



Investor Presentation

TITAN MINERALS LTD.

May 2022



Disclaimer and Forward Looking Statements

COMPLIANCE AND CAUTIONARY STATEMENT

NOTES TO MINERAL RESOURCES

The Mineral Resource Estimates for the Dynasty Gold Project and Jerusalem Project are not reported in accordance with the JORC Code 2012. A competent person has not done sufficient work to classify the foreign estimate as mineral resources in accordance with the JORC Code 2012. It is uncertain that following evaluation and/or further exploration work that the foreign estimates will be able to be reported as mineral resources or ore reserves in accordance with the JORC Code 2012.

Pursuant to Listing Rule 5.13, Titan confirms that it is not in possession of any new information or data in respect to either the Dynasty Gold Project or the Jerusalem Gold Project and the supporting information provided in the relevant initial Announcements (being the ASX release dated 30 April 2020 with respect to the Dynasty Gold Project and the ASX release dated 21 September 2020 with respect to the Jerusalem Gold Projects) continues to apply and has not materially changed.

Project	Category	Tonnes	Au (g/t)	Ag (g/t)	Contained Au (oz) (000's)	Contained Ag (oz) (000's)
Dynasty Gold Project	Indicated	6,622,000	4.65	36	991,000	7,673,000
	Inferred	7,824,000	4.42	36	1,113,000	9,151,000
Jerusalem Gold Project	Measured	379,000	14.20	90	173,000	1,098,000
	Indicated	576,000	13.50	95	249,000	1,760,000
	Inferred	1,775,000	15.00	101	856,000	7,673,000

COMPETENT PERSON STATEMENT

The information in this release that relates to Exploration Results of Titan and Foreign Resource Estimates is based on information compiled by Mr Schwertfeger, who is a Member of the Australian Institute of Geoscientists and is a Consulting Geologist. Mr Schwertfeger has sufficient experience relevant to the style of mineralisation and type under consideration and to the activity which they are undertaking to qualify as a Competent Person as defined in the 2012 edition of the JORC Code. Mr Schwertfeger consents to the inclusion in the report of matters based on his information in the form and context in which it appears.

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Well Positioned to Create Value

WORLD-CLASS GOLD-COPPER PORTFOLIO



**Ecuador –
Compelling
prospectivity,
Supportive
Government**



**World-Class
Gold-Copper
Project
Portfolio**



**Revitalised
Board and
In-Country
Management**



**Strong
Balance
Sheet and
Treasury**



**Significant
Value
Creation
Opportunity**

Corporate Snapshot

EXPERIENCED AND SUCCESSFUL BOARD

Refreshed Board of Directors



Peter Cook

Non-Executive Chair
Geologist & Mineral Economist
“Proven Mine and Company Builder”



Matthew Carr

Executive Director, Acting CEO
Businessman & Project Developer



Tamara Brown

Non-Executive Director
Engineer & Corporate Strategist
“Strong Ecuadorian and Capital markets experience”



Nick Rowley

Non-Executive Director
Commerce & Applied Finance Degrees
“Proven dealmaker and experienced corporate”



Barry Bourne

Non-Executive Director
Geologist and Geophysicist
“Renowned Innovator”

Capital Structure (as at May 1, 2022)

ASX

TTM

Share Price

A\$0.10

Common Shares O/S

1,409m

Options & Performance Rights³

87.6m

Est. Cash and Receivables

A\$15m
US\$12.25m

Market Capitalisation

~A\$140m
~US\$100m

Key Contacts

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North America: tamara.brown@titanminerals.com.au

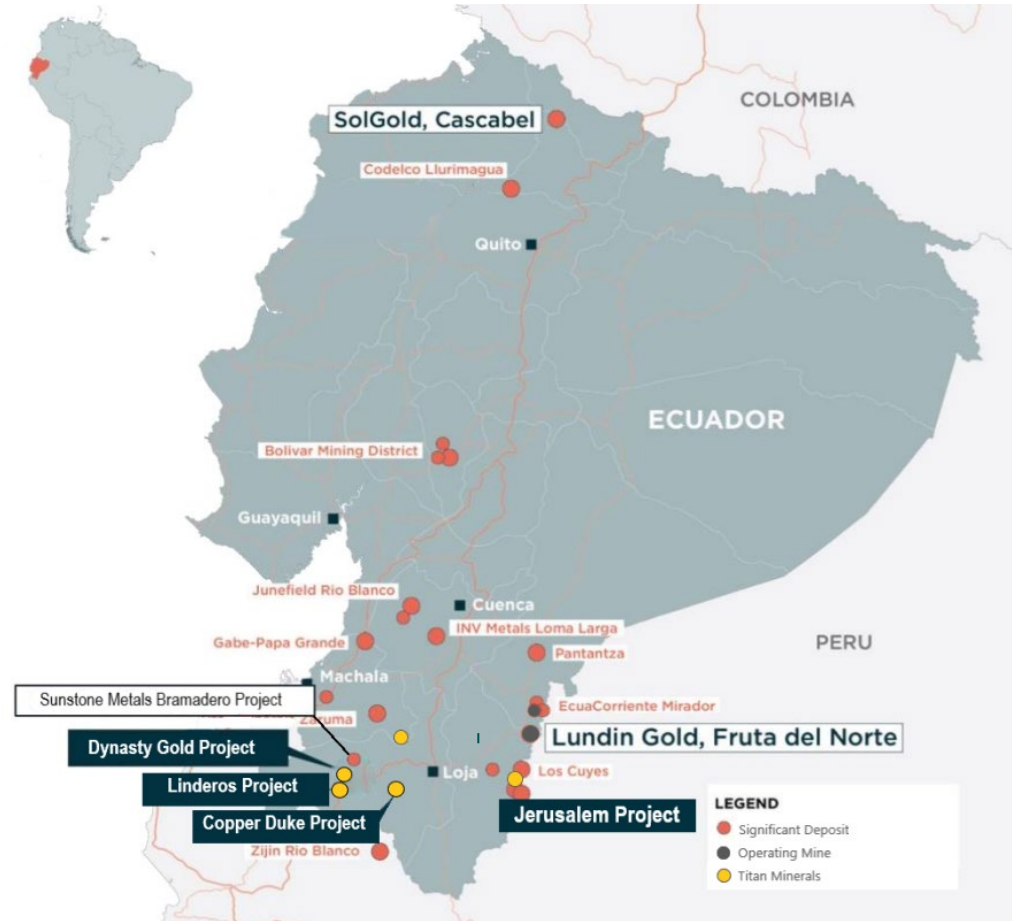
Why Ecuador?

ROBUST SUPPORT FOR RESPONSIBLE MINING DEVELOPMENT

- Emerging major mineral exporter with major mining groups invested:



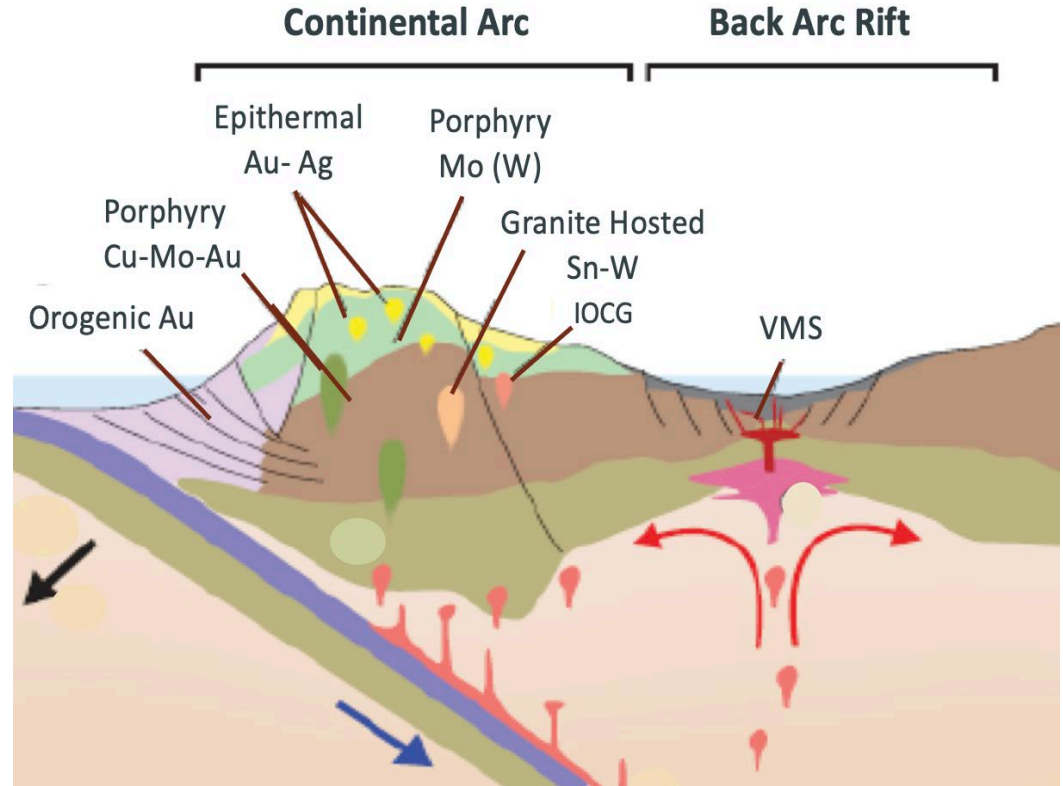
- Lasso government supports responsible mining
- Several projects advancing from exploration through development and production
- Responsible mining and exploration contributing significantly to taxes, employment, infrastructure and communities



Brief History of Titan

WORLD-CLASS GOLD-COPPER PORTFOLIO

- An early mover in the exploration and development of the Cordilleras in the Andean Mountains of Southern Ecuador and Peru. Border disputes locked Southern Ecuador from modern exploration.
- Consolidated the early explorers Dynasty Metals and Core Gold in Southern Ecuador into Titan.
- Divested the challenging production asset that encumbered Core Gold - Zaruma
- Dealt with legacy issues and re-established in-country operating capacity
- Established the technical capability to advance



Fix the Treasury

FIXED THE BALANCE SHEET AND BUILT THE FINANCIAL CAPACITY

- Divested Peru Assets – Vista Plant in 2020 for US\$6.5m plus Non-core exploration assets for ~US\$1.8m
- Equity issue of ~\$US9m in July 2020
- Takeover of Core Gold completed in Feb '21 with ~US\$20m of liabilities
- Divested Zaruma Assets and Portobello Plant for US\$15m (staged payments \$US7m outstanding)
- Equity issue of \$US13.5m in August 2021
- Converted loans to equity of US\$5m in August 2021
- **Today** – Cash and Rec's ~US\$12m, minimal debt



Build the Team

REBUILT TEAM TO SUPPORT A REVISED STRATEGY

- Recruited an experienced, successful exploration and leadership team
- New Hires include:
 - **Peter Cook** – Non-Exec Chair (Aug 2021)
 - **Mike Skead** – COO & Country Manager (Aug 2021)
 - **Barry Bourne** - Non- Exec Director (Sep 2021)
 - **Pablo Morelli** – Exploration Manager (Jan 2022)
 - **Tamara Brown** - Non-Exec Director (Apr 2022)
 - **Melanie Leighton** – Corp. Geologist (May 2022)
- Managing Director replaced in April 2022
- Matthew Carr – Promoted to Executive Director & Acting CEO in April 2022
- New Investor Relations team:
 - Matthew Carr (Australia & Southeast Asia)
 - Tamara Brown (North America's & Europe)



Build the Team

EXPERTISE TO MANAGE ECUADOR AND ON THE GROUND

Refreshed Board of Directors

Strong In-Country Management

Michael Skead

Chief Operating Officer & Country Manager

- Geologist with over 30 years experience in mining exploration and development living at site
- Previously V.P of Project Development - GT Gold, Director of Geoscience (Global Projects Team) - Newmont and Director of Global Exploration - Goldcorp
- Holds BSc. Honours degree in geology from the University of Cape Town, (RSA) and MSc. In Exploration Geology, Rhodes University, Grahamstown, (RSA)

Pablo Morelli

Exploration Manager

- Geologist with over 15 years' experience of working across various epithermal systems as well as copper-molybdenum, copper-gold and gold-rich style porphyry systems
- Recently worked on the Norte Abierto Project, a joint venture between Newmont & Barrick Gold, evaluating the Cerro Casale and Caspiche copper-gold projects
- Previous experience also includes projects at Barrick, Newmont, Kinross and Rio Tinto working in Cretaceous, Palaeocene, Eocene-Oligocene and Miocene Belts of northern and central Chile, and Mexico



“After visiting the assets and assessing the opportunity these people just had to be part of it!”

Strategy First

CONSIDERED, FOCUSED AND EFFECTUAL EXPLORATION

- Rank and prioritise strategic assets
- Define the opportunity
- Set in place a strategic plan for success and to create wealth for our shareholders
- Improve technical standards and create multi-layered digital scientific datasets to better prioritise and define targets
- Commence the farming out/divestment of opportunities to improve value realisation
- Build on ESG outputs and social license to create community engagement and sustainable positive impacts

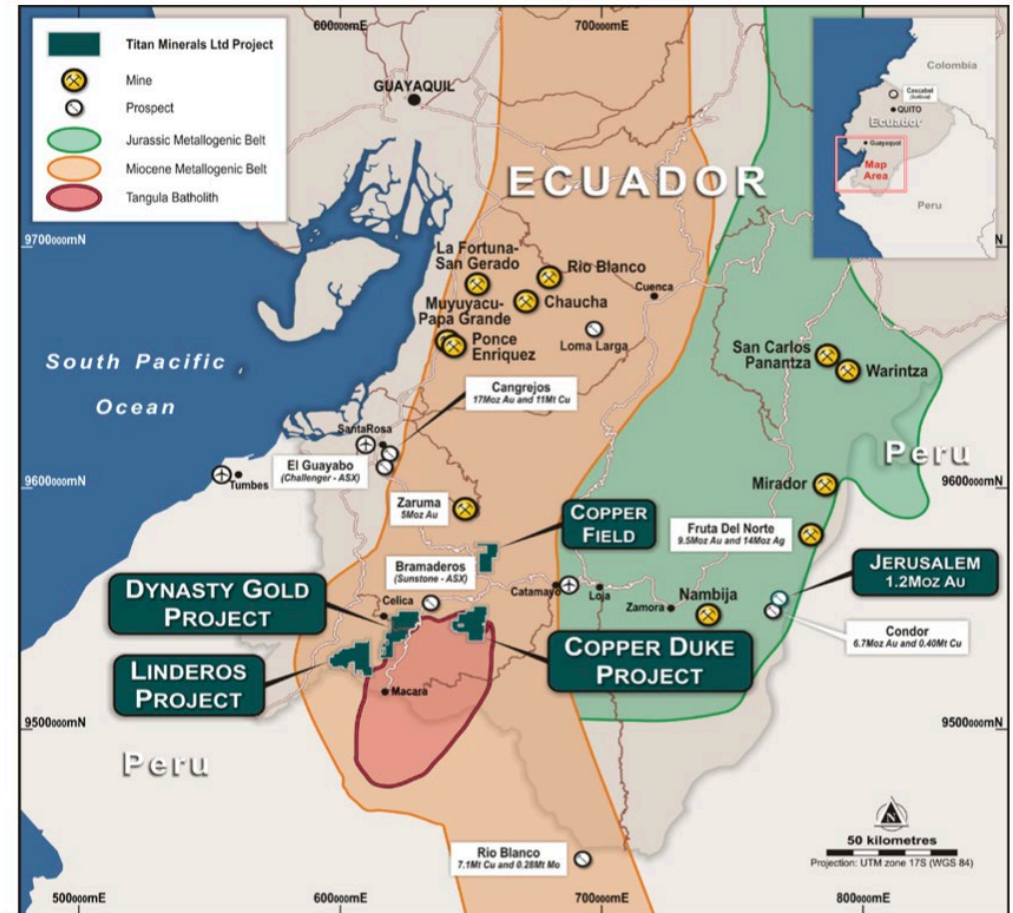


The Assets

EPITHERMAL GOLD-SILVER & PORPHYRY COPPER TARGETS

5 Key Projects... (ordered by advancement)

1. Dynasty Gold Project (100%)
2. Linderos Project (100%)
3. Copper Duke Project (100%)
4. Jerusalem Project (100%)
5. Copper Field Project (100%)

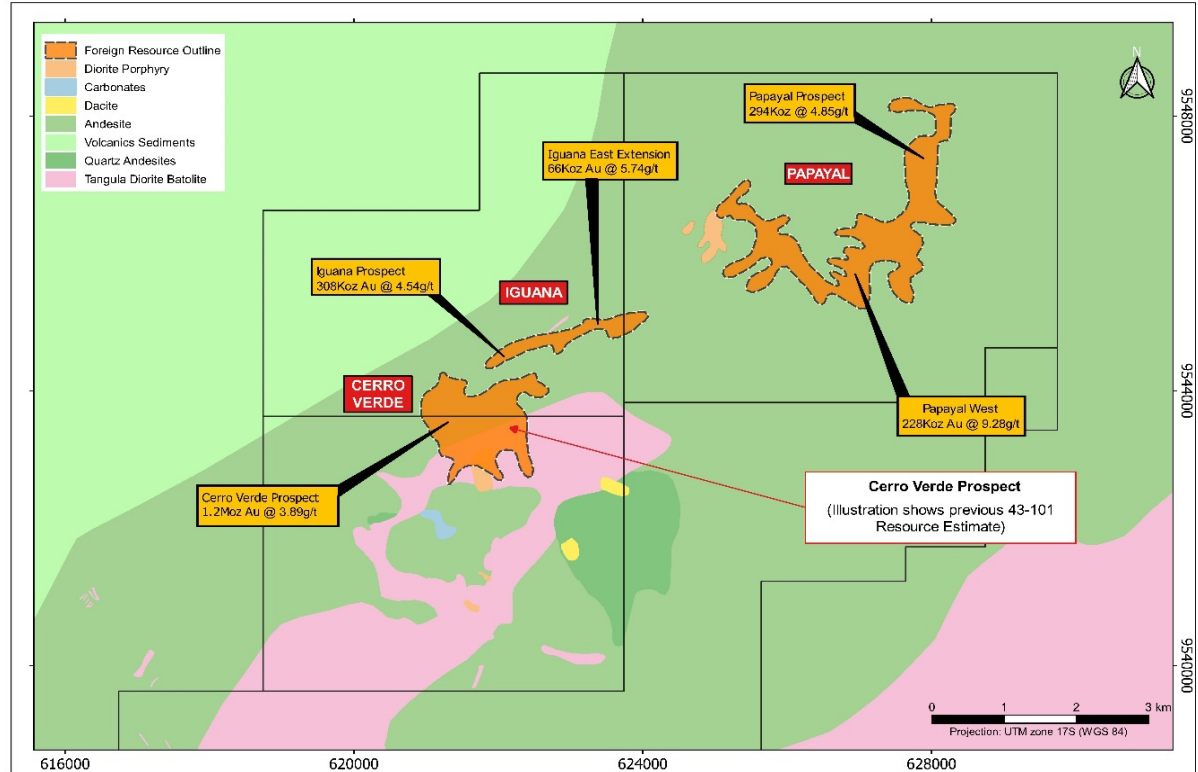


Dynasty Project

LARGE EPITHERMAL GOLD-SILVER VEIN DISTRICT

2.1 million oz Gold
16.8 million oz Silver

- 9km strike and 1km width
- Open in all directions
- Validated by trial mining of ~600,000t @ 3.46g/t Au
- 169% tonnes @ 85% grade = **40% more gold**
- Extent and depth of mineralisation still being defined.
- Only 50% of tenure explored!

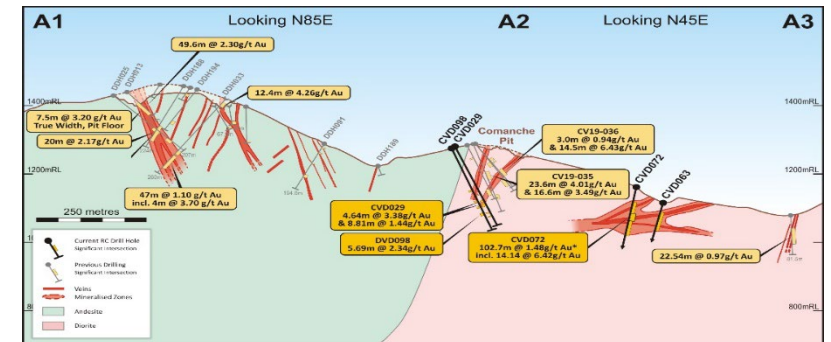
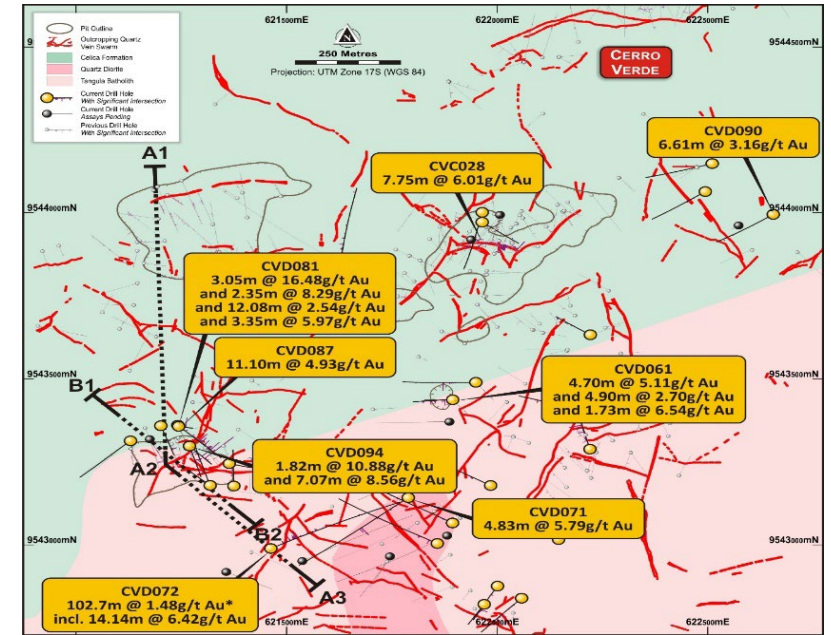
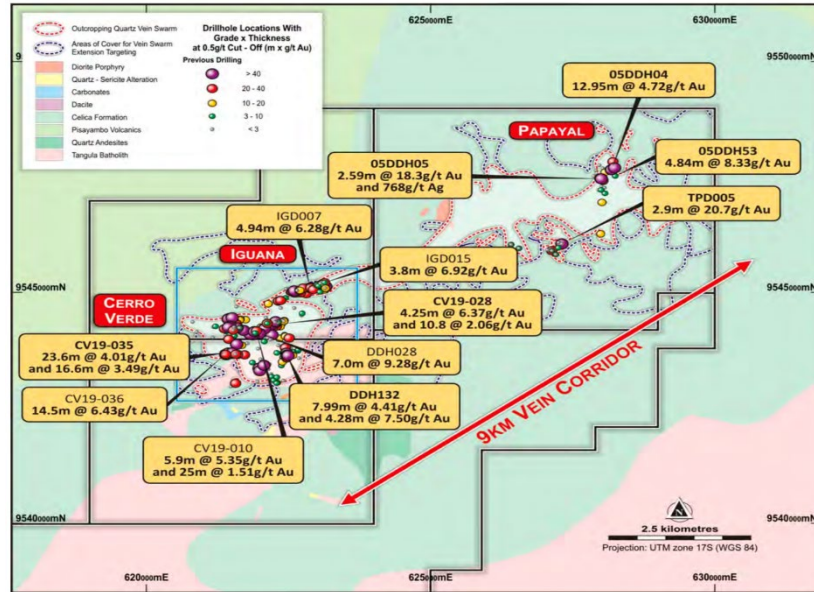


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	Inferred	7,824,000	4.42	36	1,113,000	9,151,000

(1). These are total resource estimates of the zone estimated in the 43-101 filing of Core Gold dated May 6, 2019. They are considered a foreign resource under the ASX listing rules and are not purported to be compliant with JORC 2012.

Dynasty Project

LARGE EPITHERMAL GOLD-SILVER VEIN DISTRICT



PREDICTABLE & TELESCOPED

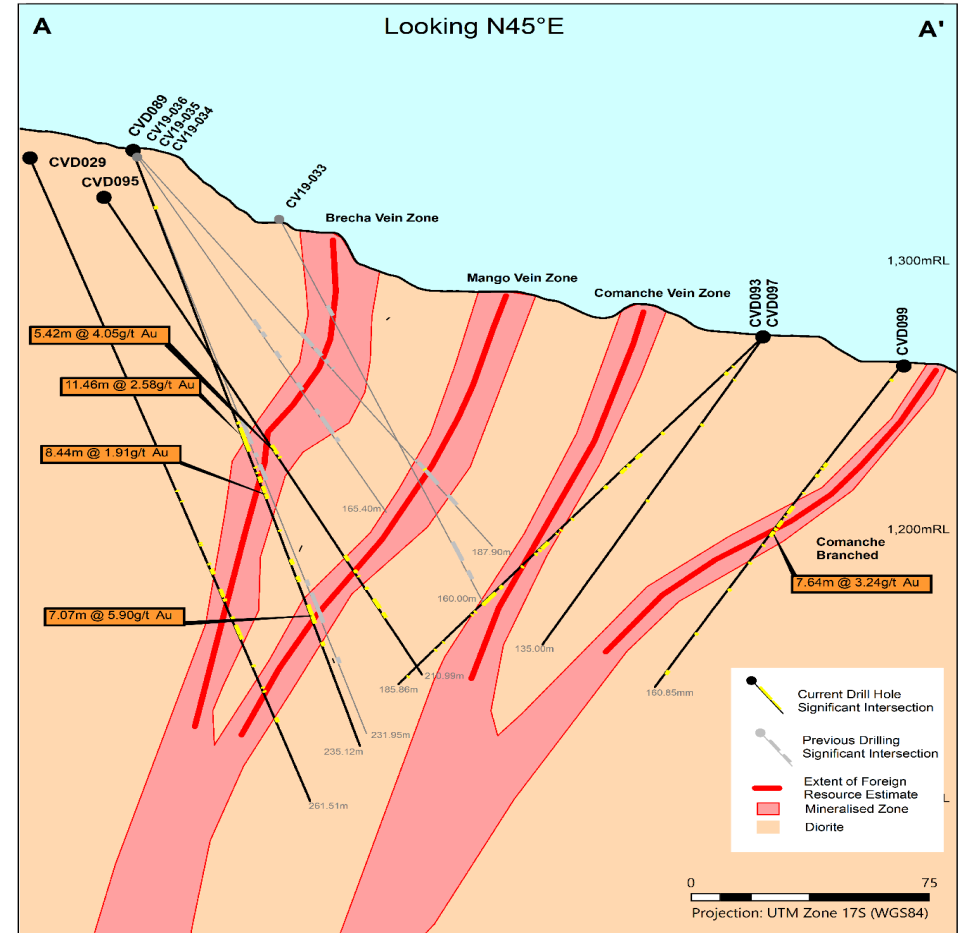
- You can trench it at surface, expose the veins, drill under them and find them where you expect them with grade.
- Multiple phases of fluid injection over 450m vertical height

Dynasty Project

LARGE EPITHERMAL GOLD-SILVER VEIN DISTRICT

What can it be?

- Multi-million ounce low-sulphidation epithermal gold-silver system – as system grows
- Much larger tonnage at a lower grade – as halo's are considered
- A simple open pit or system of open pits over a 10km strike
- A series of underground developments using topography to advantage
- An impending near term development opportunity for a simple long-life production profile to generate wealth for our shareholders and outstanding economic benefit and output for the nearby communities

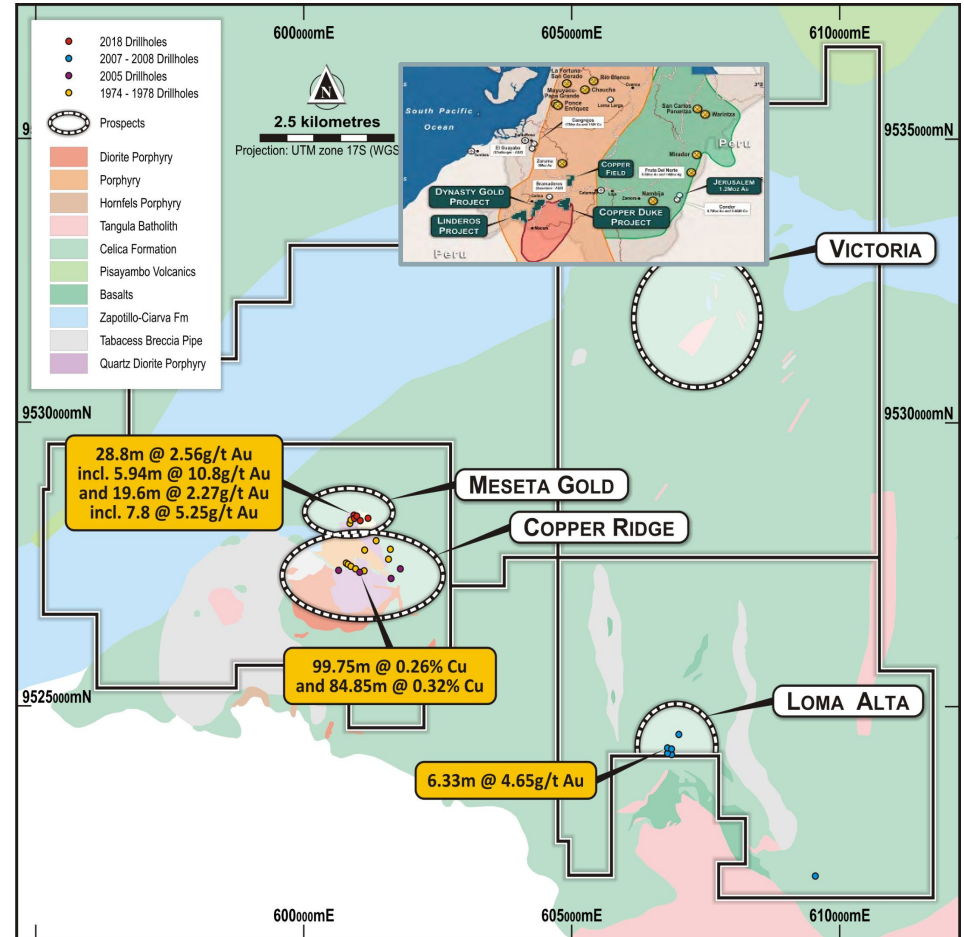


Linderos Project

COPPER PORPHYRY AND EPITHERMAL GOLD STYLE MINERALISATION

Prospects Summary

- Advanced exploration assets:
 - High Sulphidation epithermal Gold- Silver system at **Meseta**
 - Substantial Porphyry Copper System at **Copper Ridge**
 - Low sulphidation epithermal gold-silver systems at **Loma Alta**, **Victoria** and **other** anomalies
- Initial Focus on Meseta and Copper Ridge
- Meseta – outcropping high sulphidation & sub-parallel veins over 1km in strike:
 - Meseta Gold Camp – Historic Drill Results
 - 28.8m @ 2.56 g/t gold; including 5.94m @ 10.8 g/t gold – LDH004
 - 8.88m @ 4.70 g/t gold – LDH004A
 - 14.32m @ 1.43g/t gold – LDH003
 - 2017 trenching campaign
 - 21.0m @18.5g/t Au
 - 20.0m @14.3g/t Au
 - 18.2m @ 14.7g/t Au

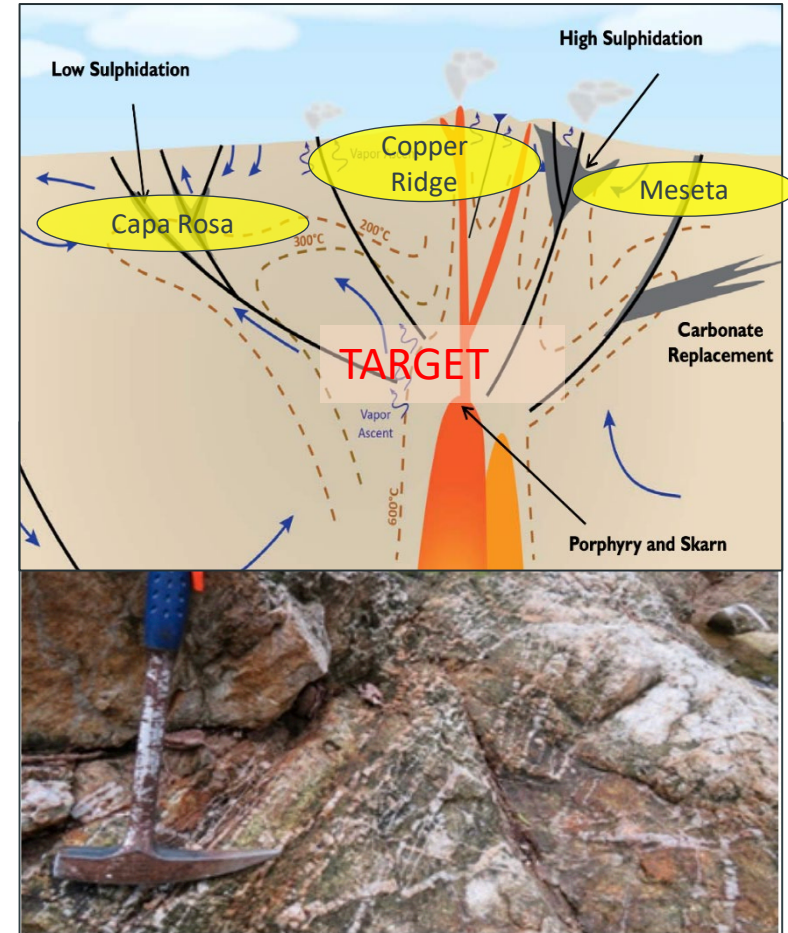


Linderos Project

COPPER PORPHYRY AND EPITHERMAL GOLD STYLE MINERALISATION

Copper Ridge

- A text-book porphyry copper anomaly:
 - Circular coincident Au, Cu Moly Geochem anomaly over ~750m diameter area.
 - Surrounded by zoned base metal anomalism zin & pb.
- Solid geophysical anomaly with an intrusive stock interpreted from magnetics and conductors interpreted from induced polarization.
- Substantial surface trenching with excellent copper and coincident gold grades from phyllic and propylitic alteration:
 - 42m @ 0.31% Cu, .12g/t gold
 - 42m @ 0.29% Cu and 0.08g/t gold
 - 90m @ 0.26% Cu and 0.13g/t gold
- Proximal diamond drilling with results to 0.40% Cu
 - 84.85m @ 0.32% Cu in hole Erica 02
- First holes into defined target in ensuing 3 months.



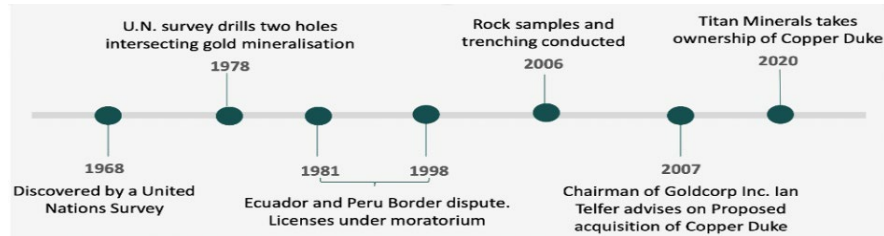
Outcropping Stockwork mineralization at Copper Ridge

Copper Duke Project

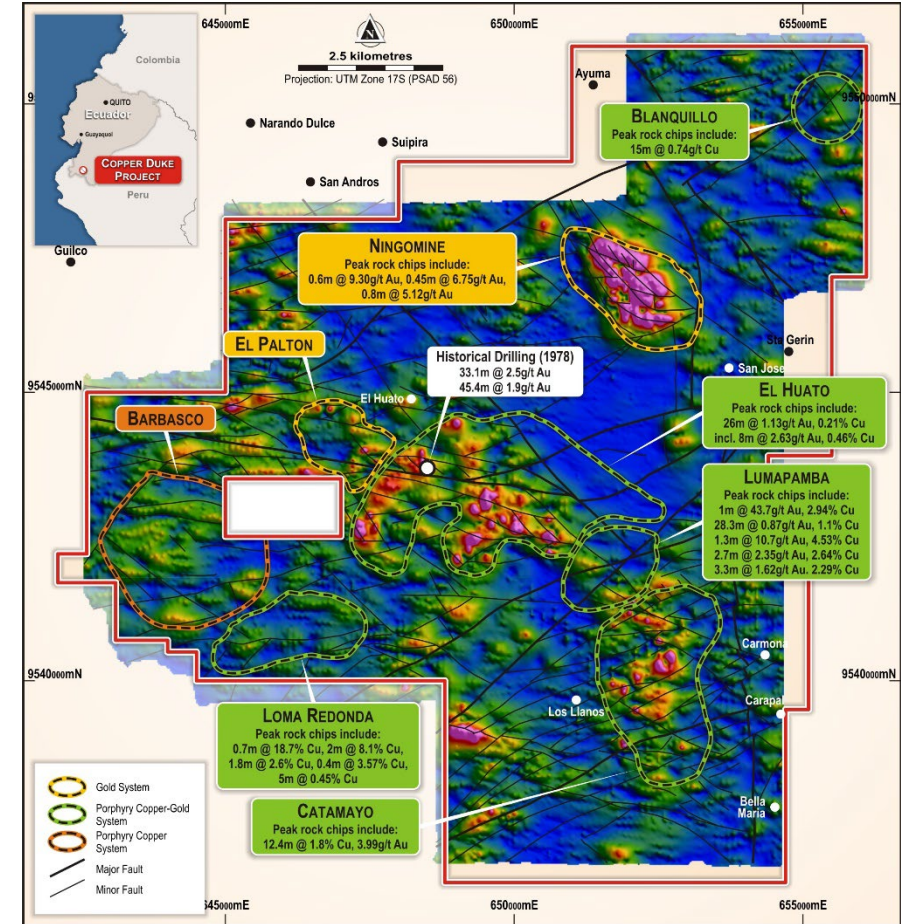
TIER 1 COPPER-GOLD PORPHYRY POTENTIAL

Prospect Summary

- Early exploration assets:
 - Targeting epithermal gold systems and porphyry copper deposits.
 - Much early promise – Titan the first to systematically explore.



- New geophysics, geochemical, mapping and geochem datasets enhance targets.
- 8 key prospect areas defined



Magnetics showing structural interp and defined target areas

Copper Duke Project

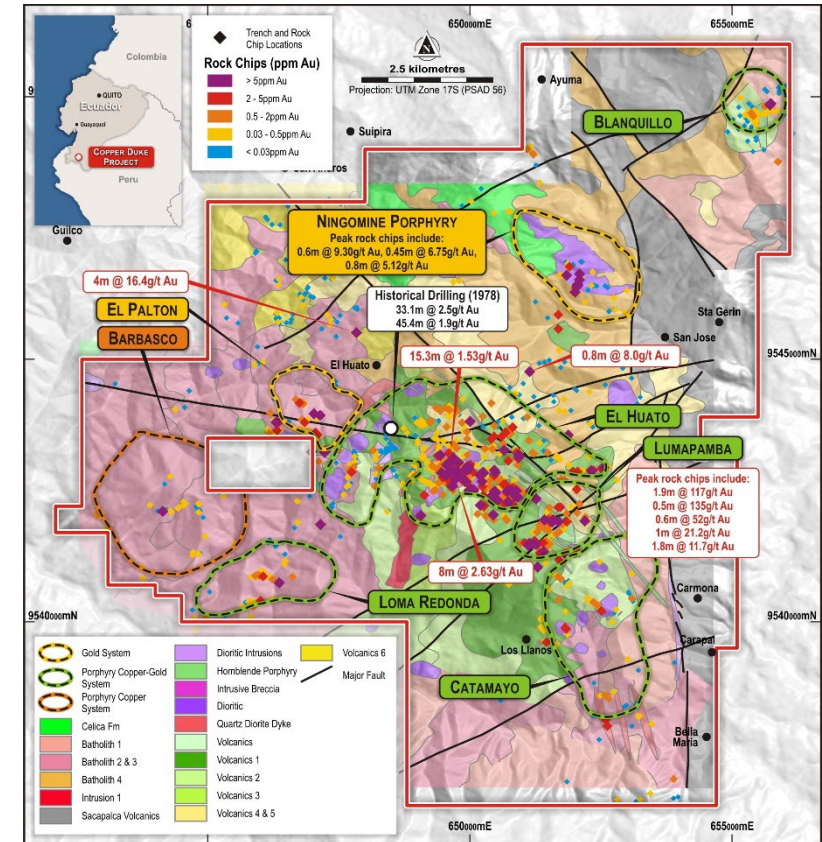
AN UNFOLDING TREASURE MAP

Prospect Summary

- Initial channel sampling results confirm potential for gold copper epithermal and porphyry systems:

Exploration Targets	Previous Results
El Huato Gold Vein	<ul style="list-style-type: none"> 1.90m @ 61.5g/t gold 1.70m @ 12.1g/t gold 3.00m @ 6.50g/t gold
Lumapamba Porphyry	<ul style="list-style-type: none"> 1.00m @ 43.7g/t gold and 2.94% Cu 0.25m @ 174g/t gold, 1.30m @ 10.7g/t gold 12.0m @ 1.10g/t gold and 1.10% Cu 4.40m @ 1.20g/t gold and 1.07% Cu 28.3m @ 0.87g/t gold and 1.10% Cu
Ningomine Porphyry	<ul style="list-style-type: none"> 3.00m @ 3.99g/t gold, 0.80m @ 5.12g/t gold and 0.44% Cu
Blanquillo Porphyry	<ul style="list-style-type: none"> 15.0m @ 0.74% Cu and 0.14g/t gold
Barbasco Porphyry	<ul style="list-style-type: none"> 5.00m @ 0.54% Cu, 5.0m @ 0.57% Cu 9.53% and 2.62% Cu in narrow veinlets

- Early on-ground reconnaissance works have commenced with systematic Geochem, mapping and sampling to consolidate a base geological dataset.



Key Rock chip sample results

Jerusalem Project

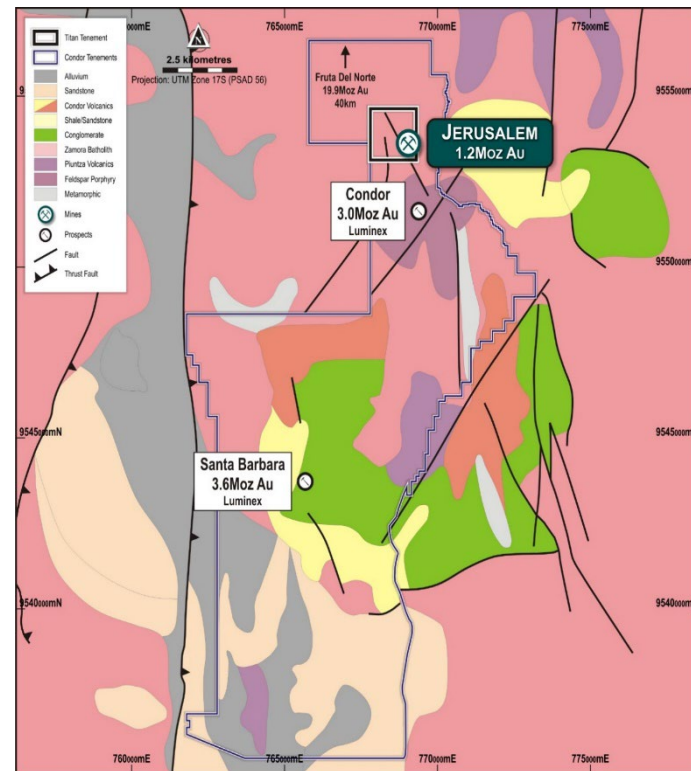
HIGH GRADE GOLD AND SILVER ASSET

Prospect Summary

- Hosted in the older Jurassic Metallogenic belt in back arc structural position.
- Along strike form the prolific Fruta Del Norte (Lundin) and the Condor and Santa Barbara gold prospects of Luminex.
- A single small 2.25sq km tenement with a significant high - grade gold & silver epithermal resource.
- A current 43-101 estimate (May 2019 by Core Gold)

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- Potential for production or divestment – some current minor access issues need to be resolved.



Surrounded by high value gold-silver epithermal discoveries.

Investment Synopsis

WELL POSITIONED TO CREATE VALUE

- Excellent projects in elephant country
- Funded through the next phase
- Already large resources defined and increasing
- EV of A\$140m (US \$105m)
- EV backing at US\$35/oz of gold
 - ... or US\$30/oz (gold & silver)
- Excellent chance for a significant porphyry-copper discovery
- Opportunities to farm-out to expedite progress and create wealth under consideration



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