Significant Gold Growth & Exciting Copper Discovery

Investor Presentation | April 2025

ASX: TTM

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% x Cu price 1% per tonne x Cu recovery) + (Au(g/t) x Au price per g/t x Au recovery) + (Mo ppm x Mo price per g/t x Mo recovery) + Ag ppm x Ag price per g/t x Ag recovery)) / (Cu price 1% per tonne x Cu recovery). Cu Eq (%) = Cu (%) + (0.54 x Au (g/t)) + (0.00037 x Mo (ppm)) + (0.0063 x 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 with strong funding secured

Emerging Gold Developer- targeting +5Moz gold resource

3.1Moz Gold & 22Moz Silver resource established

JV Partner Hancock Prospecting to earn 80% of Linderos

Spending up to A$180M, value of A$220M *(100% basis)*

First Mover Advantage with Optionality

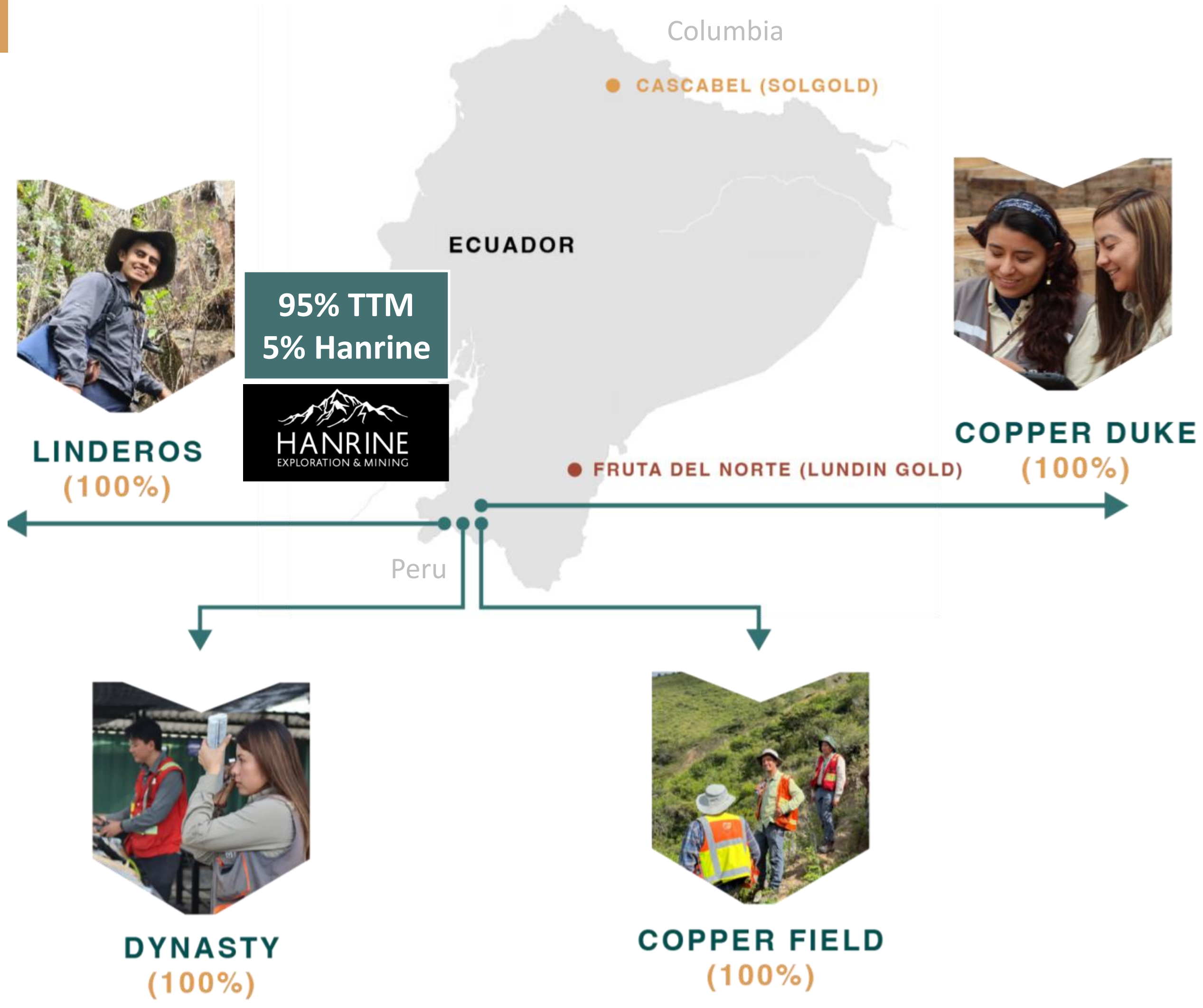
World class project portfolio in Andean copper belt

Emerging Tier 1 Mining Jurisdiction

Government supportive of mining, strong support and fiscal incentives

Management with Proven Capability

Experienced board and capability to deliver value through discovery and development



Corporate Snapshot

Strong balance sheet provides clear pathway for growth and development

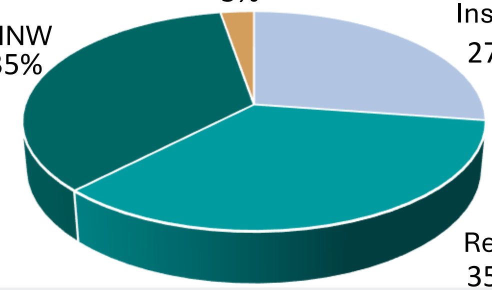
Capital Structure (AUD)

ASX	TTM
Share Price	$0.42
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	$0.24/$0.63
Average volume (90 days)	750K
Cash	$18.8M *at 31 Dec 2024*

- **Strong funding and institutional backing**
- **~70 % held by Top 20 shareholders**

Share Price *(12 months)*

Shareholders



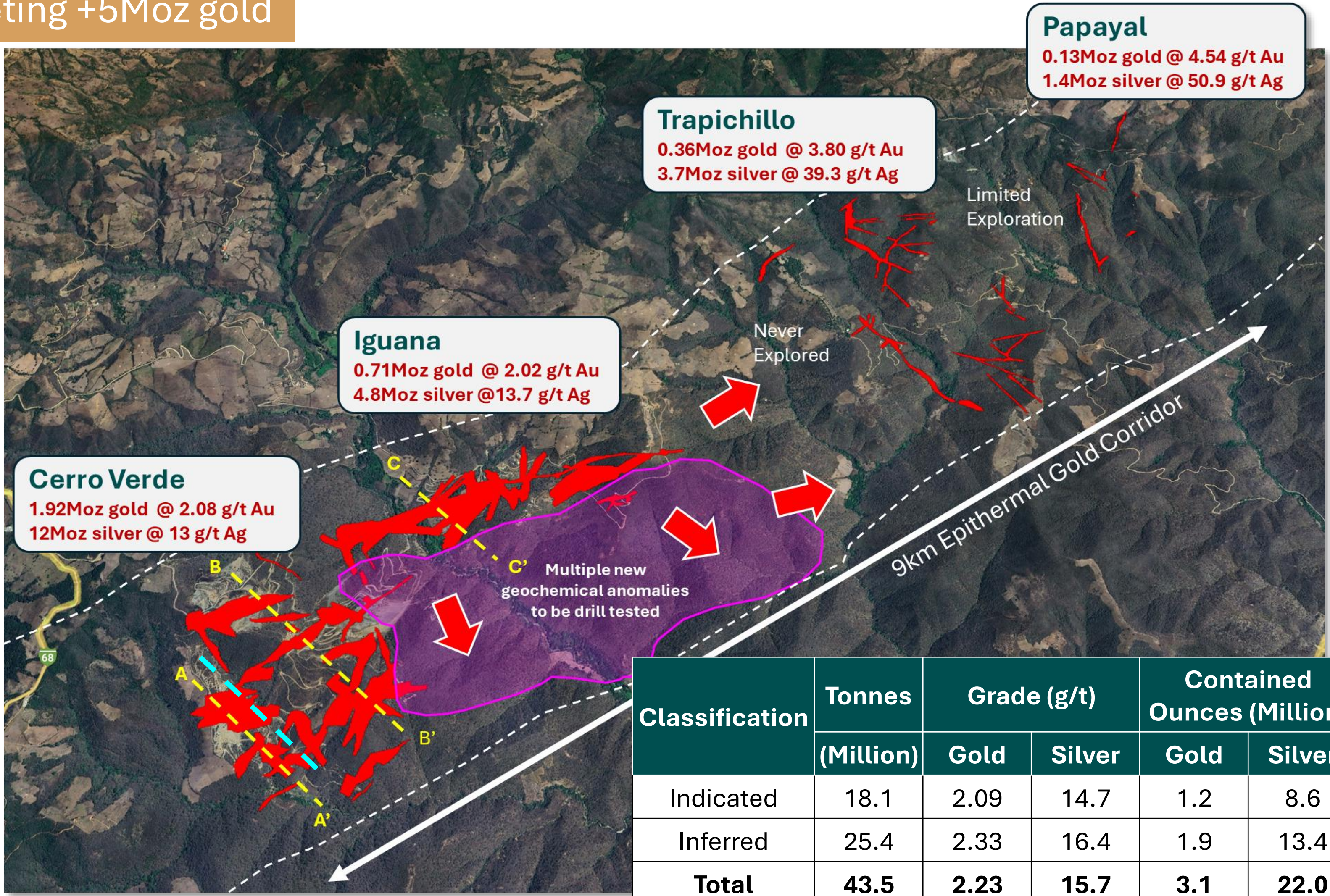
Research

Capital Markets
Canaccord Genuity
SCP EQUITY RESEARCH

Dynasty Gold Project

3.1Moz gold resource established, targeting +5Moz gold

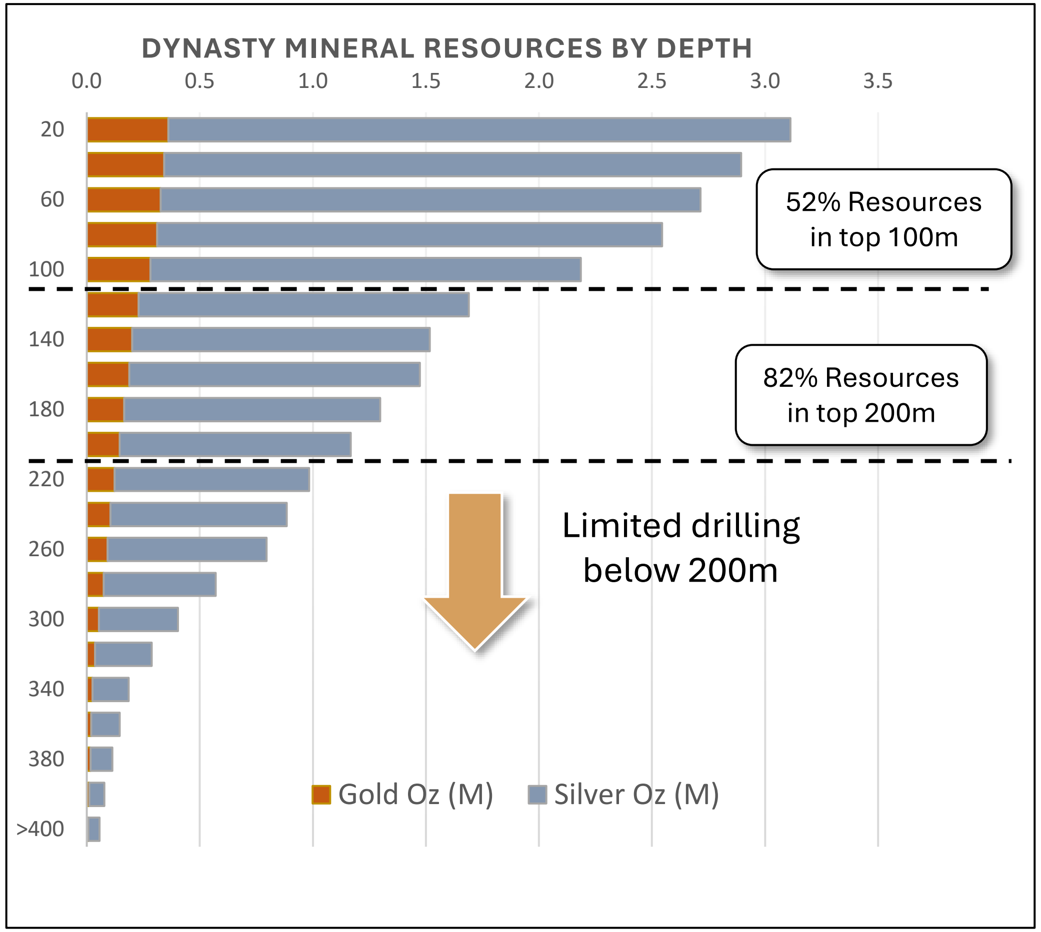
- 9km epithermal gold corridor hosting **3.1Moz gold and 22Moz silver @ 2.2 g/t Au, 15g/t Ag* from surface** *(> 0.5 g/t Au)*
- High-grade resources of **2Moz gold and 13Moz silver @ 3.8 g/t Au, 24g/t Ag** *(> 2.0 g/t Au)*
- **+50% resources** (**1.6Moz**) in top 100m
- **+80% resources** (**2.5Moz**) in top 200m
- 39% Indicated/ 61% Inferred
- **Entire 9km system mineralised, but less than half drilled!**
- **Resource Update targeted mid-2025**

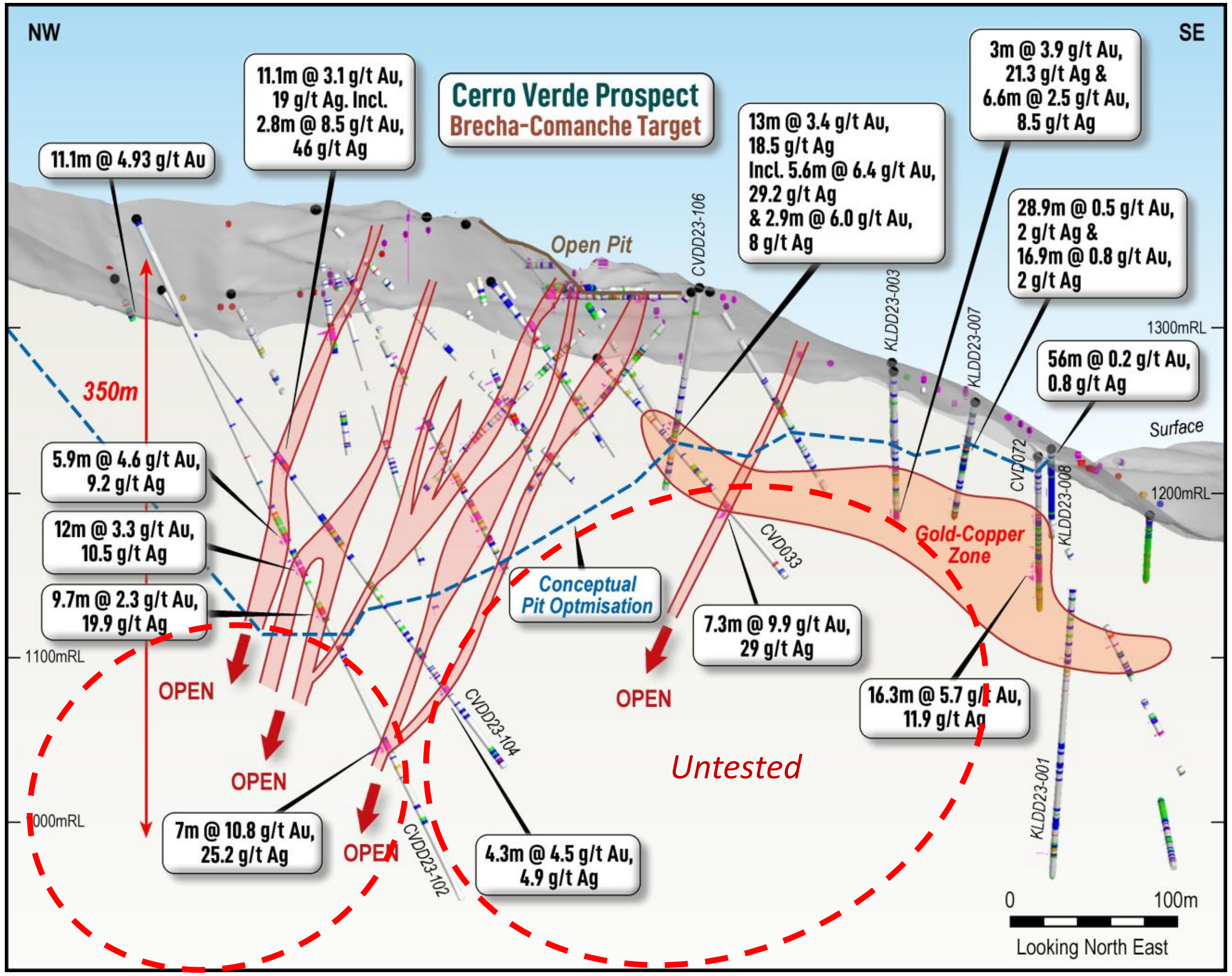


Classification	Tonnes	Grade (g/t)		Contained Ounces (Million)	
	(Million)	Gold	Silver	Gold	Silver
Indicated	18.1	2.09	14.7	1.2	8.6
Inferred	25.4	2.33	16.4	1.9	13.4
Total	**43.5**	**2.23**	**15.7**	**3.1**	**22.0**

Dynasty Gold Project

Strong potential to grow resources at depth



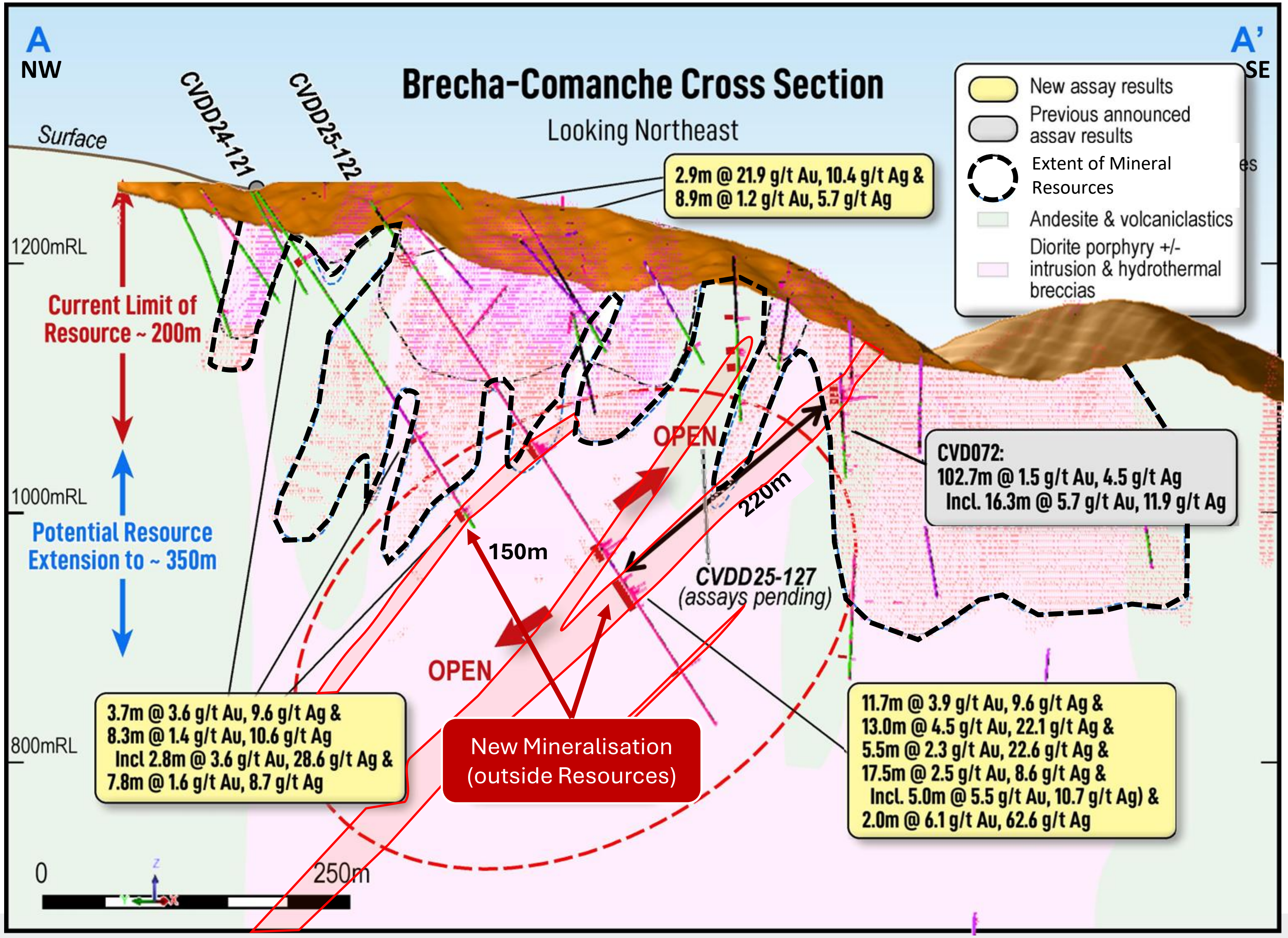


Brecha-Comanche (Cerro Verde prospect) Cross Section displaying significant drill intercepts and conceptual pit

Dynasty Gold Project

Resource growth drilling delivers high-grade results

- **10,000m drilling campaign underway** targeting **resource extensions and classification upgrades**
- **New extensional results at Cerro Verde outside current resources include:**
  - **2.9m @ 21.9 g/t Au** from 17m
  - **3.7m @ 3.6 g/t Au, 9.6 g/t Ag** from 65m
  - **7.2m @ 2.3g/t Au, 19.9g/t Ag** from 24m
  - **7.9m @ 2.3 g/t Au, 22.4 g/t Ag** from 52m
  - **2.8m @ 3.6 g/t Au, 28.6 g/t Ag** from 236m
  - **11.7m @ 3.9 g/t Au, 9.6 g/t** Ag from 235m
  - **17.5m @ 2.5 g/t Au** from 374m **including 5m @ 5.5g/t Au;** ~220m from historical up-dip drill result of **16.3 m @ 5.7 g/t Au, 11.9 g/t Ag** from 85m



Dynasty Significantly Derisked

Strong recoveries from conventional process techniques

- **Oxide ore ~87% gold recovery via conventional CIL**

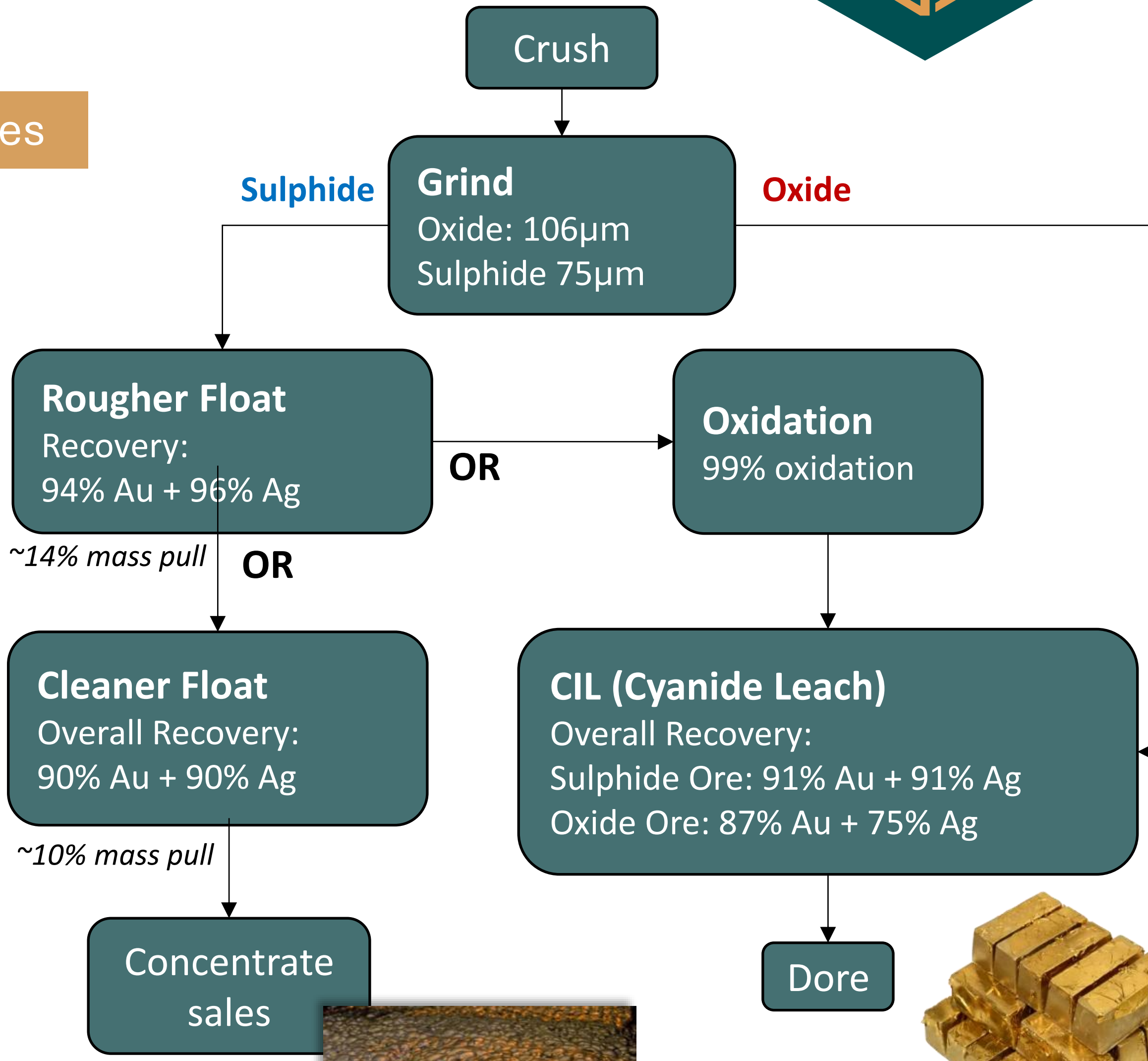
- Sulphide ore process options:

  1. Saleable cleaner concentrate, with low arsenic and impurities can be produced via conventional flotation, **high overall recoveries >90% gold**

  2. Rougher concentrate, recoveries of 94% gold. Concentrate then oxidised, followed by cyanidation CIL to produce dore, **high overall recoveries > 91% gold**

  3. High grade and low grade sulphide ore blended, processed via flotation to create a saleable concentrate to direct ship to an offtake buyer

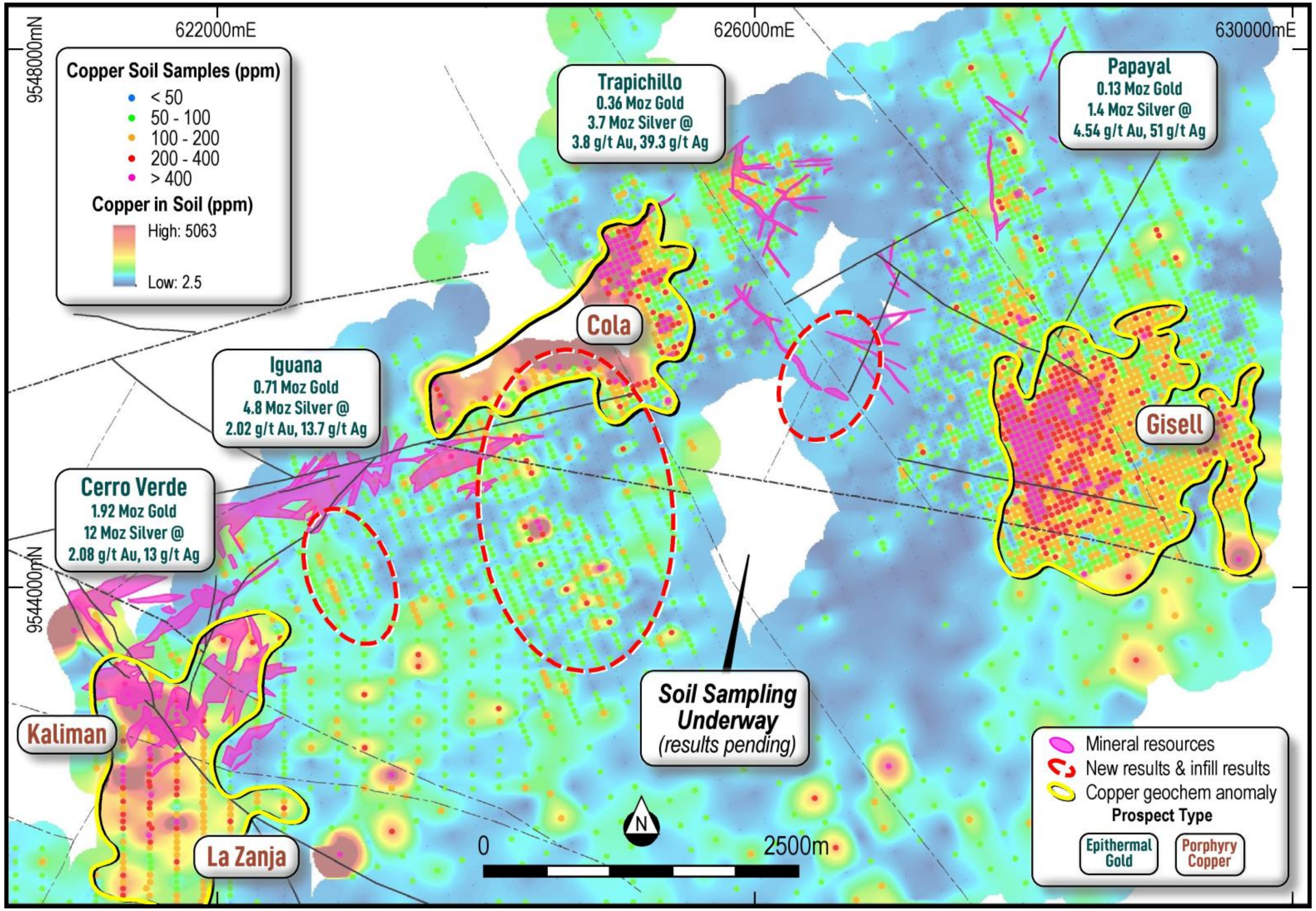
- Testwork preliminary and not yet optimised, **many opportunities identified to further improve recoveries**



Dynasty Gold Project

New copper porphyry targets unveiled

- **Large-scale soil anomalies have revealed several porphyry copper targets**
- Mapping has confirmed porphyry style veining with copper oxide mineralisation at surface
- Cola target exhibits secondary chalcocite enrichment with abundant disseminated pyrite
- Disseminated chalcopyrite is observed to be predominantly found within massive sulfide veins
- Trenching and mapping is continuing across new target areas, with results to inform exploration drilling



Linderos Copper Project

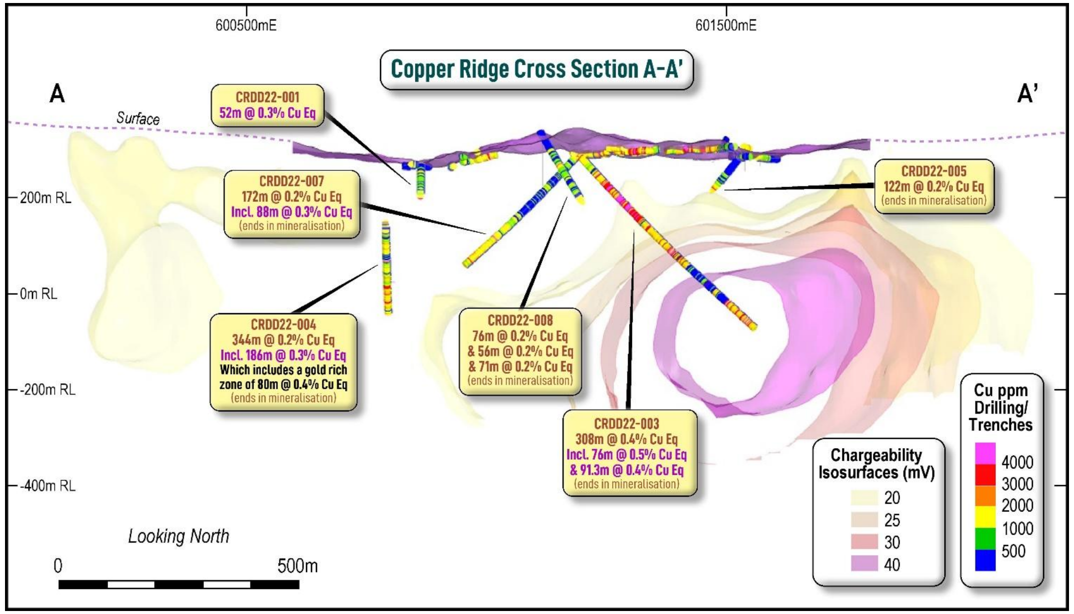
Hancock Prospecting subsidiary to spend up to US$120M to earn 80%

- **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 drill results imminent!**

3D IP Chargeability Model



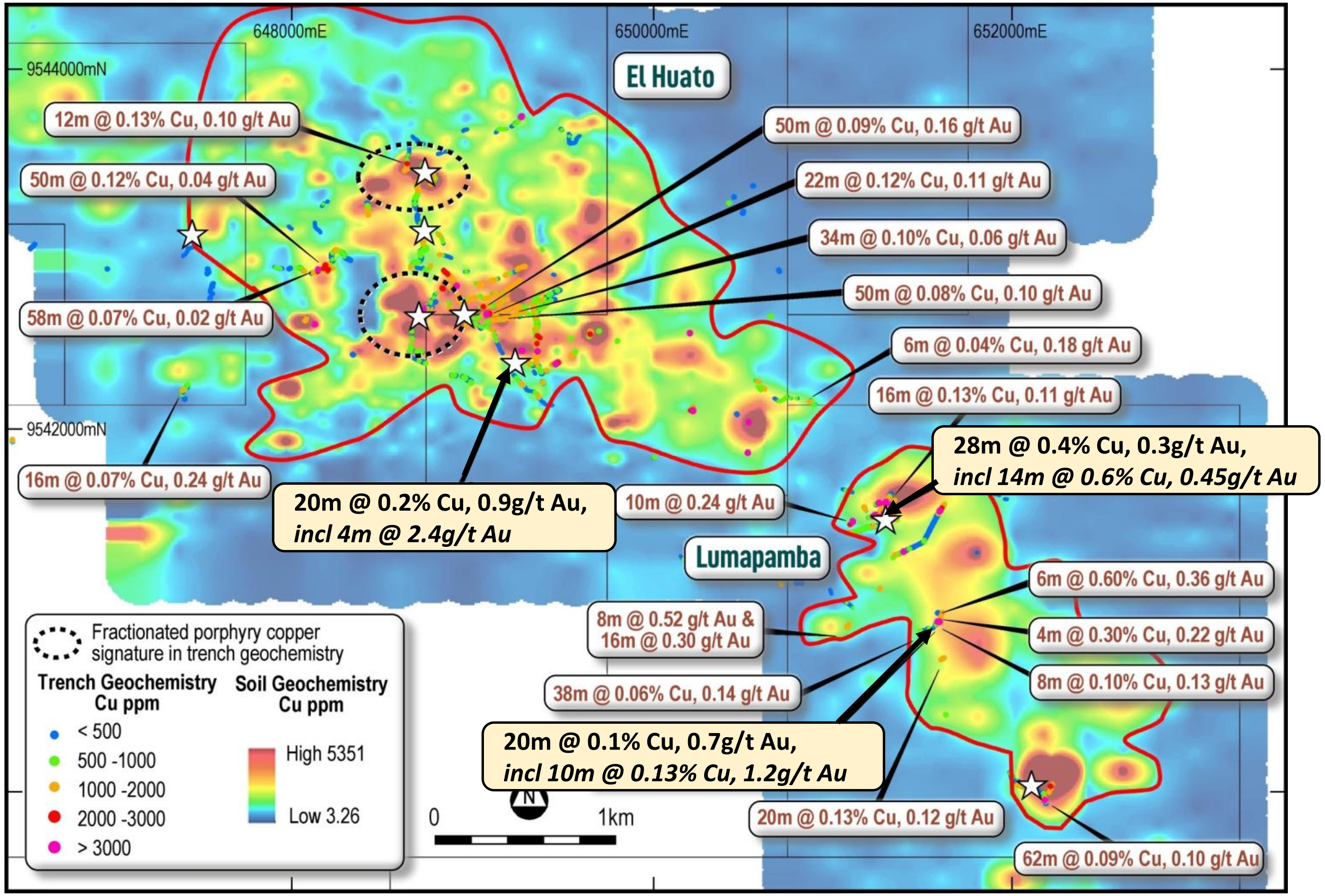
- +2km porphyry copper system confirmed by geophysics, mapping phyllic alteration beyond drill defined porphyry
- Most holes end in mineralisation- system remains open laterally and at depth

NB. *Each earn-in milestone is earnt when the first of either project activities or minimum expenditure is achieved.*

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

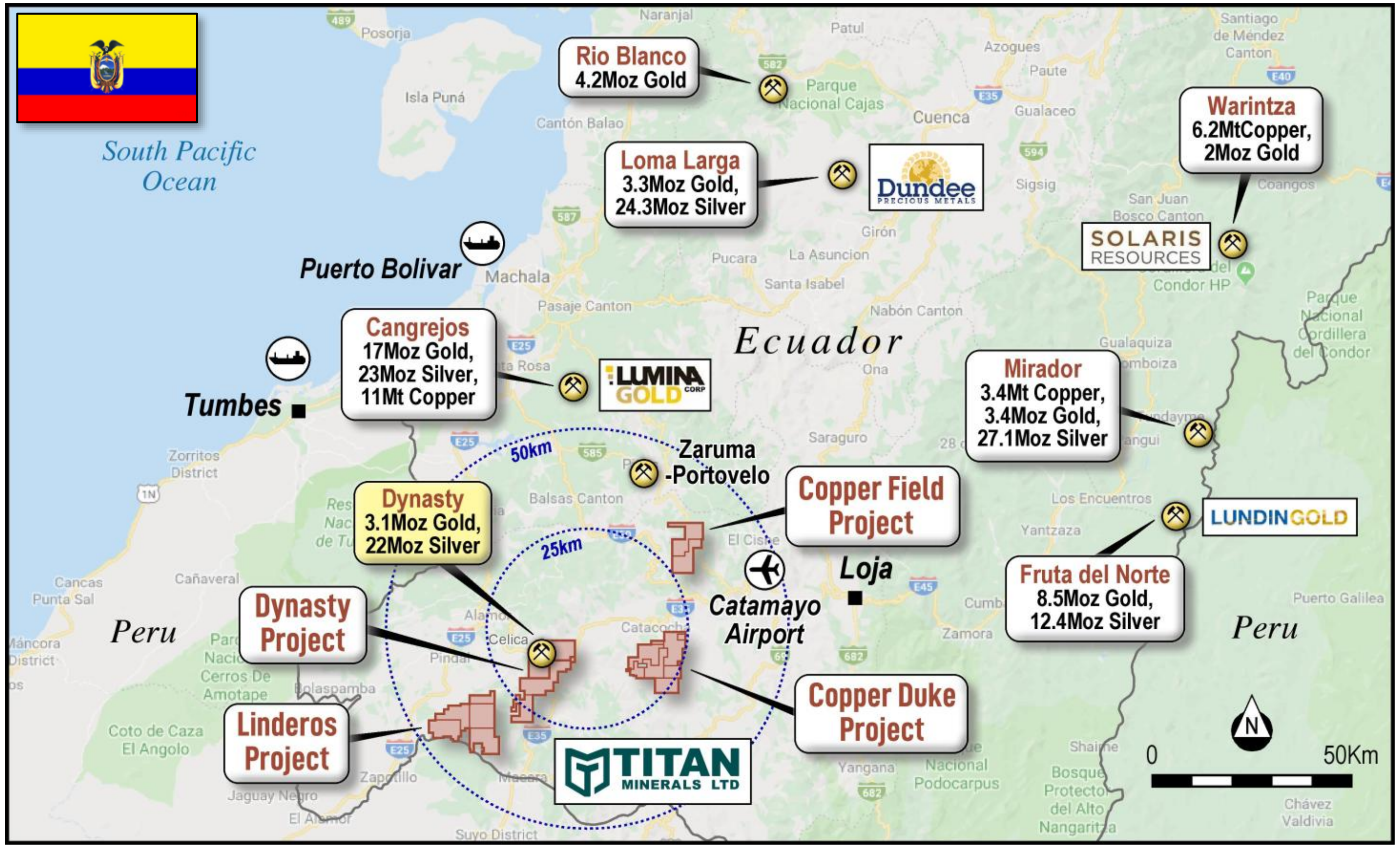
- Optionality and exposure to meaningful scale copper and gold in highly prospective Andean copper belt

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



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Board & Management Team

Right team assembled to add substantial value through discovery and development

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

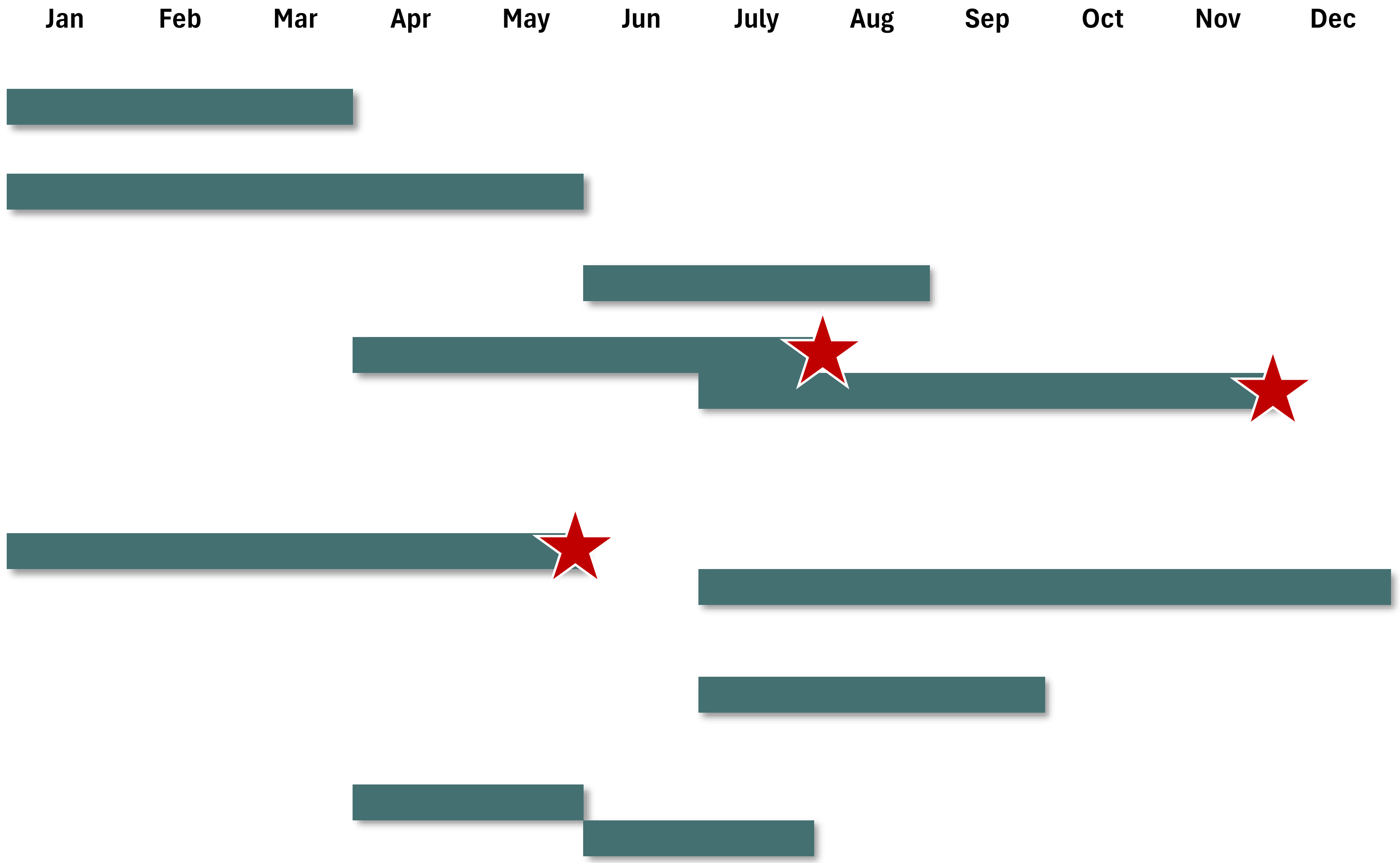
- +20 years' experience in epithermal gold systems and copper-gold porphyry systems.
- Previous roles held with Barrick, Newmont, Kinross and Rio Tinto.
- Experience across Cretaceous, Palaeocene, Eocene-Oligocene and Miocene Belts of Chile and Mexico.

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 Transformational Growth & Derisking

Key deliverables- resource growth, derisking and discovery!



Dynasty Gold Project

Trenching & Mapping over Exploration Targets

Drilling: Resource Definition (10,000m)
Cerro Verde & Iguana

Drilling: Exploration/ New Targets (~5,000m)
Iguana, Papayal, Trapachillo & Porphyry Targets

JORC Mineral Resource Estimate- Update
Scoping Study

Copper Projects

Linderos Project
Phase 1 Drilling (10,000m)
Phase 2 Drilling (15,000m)

HANRINE EXPLORATION & MINING

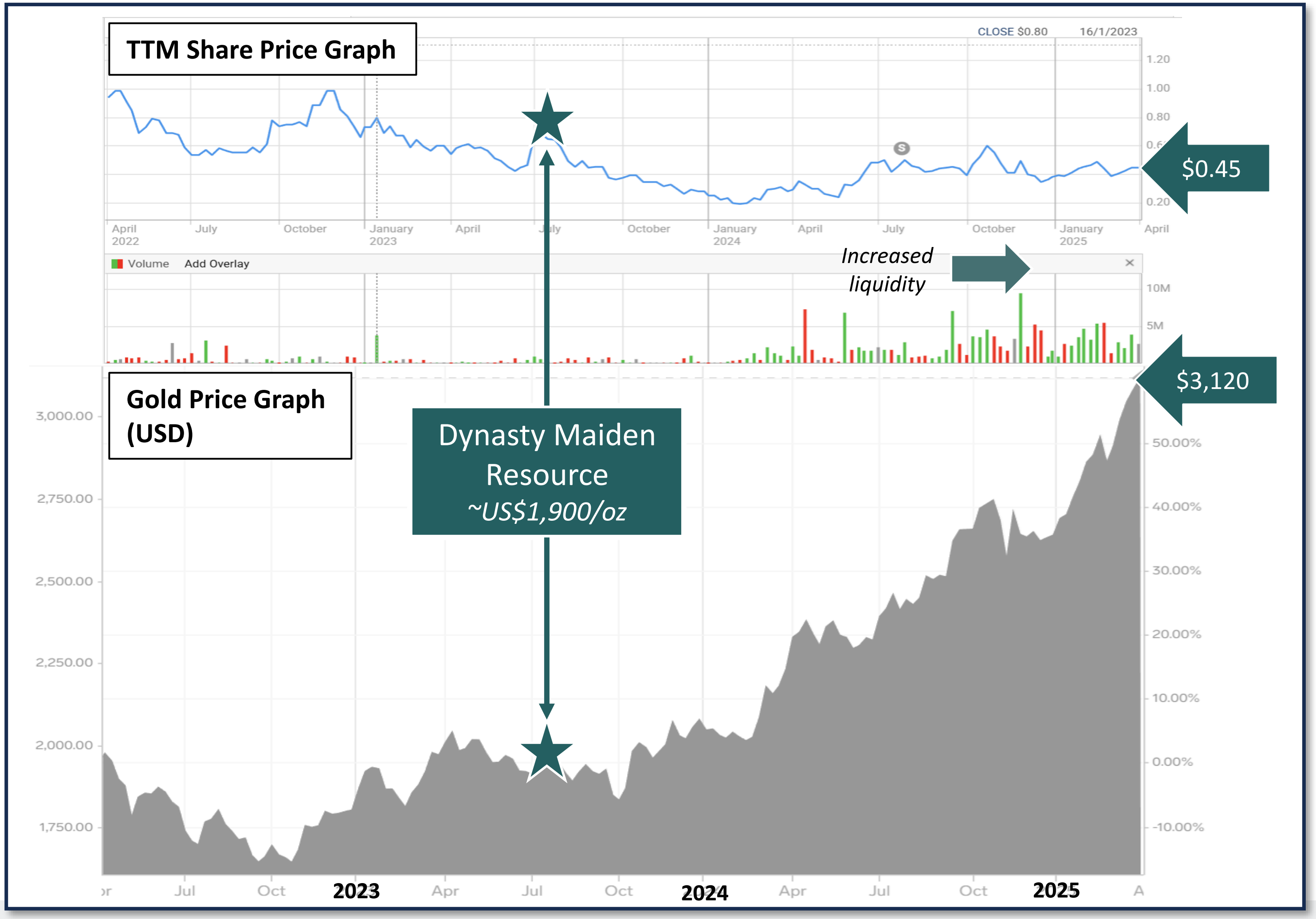
Copper Duke Project
Phase 1 Exploration Drilling (~4,000m)

Copper Field Project
Aeromagnetic survey
Reconnaissance mapping and soil sampling

The Value Proposition

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

- EV[1] for 3.1Moz Gold Resource is ~**US$22/oz gold**
- EV for 22Moz Silver Resource is ~**US$0/oz silver**
- Gold (and silver) prices at all time highs!
- Dynasty resource published in July 2023 when gold US$1,600/oz, now +US$3,100/oz
- **NO VALUE ASCRIBED** to Linderos- Hancock Prospecting JVA which values 80% at **US$120M (A$180M)**
- Significantly undervalued, and ready to deliver key milestones in 2025



1. EV (Enterprise Value is current market cap ($110M) divided by ounces of gold in resources
2. Gold Price chart "Gold PRICE Today | Gold Spot Price Chart | Live Price of Gold per Ounce | Markets Insider"

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