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Targeting Gold Growth & Copper Discovery

Investor Presentation | February 2025

ASX: TTM



[TITANMINERALS.COM.AU](https://titanminerals.com.au)

Disclaimer and Forward-Looking Statements

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.

Dynasty Project	Indicated					Inferred					Total				
	Tonnes (M)	Grade (g/t)		Contained Metal (Moz)		Tonnes (M)	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.

COPPER EQUIVALENT (CU EQ) VALUES – REQUIREMENTS UNDER THE JORC CODE

Assumed commodity prices for the calculation of Copper Equivalent (Cu Eq) is Cu US\$3.00/lb, Au US\$1,700/oz, Mo US\$14/lb and Ag US\$20/oz. Recoveries are assumed from similar deposits: Cu = 85%, Au = 65%, Ag = 65%, Mo = 80%. Cu Eq (%) was calculated using the following formula: $((Cu\% \times Cu \text{ price } 1\% \text{ per tonne} \times Cu \text{ recovery}) + (Au(g/t) \times Au \text{ price per g/t} \times Au \text{ recovery}) + (Mo \text{ ppm} \times Mo \text{ price per g/t} \times Mo \text{ recovery}) + Ag \text{ ppm} \times Ag \text{ price per g/t} \times Ag \text{ recovery})) / (Cu \text{ price } 1\% \text{ per tonne} \times Cu \text{ recovery})$. Cu Eq (%) = Cu (%) + $(0.54 \times Au (g/t)) + (0.00037 \times Mo (ppm)) + (0.0063 \times Ag (ppm))$. TTM confirms that it is the Company's opinion that all the elements included in the metal equivalents calculation have a reasonable potential to be recovered and sold.

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AUTHORISATION

Released with the authority of the board of Titan Minerals Ltd.



Investment Highlights

Near-term gold developer & copper explorer with strong funding

Emerging Gold-Silver Developer- targeting +5Moz gold resource



3.1Moz Gold & 22Moz Silver resource established
10,000m drilling program underway targeting resource growth

JV Partner Secured for Linderos Copper Project



Hancock Prospecting to spend up to US\$120M to acquire 80% **look through value of A\$220M** (100% basis)
10,000m drilling campaign underway to earn 25%

First Mover Advantage with Optionality



World class copper-gold project portfolio in highly prospective, under-explored Andean Copper Belt

Emerging Tier 1 Mining Jurisdiction

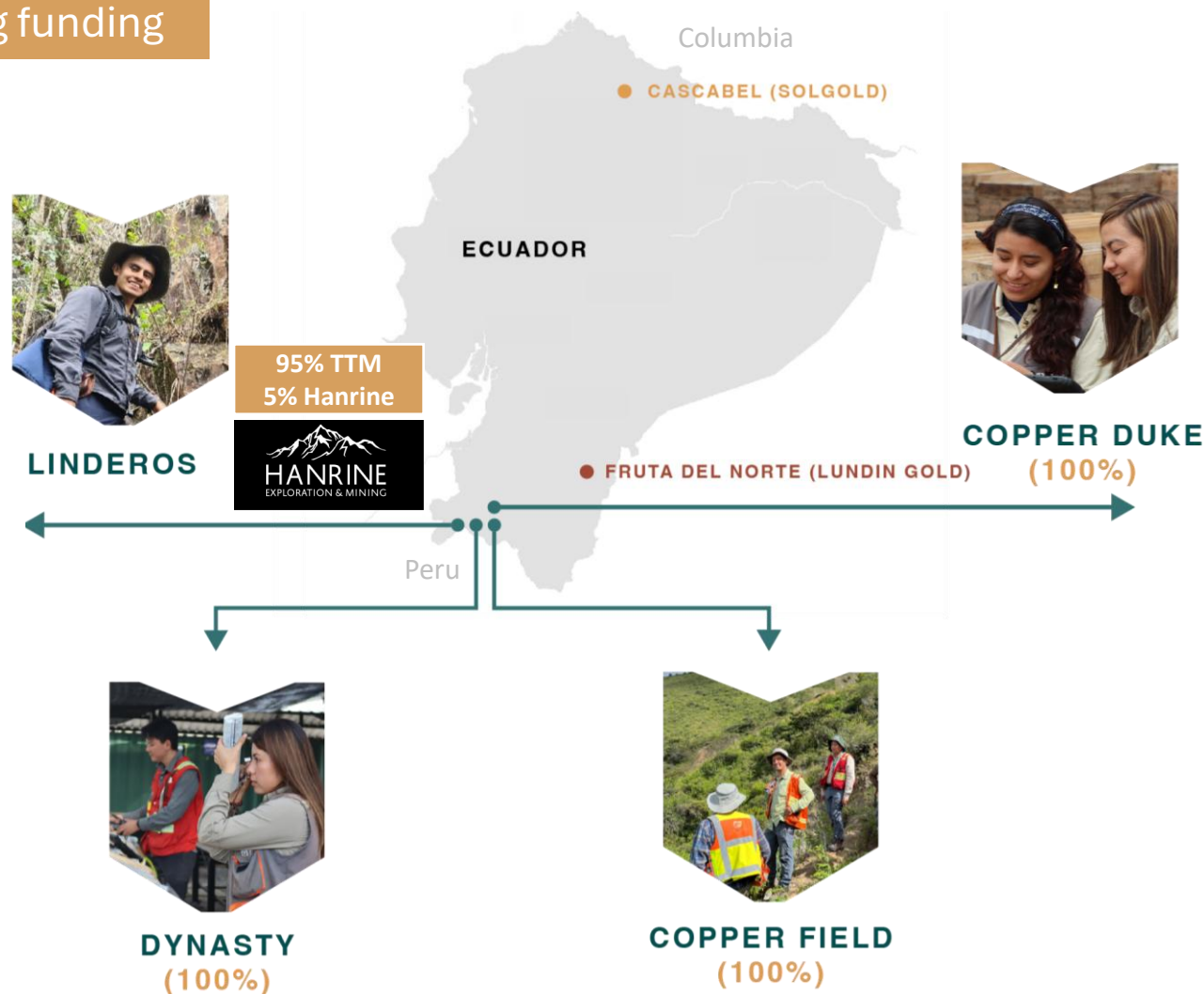


Ecuadorian government supportive of mining, with significant support and fiscal incentives

Management with Proven Capability



Experienced board and capability to deliver value through discovery and development across **multiple projects**





Corporate Snapshot

Strong balance sheet provides clear pathway for growth and development

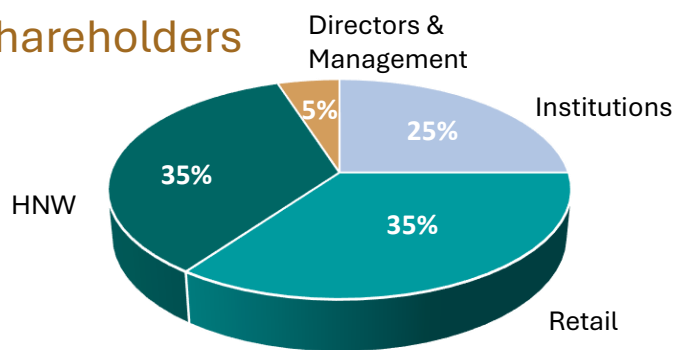
Capital Structure (AUD)

ASX	TTM
Share Price	\$0.45
Shares on Issue	260 M
Options	17.3 M @ \$0.70, exp 31 Jan 27
Market Cap	\$110M \$125M (fully dilute)
52 week low/ high	\$0.17/\$0.63
Average volume (90 days)	450K
Cash	\$18.8M at 31 Dec 2024 +\$4.9M at 7 Feb 2025, from issue of New Shares (conversion of \$0.35 options)

Share Price



Shareholders



- **Strong institutional backing**
- **74 % held by Top 20 shareholders**

One of the best performing ASX junior explorers in 2024



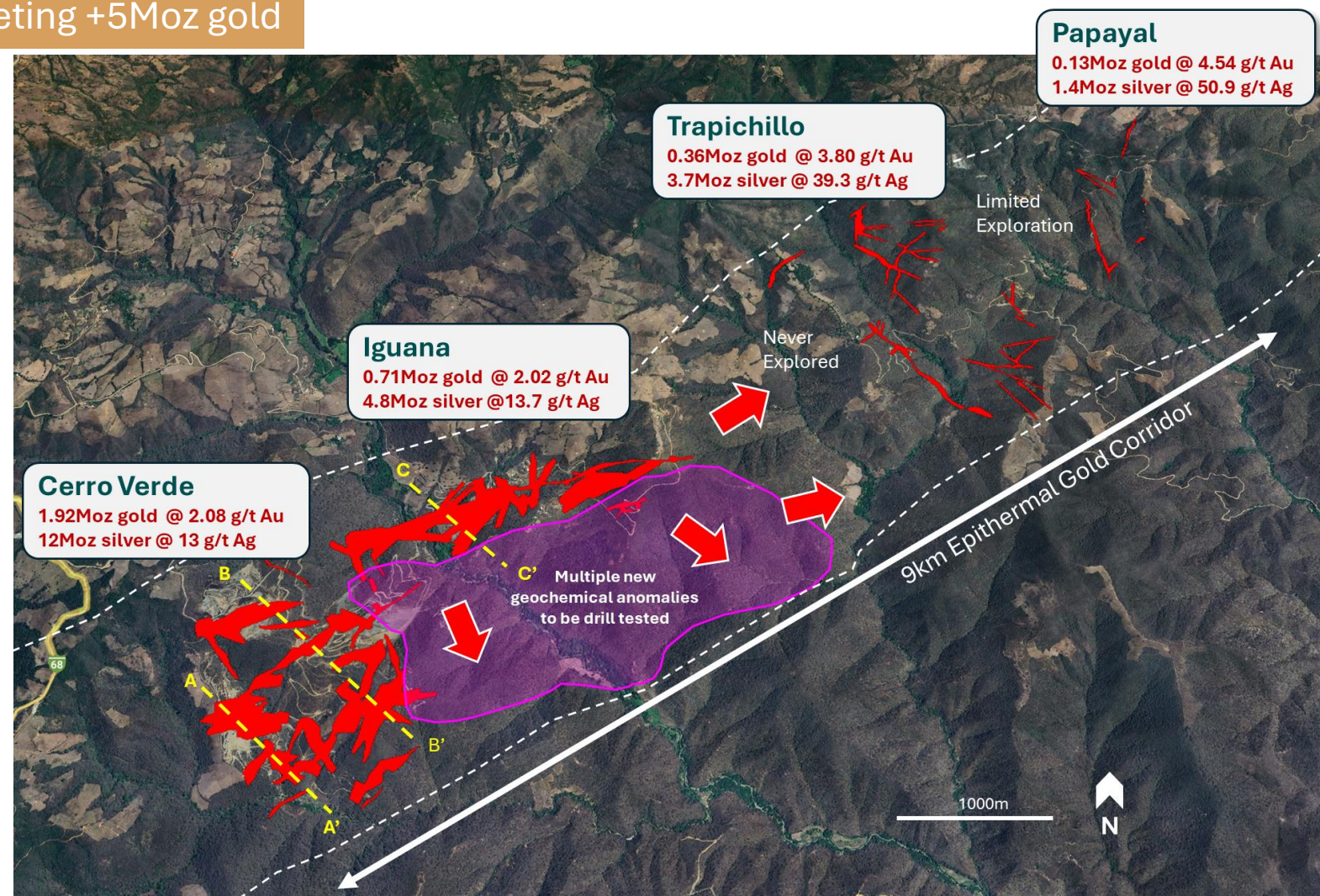
Dynasty Gold Project

3.1Moz gold resource established, targeting +5Moz gold

- 9km epithermal gold corridor hosting substantial resource of **3.12Moz gold** and **22Moz silver @ 2.23g/t Au, 15.7g/t Ag*** from surface (reported > 0.5 g/t Au)
- High-grade resources of **2Moz gold** and **13Moz silver @ 3.8 g/t Au, 24g/t Ag** (reported > 2.0 g/t Au)
- +50% resources (1.6Moz)** in top 100m, **+80% resources (2.5Moz)** in top 200m
- 39% Indicated, 61% Inferred
- Entire 9km system proven to be mineralised, but less than half drilled!

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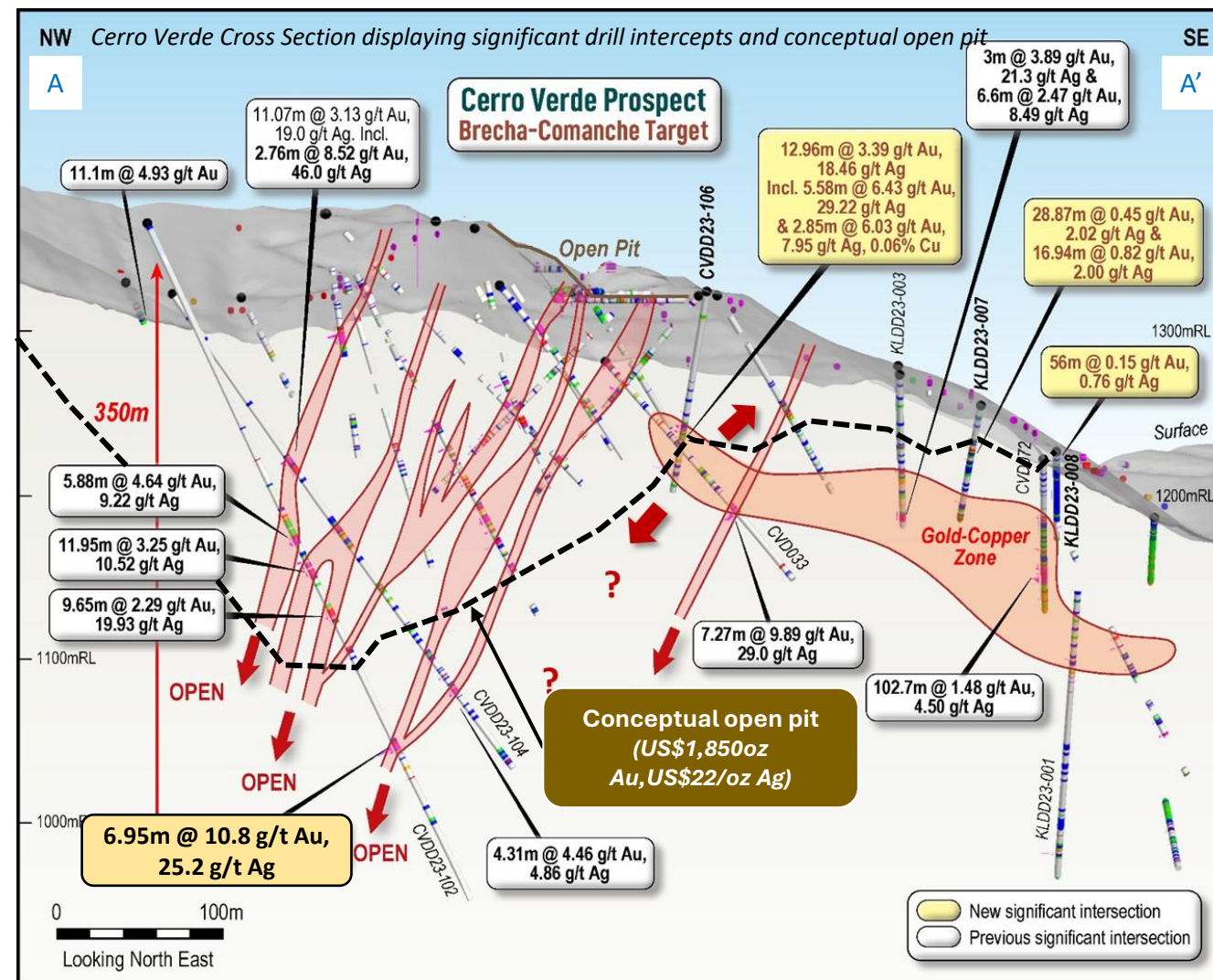
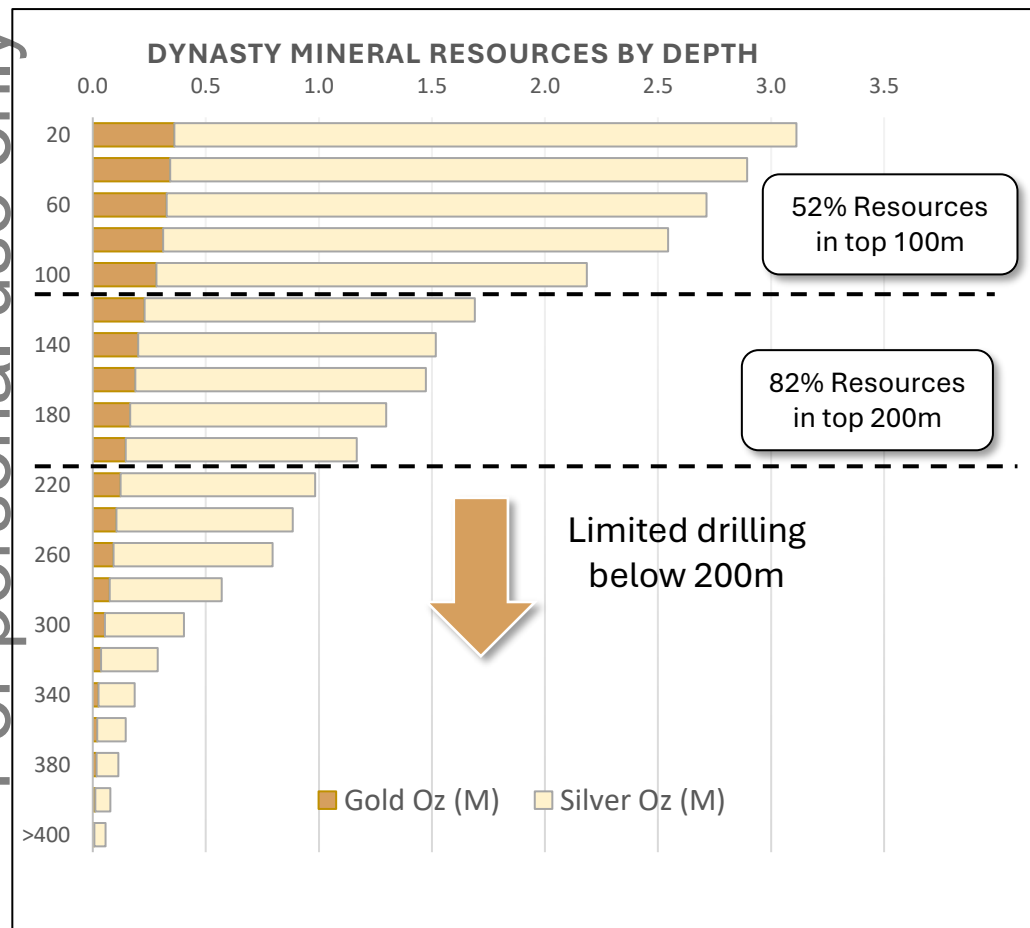
Classification	Tonnes	Grade (g/t)		Contained Ounces (Million)	
	(Million)	Gold	Silver	Gold	Silver
Indicated	18.1	2.09	14.7	1.2	8.6
Inferred	25.4	2.33	16.4	1.9	13.4
Total	43.5	2.23	15.7	3.1	22.0



Dynasty Gold Project

Strong potential to grow resources at depth

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Dynasty Gold Project

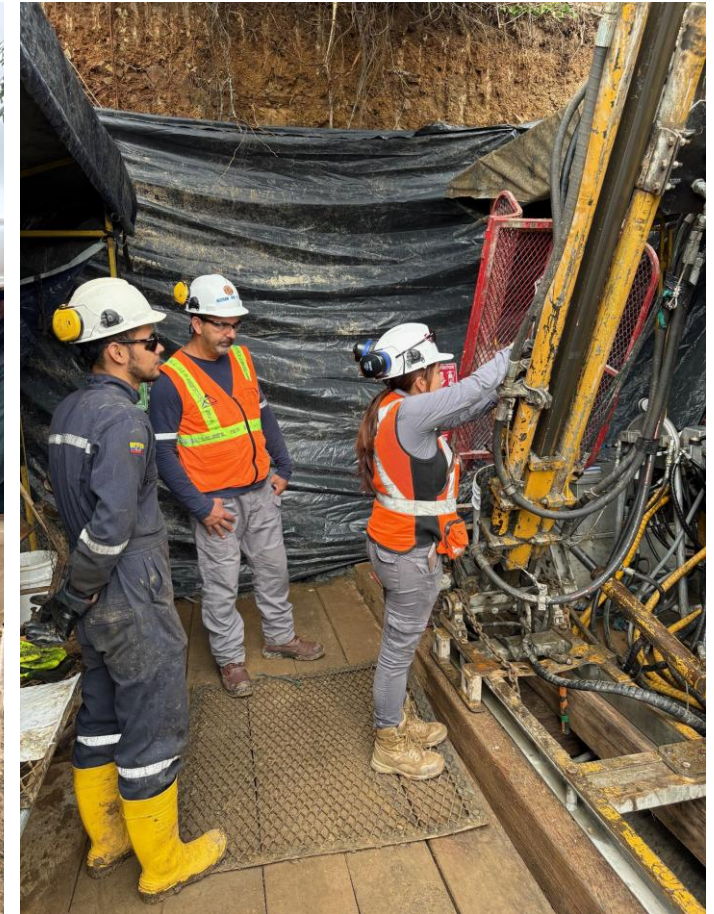
Resource growth drilling underway

10,000m drilling campaign underway to test:

- **Resource extensions** - Cerro Verde and Iguana
- **Multiple exciting targets** revealed by surface geochemistry and confirmed by mapping, rock chips and trenches
- **Resource upgrade/** conversion through improved geological confidence

Steady flow of drill results expected in the coming months ahead

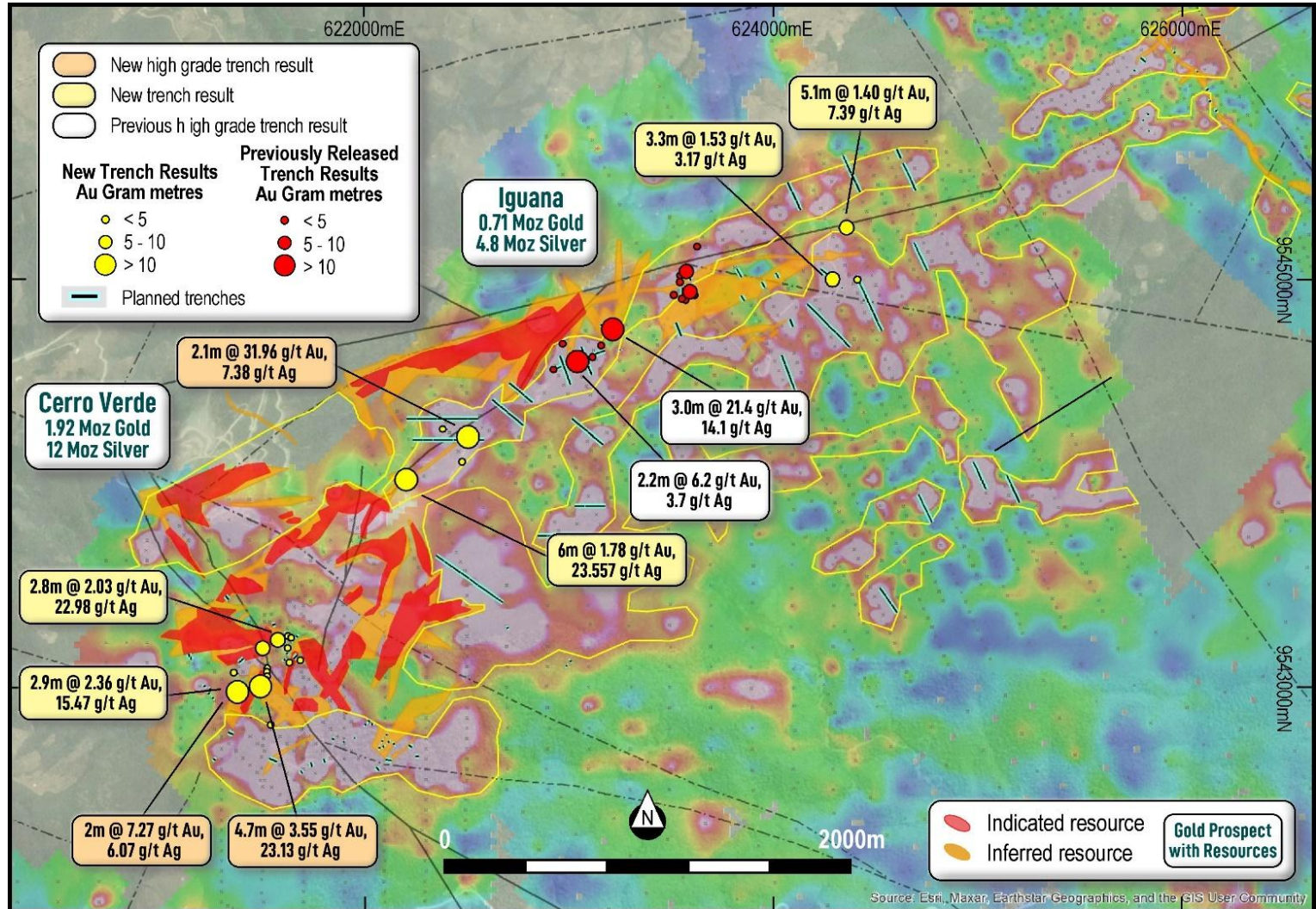
- **Resource update targeted for mid-2025**



Dynasty Gold Project

Gold footprint continues to grow

- Soil geochemistry has highlighted **Dynasty mineralisation footprint to be much larger** than area of current drill defined resources
- Trenching over new geochemical anomalies has provided **confirmation of mineralisation** with significant results in new areas including:
 - 3.0m @ 21.4 g/t Au at Iguana
 - 2.1m @ 32.0 g/t Au at Cerro Verde
- Trenching and mapping is continuing across new target areas, with results to inform exploration drilling

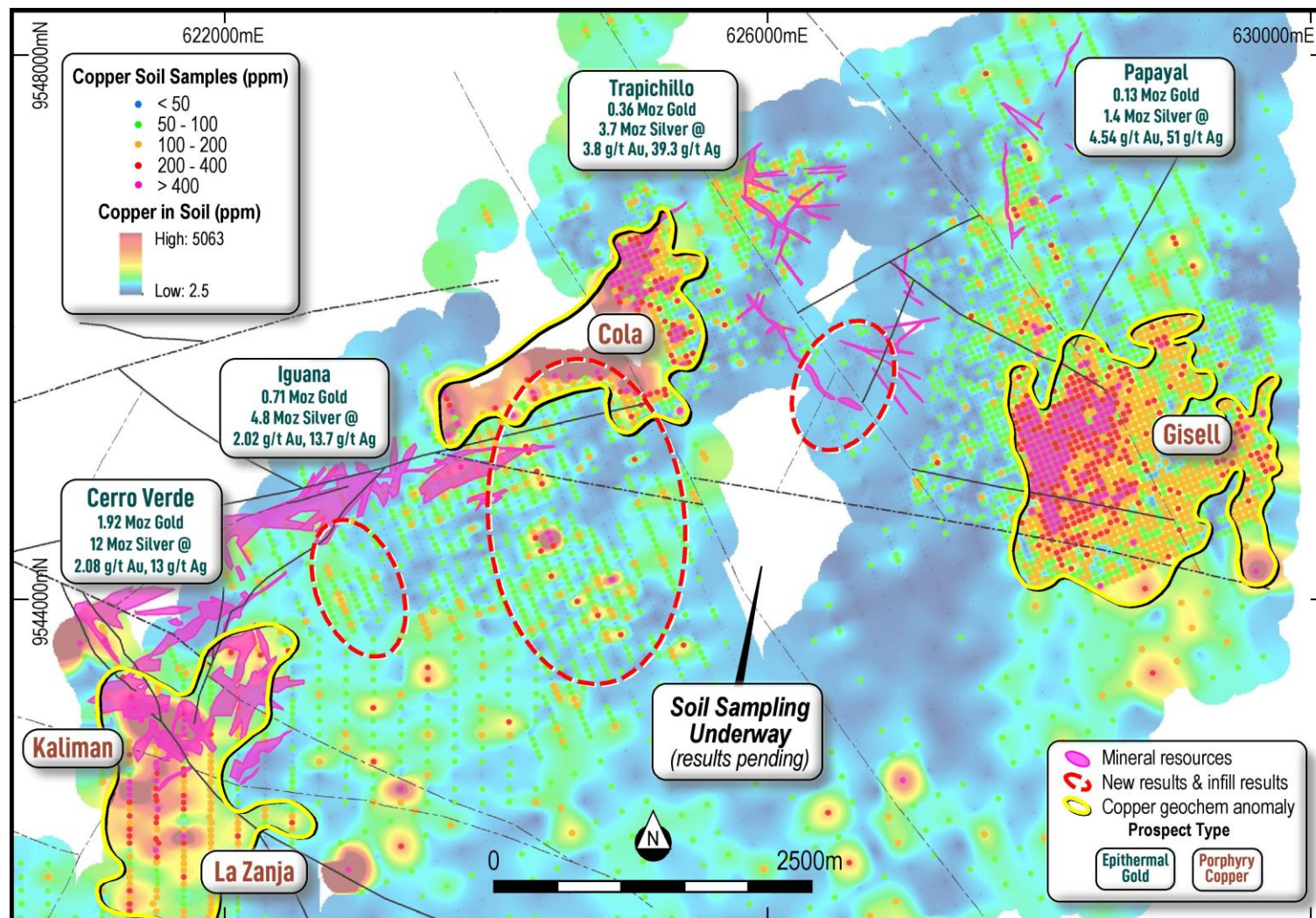


Substantial potential for further gold mineralisation highlighted outside of current resource

Dynasty Gold Project

New copper porphyry targets unveiled

- **Large-scale soil anomalies** have revealed several compelling **porphyry copper targets**
- Mapping has confirmed porphyry style veining with copper oxide and iron oxide mineralisation at surface
- Cola target exhibits secondary chalcocite enrichment along fractures with abundant disseminated pyrite
- Disseminated chalcopyrite is observed to be predominantly found within massive sulfide veins



Linderos Copper Project

Hancock Prospecting subsidiary to spend up to US\$120M to earn 80%

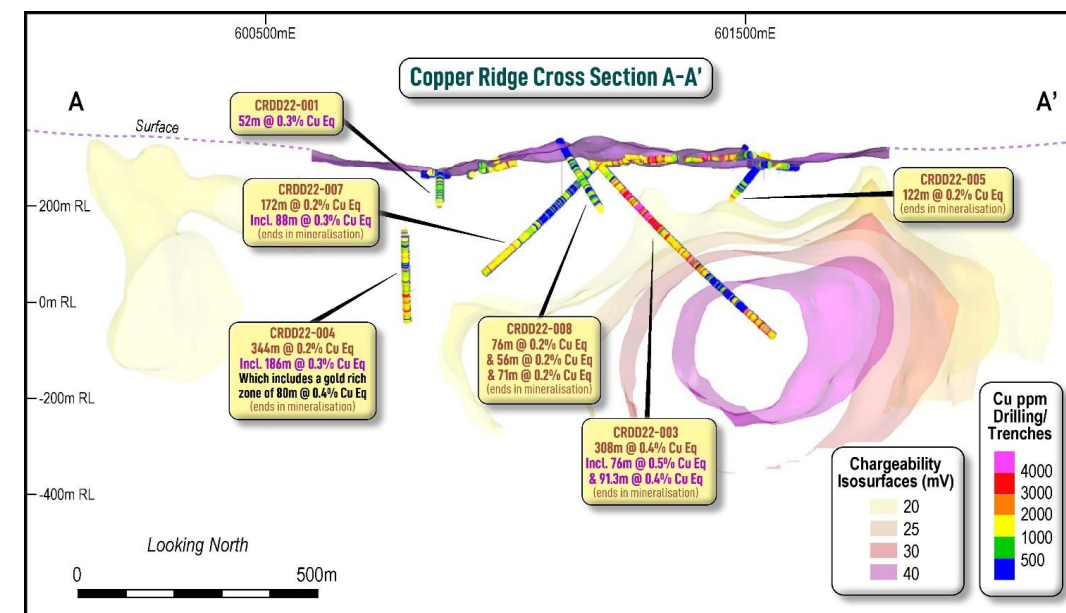


- Partner secured to explore and develop Linderos, Hanrine to earn 80% by spending up to US\$120M (A\$180M) or reaching Decision to Mine
- Titan free-carried until 80% earnt. If Titan elects not to contribute after 80% earned, if diluted < 10%, project ownership will revert to 2.7% NSR

	Commitment*		% Earned	% Earned (cumulative)	Earn-in Period (years)	Status
	Activities	Expenditure USD				
1	-	\$2M	5%	5%	0	COMPLETE
2	10,000m drilling	\$8M	25%	30%	3	UNDERWAY
3	15,000m drilling	\$12M	21%	51%	7	PENDING
4	Decision to Mine	\$120M	29%	80%	15	PENDING

- Hanrine managing and funding all exploration and development activities
- 10,000 drilling campaign underway with results due soon!

3D IP Chargeability Model

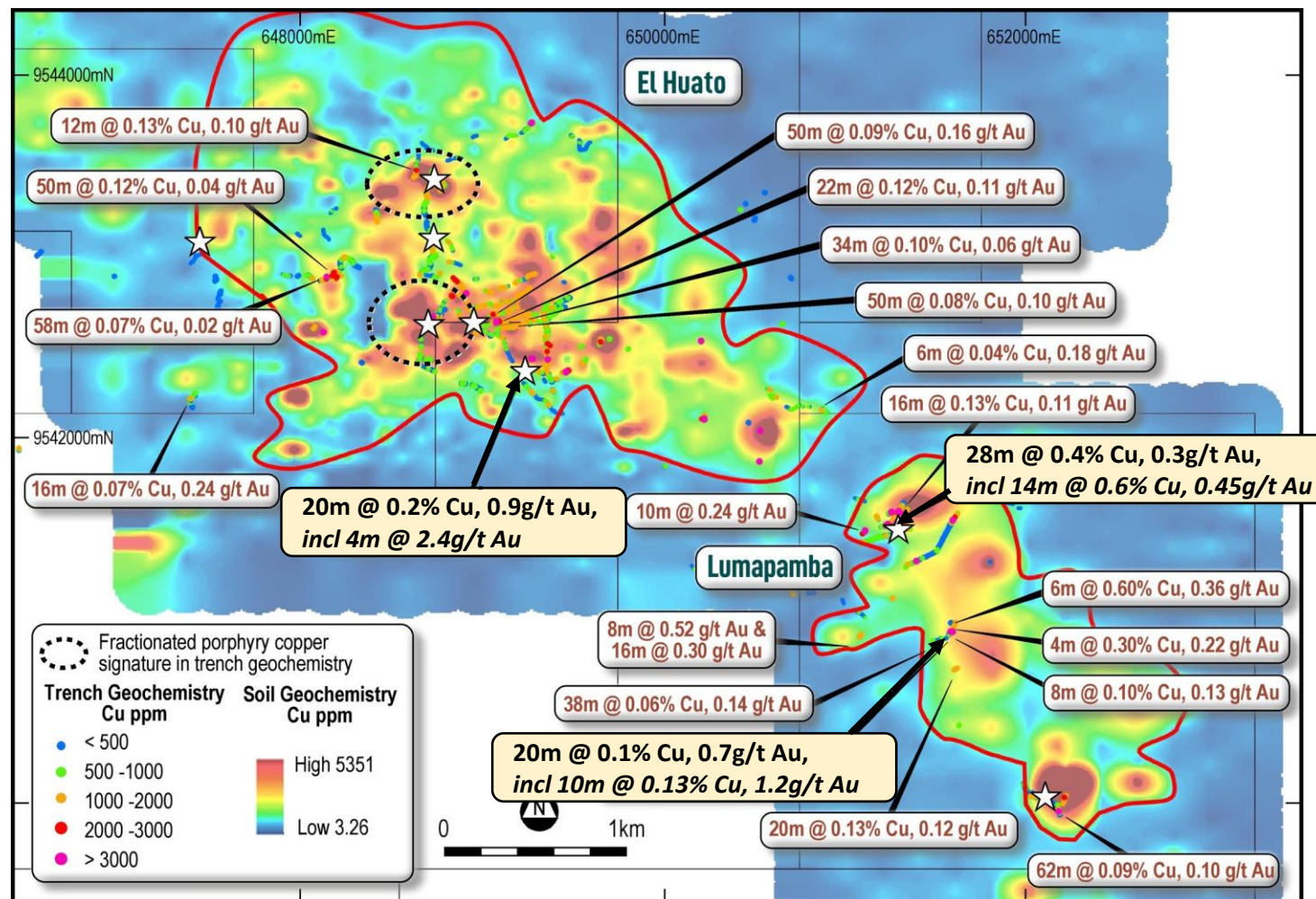


- +2km porphyry copper system confirmed by geophysics, mapping phyllic alteration beyond drill defined porphyry
- Most holes end in mineralisation- system remains open laterally and at depth

Copper Duke Project

Potential tier 1 porphyry copper discovery set to be unveiled

- **7km porphyry alteration footprint** highlighted by multiple datasets
- **Same magma type as global Tier 1 porphyry systems** and mineralisation the same age as **mega-porphyry copper deposits of Peru**
- **Multiple outcropping targets** – porphyry copper, breccia copper, skarn, intrusion related gold, and epithermal gold
- **High priority targets defined**, with drilling permits in place
- **Best technical experts** guiding exploration strategy



Copper Duke Project highlighting soil and trench sample geochemistry (Cu ppm)



Ecuador, Emerging Tier 1 Mining Jurisdiction

Investment in new jurisdictions to meet future metals demand

1. Highly Prospective, Underexplored

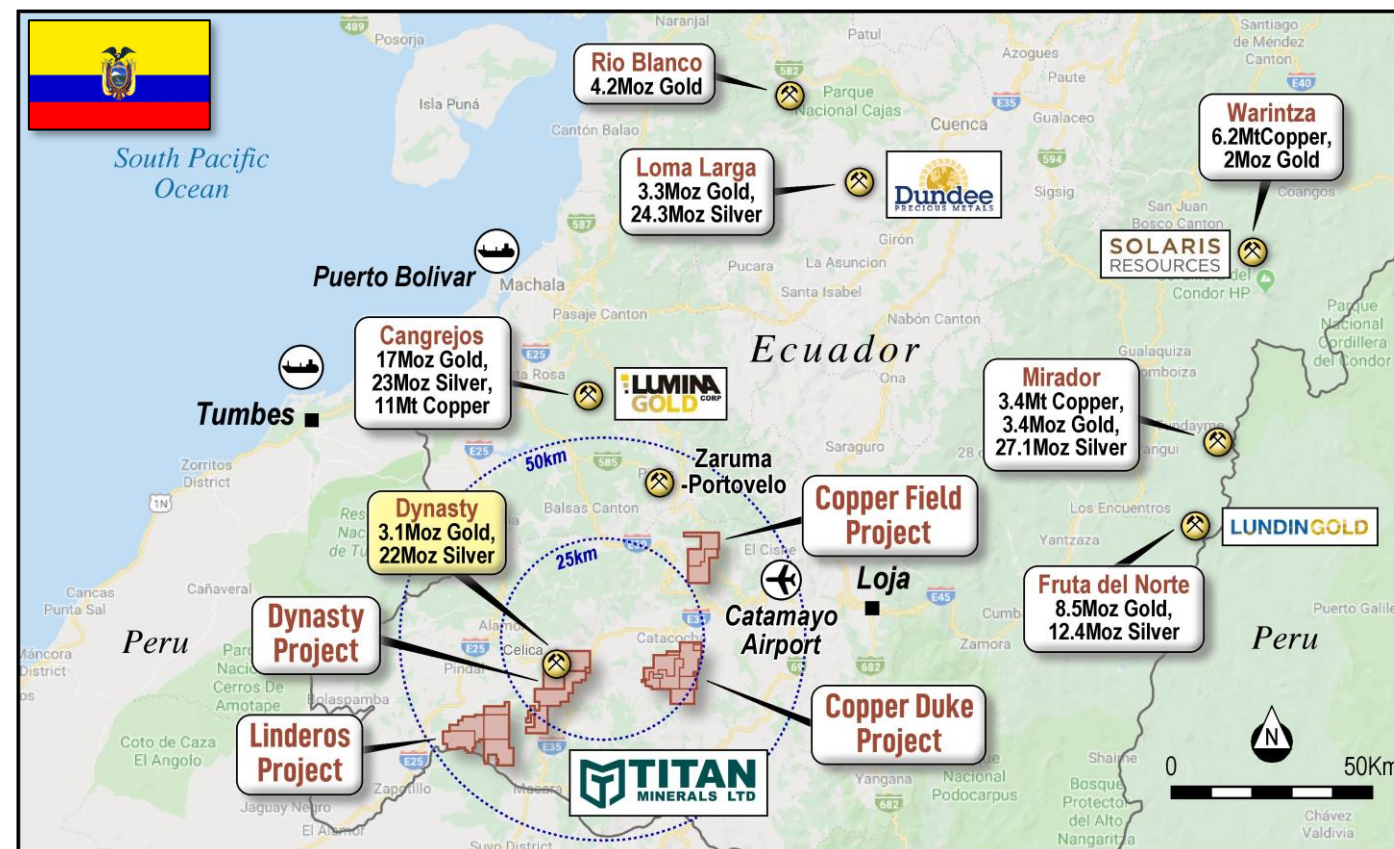
- Optionality and exposure to meaningful scale copper and gold in highly prospective Andean copper belt

2. Good Project Access & Infrastructure

- Low Elevation (~1,100m ASL)
- Exploration year-round
- Infrastructure Rich- hydropower, Pan-American Hwy and Coastal highway network
- Workforce ready

3. Strong Government Support

- Low tax rates, low inflation, fast permitting
- Mining contributes 1-2% GDP, targeting 10-12%
- Several advanced development copper and gold projects



LUNDINGOLD

SOLARIS
RESOURCES



BHP

BARRICK

LUMINA
GOLD CORP



Newmont



HANCOCK PROSPECTING





Board & Management Team

Right team assembled to add substantial value through discovery and development

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PETER COOK
NON-EXECUTIVE CHAIRMAN
Geologist & Mineral Economist

- +35 years' in exploration, mining and corporate management.
- Founded & served as Managing Director/ Chairman for many successful resource companies.



MATTHEW CARR
EXECUTIVE DIRECTOR
Entrepreneur & Project Developer

- Experienced company director, founder of Urban Capital Group, a PE firm with a focus on property backed investment and security.



BARRY BOURNE
NON-EXEC DIRECTOR
Geologist and Geophysicist

- Founder and Principal Consultant at Terra Resources, specialising in exploration targeting.
- Held senior and management roles with Barrick Gold and Homestake Gold.



MELANIE LEIGHTON
CHIEF EXECUTIVE OFFICER
Geologist & Business Master

- +20 years' experience in exploration, development and mining in precious & base metals.
- Considerable experience in LATAM and porphyry copper.
- Held management and senior roles with Hot Chili Ltd and Harmony Gold.



PABLO MORELLI
EXPLORATION MANAGER

- +20 years' experience in epithermal gold systems and copper-gold porphyry systems.
- Previous roles held with Barrick, Newmont, Kinross and Rio Tinto.
- Experience across Cretaceous, Palaeocene, Eocene-Oligocene and Miocene Belts of Chile and Mexico.



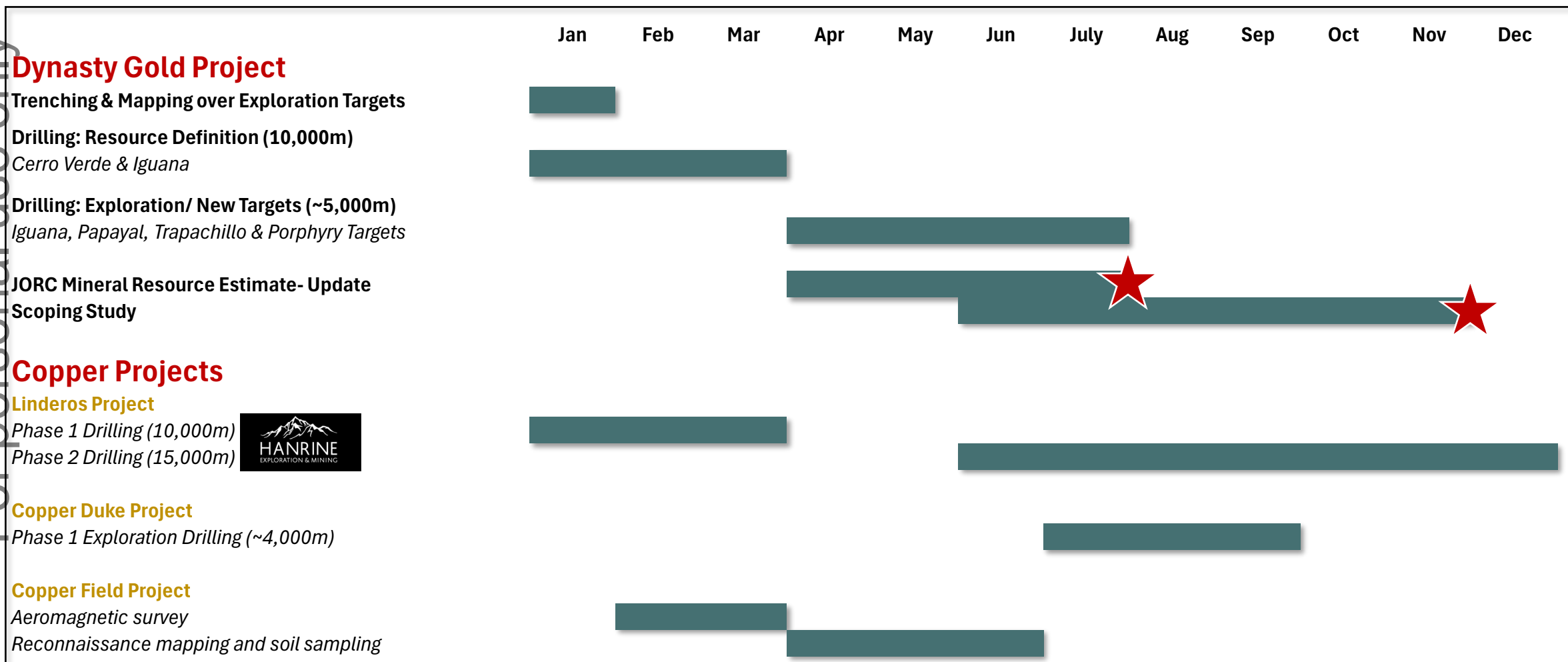
MICHAEL SKEAD
CHIEF TECHNICAL ADVISOR

- + 30 years' experience in exploration, development and mining.
- Former Director of Geoscience in Newmont's Global Projects Team and Former Director of Global Exploration for Goldcorp.
- Significant experience in emerging mining jurisdictions. Spent 1 year in Ecuador building out the team and systems.



2025- A Year of Transformation

Key deliverables- resource growth, derisking and discovery!

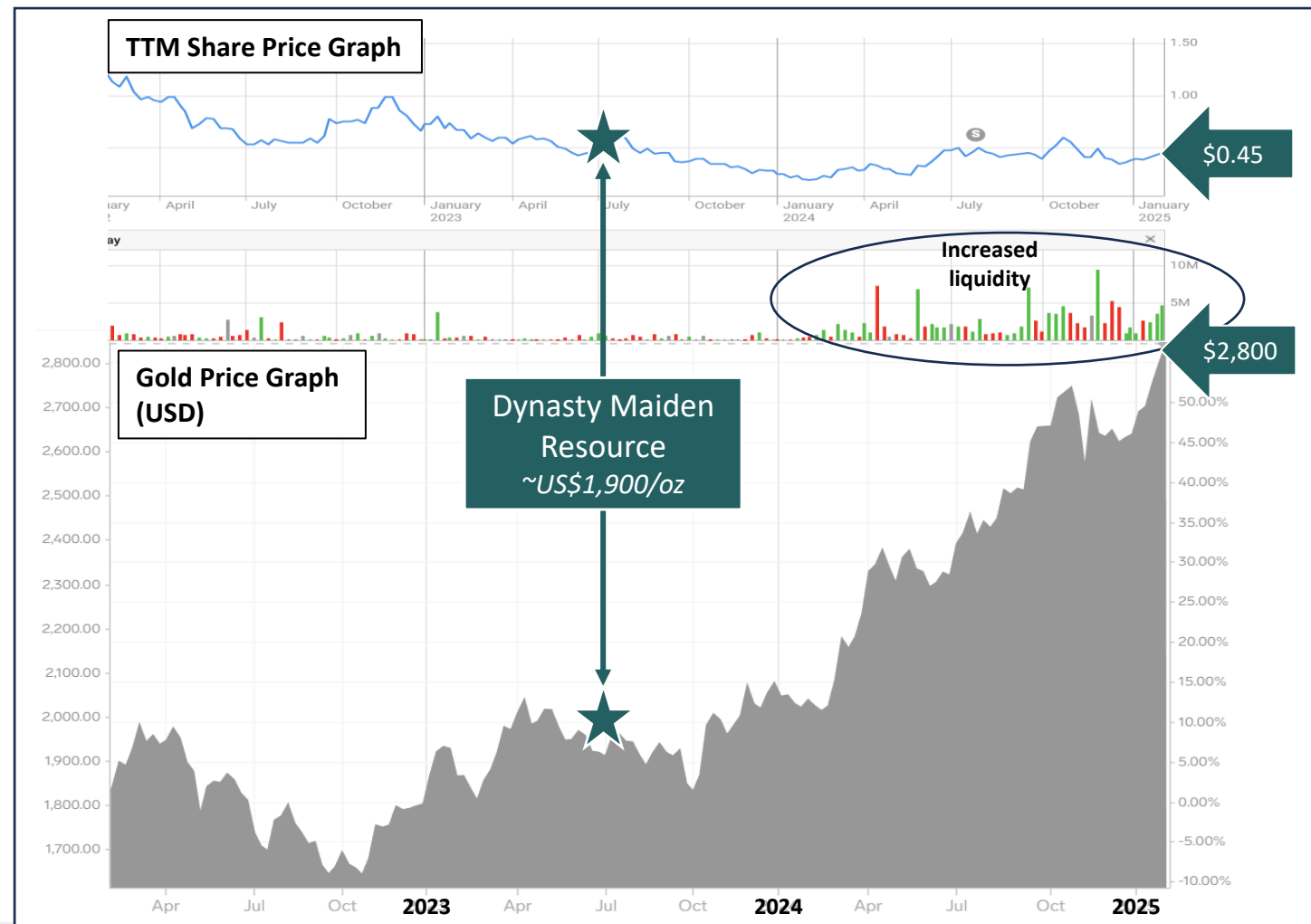




The Value Proposition

Titan, poised for a re-rate with strong funding in place and gold price at all time highs!

- EV for 3.1Moz Gold Resource is ~US\$22/oz gold
- EV for 22Moz Silver Resource is ~US\$0/oz silver
- Discovery cost ~US\$5/oz gold + US\$0/oz silver
- Gold and silver price at all time highs meaning in ground value is almost double that from July 2023 when the resource was published
- NO VALUE ASCRIBED to Hancock Prospecting JV Agreement which values 80% of Linderos Copper Project at US\$120M
- Potential for Tier 1 copper porphyry discovery!
- Significantly undervalued, and ready to deliver on key milestones in 2025





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