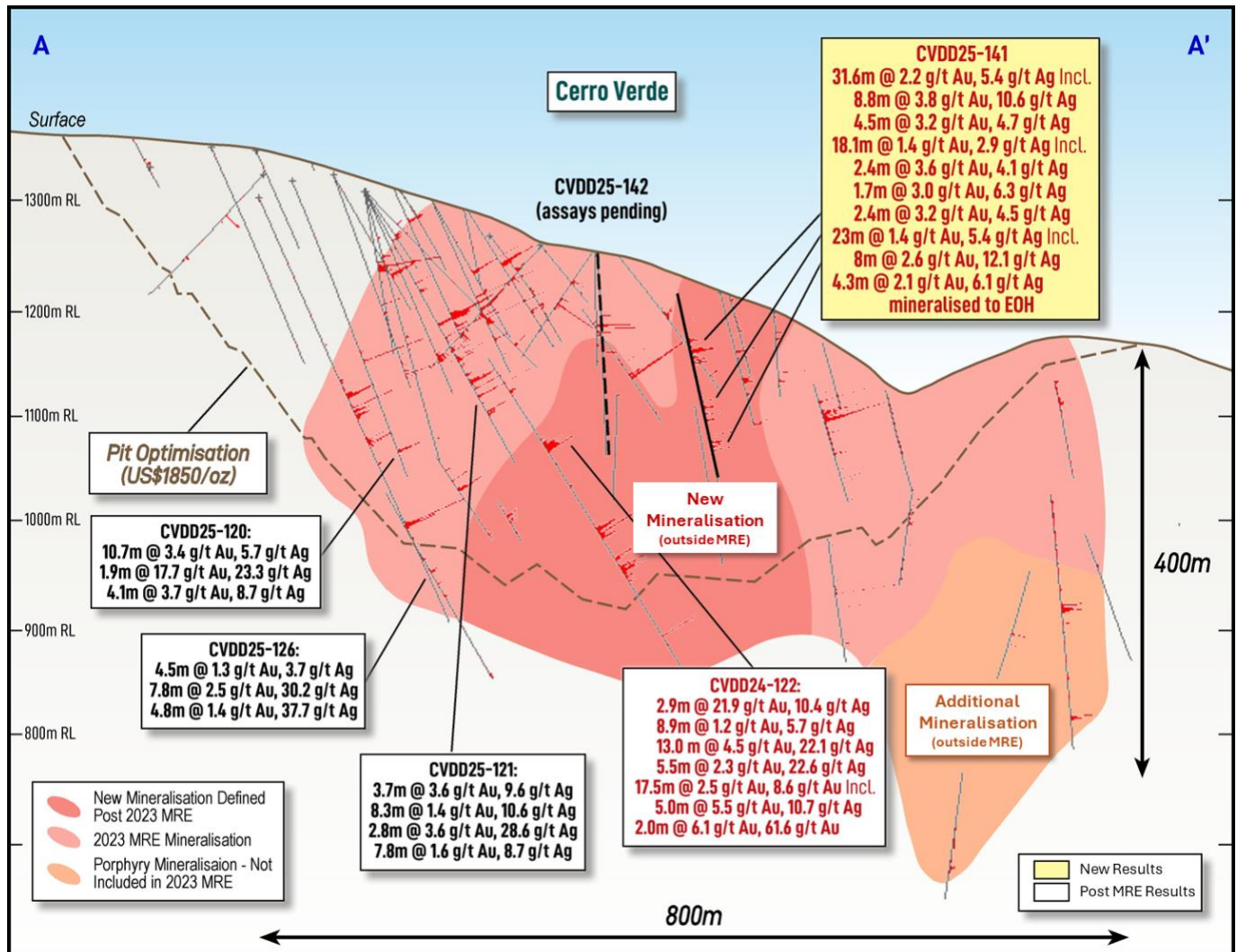


Figure 4. Cerro Verde long section looking northeast (150m window), drilling shows Au g/t histogram in red, conceptual pit optimization (US\$1850/oz), interpreted mineralised zone, significant drilling intersections and potential mineral resource additions.



Plate 1. Trench CVT25-022: 8.6m @ 5.8 g/t Au, 115.9 g/t Ag. Epithermal vein within diorite porphyry host with argillic alteration halo, exhibiting massive and comb texture within a stockwork vein system. Observed sulphides include pyrite, arsenopyrite and sphalerite along with supergene copper minerals including chalcocite, malachite and azurite.

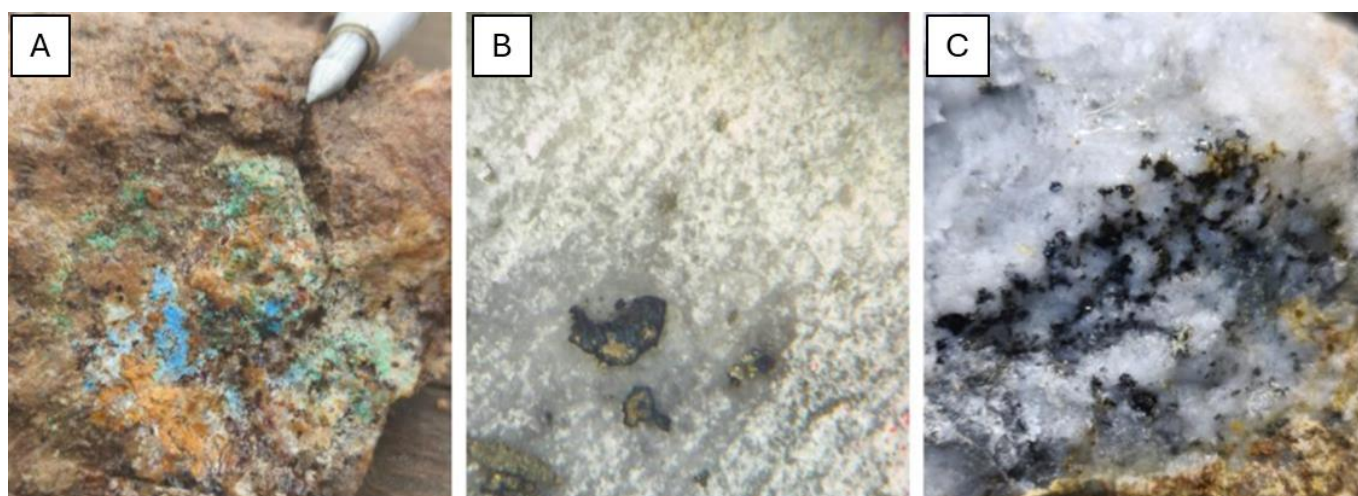


Plate 2. Mineralization examples taken from the epithermal vein system in trench CVT25-022. A.) Supergene enrichment zone malachite and azurite. B.) Microscopic view of chalcocite replacing chalcopyrite. C.) chalcocite with sulphides.

ENDS-

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 mineralisation over a nine-kilometre strike extent. 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.

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.

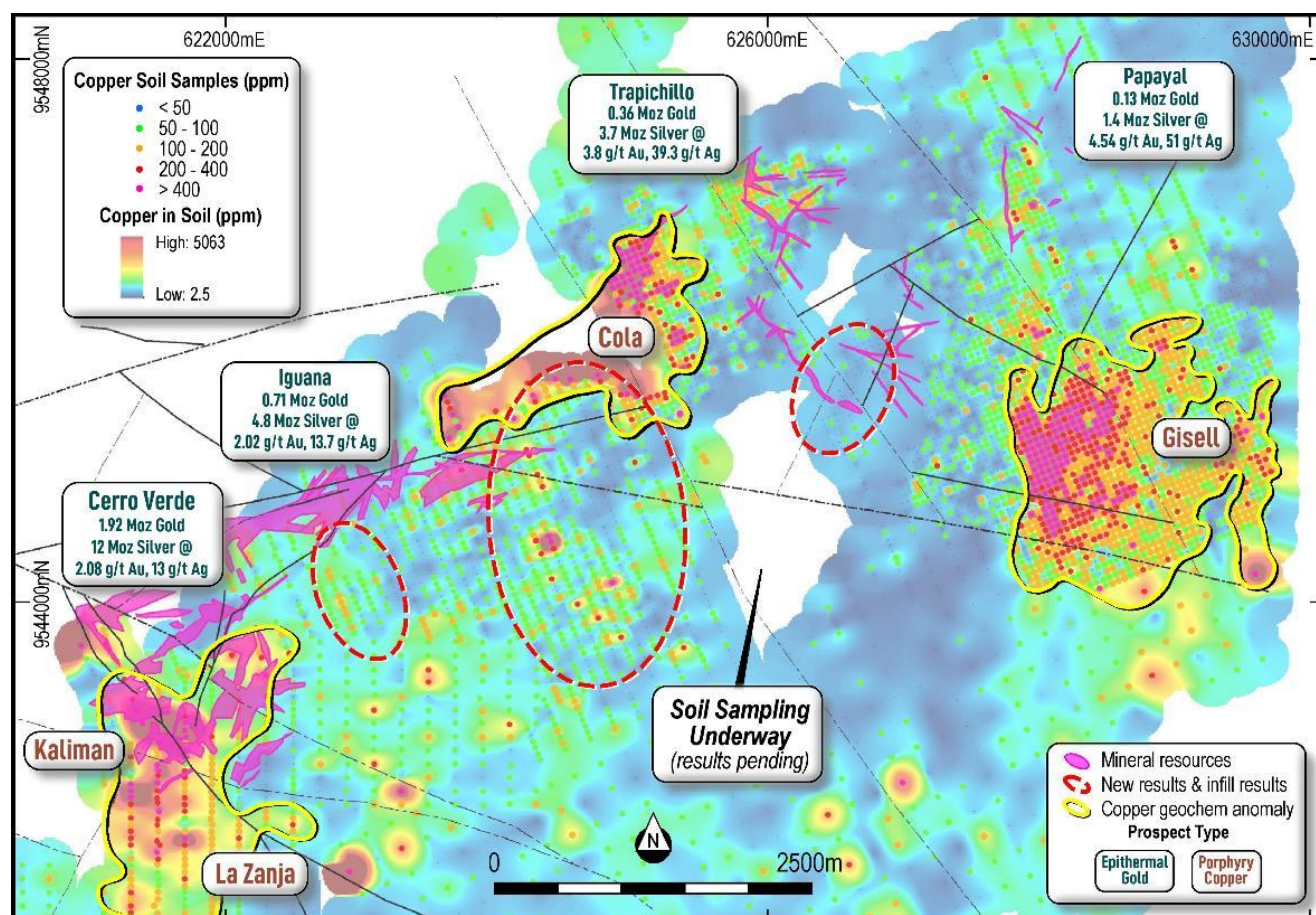


Figure 4. Dynasty Gold Project displaying main gold and copper prospects, mineral resources (gold) and copper in soils

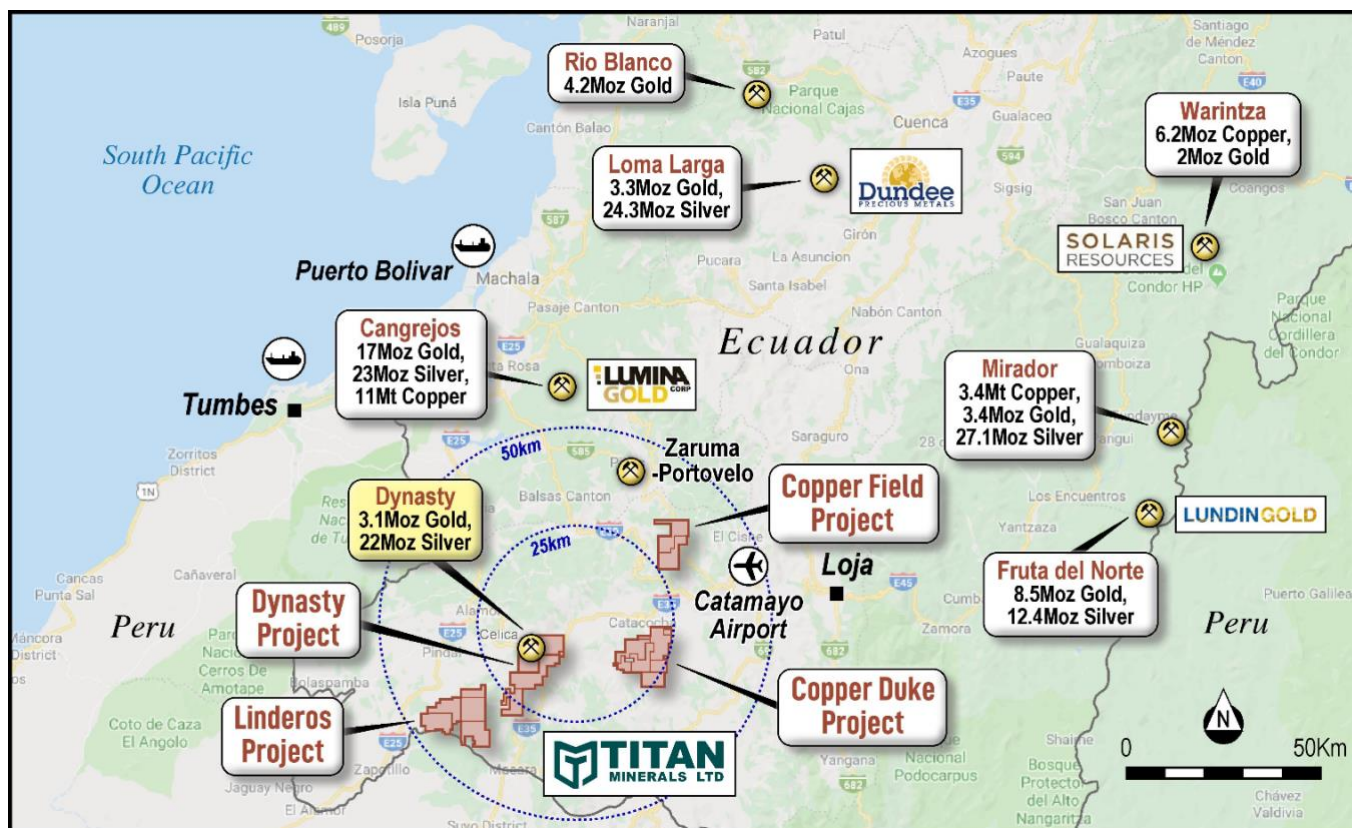


Figure 5. Titan Minerals southern Ecuador Projects, peer deposits and surrounding infrastructure

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.

Appendix A.

Table 1. Cerro Verde Significant Trench and Channel Results

Trench/ Channel Number	East (m)	North (m)	RL (m)	Length (m)	Dip (°)	Azimuth (°)		From (m)	To (m)	Length (m)	Au (g/t)	Ag (g/t)	Cu (ppm)
CVC25-126	621247	9542641	1121	6	13	139		0.0	5.2	5.2	3.3	7.5	240
CVC25-127	621258	9542641	1118	17	-4	71		0.0	17.0	17.0	0.7	3.3	526
							<i>incl.</i>	4.8	13.8	9.0	1.0	3.6	672
CVC25-128	621244	9542638	1123	24	-3	96		12.0	17.8	5.8	1.5	6.6	236
CVC25-129	620991	9542838	1173	9	-10	339		3.3	8.6	5.3	1.0	18.2	67
CVC25-130	620925	9543179	1222	8	2	104		2.5	8.1	5.6	1.2	12.5	206
CVC25-132	620917	9543216	1228	29	5	338		21.0	28.1	7.1	0.7	38.5	154
CVC25-134	620839	9543300	1248	11	8	302		7.8	9.0	1.2	4.2	6.5	47
CVT25-020	621327	9542778	1175	19	-14	115		5.5	11.8	6.2	1.2	4.5	94
CVT25-022	621032	9543254	1311	10	-2	280		1.2	9.8	8.6	5.8	115.9	355
							<i>incl.</i>	2.4	8.4	6.0	8.1	163.6	428
CVT25-023	620997	9543443	1374	41	25	10		2.0	4.0	2.0	1.3	3.1	150
CVT25-024	621004	9543196	1256	7	0	110		1.8	5.5	3.7	1.4	6.9	166
CVT25-025	620993	9543219	1275	15	4	317		0.0	15.0	15.0	2.1	18.8	141
CVT25-025	620993	9543219	1275	15	4	317	<i>incl.</i>	5.8	13.1	7.3	3.9	33.5	143
CVT25-026	620963	9543197	1248	10	-2	318		1.5	10.0	8.5	1.4	25.2	191
CVT25-027	621334	9542741	1151	37	28	323		1.9	7.4	5.5	1.4	3.1	22
CVT25-029	621407	9542845	1185	39	14	281		0.0	12.3	12.3	0.1	1.0	401
								26.4	36.6	10.2	3.8	8.3	243
							<i>incl.</i>	27.8	31.8	4.0	8.8	14.8	251
CVC25-123	621368	9542673	1105	17	1	262		0.0	8.1	8.1	0.0	0.5	954
CVC25-125	621270	9542661	1119	14	-9	72		8.9	14.5	5.6	0.1	1.9	2668

NB. Prefix CVC= Channel, CVT = Trench

NB. All locations are given in WGS84 Datum.

Table 2. Cerro Verde Significant Historical Drill Results

Hole Number	East (m)	North (m)	RL (m)	Length (m)	Dip (°)	Azimuth (°)		From (m)	To (m)	Length (m)	Au (g/t)	Ag (g/t)	Cu (%)
DDH022	621311	9542674	1109	81.45	-45	262		31.8	41.4	9.6	0.2	2.6	0.36
								49.8	72.3	22.5	1.0	2.4	-
							<i>incl.</i>	49.8	54.1	4.3	1.8	4.8	-
							<i>& incl.</i>	71	72.3	1.3	3.8	5.1	-

NB. All locations are given in WGS84 Datum.

APPENDIX B

Dynasty Project - 2012 JORC Table 1

Section 1 Sampling Techniques and Data

Criteria	JORC Code Explanation	Commentary
Sampling techniques	<i>Nature and quality of sampling (e.g., cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.</i> <i>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</i> <i>Aspects of the determination of mineralisation that are Material to the Public Report.</i> <i>In cases where 'industry standard' work has been done this would be relatively simple (e.g., 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases, more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (e.g., submarine nodules) may warrant disclosure of detailed information.</i>	- Trench and channel sampling is completed as representative cut samples across measured intervals cut with hammer or hammer and chisel techniques. - Rock chip samples were selected by geologists as being of geological or mineralisation interest. Rock chips are not considered to be representative on their own and are to be used in conjunction with other geological datasets. - Samples were dried at a temperature < 60°C, crushed to better than 70% passing a 2mm mesh and split to produce a 250g charge pulverised to 200 mesh to form a pulp sample. 50g charges were split from each pulp for fire assay for Au with an atomic absorption (AA) finish. Samples returning >10ppm Au from the AA finish technique are re-analysed by 50g fire assay for Au with a gravimetric finish. - An additional charge is split from sample for four acid digests with ICP-MS (ME-MS61 internal code from ALS laboratories) reporting a 48-element suite. Within the 48 elements suite, overlimit analyses of a 5-element suite are performed with an ore grade technique (ICP-AES) if any one element for Ag, Pb, Zn, Cu, Mo exceeds detection limits in the ICP-MS method. - Soil samples are obtained by excavating soil pits, allowing for the identification of soil profile layers in the area. The average sampling depth is 0.5m, where the B horizon remains intact and there is minimal influence or contamination from organic matter. Once collected, the sample is quartered and passed through a 2mm sieve, the portion passing through the sieve is retained, ensuring a minimum weight of 250g. - Soil samples are treated in in-house laboratory located in the company's campsite. Upon entry into the digital sample inventory, the samples were split to produce 50g charge, which is dried at a temperature <60°C during 8 hours. The dried sample undergoes crushing with a glass roller. The pulverized sample is then pelletized and is ultimately prepared for analysis using the p-XRF device (VANTA V2MR).
Drilling techniques	<i>Drill type (e.g., core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (e.g., core diameter, triple or standard tube, depth of diamond tails, face-sampling bit, or other type, whether core is oriented and if so, by what method, etc).</i>	No new drilling included in this announcement.

Criteria	JORC Code Explanation	Commentary
Drill sample recovery	- Method of recording and assessing core and chip sample recoveries and results assessed. - Measures taken to maximise sample recovery and ensure representative nature of the samples. - Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.	No new drilling included in this announcement.
Logging	- Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies. - Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography. - The total length and percentage of the relevant intersections logged.	- No new drilling included in this announcement. - Rock chip and trench samples are geologically logged using qualitative descriptions for lithology, alteration. Mineralogy, veining and presence and type of sulphides. - Photographs are systematically acquired for sampled intervals in trenches.
Sub-sampling techniques and sample preparation	- If core, whether cut or sawn and whether quarter, half or all cores taken. - If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry. - For all sample types, the nature, quality, and appropriateness of the sample preparation technique. - Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples. - Measures taken to ensure that the sampling is representative of the in-situ material collected, including for instance results for field duplicate/second-half sampling. - Whether sample sizes are appropriate to the grain size of the material being sampled.	- Trench and Rock chip samples were submitted in their entirety for analysis, no subsampling was completed. - Soil samples are obtained by excavating soil pits, allowing for the identification of soil profile layers in the area. The average sampling depth is 0.5m, where the B horizon remains intact and there is minimal influence or contamination from organic matter. Once collected, the sample is quartered and passed through a 2mm sieve, the portion passing through the sieve is retained, ensuring a minimum weight of 250g. - pXRF Analysis: The samples were directed to the internal laboratory situated at the company's offices. Upon entry into the digital sample inventory, they undergo splitting, and a 50g portion is selected for further processing. This 50g portion is then dried in an oven at 60°C for 8 hours to remove moisture. Subsequently, the dried sample undergoes crushing under pressure with a glass roller. The pulverized sample is then pelletized and is prepared for analysis using the handheld p-XRF. - Laboratory Assay Analysis: Au was analysed by Aqua regia extraction with ICP-MS finish. An additional charge is split from sample for four acid digests with ICP-MS reporting a 48-element suite. - Several duplicate soil samples have been evaluated using laboratory assay and also pXRF analysis with excellent correlation returned for arsenic, copper, lead and zinc. Arsenic is a very good proxy for gold at the Dynasty Gold Project, hence pXRF arsenic data being a valuable tool and vector when exploring for gold mineralisation.
Quality of assay data and laboratory tests	The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.	- No geophysical tools used in relation to the reported exploration results. - In addition to the laboratory's own quality control ("QC") procedure(s), Titan Minerals Ltd- regularly inserts its own Quality assurance and QC samples, with over 15% of samples in reported results corresponding to an inserted

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	- For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc. - Nature of quality control procedures adopted (e.g., standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e., lack of bias) and precision have been established.	combination of certified reference materials (standards), certified blank material, field duplicate, lab duplicates (on both fine and coarse fraction material). - Au was analysed by Aqua regia extraction with ICP-MS finish. An additional charge is split from sample for four acid digests with ICP-MS reporting a 48-element suite. - Soil samples analysed by the company pXRF follow a strict sample preparation as outlined in the above section. The pXRF used is a SciAps X505-446 consisting of SC-910-500066 NCMINING - SciAps X-505 Mining Analyzer, SC-114-700019 Rh Soil App-Environmental Rh tube, SC-114-700014 (precious metals app). - Forty elements are analysed with the pXRF, with their respective detection limits outlined below: <table><tr><th>Element</th><th>Detection limit</th><th>Element</th><th>Detection limit</th><th>Element</th><th>Detection limit</th><th>Element</th><th>Detection limit</th></tr><tr><td>Ag (ppm)</td><td>< 5 ppm</td><td>Cs (ppm)</td><td>< 10 ppm</td><td>Nd (ppm)</td><td>< 50 ppm</td><td>Si (ppm)</td><td>< 300 ppm</td></tr><tr><td>Al (ppm)</td><td>< 300 ppm</td><td>Cu (ppm)</td><td>< 5 ppm</td><td>Ni (ppm)</td><td>< 5 ppm</td><td>Sn (ppm)</td><td>< 5 ppm</td></tr><tr><td>As (ppm)</td><td>< 5 ppm</td><td>Fe (ppm)</td><td>< 25 ppm</td><td>P (ppm)</td><td>< 300 ppm</td><td>Sr (ppm)</td><td>< 5 ppm</td></tr><tr><td>Ba (ppm)</td><td>< 10 ppm</td><td>Hg (ppm)</td><td>< 5 ppm</td><td>Pb (ppm)</td><td>< 5 ppm</td><td>Te (ppm)</td><td>< 5 ppm</td></tr><tr><td>Ca (ppm)</td><td>< 10 ppm</td><td>K (ppm)</td><td>< 25 ppm</td><td>Pr (ppm)</td><td>< 25 ppm</td><td>Th (ppm)</td><td>< 5 ppm</td></tr><tr><td>Cd (ppm)</td><td>< 5 ppm</td><td>La (ppm)</td><td>< 25 ppm</td><td>Rb (ppm)</td><td>< 5 ppm</td><td>Ti (ppm)</td><td>< 5 ppm</td></tr><tr><td>Ce (ppm)</td><td>< 25 ppm</td><td>Mg (ppm)</td><td>< 2000 ppm</td><td>S (ppm)</td><td>< 50 ppm</td><td>V (ppm)</td><td>< 5 ppm</td></tr><tr><td>Cl (ppm)</td><td>< 50 ppm</td><td>Mn (ppm)</td><td>< 25 ppm</td><td>Sb (ppm)</td><td>< 5 ppm</td><td>Y (ppm)</td><td>< 5 ppm</td></tr><tr><td>Co (ppm)</td><td>< 10 ppm</td><td>Mo (ppm)</td><td>< 5 ppm</td><td>Sc (ppm)</td><td>< 10 ppm</td><td>Zn (ppm)</td><td>< 5 ppm</td></tr><tr><td>Cr (ppm)</td><td>< 5 ppm</td><td>Nb (ppm)</td><td>< 5 ppm</td><td>Se (ppm)</td><td>< 5 ppm</td><td>Zr (ppm)</td><td>< 5 ppm</td></tr></table>	Element	Detection limit	Element	Detection limit	Element	Detection limit	Element	Detection limit	Ag (ppm)	< 5 ppm	Cs (ppm)	< 10 ppm	Nd (ppm)	< 50 ppm	Si (ppm)	< 300 ppm	Al (ppm)	< 300 ppm	Cu (ppm)	< 5 ppm	Ni (ppm)	< 5 ppm	Sn (ppm)	< 5 ppm	As (ppm)	< 5 ppm	Fe (ppm)	< 25 ppm	P (ppm)	< 300 ppm	Sr (ppm)	< 5 ppm	Ba (ppm)	< 10 ppm	Hg (ppm)	< 5 ppm	Pb (ppm)	< 5 ppm	Te (ppm)	< 5 ppm	Ca (ppm)	< 10 ppm	K (ppm)	< 25 ppm	Pr (ppm)	< 25 ppm	Th (ppm)	< 5 ppm	Cd (ppm)	< 5 ppm	La (ppm)	< 25 ppm	Rb (ppm)	< 5 ppm	Ti (ppm)	< 5 ppm	Ce (ppm)	< 25 ppm	Mg (ppm)	< 2000 ppm	S (ppm)	< 50 ppm	V (ppm)	< 5 ppm	Cl (ppm)	< 50 ppm	Mn (ppm)	< 25 ppm	Sb (ppm)	< 5 ppm	Y (ppm)	< 5 ppm	Co (ppm)	< 10 ppm	Mo (ppm)	< 5 ppm	Sc (ppm)	< 10 ppm	Zn (ppm)	< 5 ppm	Cr (ppm)	< 5 ppm	Nb (ppm)	< 5 ppm	Se (ppm)	< 5 ppm	Zr (ppm)	< 5 ppm
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Verification of sampling and assaying	- The verification of significant intersections by either independent or alternative company personnel. - The use of twinned holes. - Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols. - Discuss any adjustment to assay data.	- Reported intersections are calculated by professional geologists in Australia and validated by a senior geologist in Ecuador. - Original laboratory data files in CSV and locked PDF formats are stored together with the merged data. - All drilling, and surface data are stored in a self-validating MX Deposit geological database. - No adjustment to data is made in the reported results - All surveyed data is collected and stored in WGS84 datum.																																																																																								
Location of data points	- Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation. - Specification of the grid system used - Quality and adequacy of topographic control.	- Reported trench and channel samples are located with an RTK GPS survey unit with sub-centimetre reporting for the purpose of improved confidence in resource estimation work. - All surveyed data is collected and stored in WGS84 datum. - Topographic control is ground survey quality and reconciled against Drone platform survey data with 1m pixel resolution. Assessed to be adequate for the purpose of resource estimation. - Soil samples were located using a GPS - Grid system used for all undertakings at the Dynasty Project is WGS84 Zone 17 South																																																																																								

Criteria	JORC Code Explanation	Commentary
Data spacing and distribution	<i>Data spacing for reporting of Exploration Results.</i> <i>Whether the data spacing, and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.</i> <i>Whether sample compositing has been applied.</i>	- Reported channel and trench sampling is collected on 1m to 2m spacing depending on resolution of geological and structural information deemed necessary by the geology team. - Data spacing is anticipated to support mineral resource estimation for the indicated and inferred categories, with data spacing and distribution for higher confidence resource estimation categories to be defined with further drilling, modelling and geostatistical analysis work. - Data spacing for reported rock chip samples was on an irregular/ ad hoc basis, with samples taken at the geologists' discretion as part of their surface mapping activities - Data spacing for reported soil sampling geochemical results was on a 200m x 50m spacing and in some areas down to an infill grid of 50m x 50m spacing. - No Sample compositing has been applied in reported exploration results.
Orientation of data in relation to geological structure	<i>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</i> <i>If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.</i>	- The orientation of trenching and channel sampling is perpendicular to mapped orientation of primary vein and porphyry target observed in outcrop where possible. - The true thickness of intercepts will be accounted for following structural analysis and 3D modelling of veins. All results in relation to this report are trench thickness and should not be interpreted as true thickness. - Rock chip samples may have been taken along the length of mineralised vein structures, so bias may be introduced. However, rock chip sample results are used for exploration targeting purposes and will not be considered for resource estimation purposes. - No bias is considered to have been introduced by the soil sampling orientation, as the soil samples were taken on a systematic grid spacing, considered to be perpendicular to, and appropriate for, the style of mineralisation.
Sample security	<i>The measures taken to ensure sample security.</i>	Samples were collected by Titan Minerals geologists and field technicians and held in a secure yard prior to shipment for laboratory analysis. Samples are enclosed in polyweave sacks for delivery to the lab and weighed individually prior to shipment and upon arrival at the lab. Sample shipment is completed through a commercial transport company with closed stowage area for transport.
Audits or reviews	<i>The results of any audits or reviews of sampling techniques and data.</i>	No audits or reviews of reported data completed outside of standard checks on inserted QAQC sampling.

Section 2 - Reporting of Exploration Results

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	- Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings. - The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.	- Titan Minerals Ltd, through its indirect wholly owned Ecuadorian subsidiaries, holds a portfolio of exploration properties in the Loja Province of Ecuador. Amongst these, Titan holds a 100% interest in the Pilo 9, Zar, Zar 1, Zar 3A and Cecilia 1 concessions forming the Dynasty Project and totalling an area of 13,909 hectares. - Mineral concessions in Ecuador are subject to government royalty, the amount of which varies from 3% to 4% depending on scale of operations and for large scale operations (>1,000tpd underground or >3,000tpd open pit) is subject to negotiation of a mineral/mining agreement. - Pilo 9, Zar and Zar 1 are subject to a 3% royalty payable to the Ecuador Government as part of the Small Scale Mine Licensing regime currently issued in favour of the Dynasty Gold Project but may be subject to change in the event economic studies after exploration indicate a need to apply for a change of regime. - Concessions, Zar 3A and Cecilia 1 have not yet completed the environmental permitting process and require the grant of an Environmental Authorisation. - Mineral concessions require the holder to (i) pay an annual conservation fee per hectare, (ii) provide an annual environmental update report for the concessions including details of the environmental protection works program to be followed for the following year. These works do not need approval; and (iii) an annual report on the previous year's exploration and production activity. Mineral Concessions are renewable by the Ecuadorian Ministry of Oil, Mining and Energy in accordance with the Mining Law on such terms and conditions as defined in the Mining Law.
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	- Dynasty Gold Project Exploration done by other parties set out in further detail in the Titan ASX release dated 19 May 2020, and summarised below: 1977, the Spanish-Ecuadorian joint venture company, Enadimsa, claimed 1,350ha in the La Zanja (Cerro Verde) area for exploration - no results included in reporting. - During the 1970s the United Nations explored the "Curiplaya" area, 2 km east of the Dynasty Project. Copper and gold were detected in small quantities, data not included in reporting. 1991–92, BHP Exploration Ltd. covered the general area with concessions, but the tenements eventually lapsed after minimal work. 2001 to 2003, a private prospecting company, Ecuasaxon, undertook investigations in the general area and discovered anomalous gold and silver in quartz-sulphide veins in what is now the concession area. 2003 until 2007 Dynasty Mining and Metals (later Core Gold) completed mapping, limited ground geophysical surveys and exploration sampling activity including 201 drill holes totalling 26,733.5m and 2,033 rock channel samples were taken from 1,161 surface trenches at Cerro Verde, Iguana Este, Trapichillo and Papayal in support of a maiden resource estimation. 2008 to 2009, the Ecuadorian Government introduced an exploration moratorium, where on April 18, 2008,

Criteria	JORC Code explanation	Commentary
		Ecuador's Constitutional Assembly passed a Constituent Mandate resolution (the "Mining Mandate"), which provided, among other provisions, for the suspension of mineral exploration activities for 180 days, or until a new Mining Act was approved. The Mining Act was published in late January 2009. The mining regulations to supplement and provide rules which govern the Mining Act were issued in November 2009, after which time the Mining Act and Regulations (collectively, the "Mining Law") were enacted. 2017 to 2020 Core Gold Inc. (formerly Dynasty Mining and Metals) commenced small scale mining on a small portion of the Dynasty Project. Operations exposed a number of veins of the Canadian NI 43-101 compliant resource estimate, and operations discovered several veins of varying orientations not previously identified in drill and trench exploration activities requiring further exploration activity to quantify.
Geology	<i>Deposit type, geological setting, and style of mineralisation.</i>	- Regionally, the Dynasty gold project lies within the compressional Inter-Andean Graben that is bounded by regional scale faults. The graben is composed of thick Oligocene to Miocene aged volcano- sedimentary sequences that cover the Chaucha, Amotape and Guamote terrains. This structural zone hosts several significant epithermal, porphyry, mesothermal, S-type granitoid, VHMS and ultramafic/ophiolite precious metal and base metal mineral deposits. - At the project scale, the intermediate volcanic hosted mineralised veins mainly occur along a faulted zone near and sub-parallel to the contact with the Cretaceous aged Tangula Batholith that extends north from Peru and is found outcropping in the east and south of the concessions. - Porphyry intrusion style mineralisation hosting gold and copper mineralisation has also been mapped and intersected by drilling by at the Kaliman porphyry within the Dynasty Project area. - Gold occurs in its native form along with sulphides, including pyrite, sphalerite, galena, arsenopyrite, marcasite, chalcopyrite and bornite.
Drill hole Information	<i>A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes:</i> <i>easting and northing of the drill hole collar</i> <i>elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar</i> <i>dip and azimuth of the hole</i> <i>down hole length and interception depth</i>	- No new drilling included in the body of this report. - Trench information is included for all reported significant trench results.

Criteria	JORC Code explanation	Commentary
	○ hole length. • If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.	
Data aggregation methods	• In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g., cutting of high grades) and cut-off grades are usually Material and should be stated Where aggregate intercepts incorporate short lengths of high-grade results and longer lengths of low-grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail. • The assumptions used for any reporting of metal equivalent values should be clearly stated.	• No high-grade assay cut was applied to reported gold results. In the case of silver, the initial upper detection limit of the four-acid digest used is 100ppm, and an overlimit analysis method with an upper detection limit of 1,500ppm is used. • Lower cut-off for reported significant intercepts is nominally 0.5 g/t Au with up to 4m of internal dilution (results with <0.1g/t Au or un-sampled intervals where null values are taken as a zero-gold grade in calculating significant intercepts) are allowed within a reported intercept. • No metal equivalent reporting is applicable to this announcement
Relationship between mineralisation widths and intercept lengths	• These relationships are particularly important in the reporting of Exploration Results. • If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported. • If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (e.g., 'down hole length, true width not known').	• Reported intersections are measured sample lengths. Reported trench and channel intersections are of unknown true width, further drilling and modelling of results is required to confirm the projected dip(s) of mineralised zones. • Reported intercepts are drilled thickness and should not be interpreted as true thickness unless otherwise indicated.
Diagrams	• Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant	• Included in body of report as deemed appropriate by the competent person

Criteria	JORC Code explanation	Commentary
	<i>discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.</i>	
Balanced reporting	Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced avoiding misleading reporting of Exploration Results.	- All material exploration results for surface geochemistry are included in the appendices of this report, and location of all results are included in figures provided in their entirety. - All results above 0.2g/t Au are included when reporting high grade vein hosted gold mineralisation. No upper cut-off has been applied.
Other substantive exploration data	Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.	- No other available datasets are considered relevant to reported exploration results. Historical exploration results include orientation studies for ground magnetics, IP Geophysics, and soil sampling grids, however each of these surveys are limited in scale relative to the project and are not considered material to assess potential of the larger project area. - Bulk density tests have been completed on areas related to the reported exploration results.
Further work	- The nature and scale of planned further work (e.g., tests for lateral extensions or depth extensions or large-scale step-out drilling). - Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.	- Additional mapping, trenching and drilling is planned to better define structural controls on mineralisation and assess open ended mineralisation on multiple mineralised corridors within the project area. Further mapping and sampling are to be conducted along strike of reported work to refine and prioritise targets for drill testing. - Included in body of report as deemed appropriate by the competent person.