



Emerging Gold Developer & Advanced Copper Explorer in Ecuador

Investor Presentation |
October 2024



ASX: TTM



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



Disclaimer and Forward-Looking Statements

COMPETENT PERSON'S STATEMENTS

Exploration results referred to in this presentation have been previously reported by Titan in ASX announcements. Titan confirms that it is not aware of any new information or data that materially affects the information included in that announcement. The Competent Person for the presentation was Melanie Leighton. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcements.

The information in the presentation that relates to the Estimation and Reporting of the Dynasty Mineral Resources has been compiled and reviewed by Ms Elizabeth Haren of Haren Consulting Pty Ltd who is an independent consultant to Titan Minerals Limited and is a current Member and Chartered Professional of the Australasian Institute of Mining and Metallurgy and Member of the Australian Institute of Geoscientists. Ms Haren has sufficient experience, which is relevant to the style of mineralisation and type of deposit under consideration and to the activities undertaken, to qualify as a Competent Person as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (The JORC Code)". Ms Haren consents to the inclusion in this report of the matters based on her information in the form and context in which it appears.

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		
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 (%) = $Cu \text{ (%) } + (0.54 \times Au \text{ (g/t)}) + (0.00037 \times Mo \text{ (ppm)}) + (0.0063 \times Ag \text{ (ppm)})$. 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 in elephant country

Emerging Gold-Silver Developer- targeting +5Moz gold in resources



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

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 to commence in November

First Mover Advantage with Optionality



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

Emerging Tier 1 Mining Jurisdiction

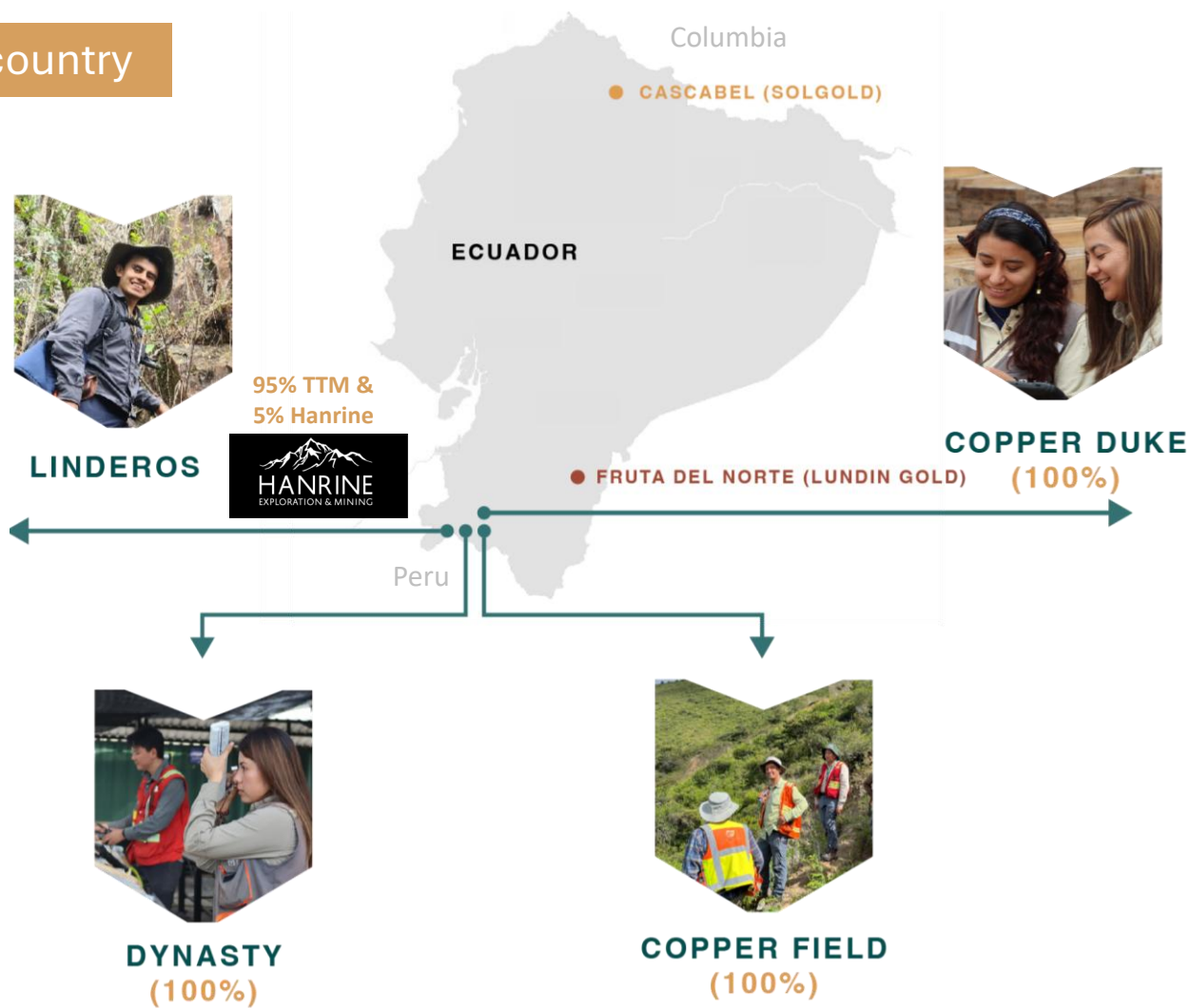


Ecuadorian government supportive of mining, with significant support and fiscal incentives

Management with Proven Capability



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





Corporate Snapshot

Titan poised for rerate- quality projects and strong sentiment for gold and copper

Capital Structure

ASX	TTM
Share Price	\$0.55
Shares on Issue	194.6 M
Options	44 M (18.8 M @ \$0.35, exp 31 Jan 25) <i>~\$7.3M if all converted</i> (14 M @ \$0.70, exp 31 Jan 26)
Market Cap	\$107M \$137M (fully dilute)
52 week low/ high	\$0.17/\$0.63
Average volume (90 days)	450K
Cash	\$1.3M at 30 Sep 2024 + \$2.7M (Hanrine payment) + \$2.6M (Options conversion)

Share Price



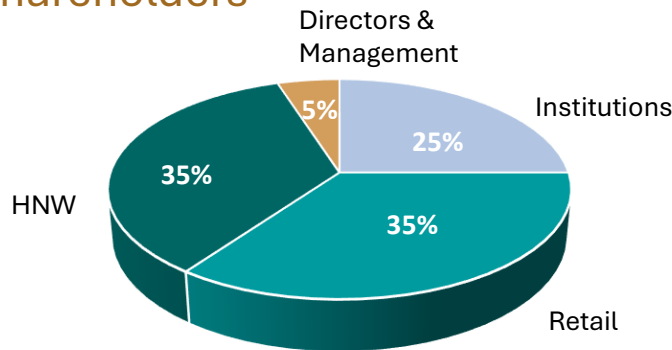
Research

cg/ Capital Markets
Canaccord Genuity

Rating: **SPECULATIVE BUY** | Price Target: **A\$1.30**

TTM-ASX | Price: **A\$0.46**

Shareholders



- **Strong institutional backing**
- **60 % held by Top 20 shareholders**
- **74% held by Top 50 shareholders**

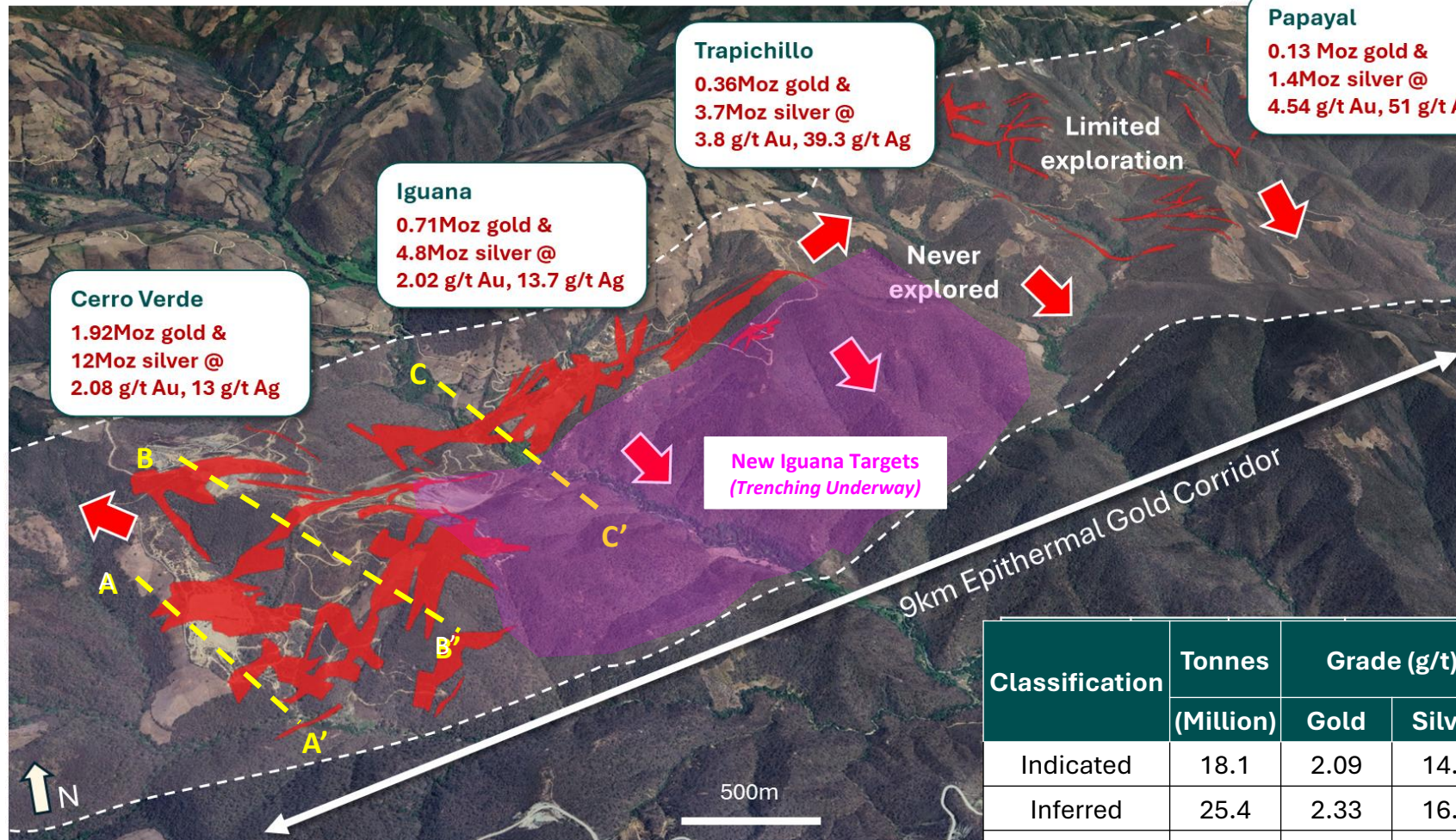
One of the best performing ASX junior explorers in 2024

Receivables of \$3.8M cancels out debt of \$3.4M



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 @ 2.2g/t Au, 15g/t Ag* from surface**
- High-grade resources of **2Moz gold and 13Moz silver @ 3.8 g/t Au, 24g/t Ag****
- **+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!**

Classification	Tonnes (Million)	Grade (g/t)		Contained Ounces (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

* Reported > 0.5 g/t Au
**Reported > 2.0 g/t Au



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, confirmed by mapping, rock chips and trenches
 - Resource upgrade/ conversion
- Steady flow of drill results expected over the coming months, with resource update targeted for mid-2025.
- Latest surface trench results over new target areas include **3m @21.4 g/t Au & 5m @ 5.0 g/t Au.**
- Trenching underway over several exploration and resource extensional targets, representing good potential to substantially grow the resource.
- Trenching results will be used to inform drill design over these new target areas.

Multiple new veins unveiled in drill platforms at surface, in areas never previously drilled & outside current resource

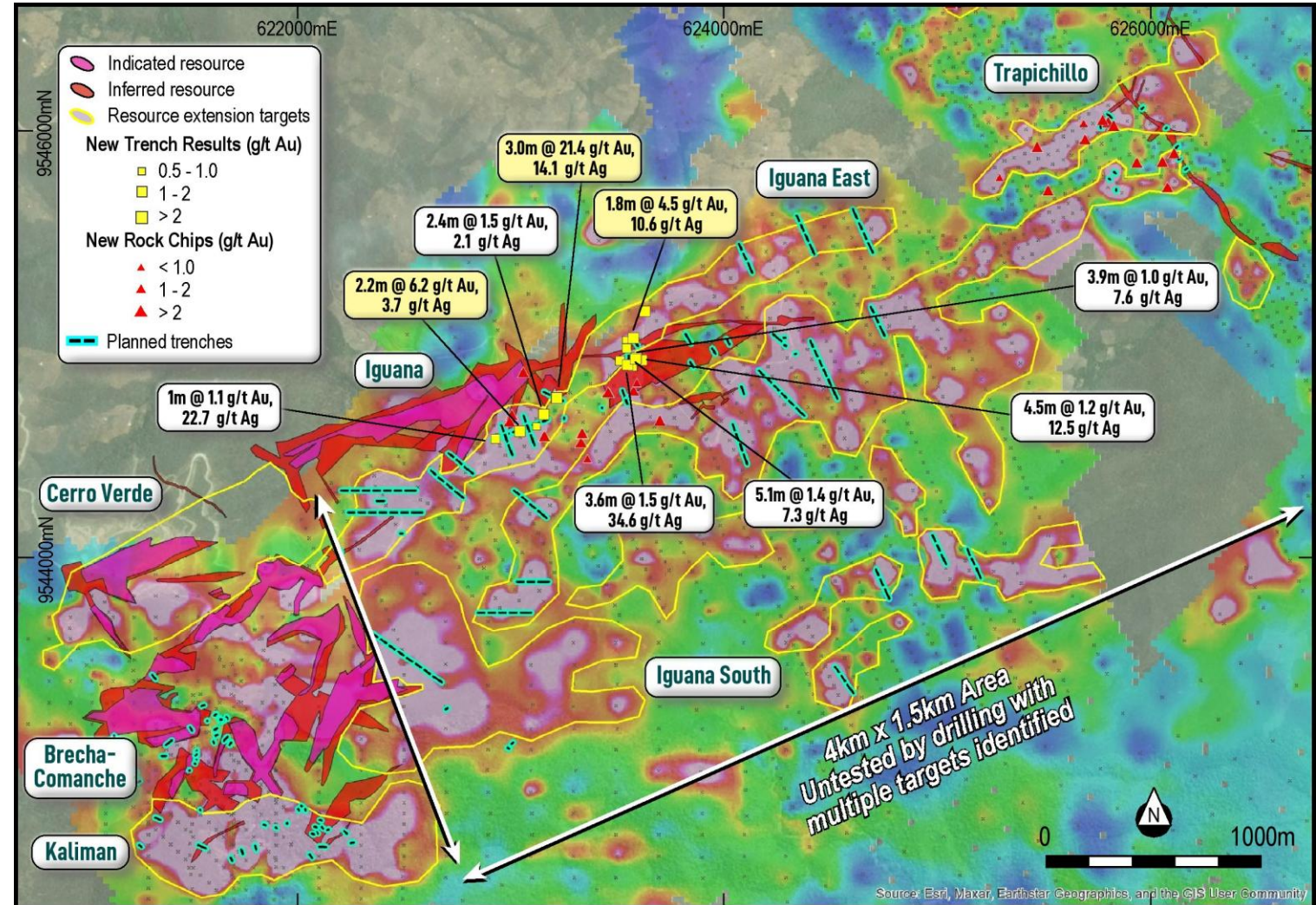




Dynasty Gold Project

Gold footprint continues to grow

- Iguana Mineralisation footprint much larger than area which contains drill and trench defined resources of **0.7Moz gold & 4.8Moz silver**.
- Surface geochemistry and mapping has confirmed Iguana mineralisation footprint to be **4km x 1.5km**, previous footprint 1.5km x 0.5km.
- Multiple new mineralised veins discovered exhibiting high-grade gold, with significant results returned from trenching in extensional areas.



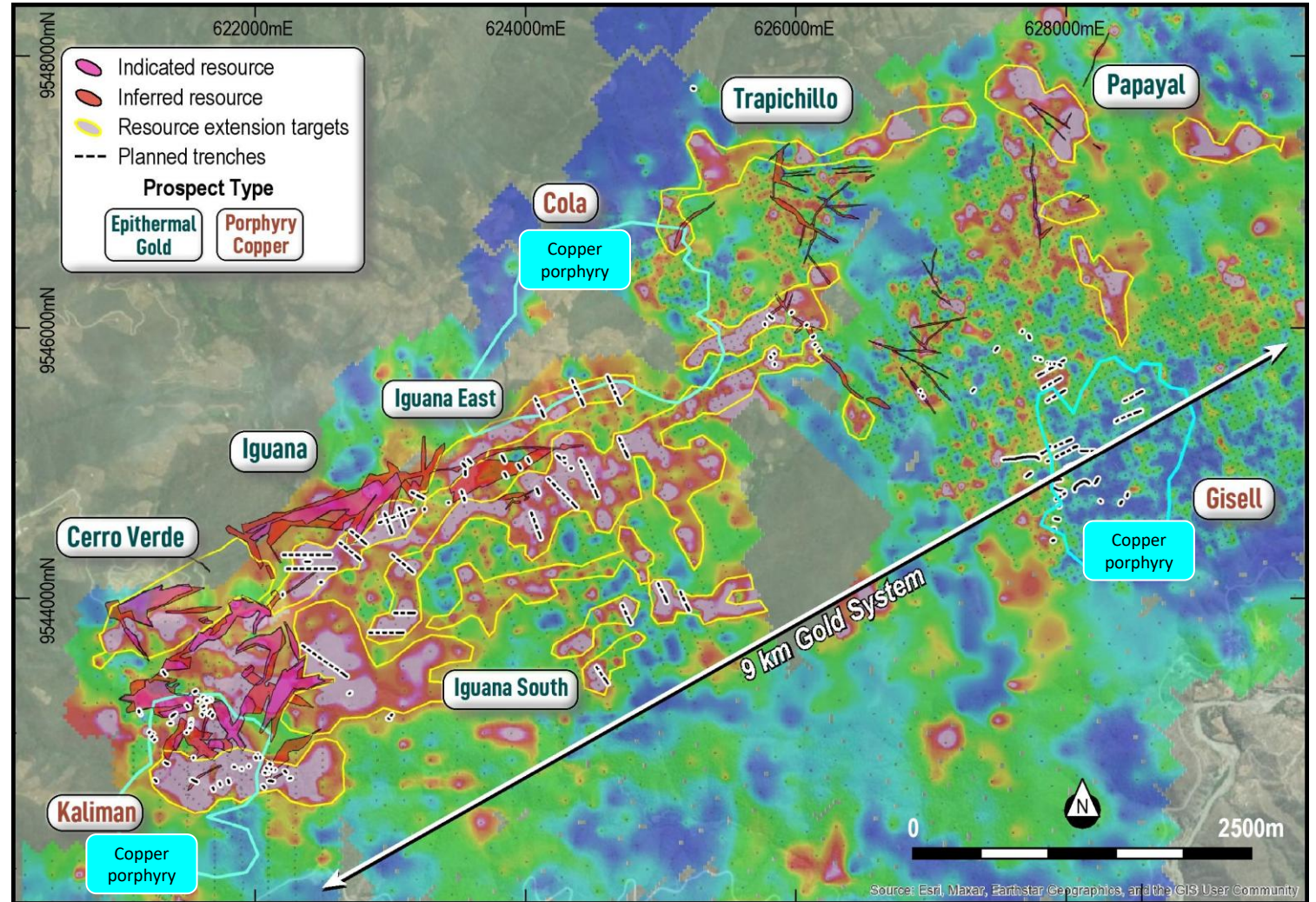
Substantial potential for further gold mineralisation highlighted outside of current resource



Dynasty Gold Project

Copper porphyry targets unveiled

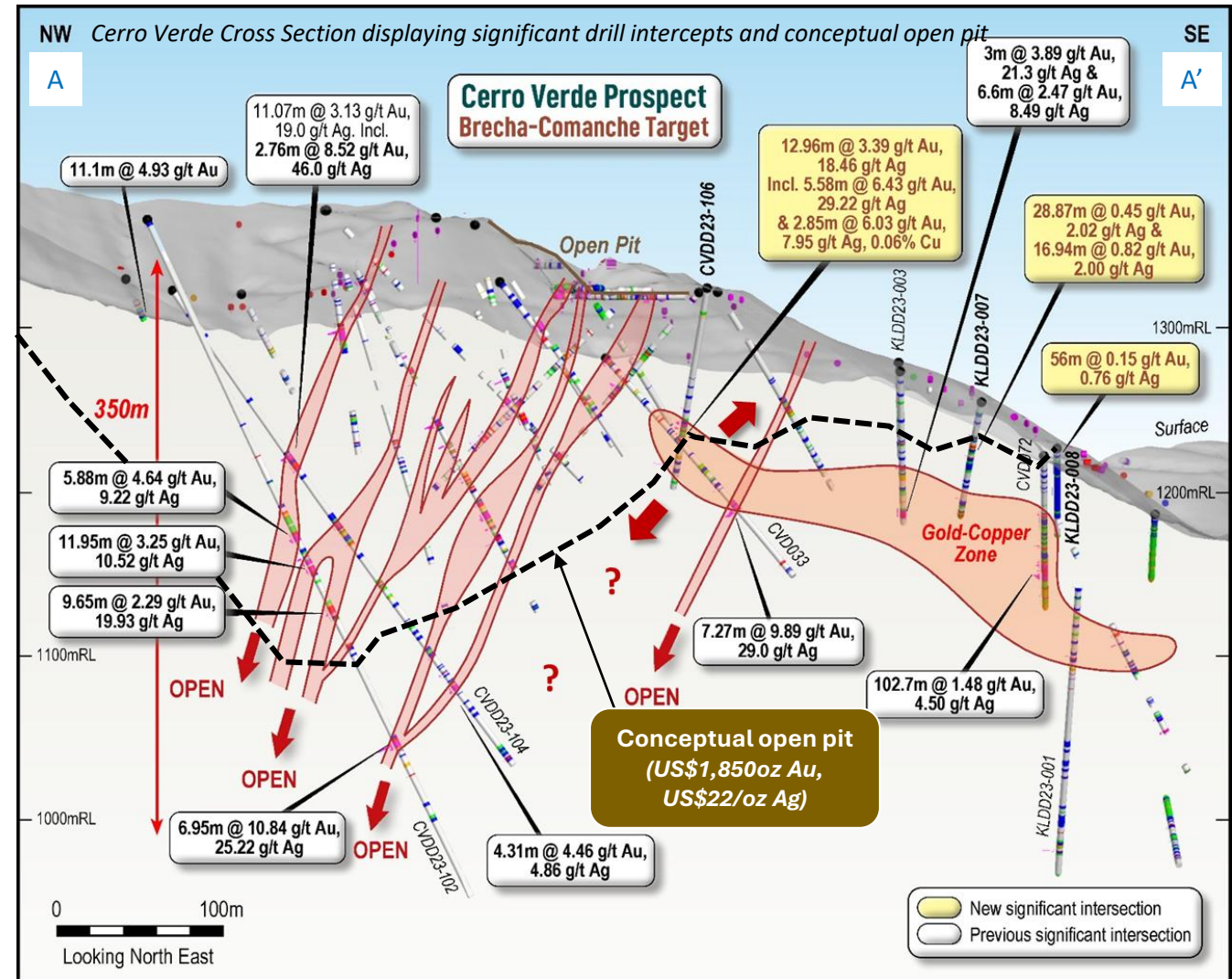
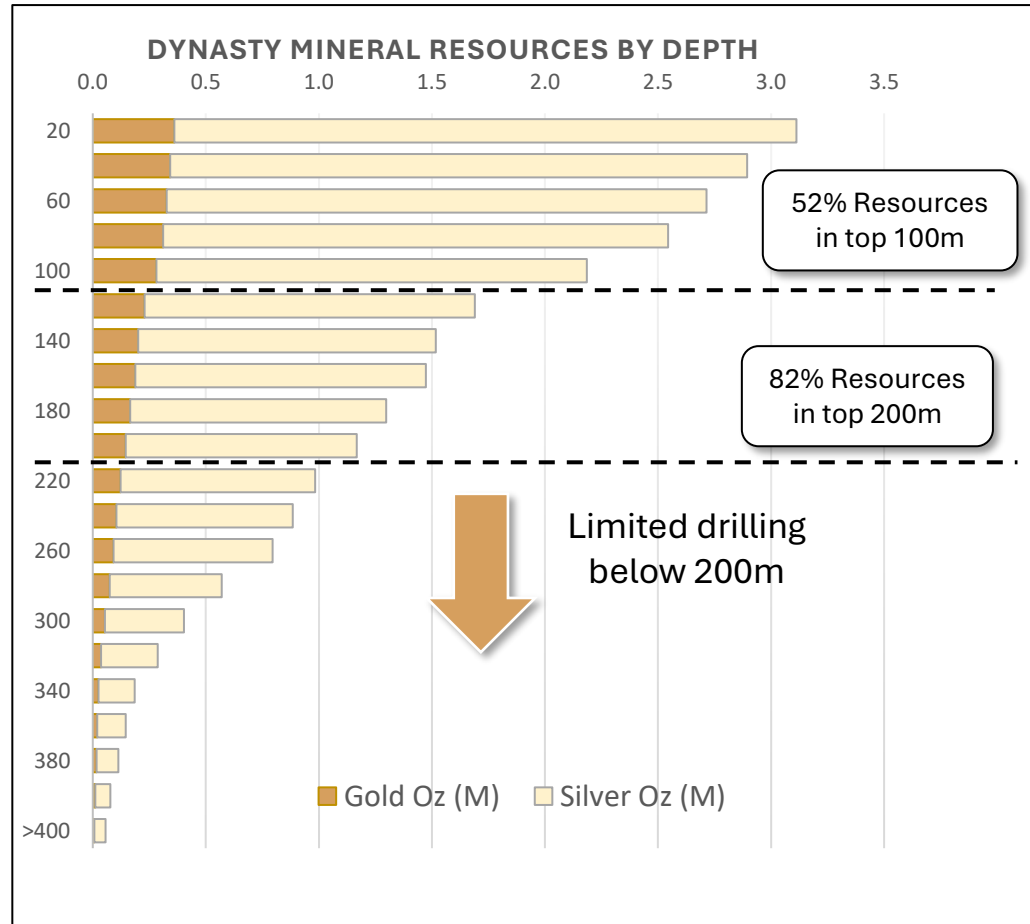
- **Large-scale copper soil anomalies** have revealed several compelling **porphyry copper targets**
- Mapping has confirmed porphyry style veining with copper oxide and iron oxide mineralisation at surface
- Cola target exhibits secondary chalcocite enrichment along fractures with abundant disseminated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





Dynasty Gold Project

Strong potential to grow resources at depth

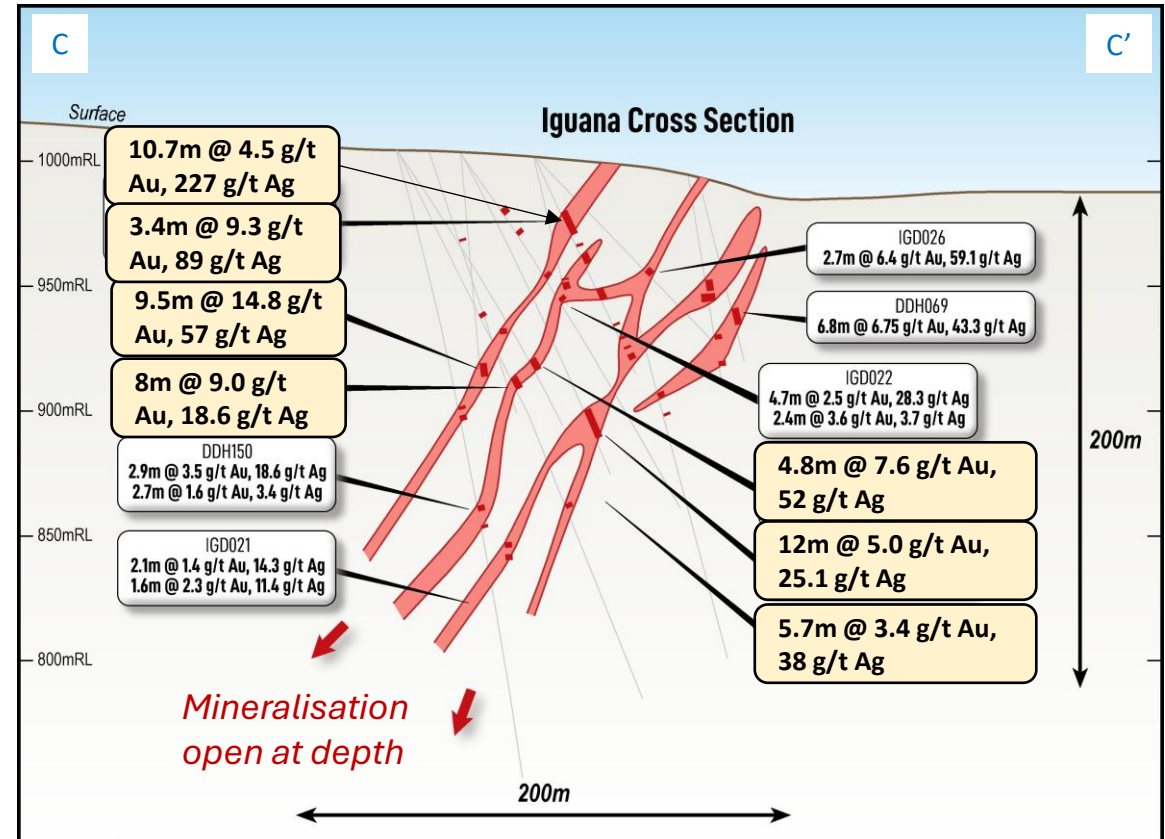
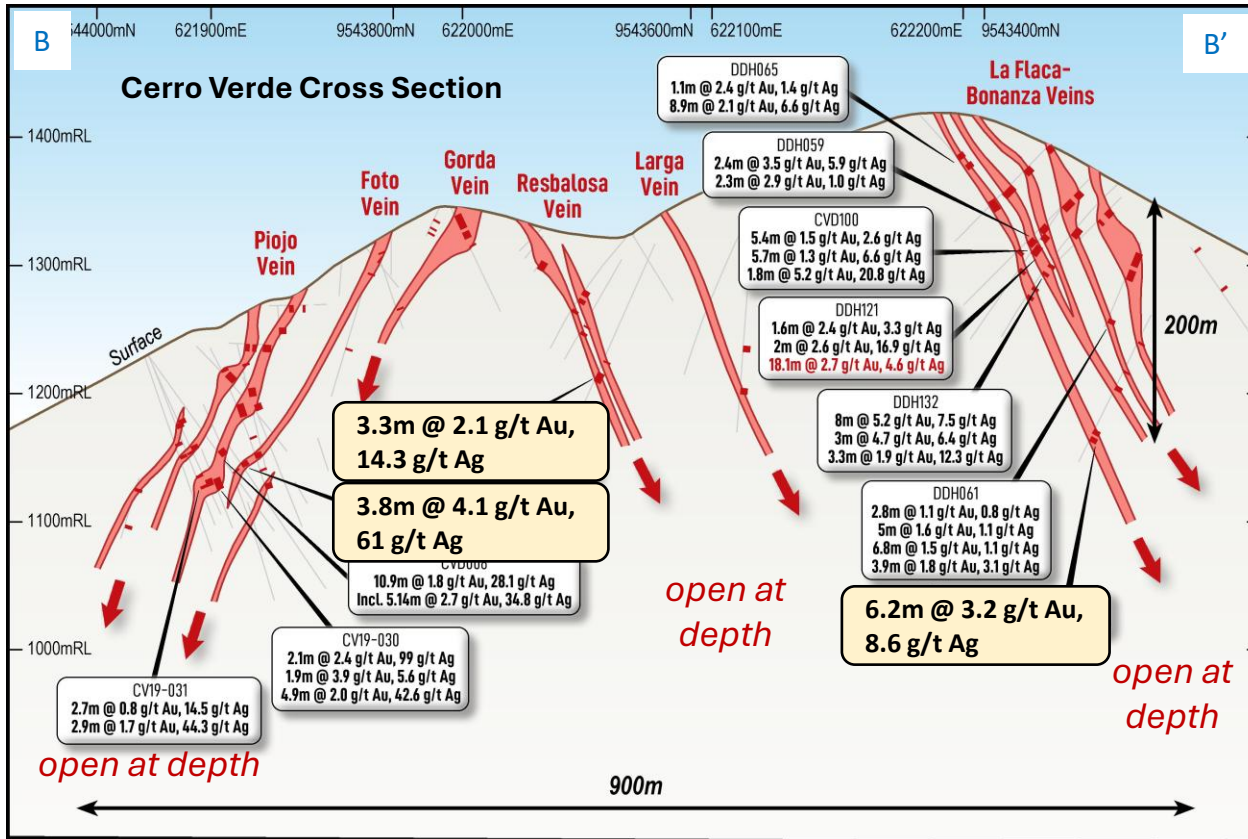




Dynasty Gold Project

Multiple resource depth extensions at Cerro Verde & Iguana Prospects

- Entire 9km corridor open at depth, limited drilling below 200m



Linderos Copper Project

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

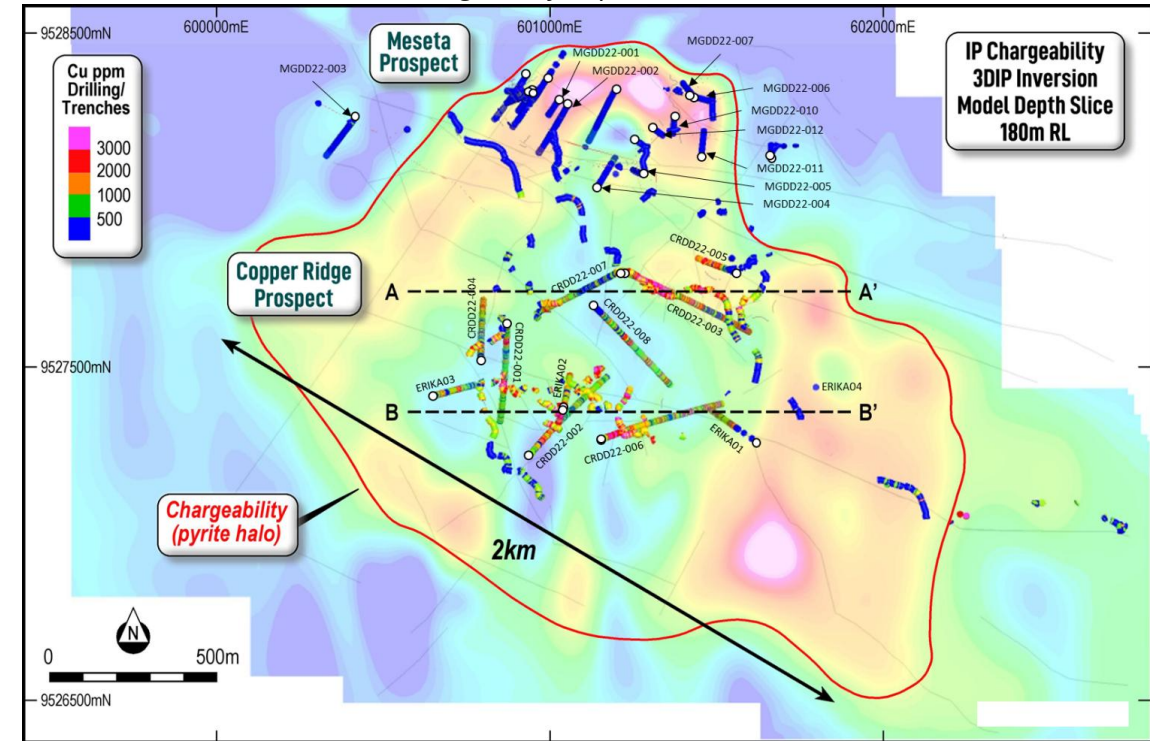


- Partner secured to explore and develop Linderos Copper Project, Hanrine to earn 80% by spending up to US\$120M or reaching Decision to Mine.
- Titan free-carried until 80% earned. If Titan elects not to contribute after 80% earned, and if diluted below 10%, project ownership will revert to 2.7% NSR

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

- Hanrine will act as project manager

3D IP Chargeability Depth Slice at 180mRL, ~170m below surface

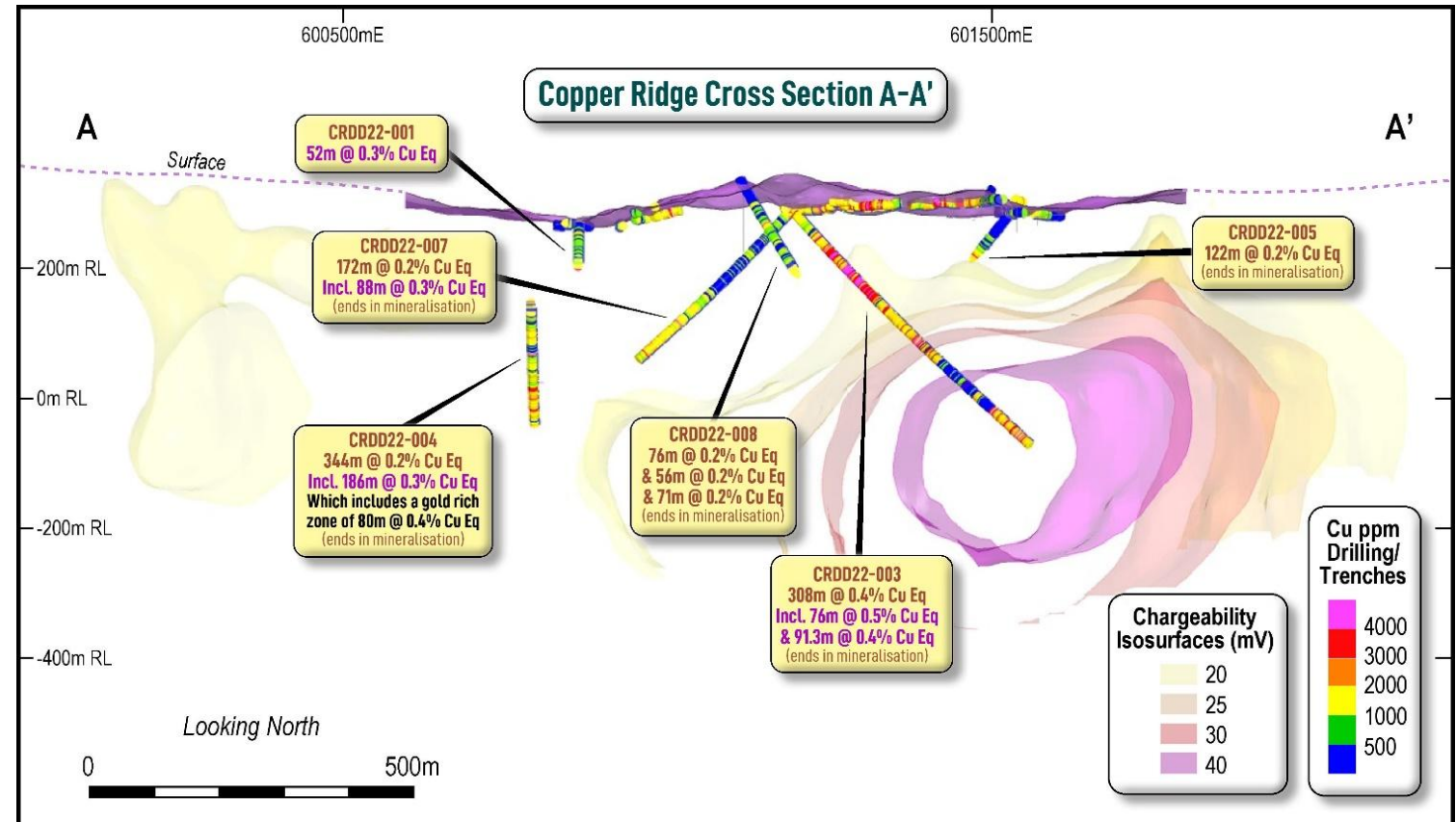


- +2km porphyry copper system confirmed by geophysics, mapping phyllic alteration beyond drill defined porphyry
- 10,000 drilling campaign to commence in November**

Linderos Copper Project

Partner secured to explore & develop Linderos to its full potential

- **Porphyry copper system** extends from surface, confirmed by mapping, trenching and drilling
- Most holes ended in mineralisation-system remains open laterally and at depth
- **Meseta high-grade epithermal gold system** drill confirmed adjacent to Copper Ridge porphyry, mineralisation remains open
- Trenching at Meseta has unveiled a phyllic altered diorite porphyry, suggesting **proximal to a large porphyry copper system**



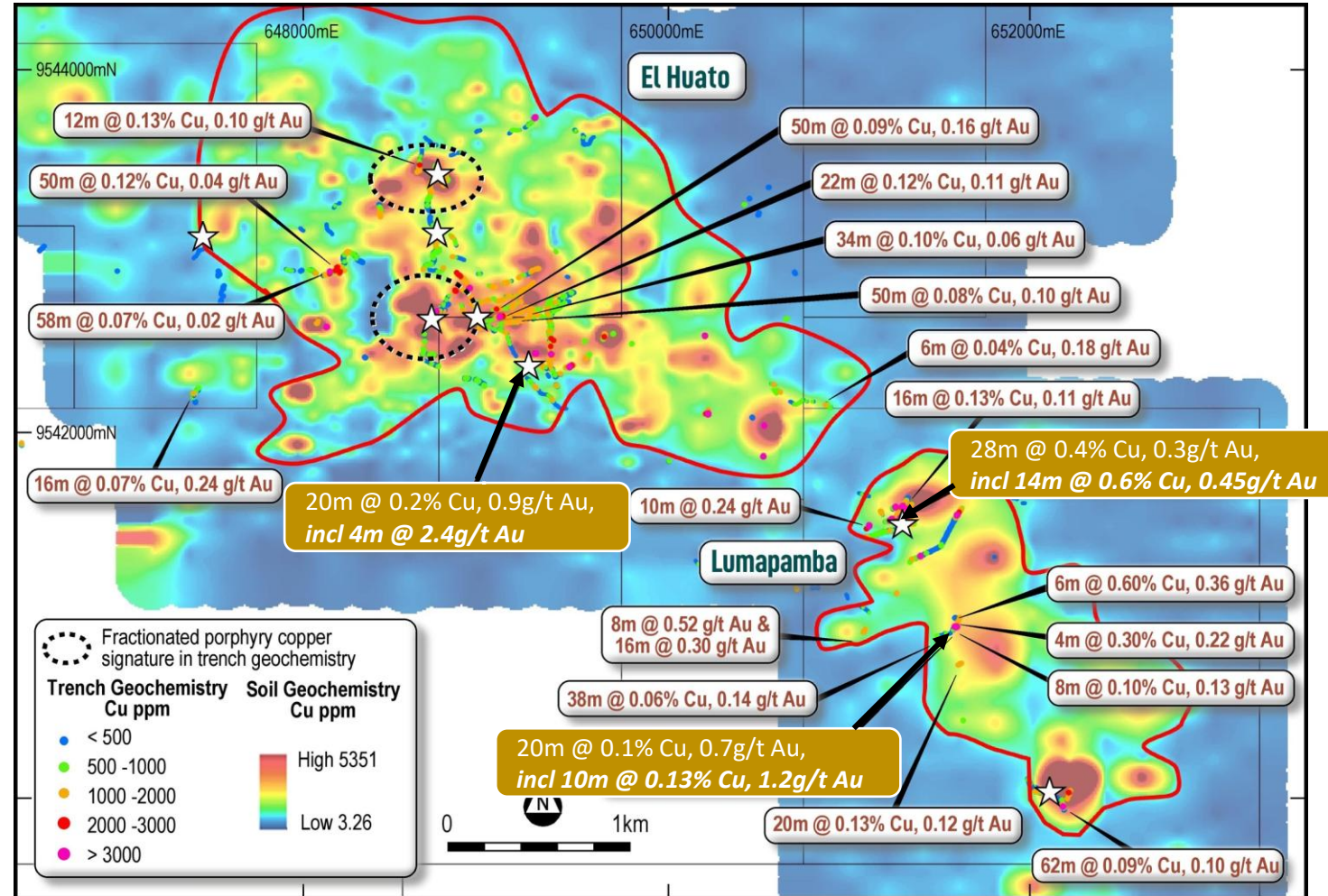
3D IP Chargeability Cross Section, mapping pyrite + chalcopyrite



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 same age as **mega-porphyry copper deposits of Peru**
- **Long lived mineral system**, multiple outcropping targets – porphyry copper, breccia copper, skarn, intrusion related gold, and epithermal gold
- **High priority targets set to be drill tested in mid-2025**
- **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

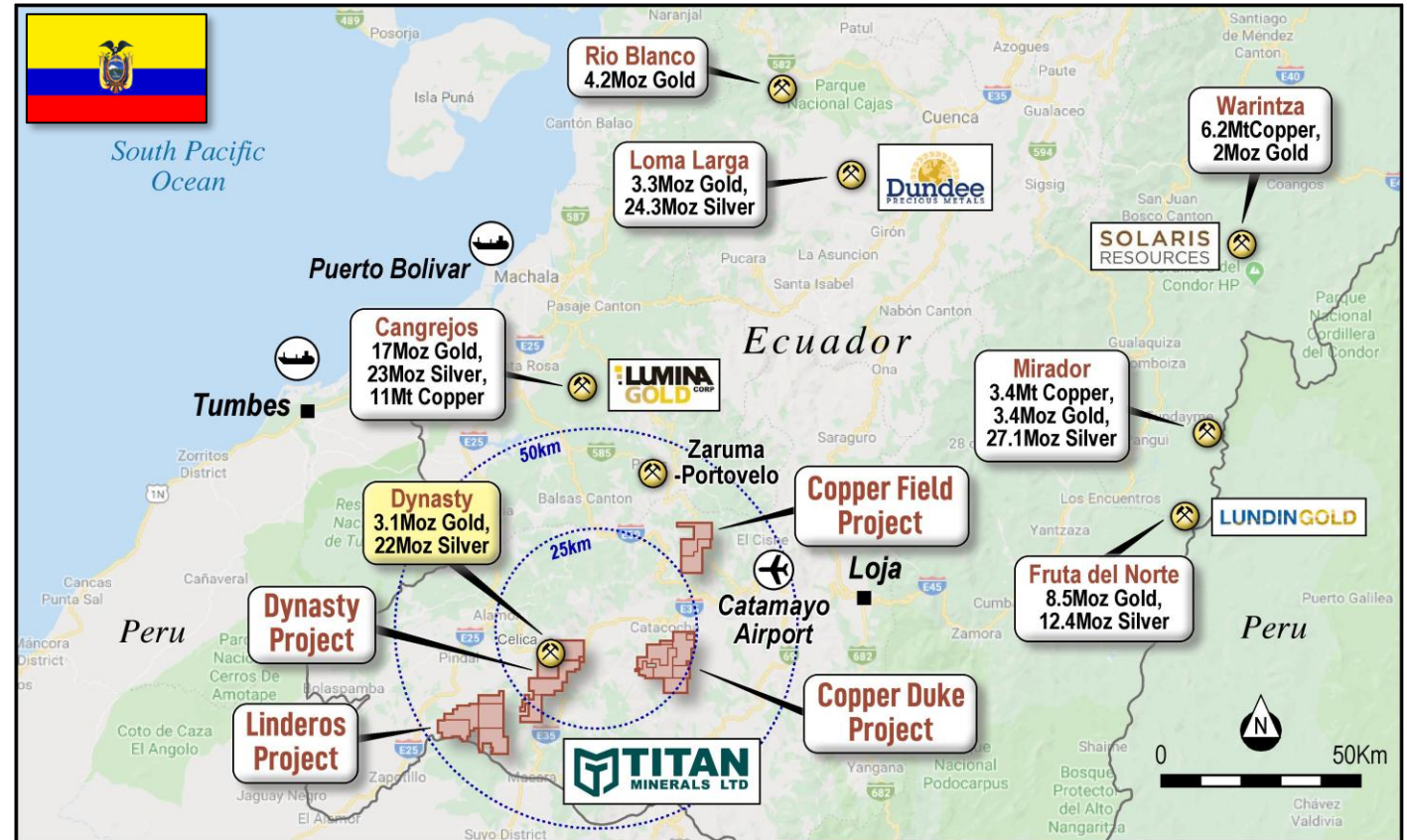
- Optionality and exposure to meaningful scale copper and gold in highly prospective Andean copper belt

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





Social, Environmental and Corporate Governance at the Fore

Commitment to transparency, education, employment and inclusion



- 1 ENVIRONMENTAL RESPECT**
Responsible exploration ensuring minimal disturbance to native vegetation and natural landscape
- 2 COMMUNITY BENEFIT**
Working to benefit local communities, skills training, local partnerships and community initiatives

- 3 BIG IDEAS**
Exploring blue-sky opportunities in fertile systems for game changing discoveries and sustainable projects
- 4 RESPONSIBLE STEWARDSHIP**
Commitment to integrity, safety, best practice and responsible planning and management of resources

Strong relationships being forged, communities are seeing the benefits of Titan's presence, with the opportunity for training, employment and community development initiatives.



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.



Next Steps

Key milestones and value set to be delivered in coming 6-12 months

Dynasty Gold Project

Trenching & Mapping over Exploration Targets

Drilling: Resource Extension & Definition (~6,500m)

Cerro Verde & Iguana

Drilling: Exploration/ New Targets (~3,500m)

Iguana East & South, Papayal, Trapachillo & Porphyry Targets

JORC Mineral Resource Estimate- Update 1

Scoping Study

Copper Projects

Linderos Project

Phase 1 Drilling (10,000m)

Phase 2 Drilling (15,000m)



Copper Duke Project

Phase 1 Exploration Drilling (~4,000m)

Copper Field Project

Aeromagnetic survey

Reconnaissance mapping and soil sampling

2024 Sep Oct Nov Dec Jan Feb Mar Apr May Jun July Aug Sep Oct Nov Dec
2025





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