

# Developing the Dynasty Gold Project in Ecuador's southern Andean copper-gold belt

Investor Presentation Precious Metals Summit Conference November 2021



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#### 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	Ag	Contained Au (oz)	Contained Ag (oz)
			(g/t)	(g/t)	(000's)	(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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Released with the authority of the board of Titan Minerals Ltd 1 November 2021

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# **Potential World Class Assets**

## **Dynasty – Flagship Asset**

- Foreign Current Resource: 2.1Moz (14.4Mt @ 4.5 g/t Au)<sup>(1)</sup>
- Previous small-scale mining operation
- High-grade mineralisation from surface

## Linderos

- Part of the prolific Miocene metallogenic belt
- High-grade epithermal gold discovery with copper porphyry mineralisation – intersected from surface and open at depth

## **Copper Duke**

- Multi-phase, outcropping, gold rich porphyry copper system
- Has potential to be a Tier 1 Asset

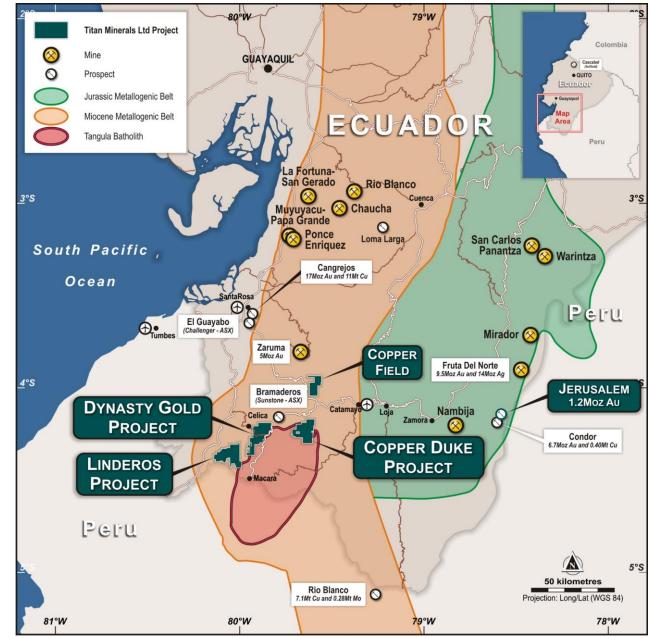
## Jerusalem

- Located 40km south on-trend from Fruta del Norte
- Foreign (NI-43-101) Resource Estimate: 1.2Moz gold @ 14.5g/t, and 8.6Moz silver @ 98g/t<sup>(1)</sup>

## **Copper Field**

Greenfield exploration





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## **Corporate Overview**



## **Technical Team**

Peter Cook	Non-Executive Chairman			
Laurence Marsland	Managing Director			
Michael Skead	Executive V.P. Exploration			
Barry Bourne	Non-Executive Director			
Nick Rowley	Non-Executive Director			
Matthew Carr	Executive Director			
Freddy Villao	V.P. Government Affairs – Ecuador			

## Laurence Marsland – Managing Director

- Mechanical engineer with 30 years experience in mining project evaluation and development
- Holds a MSc in Management from Stanford University Graduate School of Business
- Previous positions include: COO of Dundee Precious Metals, board representative for Resource Capital Funds including as Director of Toro Gold
- At Dundee, responsible for the operation, upgrading and redevelopment of Chelopech Mine Bulgaria

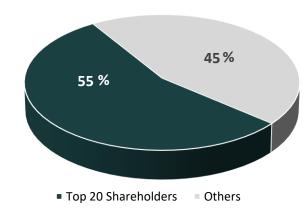
### Michael Skead – Executive V.P. Exploration

- Geologist with over 30 years of experience in mining exploration and development
- Holds a BSc. Honours degree in geology from the University of Cape Town, (RSA) and MSc. in Exploration Geology, Rhodes University, Grahamstown, (RSA)
- Recently worked as the V.P. of Project Development at GT Gold, was former Director of Geoscience in the Global Projects Team for Newmont and Former Director of Global Exploration for Goldcorp

**Shareholders** 

Share Price		Co	
	\$0.20	Share Price	
		Shares Issued	
moment when and the man		Options & Perf. Rights	
reduced All the land and a have	\$0.10	Market Cap. (undiluted	
		Cash	
	\$0.00	Zaruma Sale (Due by 3	
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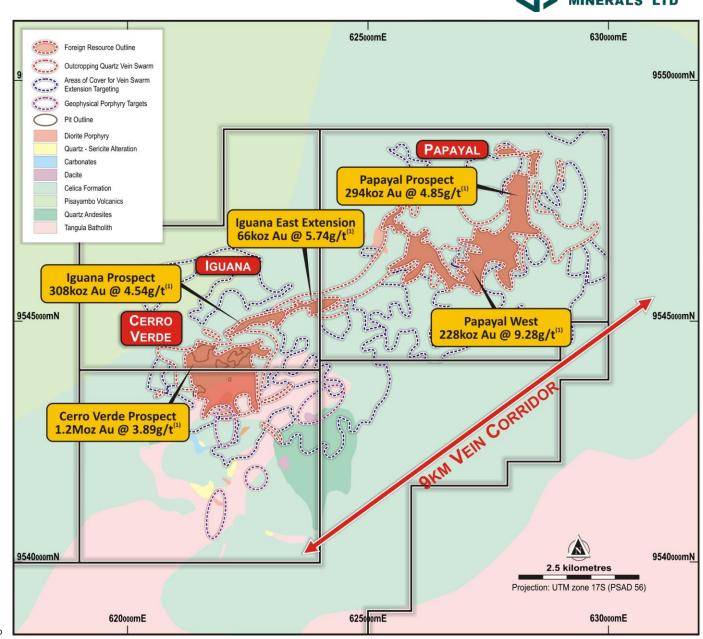
# CorporatePriceA\$0.11<sup>(1)</sup>Issued1,391MIssued1,391MIss & Perf. Rights87.6MIt Cap. (undiluted)A\$153MUS\$13.5MUS\$13.5MIt Sale (Due by 30 June 2022)US\$7.5MIt rading Range\$0.10 - \$0.17



Source: (1) Cap IQ\_1.11.2021

# **Dynasty Gold Project – "A New Dawn"**

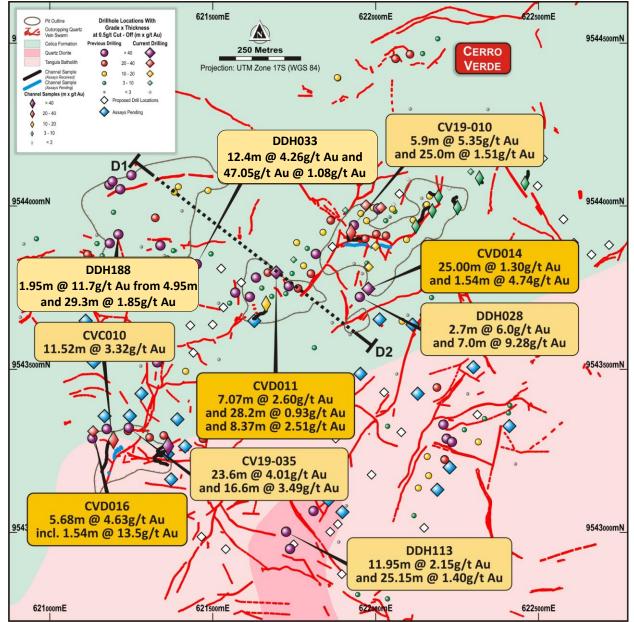
- 139km<sup>2</sup>, 100% holding (5 concessions)
- Foreign Resource: 2.1Moz (14.4Mt @ 4.5 g/t Au)<sup>(1)</sup>
- Mineralisation open along strike and at depth
- Close to Infrastructure
- Permitted for drilling, with substantial growth potential
- Channel sampling and field mapping activities are ongoing across the Papayal and Cerro Verde Prospects
- Increased diamond drilling programme finishing in Q3 2021
- New drill results will be used to underpin a Q4 resource estimate update
- Drilling at Dynasty to continue in areas where land access has been granted
- Current Drill Programme is Confirming:
  - 2Moz previously modelled resource
  - System is open in all directions and along strike where no drilling has been completed
  - Veining and mineralisation identifiable along whole 9km strike
  - Mineralisation now identified over 450m of vertical depth



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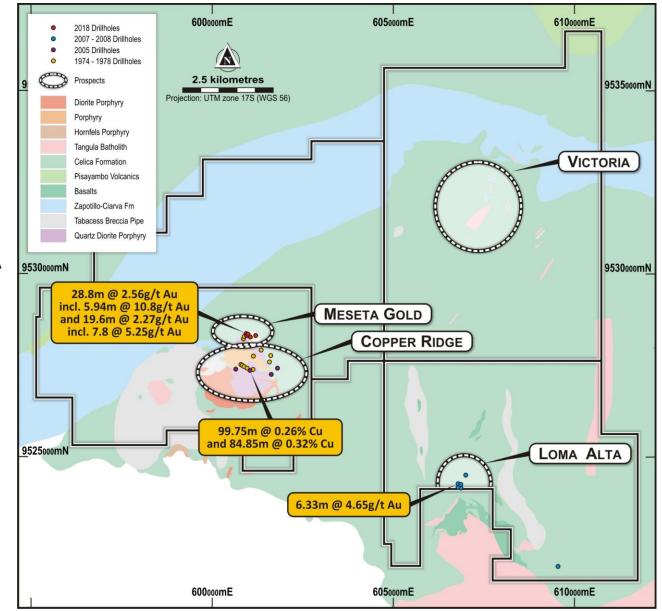
# **Recent Results are Confirming Previous Resource**

- Over 140 veins have now been delineated 30% increase
- Increased vein density supports open pit mining
- Lateral extensions of up to 160m for some mineralised zones
- Confirmation of gold mineralisation over a vertical depth of 450m, a further 150m than previously demonstrated
- Cerro Verde Mineralised halos up to 5 times wider around some previously modelled veins
- Better intercepts include:
- 6.65m @ 12.5g/t gold vein zone, within 14.5m @ 6.43g/t gold from 119.0m
  (following multiple intercepts 78.5 to 110.0m) CV19-036
- 6.0m @ 11.0g/t Au within 23.6m @ 4.01g/t Au from 107.9m and 5.05m @
  9.10g/t Au within 16.6m @ 3.49g/t Au from 171.4m CV19-035
- 7.0m @ 9.28g/t Au from 64m & 2.7m @ 6.0g/t Au from 46m DDH028
- 5.9m @ 5.35g/t Au from 37m & 25m @ 1.51g/t Au from 66m CV19-010
- 11.27m @ 2.76g/t Au within 29.3m @ 1.85g/t Au from 185.45m and
  1.95m @ 11.7g/t Au from 4.95m DDH188
- 12.4m @ 4.26g/t Au from 4.6m & 1.6m @ 6.08g/t Au within 47.05m @ 1.08g/t Au from 183.9m DDH033
- 1.54m @ 13.5g/t gold from 131.15m; within 5.68m @ 4.63 g/t gold CVD016
- 25m @ 1.30 g/t gold from 19.44m and 1.54m @ 4.72 g/t gold from 53.16m CVD014
- 11.95m @ 2.15g/t Au from 57.8m and 25.15m @ 1.40g/t Au from 145.55m –
  DDH113



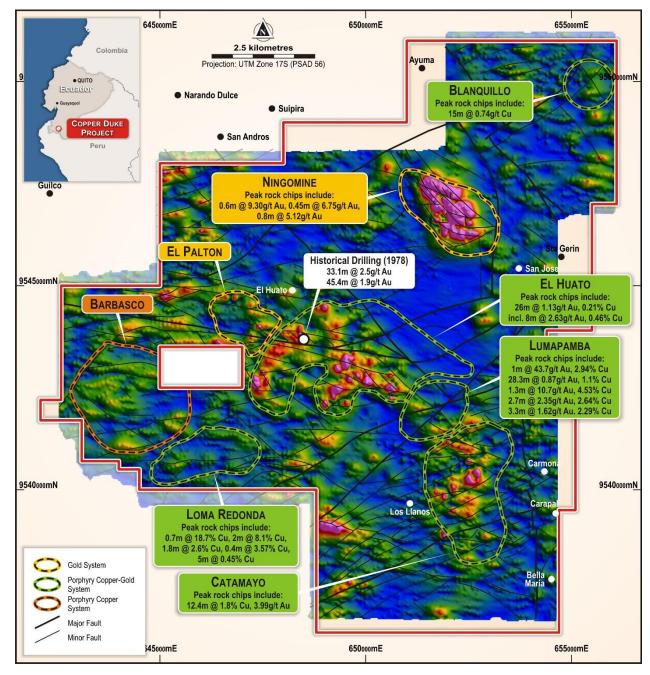
# Linderos Project – Copper porphyry and epithermal gold style mineralisation

- Meseta Gold Camp Historical 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
- Copper Ridge Historical drill results:
  - 99.75m @ 0.26% copper from 255m drilled depth ERIKA01
  - 84.85m @ 0.32% copper (from surface to end of hole) ERIKA02
  - 20m @ 0.21% copper from 181m to EOH (open at depth) ERIKA02A
  - 77.05m @ 0.19% copper (from surface to end of hole) DHW05
  - 50.25m @ 0.33% copper (from surface to end of hole) DHW06
- 2017 trenching campaign Historical trench results:
  - 21.0m @ 18.5g/t Au
  - 20.0m @ 14.3g/t Au
  - 18.2m @ 14.7g/t Au



# **Copper Duke Project – Tier 1 Potential**

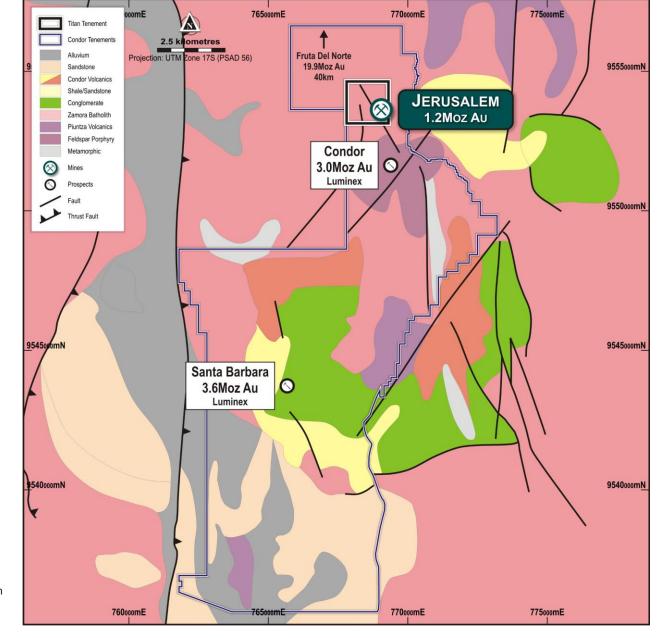
- 130km2, 100% holding (13 concessions)
- 18km east of Dynasty
  - Multi-phase outcropping porphyry targets, including:
  - Porphyry copper-gold mineralisation
- Epithermal gold bearing quartz-magnetite vein systems
- Open-ended surface geochem anomalism in soil and rock sampling with drill ready targets
- 1978 UN drill programme 440m in two diamond drill holes from a single platform were partially assayed and returned:
  - 33.1m @ 2.5g/t Au from 9m drill depth
  - 45.4m @ 1.9g/t Au from surface
- 5km south of the Pan American Highway
- Geophysical signature analogous to projects such as Cerro Casale and Reko Diq



# Jerusalem Gold Project

## High-grade gold and silver asset

- 100% owned 2.25km<sup>2</sup> (1 concession)
- High-grade vein mineralisation from surface
- Historical diamond drillhole dataset of 47 diamond holes totalling 13,383m
- Total Foreign Resource: 1.2 Moz gold @ 14.5g/t and 8.6Moz silver at 98g/t<sup>(1)</sup>
  - Measured & Indicated 955,000 tonnes @ 13.8g/t gold and 93g/t silver for 423,000oz contained gold and 2.86Moz contained silver<sup>(1)</sup>
  - Inferred 1,775,000 tonnes at 15g/t gold and 101g/t silver for 856,000 oz contained gold and 5.76Moz contained silver<sup>(1)</sup>
- Located on-trend between Lundin Gold's Fruta del Norte deposit (13.9Moz gold) 40km to the north
- Contiguous landholding with Luminex Resources Condor Project
  6.6Moz gold to the south
- Numerous high-grade targets identified but not explored and the system remains open to the north and at depth





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